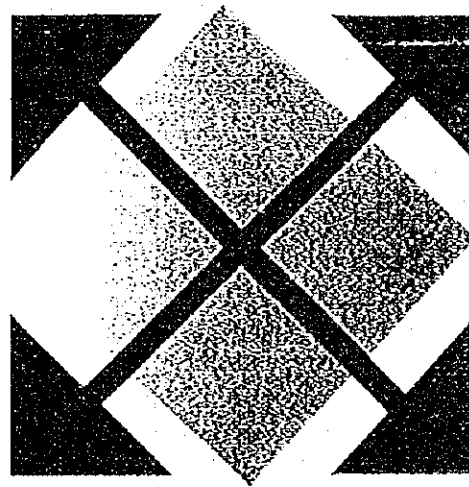


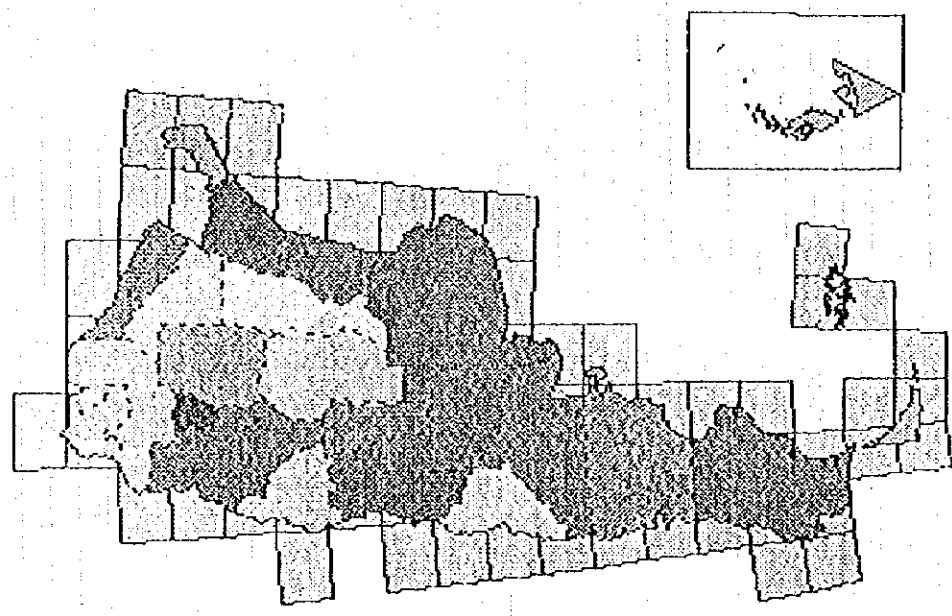
資料 2. 鉱業関係資料

SECRETARIAT OF INDUSTRY, COMMERCE AND MINING

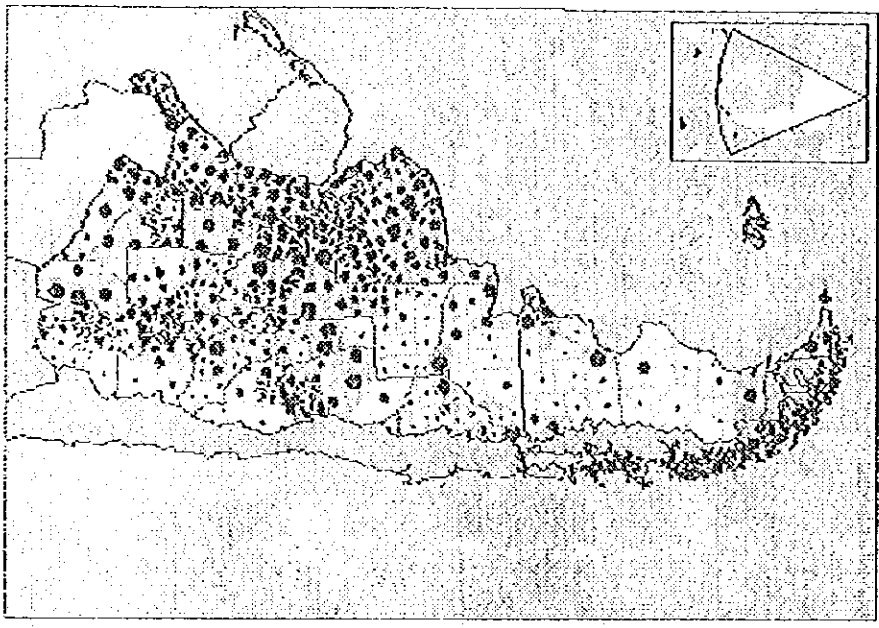


UNDERSECRETARIAT OF MINING

ARGENTINE
POLITICAL DIVISION



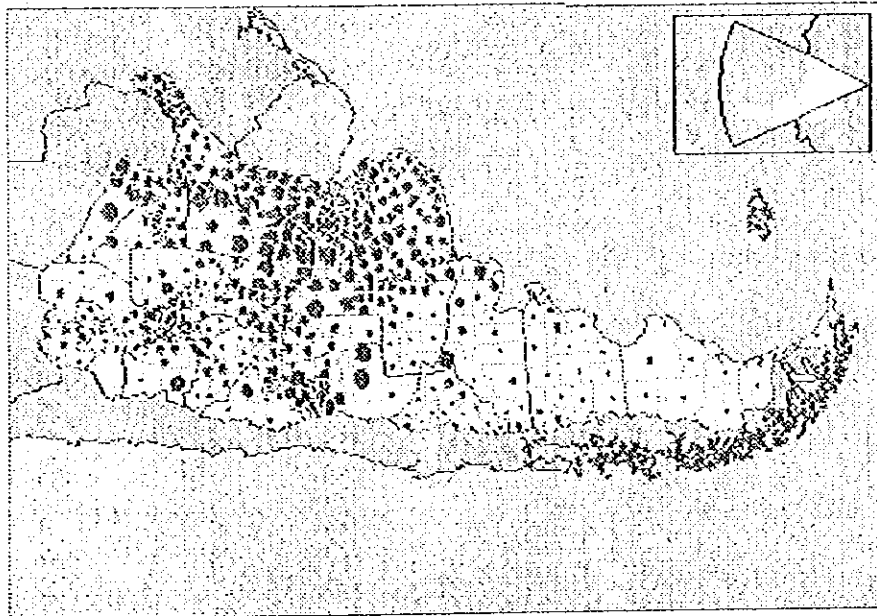
POPULATION DENSITY AND
DISTRIBUTION



Map No. 6

Population Density	Population per Km ²
(No Dots)	0 - 10
(1 Dot)	10 - 20
(2 Dots)	20 - 30
(3 Dots)	30 - 40
(4 Dots)	40 - 50
(5 Dots)	50 - 60
(6 Dots)	60 - 70
(7 Dots)	70 - 80
(8 Dots)	80 - 90
(9 Dots)	90 - 100
(10 Dots)	100 - 110
(11 Dots)	110 - 120
(12 Dots)	120 - 130
(13 Dots)	130 - 140
(14 Dots)	140 - 150
(15 Dots)	150 - 160
(16 Dots)	160 - 170
(17 Dots)	170 - 180
(18 Dots)	180 - 190
(19 Dots)	190 - 200
(20 Dots)	200 - 210
(21 Dots)	210 - 220
(22 Dots)	220 - 230
(23 Dots)	230 - 240
(24 Dots)	240 - 250
(25 Dots)	250 - 260
(26 Dots)	260 - 270
(27 Dots)	270 - 280
(28 Dots)	280 - 290
(29 Dots)	290 - 300
(30 Dots)	300 - 310
(31 Dots)	310 - 320
(32 Dots)	320 - 330
(33 Dots)	330 - 340
(34 Dots)	340 - 350
(35 Dots)	350 - 360
(36 Dots)	360 - 370
(37 Dots)	370 - 380
(38 Dots)	380 - 390
(39 Dots)	390 - 400
(40 Dots)	400 - 410
(41 Dots)	410 - 420
(42 Dots)	420 - 430
(43 Dots)	430 - 440
(44 Dots)	440 - 450
(45 Dots)	450 - 460
(46 Dots)	460 - 470
(47 Dots)	470 - 480
(48 Dots)	480 - 490
(49 Dots)	490 - 500
(50 Dots)	500 - 510
(51 Dots)	510 - 520
(52 Dots)	520 - 530
(53 Dots)	530 - 540
(54 Dots)	540 - 550
(55 Dots)	550 - 560
(56 Dots)	560 - 570
(57 Dots)	570 - 580
(58 Dots)	580 - 590
(59 Dots)	590 - 600
(60 Dots)	600 - 610
(61 Dots)	610 - 620
(62 Dots)	620 - 630
(63 Dots)	630 - 640
(64 Dots)	640 - 650
(65 Dots)	650 - 660
(66 Dots)	660 - 670
(67 Dots)	670 - 680
(68 Dots)	680 - 690
(69 Dots)	690 - 700
(70 Dots)	700 - 710
(71 Dots)	710 - 720
(72 Dots)	720 - 730
(73 Dots)	730 - 740
(74 Dots)	740 - 750
(75 Dots)	750 - 760
(76 Dots)	760 - 770
(77 Dots)	770 - 780
(78 Dots)	780 - 790
(79 Dots)	790 - 800
(80 Dots)	800 - 810
(81 Dots)	810 - 820
(82 Dots)	820 - 830
(83 Dots)	830 - 840
(84 Dots)	840 - 850
(85 Dots)	850 - 860
(86 Dots)	860 - 870
(87 Dots)	870 - 880
(88 Dots)	880 - 890
(89 Dots)	890 - 900
(90 Dots)	900 - 910
(91 Dots)	910 - 920
(92 Dots)	920 - 930
(93 Dots)	930 - 940
(94 Dots)	940 - 950
(95 Dots)	950 - 960
(96 Dots)	960 - 970
(97 Dots)	970 - 980
(98 Dots)	980 - 990
(99 Dots)	990 - 1000
(100 Dots)	1000 - 1010
(101 Dots)	1010 - 1020
(102 Dots)	1020 - 1030
(103 Dots)	1030 - 1040
(104 Dots)	1040 - 1050
(105 Dots)	1050 - 1060
(106 Dots)	1060 - 1070
(107 Dots)	1070 - 1080
(108 Dots)	1080 - 1090
(109 Dots)	1090 - 1100
(110 Dots)	1100 - 1110
(111 Dots)	1110 - 1120
(112 Dots)	1120 - 1130
(113 Dots)	1130 - 1140
(114 Dots)	1140 - 1150
(115 Dots)	1150 - 1160
(116 Dots)	1160 - 1170
(117 Dots)	1170 - 1180
(118 Dots)	1180 - 1190
(119 Dots)	1190 - 1200
(120 Dots)	1200 - 1210
(121 Dots)	1210 - 1220
(122 Dots)	1220 - 1230
(123 Dots)	1230 - 1240
(124 Dots)	1240 - 1250
(125 Dots)	1250 - 1260
(126 Dots)	1260 - 1270
(127 Dots)	1270 - 1280
(128 Dots)	1280 - 1290
(129 Dots)	1290 - 1300
(130 Dots)	1300 - 1310
(131 Dots)	1310 - 1320
(132 Dots)	1320 - 1330
(133 Dots)	1330 - 1340
(134 Dots)	1340 - 1350
(135 Dots)	1350 - 1360
(136 Dots)	1360 - 1370
(137 Dots)	1370 - 1380
(138 Dots)	1380 - 1390
(139 Dots)	1390 - 1400
(140 Dots)	1400 - 1410
(141 Dots)	1410 - 1420
(142 Dots)	1420 - 1430
(143 Dots)	1430 - 1440
(144 Dots)	1440 - 1450
(145 Dots)	1450 - 1460
(146 Dots)	1460 - 1470
(147 Dots)	1470 - 1480
(148 Dots)	1480 - 1490
(149 Dots)	1490 - 1500
(150 Dots)	1500 - 1510
(151 Dots)	1510 - 1520
(152 Dots)	1520 - 1530
(153 Dots)	1530 - 1540
(154 Dots)	1540 - 1550
(155 Dots)	1550 - 1560
(156 Dots)	1560 - 1570
(157 Dots)	1570 - 1580
(158 Dots)	1580 - 1590
(159 Dots)	1590 - 1600
(160 Dots)	1600 - 1610
(161 Dots)	1610 - 1620
(162 Dots)	1620 - 1630
(163 Dots)	1630 - 1640
(164 Dots)	1640 - 1650
(165 Dots)	1650 - 1660
(166 Dots)	1660 - 1670
(167 Dots)	1670 - 1680
(168 Dots)	1680 - 1690
(169 Dots)	1690 - 1700
(170 Dots)	1700 - 1710
(171 Dots)	1710 - 1720
(172 Dots)	1720 - 1730
(173 Dots)	1730 - 1740
(174 Dots)	1740 - 1750
(175 Dots)	1750 - 1760
(176 Dots)	1760 - 1770
(177 Dots)	1770 - 1780
(178 Dots)	1780 - 1790
(179 Dots)	1790 - 1800
(180 Dots)	1800 - 1810
(181 Dots)	1810 - 1820
(182 Dots)	1820 - 1830
(183 Dots)	1830 - 1840
(184 Dots)	1840 - 1850
(185 Dots)	1850 - 1860
(186 Dots)	1860 - 1870
(187 Dots)	1870 - 1880
(188 Dots)	1880 - 1890
(189 Dots)	1890 - 1900
(190 Dots)	1900 - 1910
(191 Dots)	1910 - 1920
(192 Dots)	1920 - 1930
(193 Dots)	1930 - 1940
(194 Dots)	1940 - 1950
(195 Dots)	1950 - 1960
(196 Dots)	1960 - 1970
(197 Dots)	1970 - 1980
(198 Dots)	1980 - 1990
(199 Dots)	1990 - 2000
(200 Dots)	2000 - 2010
(201 Dots)	2010 - 2020
(202 Dots)	2020 - 2030
(203 Dots)	2030 - 2040
(204 Dots)	2040 - 2050
(205 Dots)	2050 - 2060
(206 Dots)	2060 - 2070
(207 Dots)	2070 - 2080
(208 Dots)	2080 - 2090
(209 Dots)	2090 - 2100
(210 Dots)	2100 - 2110
(211 Dots)	2110 - 2120
(212 Dots)	2120 - 2130
(213 Dots)	2130 - 2140
(214 Dots)	2140 - 2150
(215 Dots)	2150 - 2160
(216 Dots)	2160 - 2170
(217 Dots)	2170 - 2180
(218 Dots)	2180 - 2190
(219 Dots)	2190 - 2200
(220 Dots)	2200 - 2210
(221 Dots)	2210 - 2220
(222 Dots)	2220 - 2230
(223 Dots)	2230 - 2240
(224 Dots)	2240 - 2250
(225 Dots)	2250 - 2260
(226 Dots)	2260 - 2270
(227 Dots)	2270 - 2280
(228 Dots)	2280 - 2290
(229 Dots)	2290 - 2300
(230 Dots)	2300 - 2310
(231 Dots)	2310 - 2320
(232 Dots)	2320 - 2330
(233 Dots)	2330 - 2340
(234 Dots)	2340 - 2350
(235 Dots)	2350 - 2360
(236 Dots)	2360 - 2370
(237 Dots)	2370 - 2380
(238 Dots)	2380 - 2390
(239 Dots)	2390 - 2400
(240 Dots)	2400 - 2410
(241 Dots)	2410 - 2420
(242 Dots)	2420 - 2430
(243 Dots)	2430 - 2440
(244 Dots)	2440 - 2450
(245 Dots)	2450 - 2460
(246 Dots)	2460 - 2470
(247 Dots)	2470 - 2480
(248 Dots)	2480 - 2490
(249 Dots)	2490 - 2500
(250 Dots)	2500 - 2510
(251 Dots)	2510 - 2520
(252 Dots)	2520 - 2530
(253 Dots)	2530 - 2540
(254 Dots)	2540 - 2550
(255 Dots)	2550 - 2560
(256 Dots)	2560 - 2570
(257 Dots)	2570 - 2580
(258 Dots)	2580 - 2590
(259 Dots)	2590 - 2600
(260 Dots)	2600 - 2610
(261 Dots)	2610 - 2620
(262 Dots)	2620 - 2630
(263 Dots)	2630 - 2640
(264 Dots)	2640 - 2650
(265 Dots)	2650 - 2660
(266 Dots)	2660 - 2670
(267 Dots)	2670 - 2680
(268 Dots)	2680 - 2690
(269 Dots)	2690 - 2700
(270 Dots)	2700 - 2710
(271 Dots)	2710 - 2720
(272 Dots)	2720 - 2730
(273 Dots)	2730 - 2740
(274 Dots)	2740 - 2750
(275 Dots)	2750 - 2760
(276 Dots)	2760 - 2770
(277 Dots)	2770 - 2780
(278 Dots)	2780 - 2790
(279 Dots)	2790 - 2800
(280 Dots)	2800 - 2810
(281 Dots)	2810 - 2820
(282 Dots)	2820 - 2830
(283 Dots)	2830 - 2840
(284 Dots)	2840 - 2850
(285 Dots)	2850 - 2860
(286 Dots)	2860 - 2870
(287 Dots)	2870 - 2880
(288 Dots)	2880 - 2890
(289 Dots)	2890 - 2900
(290 Dots)	2900 - 2910
(291 Dots)	2910 - 2920
(292 Dots)	2920 - 2930
(293 Dots)	2930 - 2940
(294 Dots)	2940 - 2950
(295 Dots)	2950 - 2960
(296 Dots)	2960 - 2970
(297 Dots)	2970 - 2980
(298 Dots)	2980 - 2990
(299 Dots)	2990 - 3000
(300 Dots)	3000 - 3010
(301 Dots)	3010 - 3020
(302 Dots)	3020 - 3030
(303 Dots)	3030 - 3040
(304 Dots)	3040 - 3050
(305 Dots)	3050 - 3060
(306 Dots)	3060 - 3070
(307 Dots)	3070 - 3080
(308 Dots)	3080 - 3090
(309 Dots)	3090 - 3100
(310 Dots)	3100 - 3110
(311 Dots)	3110 - 3120
(312 Dots)	3120 - 3130
(313 Dots)	3130 - 3140
(314 Dots)	3140 - 3150
(315 Dots)	3150 - 3160
(316 Dots)	3160 - 3170
(317 Dots)	3170 - 3180
(318 Dots)	3180 - 3190
(319 Dots)	3190 - 3200
(320 Dots)	3200 - 3210
(321 Dots)	3210 - 3220
(322 Dots)	3220 - 3230
(323 Dots)	3230 - 3240
(324 Dots)	3240 - 3250
(325 Dots)	3250 - 3260
(326 Dots)	3260 - 3270
(327 Dots)	3270 - 3280
(328 Dots)	3280 - 3290
(329 Dots)	3290 - 3300
(330 Dots)	3300 - 3310
(331 Dots)	3310 - 3320
(332 Dots)	3320 - 3330
(333 Dots)	3330 - 3340
(334 Dots)	3340 - 3350
(335 Dots)	3350 - 3360
(336 Dots)	3360 - 3370
(337 Dots)	3370 - 3380
(338 Dots)	3380 - 3390
(339 Dots)	3390 - 3400
(340 Dots)	3400 - 3410
(341 Dots)	3410 - 3420
(342 Dots)	3420 - 3430
(343 Dots)	3430 - 3440
(344 Dots)	3440 - 3450
(345 Dots)	3450 - 3460
(346 Dots)	3460 - 3470
(347 Dots)	3470 - 3480
(348 Dots)	3480 - 3490
(349 Dots)	3490 - 3500
(350 Dots)	3500 - 3510
(351 Dots)	3510 - 3520
(352 Dots)	3520 - 3530
(353 Dots)	3530 - 3540
(354 Dots)	3540 - 3550
(355 Dots)	3550 - 3560
(356 Dots)	3560 - 3570
(357 Dots)	3570 - 3580
(358 Dots)	3580 - 3590
(359 Dots)	3590 - 3600
(360 Dots)	3600 - 3610
(361 Dots)	3610 - 3620
(362 Dots)</	

DISTRIBUTION OF THE AGRICULTURE EXPLOITATIONS



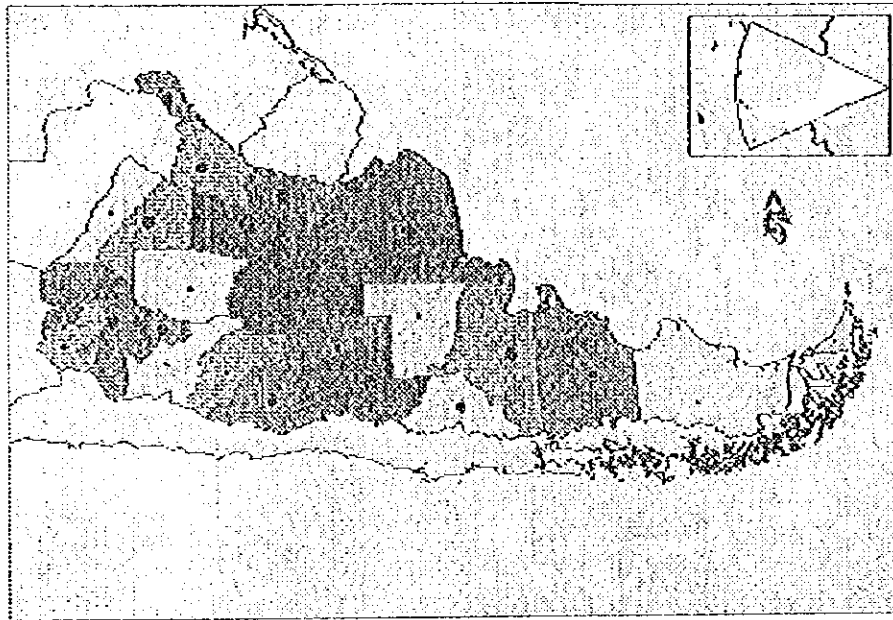
Mapa N° 11

Centros de Población (agrupados por jerarquía)

- Menos de 500
- 500 - 1.000
- 1.000 - 10.000
- 10.000 - 100.000
- 100.000 - 1.000.000
- Más de 1.000.000

Provincia Buenos Aires, Capital Federal, Santa Fe

MANUFACTURING INDUSTRY



Mapa N° 12

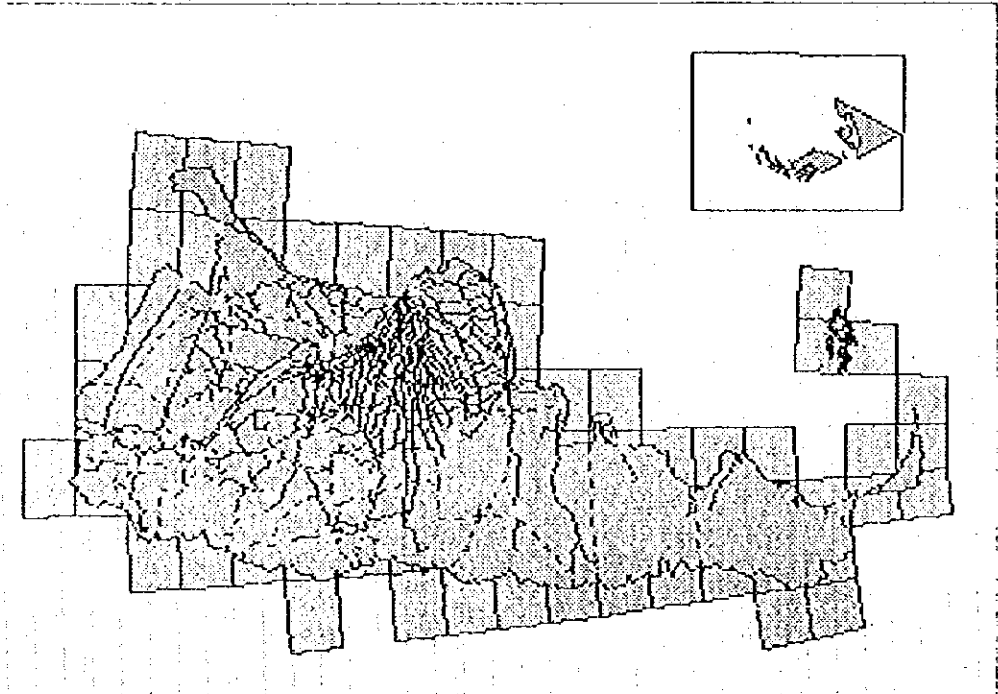
Puntos de Trabajo

- 0 - 1.000
- 1.000 - 10.000
- 10.000 - 100.000
- 100.000 - 200.000
- 200.000 - 500.000
- Más de 500.000

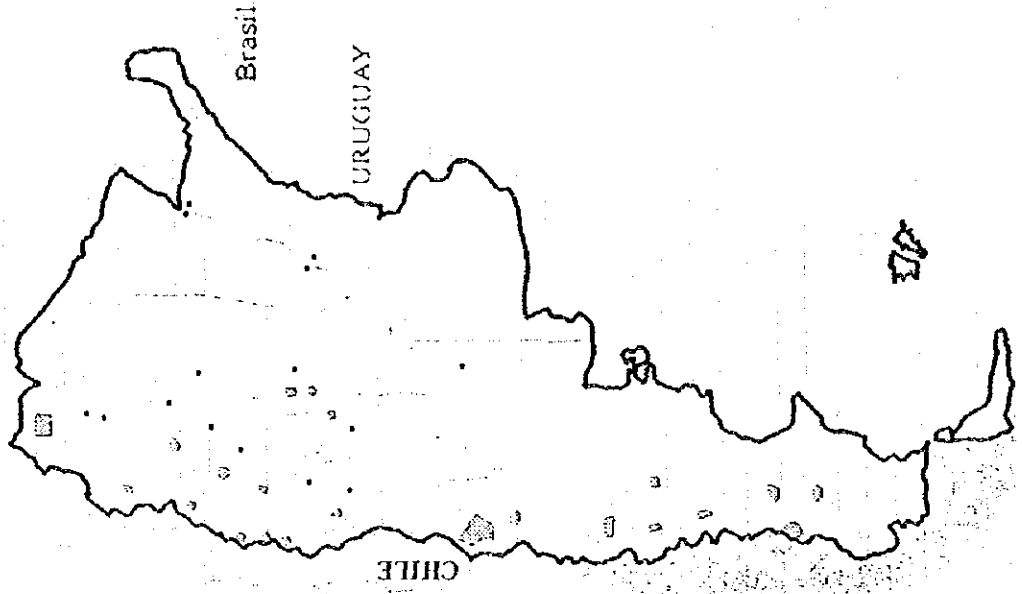
Localidad

- Menos de 500
- 500 - 1.000
- 1.000 - 10.000
- 10.000 - 100.000
- 100.000 - 500.000
- Más de 500.000

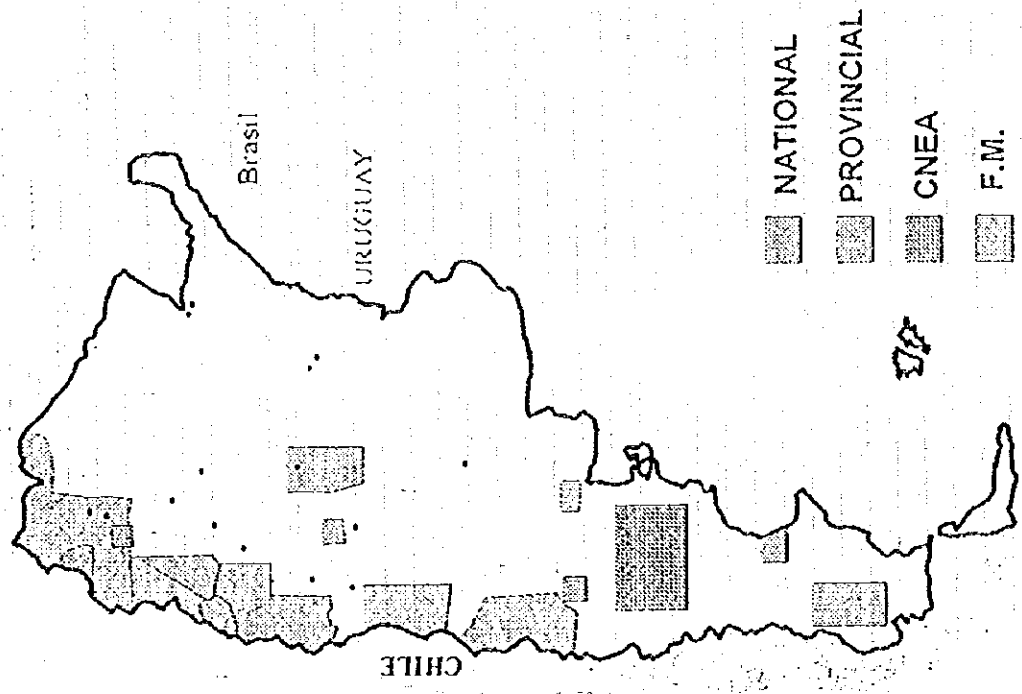
ARGENTINA HIGHWAY AND RAILWAY INFRASTRUCTURE



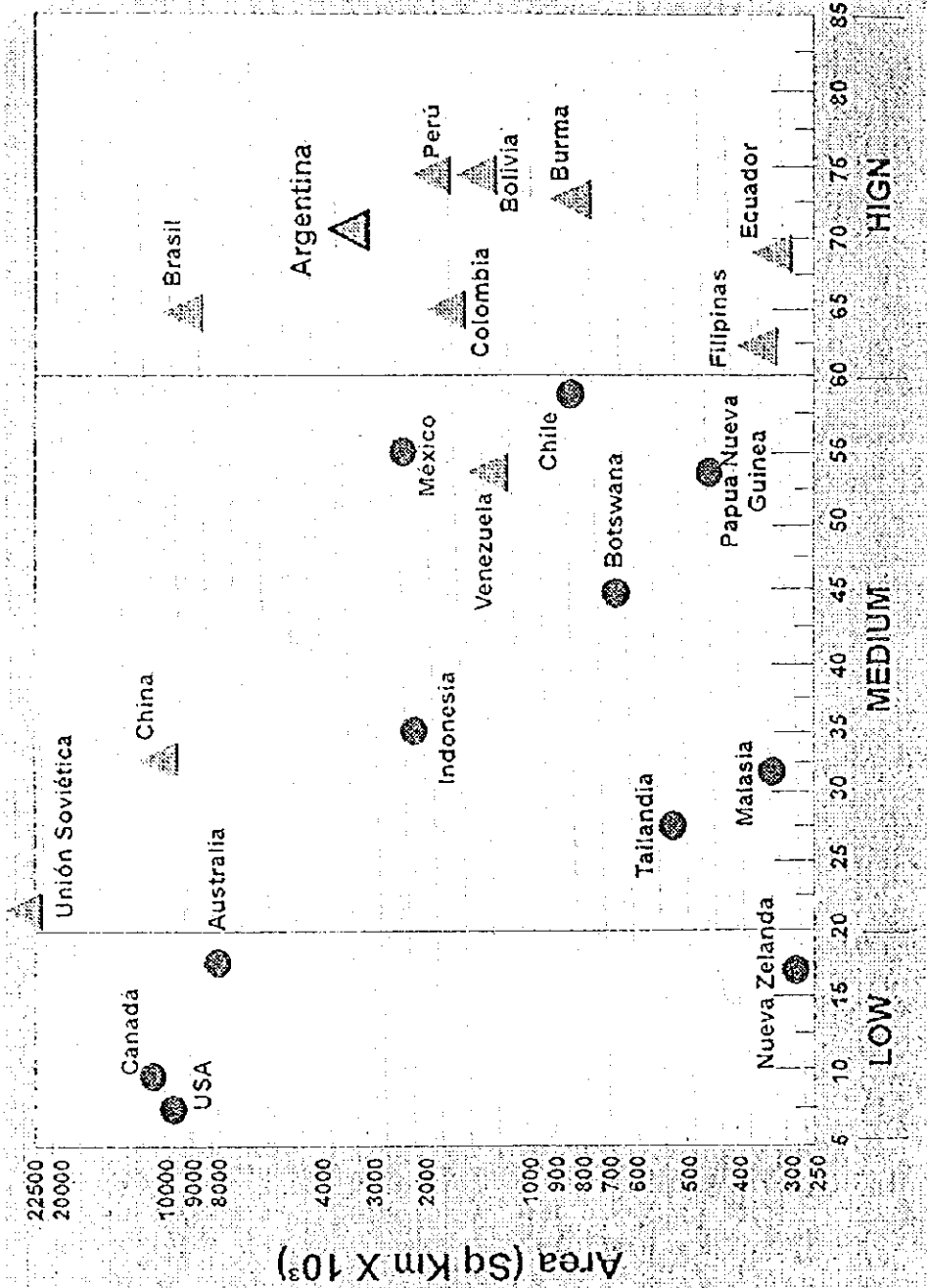
PROVINCIAL RESERVE AREAS
YEAR 1996



NATIONAL, PROVINCIAL, CNEA AND
F.M. RESERVE AREAS. YEAR 1992



REALATIONSHIP AMONG EXPLORATION, RISK AND SIZE OF THE COUNTRY ARGENTINE SITUATION IN 1992



**COUNTRIES WITH FAVOURABLE GEOLOGICAL POTENTIAL BUT THAT
NEED TO IMPROVE INVESTMENT CONDITIONS 1990**

POSITION	COUNTRIES
1	China
1	Peru
1	Filipinas
4	Brasil
5	Argentina
5	Mexico
7	Bolivia
7	Venezuela
9	Birmania
9	Indonesia
9	USSR
9	Zaire
13	Chile
13	Colombia
13	Tailandia
16	Ecuador

THE MINING POLICY IMPLEMENTS MODERN FRAMEWORKS TO SUPPORT PRIVATE INVESTMENT EFFICIENTLY

GEOLOGICAL RESOURCES

POLITICAL AND MACROECONOMIC FRAMEWORK

LEGAL FRAMEWORK

INSTITUTIONAL FRAMEWORK

ENVIRONMENTAL FRAMEWORK

TECHNOLOGICAL FRAMEWORK

DEVELOPMENT
OF PRIVATE
MINING
ACTIVITIES

NEW LEGAL FRAMEWORK FOR THE MINING ACTIVITY

<p>LAW #24,196</p>	<p>MINING INVESTMENTS</p> <ul style="list-style-type: none"> ● ESTABLISHES TAX STABILITY ● EQUIPMENT AT INTERNATIONAL PRICES ● ENCOURAGES RISK INVESTMENTS
<p>LAW #24,224</p>	<p>MINING REORGANIZATION</p> <ul style="list-style-type: none"> ● CARRIES OUT GEOLOGICAL CHARTS ● INSTITUTIONALIZES THE COFEMIN ● ADAPTS THE MINING LICENCE FEE
<p>LAW #24,228</p>	<p>FEDERAL MINING AGREEMENT</p> <ul style="list-style-type: none"> ● UNIFIES ADMINISTRATIVE PROCEDURES ● ALLOWS EXPLORATION AT GREAT SCALE ● ELIMINATES DISTORTING TAXES
<p>LAW #24,402</p>	<p>VAT FUNDING</p> <ul style="list-style-type: none"> ● CAPITAL ASSETS PURCHASE ● INFRASTRUCTURE WORKS ● REFUND IN ADVANCE
<p>LAW #24,498</p>	<p>MINING UPDATING</p> <ul style="list-style-type: none"> ● ELIMINATES ARCHAIC FIGURES FROM THE MINING CODE ● ENCOURAGES TECHNOLOGY INNOVATION ● DEREGULATES NUCLEAR MINING
<p>LAW #24,585</p>	<p>ENVIROMENTAL PROTECTION</p> <ul style="list-style-type: none"> ● NATIONAL LEGISLATION WITH PROVINCIAL ENFORCEMENT AUTHORITIES ● PROMOTES THE BALANCE BETWEEN THE MINING PRODUCTION AND THEECOSTEM ● FACILITATES THE PyMES, RESTRUCTURING
<p>COMPLEMENTARY LAWS</p> <ul style="list-style-type: none"> ● National Bank Of Geological Information Law # 24,466: Focuses the country's Geological Public information in the Mining Secretariat. ● National System of Mining Trade Law # 24,523: Includes a user Suplier System for minerals trade, Which shall operate in the Mining Secretariat. ● National Bank of Mining information. Bill approved by the Senate: Data base of human resources and equipment in the Mining Secretariat. 	

MINING JOURNAL

Emerging Markets and Ranking Countries

Political Risk Ranking for Latin America

<p>1</p> <p>Chile Colombia</p>	<p>2</p> <p>Brazil Argentina Ecuador Uruguay Costa Rica Panama</p>	<p>3</p> <p>Bolivia Peru Venezuela Guyana El Salvador Guatemala Honduras Jamaica</p>
<p>4</p> <p>Surinam Nicaragua Cuba</p>		

Note 1 - Very acceptable risk; 2 - Good risk; 3 - Fair risk; 4 - Unacceptable risk.

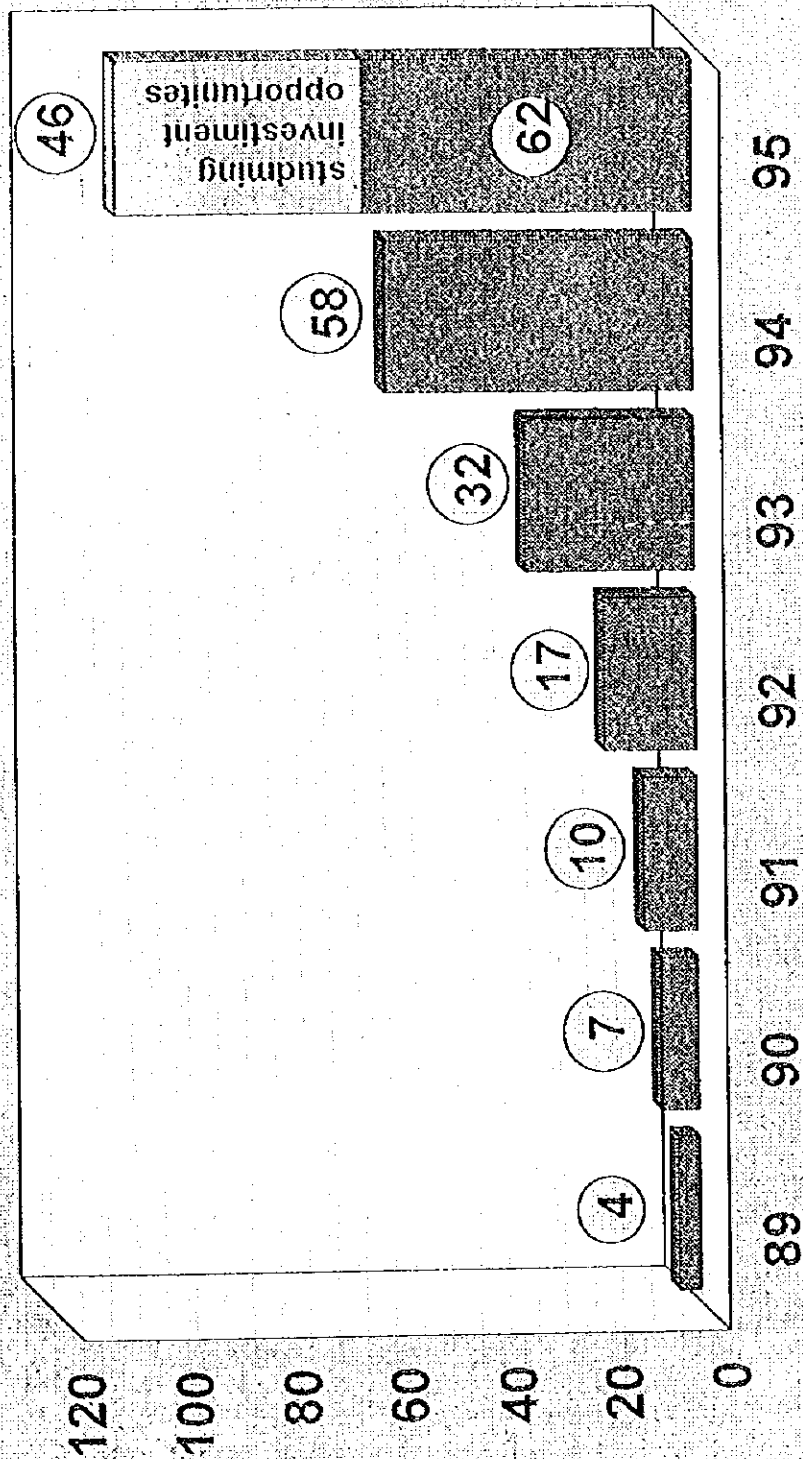
Source: CRM International. For details contact Mark Alcock Tel: (+44171) 9622475

Emerging Market Ranking


Country	Rank	1994	Article (page)
Argentina	1	(9)	67
Brazil	2	(13)	69
Kazakhstan	3	(15)	73
Peru	4	(1)	75
Chile	5	(2)	77
Ghana	6	(7)	79
South Africa	7	(25)	85
Indonesia	8	(10)	87
Uzbekistan	9	(na)	88
Russia	10	(24)	90

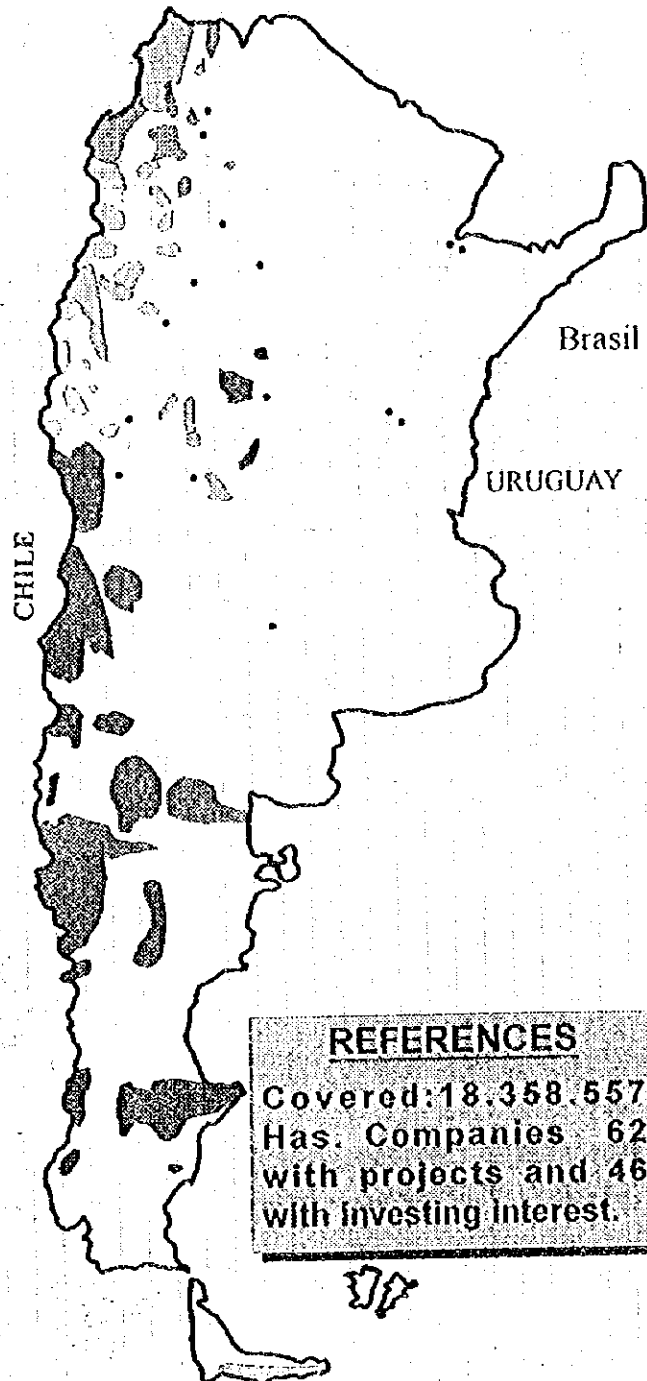
September 1995

INTERNATIONAL COMPANIES ESTABLISHED AND WITH PROJECTS IN PROCESS

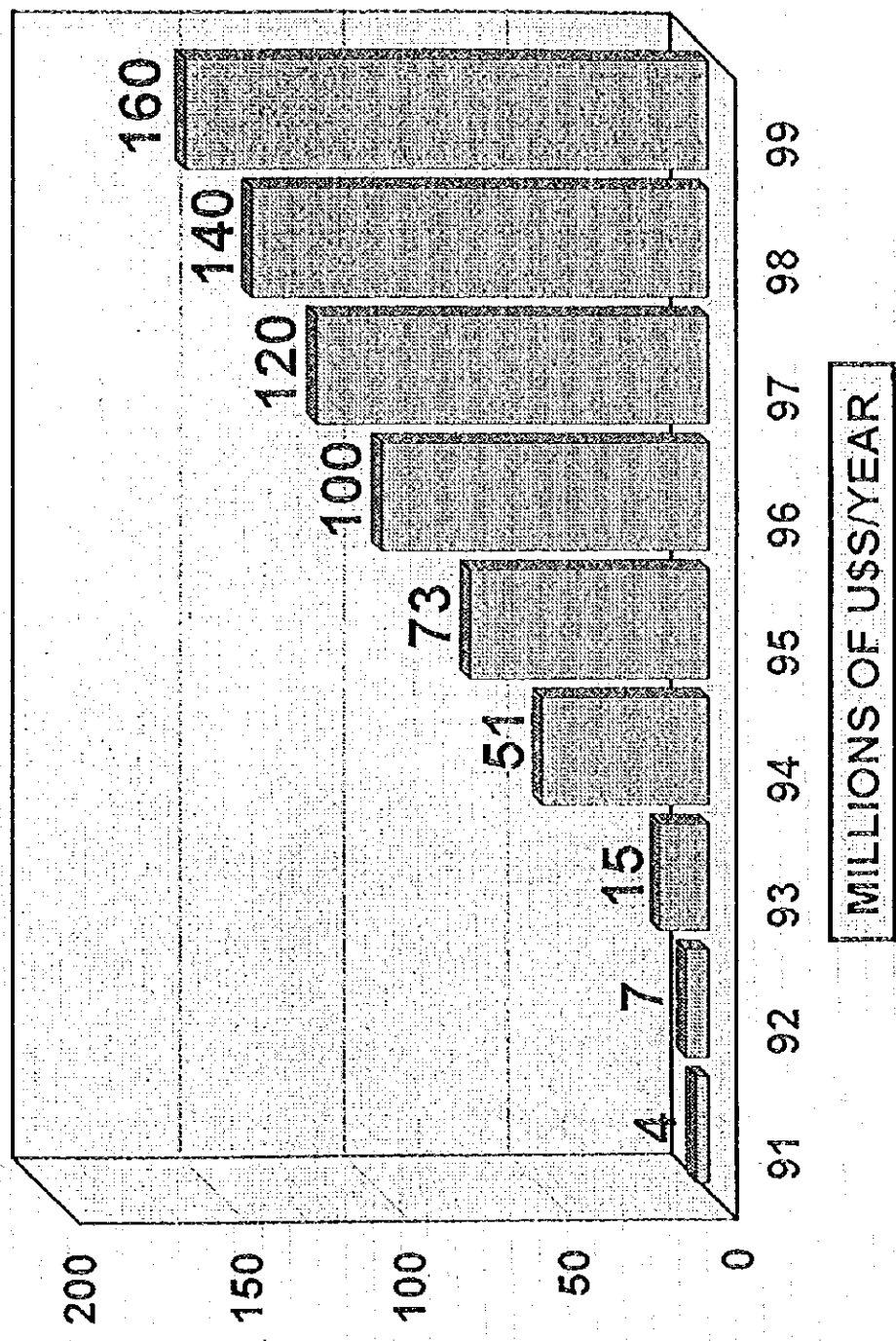


MINING PROSPECTING AREAS

	Jujuy Province 962.226 Has. 12 Cnies.
	Salta Province 500.634 Has. 17 Cnies.
	Catamarca Province 1.200.000 Has. 18 Cnies.
	La Rioja Province 1.345.200 Has. 7 Cnies.
	San Juan Province 3.2600.000 Has. 21 Cnies.
	Córdoba Province 334.548 Has. 2 Cnies.
	San Luis Province 221.000 Has. 5 Cnies.
	Mendoza Province 5.625.000 Has. 15 Cnies.
	Neuquen Province 1.732.149 Has. 11 Cnies.
	Rio Negro Province 715.800 Has. 9 Cnies.
	Chubut Province 800.000 Has. 14 Cnies.
	Sta. Cruz Province 1.500.000 Has. 13 Cnies.
	T. del Fuego Province 162.000 Has. 3 Cnies.



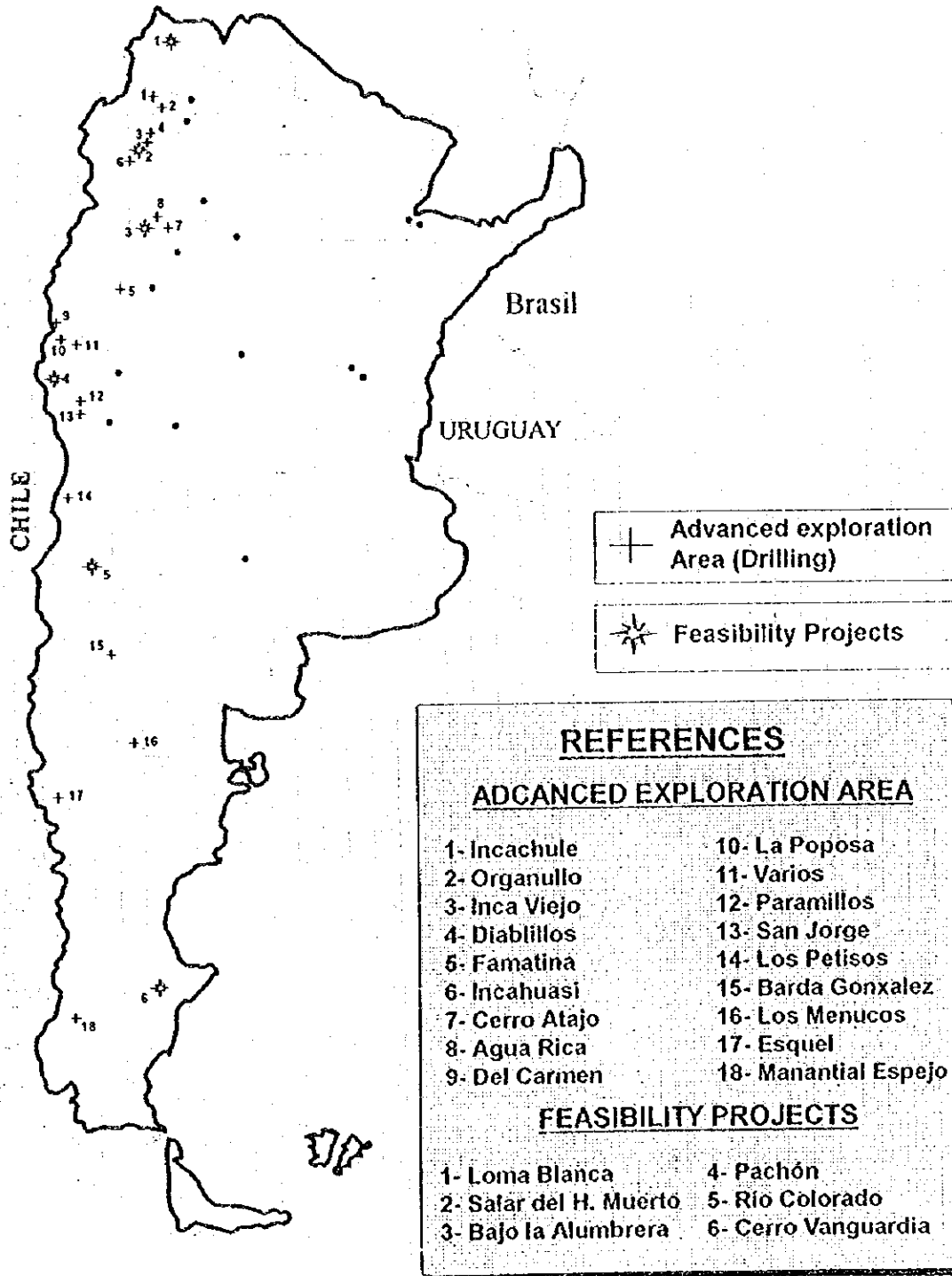
INVESTMENTS IN MINING EXPLORATION



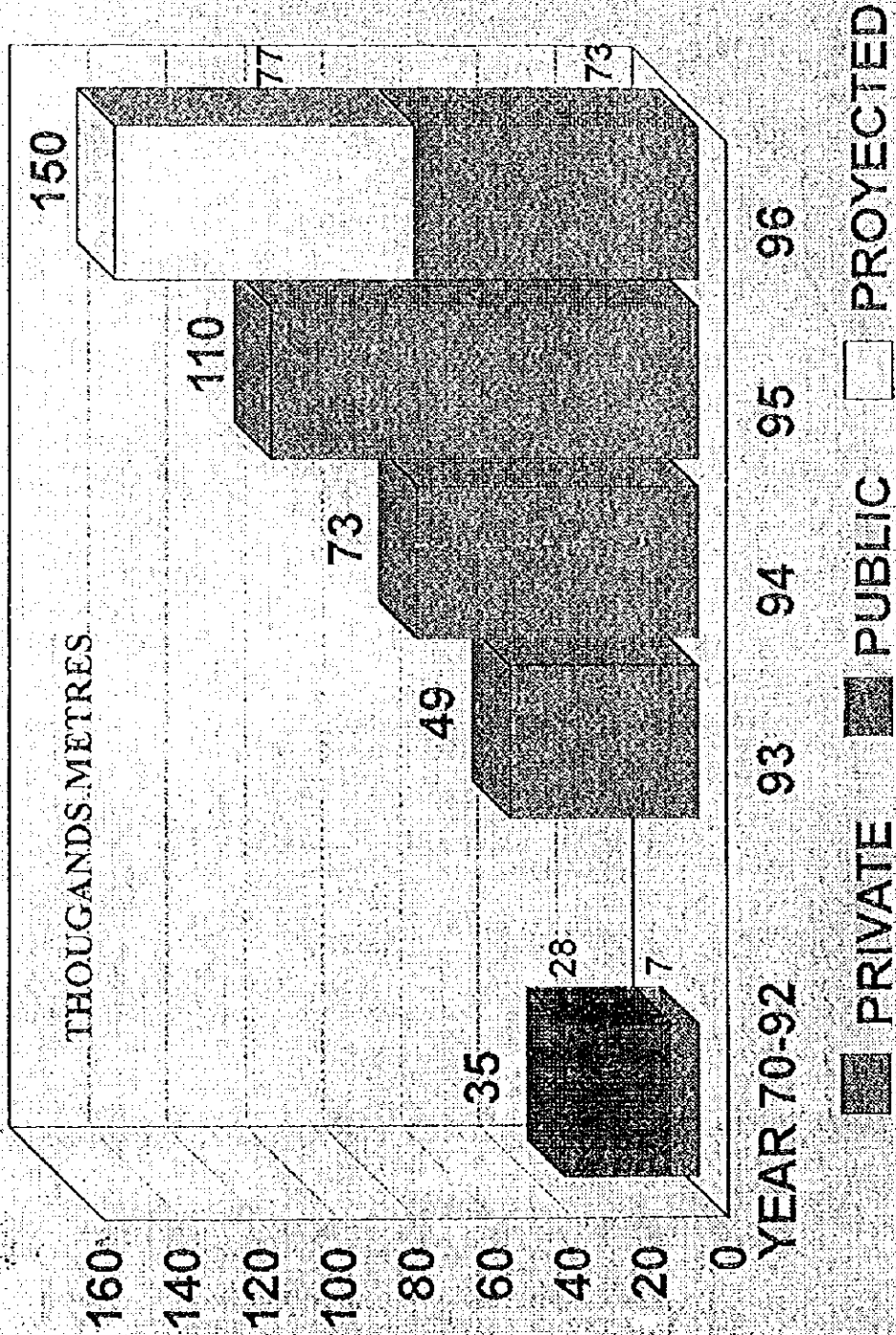
Companies which determine the ranking for mining investment world - wide

<p>Ashton Mining BHP - Utah Minerals Bridge Oil CRA Exploration Central Norseman Gold North Broken Hill Peko Western Mining Cominco-Resources Falconbridge INCO Noranda Minerals Placer Dome Atlas Consolidated Marcopper Mining AMAX Exploration ASARCO Battle Mountain Gold Cyprus Minerals Freeport MeMoRan Hecla Mining Min Ven Gold Nord Resources</p>	<p>Pegasus Gold Phelps Dodge B.P. Minerals Billiton International Metals Cie. Generale des Matiers Nucleaires Metallgesellschaft Rio Tinto Minerals Ste Generale de Belgique Anglo American Austar Resources Corp. Argex Minerals Barrick Exploraciones BHP Minerals Cambior Inc. Cia. Min. Aguilar Cia. Min. de la Barca Cia. Min. Solitario Cominco Resources CR International Corp. CRA Exploration Arg. Inti Raimi</p>	<p>GAMSA Gpo. Min. Aconcagua M M Argentina Metall Minig Corp. Minera Alumbra Battle Mountain Gold Minera del Altiplano Minera Mincorp Minera Newcrest Noranda Minerals North Broken Hill Peko Pacific Rim Pegasus Gold Phelps Dodge Placer Dome Puma Minerals Rio Algom Rio Tinto Minerals (RTZ) WMC Argentina Otras 33 Junior</p>
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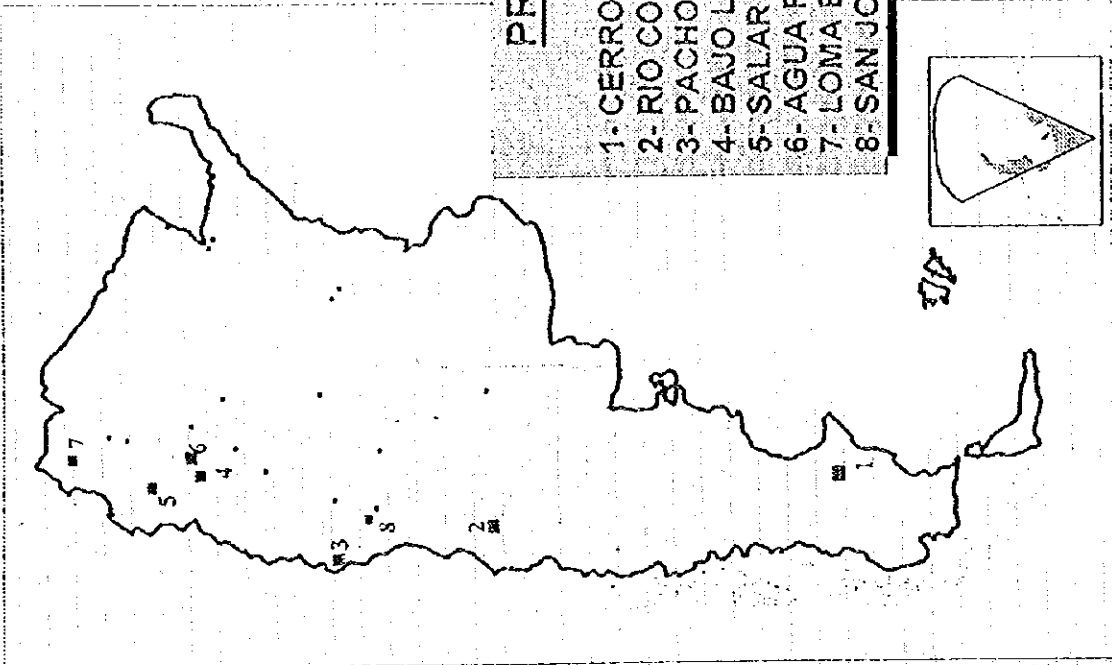
EXPLORATION AREAS AND FEASIBILITY PROJECTS



MINING EXPLORATION DRILLING

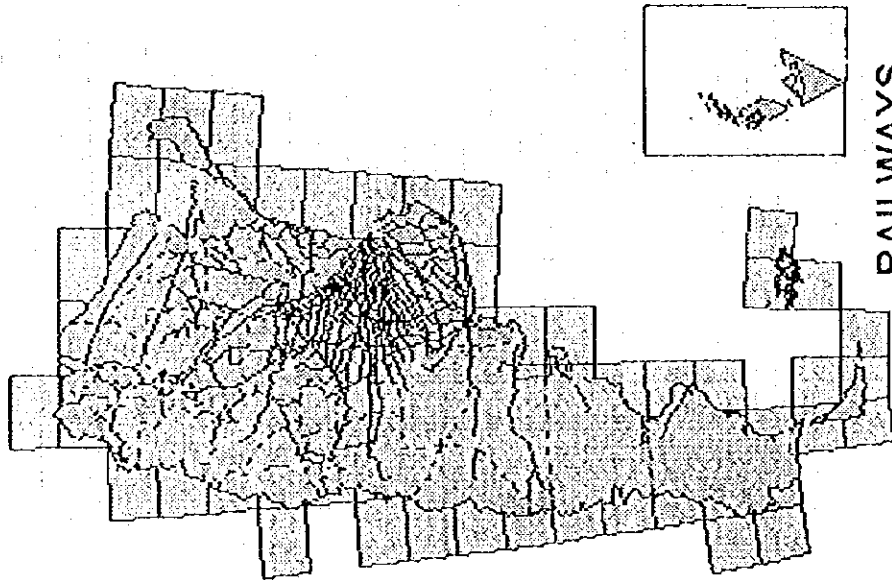


MAIN FEASIBILITY OR PREFEASIBILITY PROJECTS



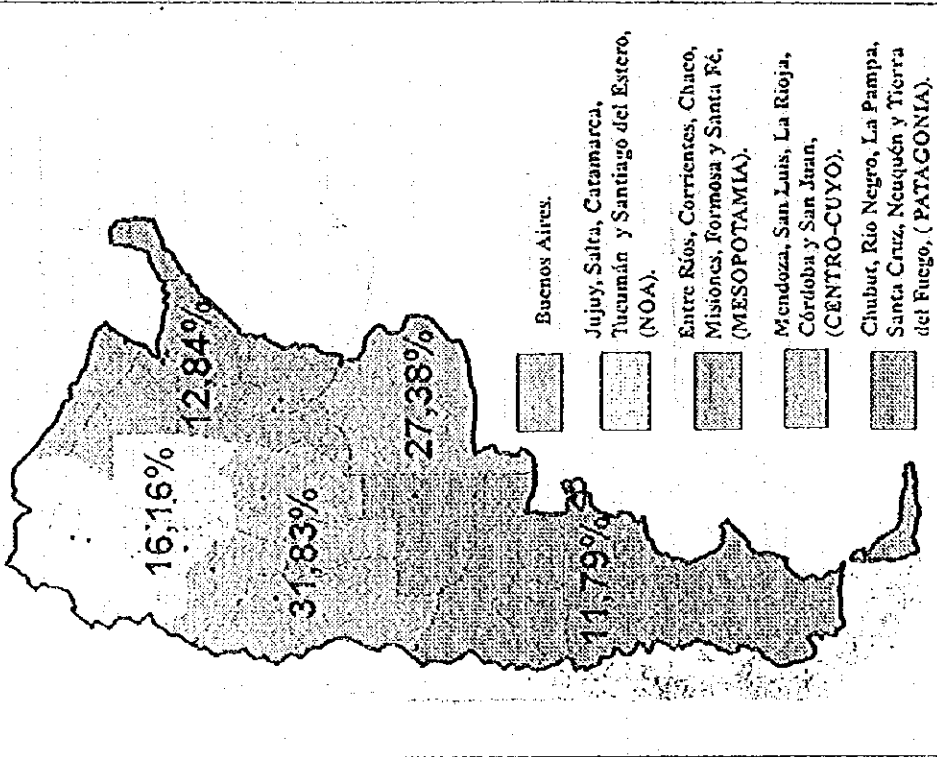
<u>PROJECT</u>	<u>PROVINCE</u>
1- CERRO VANGUARDIA	SANTA CRUZ
2- RIO COLORADO	MENDOZA
3- PACHON	SAN JUAN
4- BAJO LA ALUMBRERA (IN CONSTRUCTION)	CATAMARCA
5- SALAR HOMBRE MUERTO	CATAMARCA
6- AGUA RICA	CATAMARCA
7- LOMA BLANCA (IN CONSTRUCTION)	JUJUY
8- SAN JORGE	MENDOZA

**ARGENTINA
RAILWAY INFRASTRUCTURE**

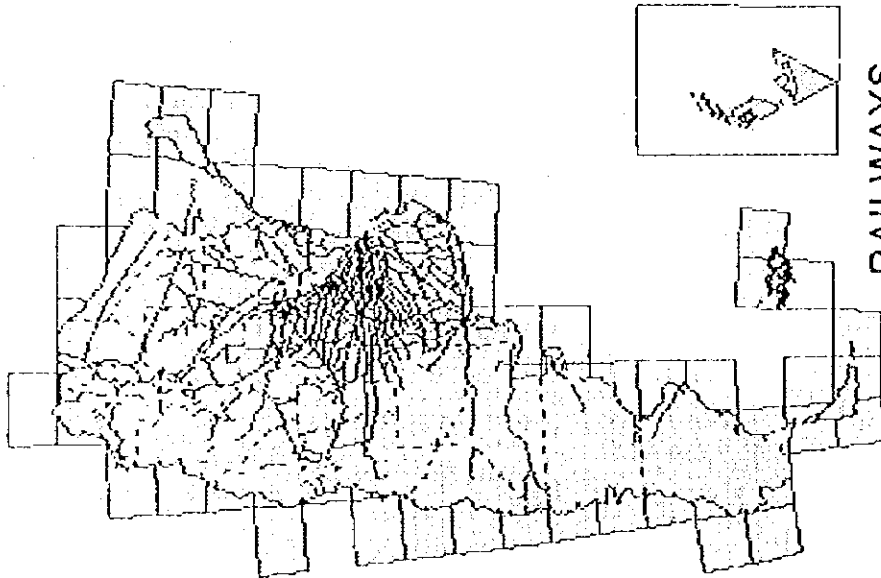


RAILWAYS

**MINING PRODUCTION VALUED BY
REGIONS**

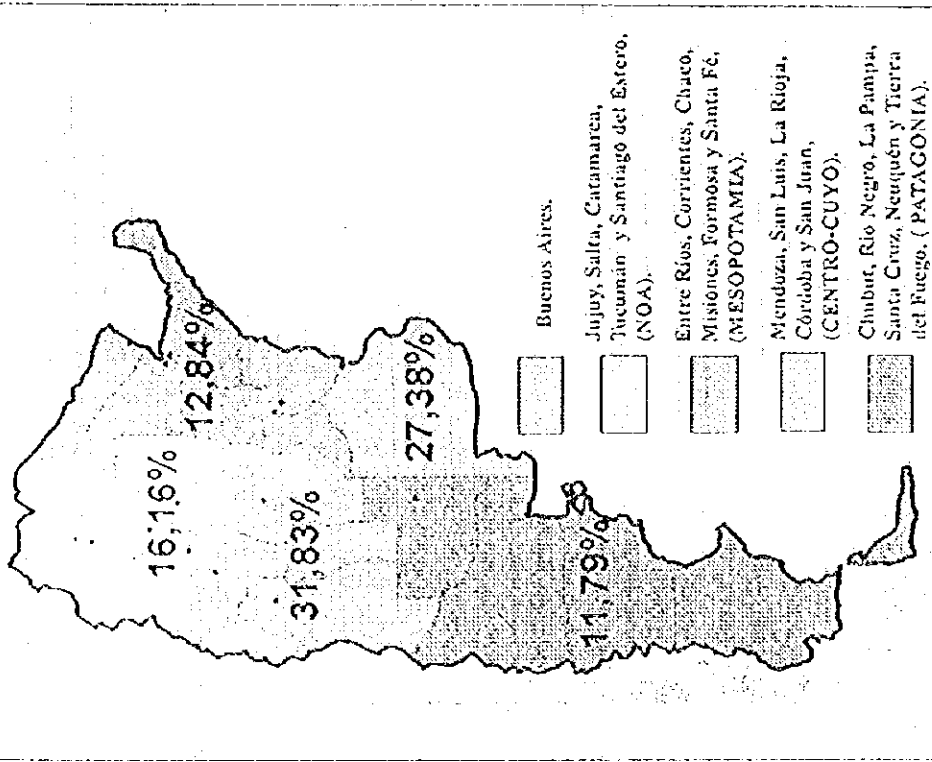


**ARGENTINA
RAILWAY INFRASTRUCTURE**

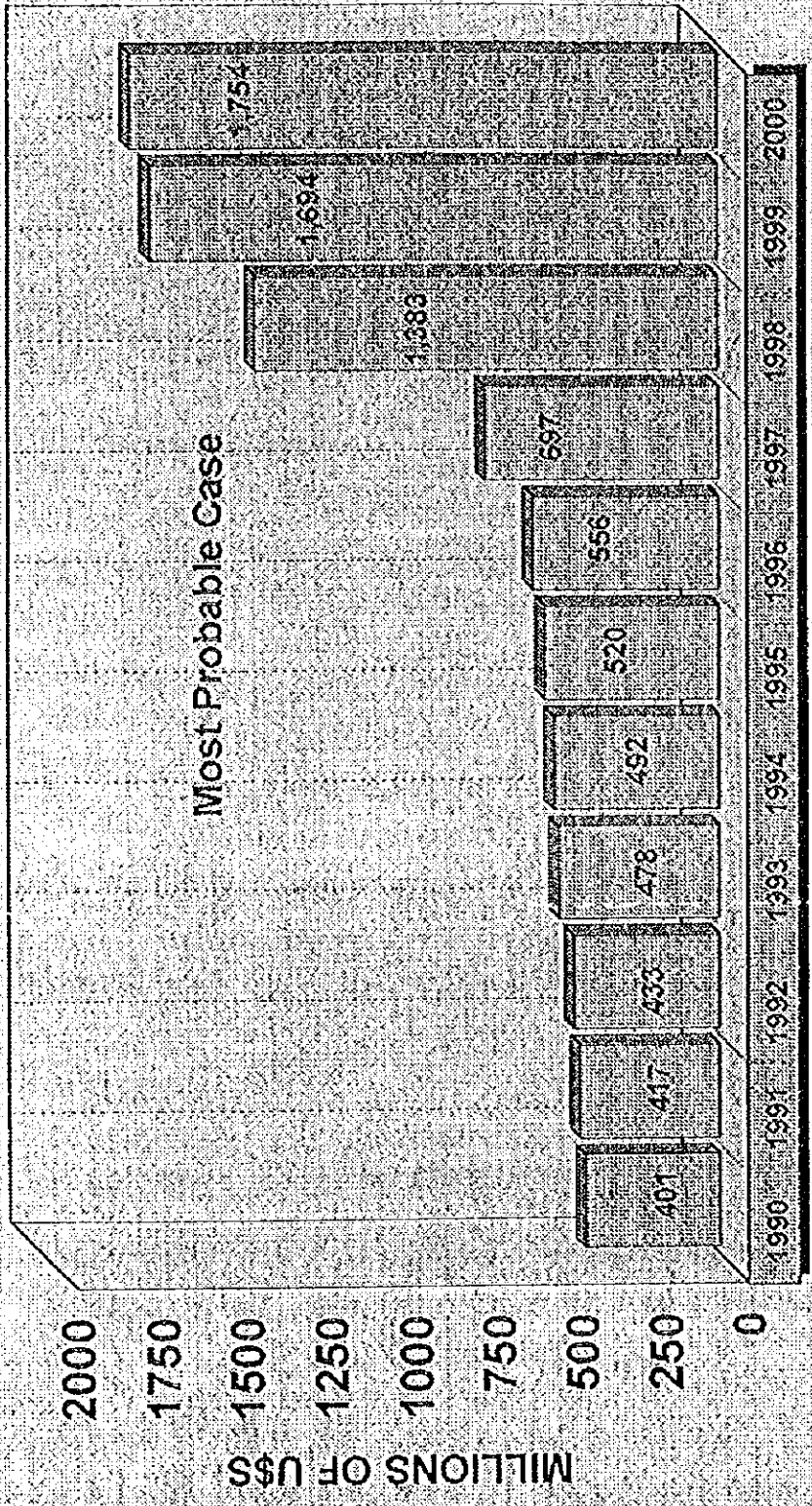


RAILWAYS

**MINING PRODUCTION VALUED BY
REGIONS**

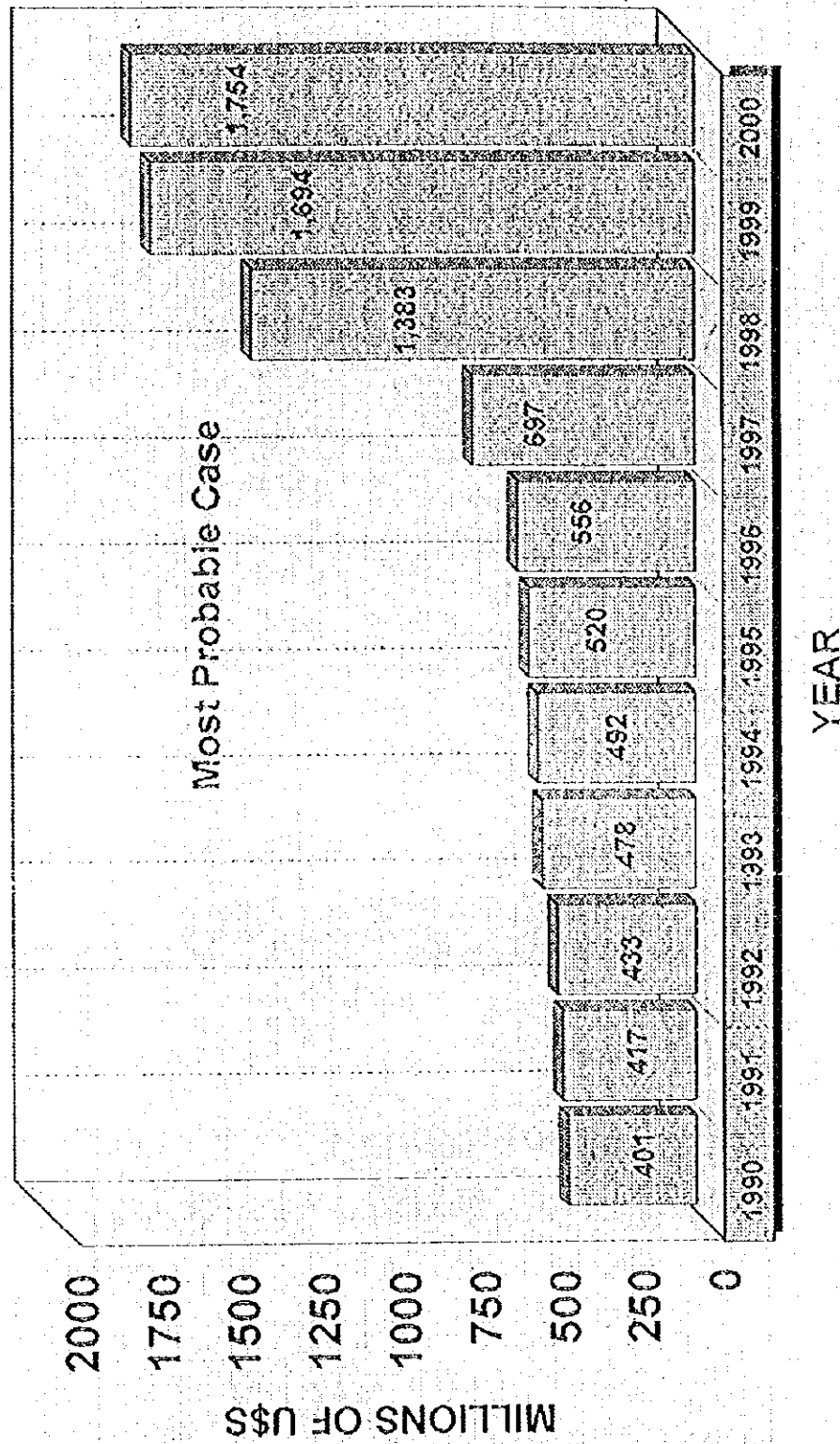


MINING PRODUCTION



YEAR

MINING PRODUCTION



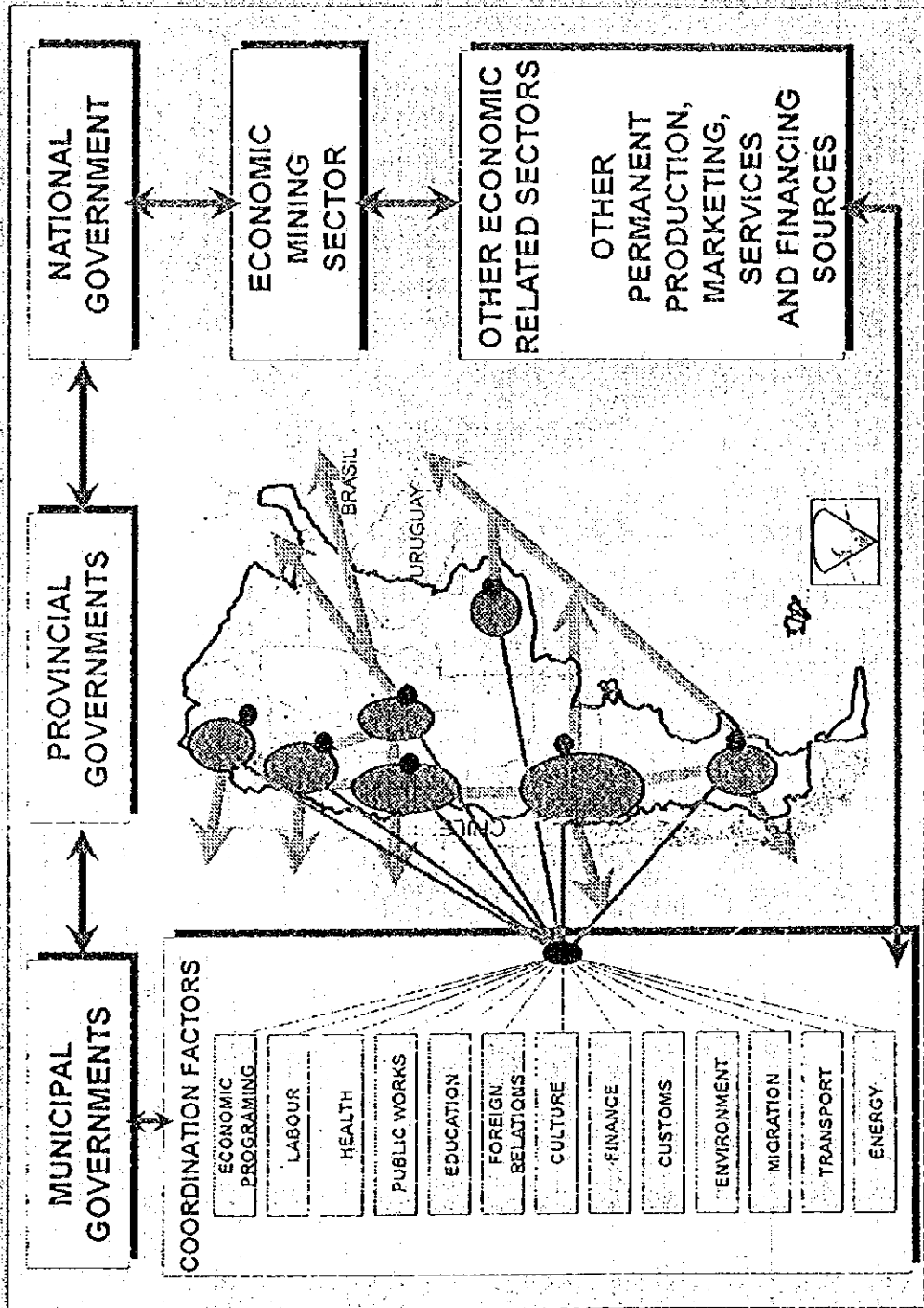
**PROJECTED SCENARIO FOR THE ARGENTINE MINING
SECTOR UP TO THE YEARS 2000 AND 2005**

SCENARIO	PROJECT	VALUE (mils of US\$) Year 2000	VALUE (mils of US\$) Year 2005
Most Probable	Salar del Hombre Muerto	85.000	70.000
	Cerro Vanguardia	120.000	150.000
	Potasio Rio Colorado	300.000	150.000
	Bajo de la Alumbrera	500.000	600.000
	3 nuevos proyectos de oro	50.000	150.000
	2 nuevos proyectos polimetálicos Evolución de la producción actual	699.000	200.000 850.000
	PRODUCTION VALUE	1.754.000	2.170.000
	EXPORTS VALUE	1.135.000	1.420.000
MAXIMUM	Salar del Hombre Muerto	85.000	85.000
	Cerro Vanguardia	120.000	120.000
	Cerro Vanguardia (Incremento)		50.000
	Potasio Rio Colorado	300.000	300.000
	Bajo de la Alumbrera	500.000	600.000
	El Pachón		150.000
	San Jorge	75.000	75.000
	Zancarrón		50.000
	3 nuevos proyectos de oro	50.000	150.000
	2 nuevos proyectos polimetálicos 1 nuevo gran proyecto de Cu y Au Evolución de la producción actual	100.000 806.000	200.000 750.000 1.000.000
	PRODUCTION VALUE	2.036.000	3.530.000
	EXPORTS VALUE	1.270.000	2.630.000

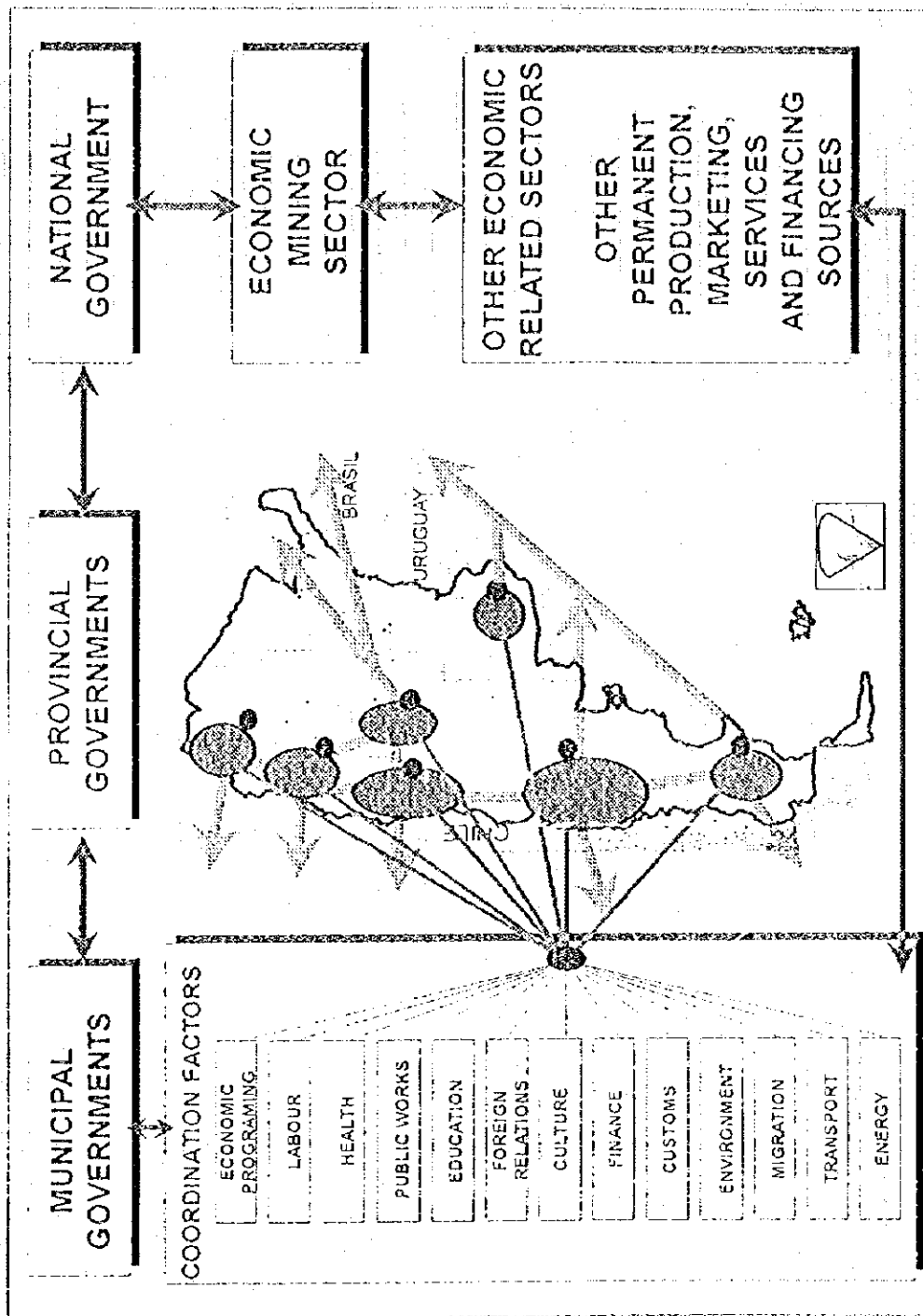
**PROJECTED SCENARIO FOR THE ARGENTINE MINING
SECTOR UP TO THE YEARS 2000 AND 2005**

SCENARIO	PROJECT	VALUE (mils of US\$) Year 2000	VALUE (mils of US\$) Year 2005
Most Probable	Salar del Hombre Muerto	85.000	70.000
	Cerro Vanguardia	120.000	150.000
	Potasio Rio Colorado	300.000	150.000
	Bajo de la Alumbrera	500.000	600.000
	3 nuevos proyectos de oro. 2 nuevos proyectos polimetálicos Evolución de la producción actual	50.000 699.000	150.000 200.000 850.000
	PRODUCTION VALUE EXPORTS VALUE	1.754.000 1.135.000	2.170.000 1.420.000
MAXIMUM	Salar del Hombre Muerto	85.000	85.000
	Cerro Vanguardia	120.000	120.000
	Cerro Vanguardia (Incremento)		50.000
	Potasio Rio Colorado	300.000	300.000
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		PRODUCTION VALUE EXPORTS VALUE	2.036.000 1.270.000

THE COORDINATION OF STATE AND PRIVATE INVESTMENT SHALL PRODUCE ECONOMIC DEVELOPMENT AREAS AND INCREASEMENT OF INVESTMENT OPPORTUNITIES



THE COORDINATION OF STATE AND PRIVATE INVESTMENT SHALL PRODUCE ECONOMIC DEVELOPMENT AREAS AND INCREASEMENT OF INVESTMENT OPPORTUNITIES

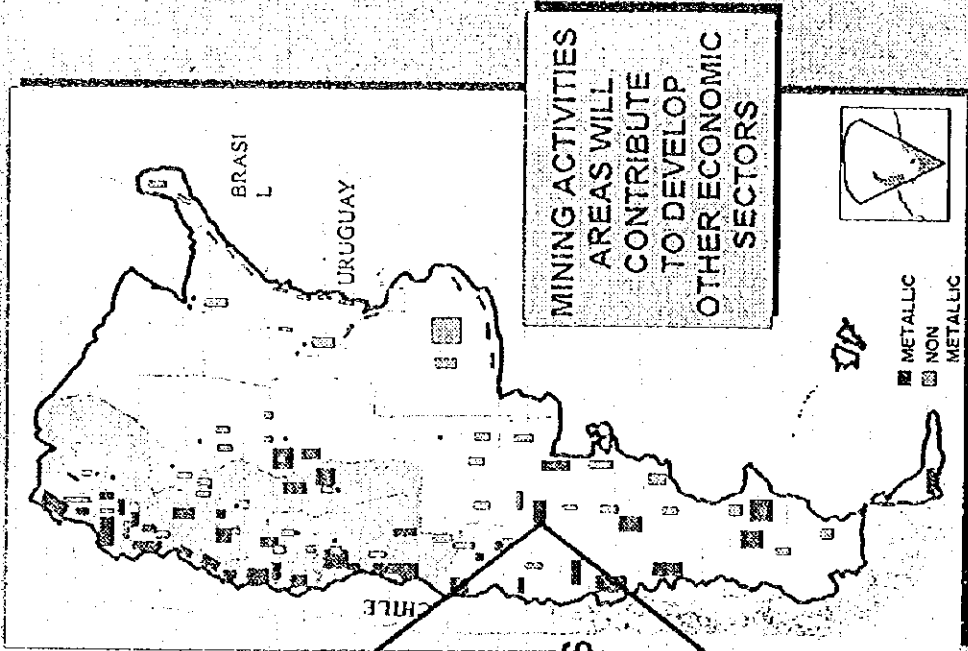


THE NEW INSTITUTIONAL FRAMEWORK AND THE PUBLIC MINING SERVICES (P.A.S.M.A. PROJECT) WILL EFFICIENTLY SUPPORT PRIVATE INVESTMENT

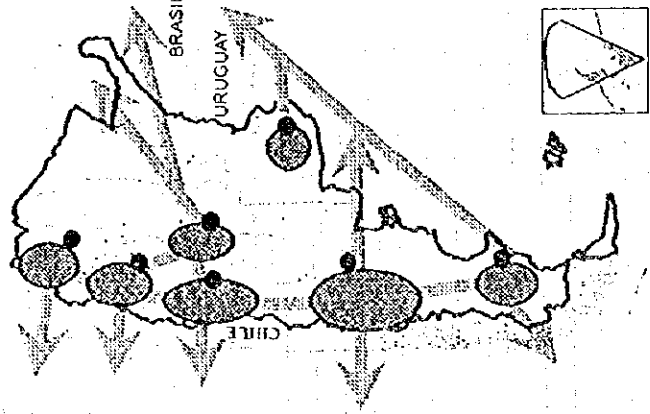
MODERNIZED PUBLIC MINING INSTITUTIONS AT NATIONAL AND PROVINCIAL LEVEL

- MODERN AND EFFICIENT APPLICATION OF MINING LEGISLATION
- UNIFIED NATIONAL MINING CADASTRE SYSTEM
- MINING ENVIRONMENTAL PREVENTIVE SYSTEM
- SYSTEMATIC PRODUCTION AND DISTRIBUTION OF BASIC GEOLOGICAL INFORMATION
- NATIONAL TECHNOLOGICAL SYSTEM APPLIED TO MINING PRODUCTION
- NATIONAL MINERAL MARKETS AND STATISTICS SYSTEM
- UNIFIED AND INTERACTIVE ARGENTINE MINING SECTOR DATA BANK SYSTEM

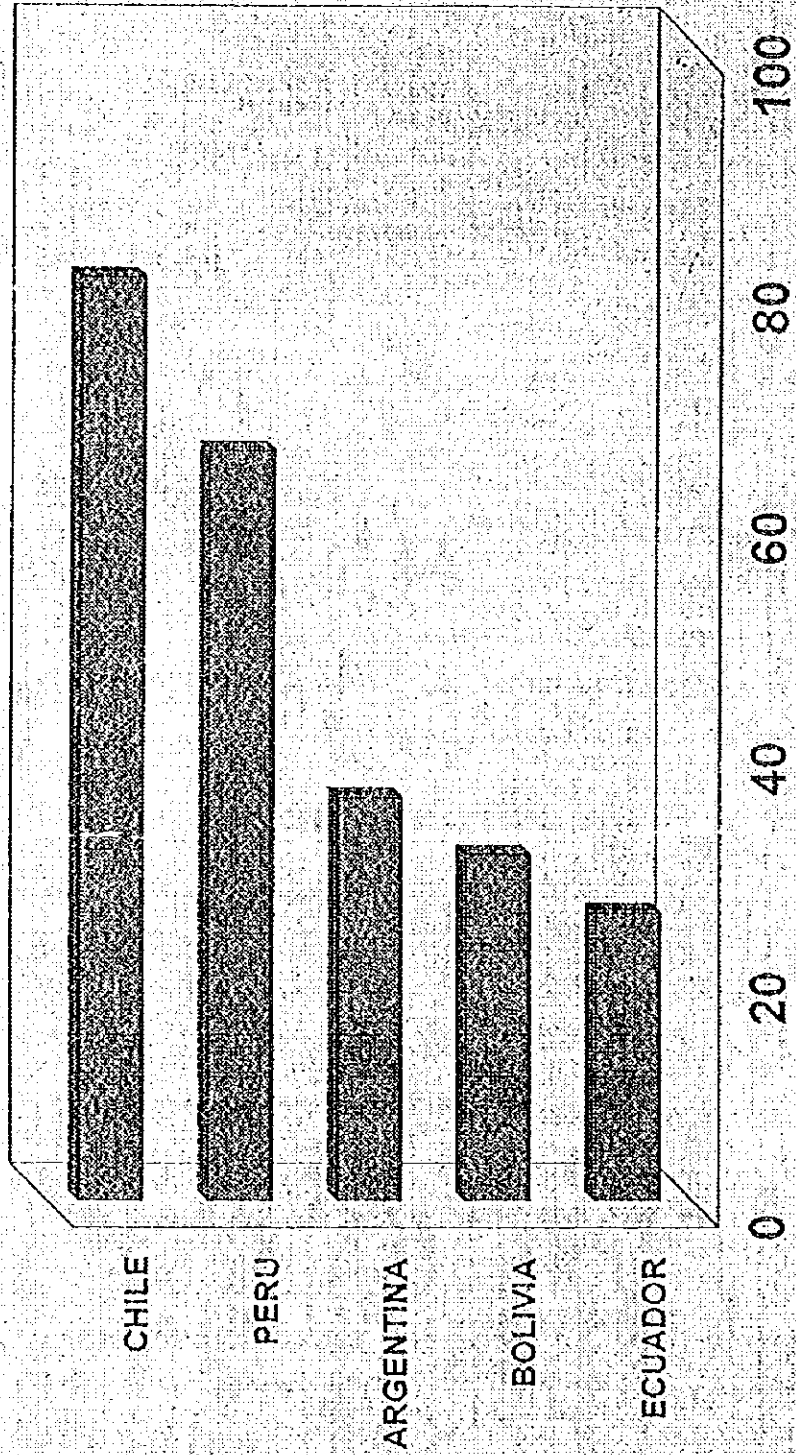
MINING PUBLIC SERVICES



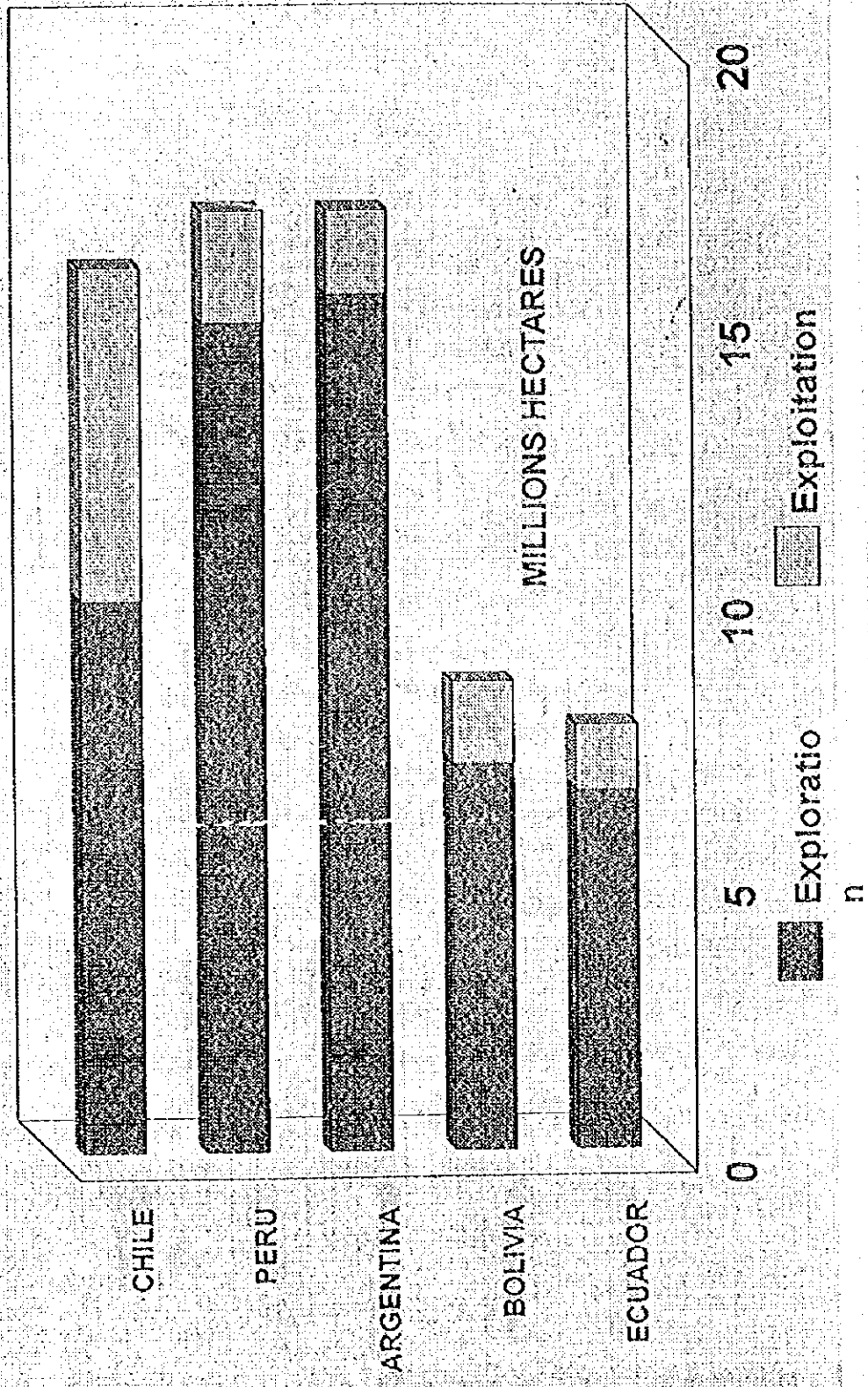
PRESENT AND FUTURE PLANS AND ACTIONS

<p>1995</p> <p>COMPLETE LEGAL FRAMEWORK</p> <p>DEVELOPMENT OF A FAVORABLE INVESTMENT CLIMATE FOR PROSPECTION AND EXPLORATION PREINVESTMENT</p> <p>INTEGRATION TREATY WITH CHILE</p> <p>MODERNIZATION OF THE NON METALLIC SECTOR</p> <p>MODERNIZATION OF PUBLIC MINING INSTITUTIONS AT NATIONAL AND PROVINCIAL LEVEL</p> <p>OPERATIONAL PLAN YEAR 1995</p>	<p>1996/2000</p> <p>CONSOLIDATE THE LEGAL FRAMEWORK, OPTIMIZING PROVINCIAL LEGISLATION</p> <p>CONSOLIDATE A FAVORABLE INVESTMENT CLIMATE FOR PRIVATE PREINVESTMENT AND INVESTMENT</p> <p>CONSOLIDATE EXPORT INCREMENTS</p> <p>RECONVERTED NON METALLIC SECTOR</p> <p>EFFICIENT MINING PUBLIC SERVICES AT NATIONAL AND PROVINCIAL LEVEL</p> <p>MINING FIVE-YEAR PLAN #1</p>	<p>2001/2005</p> <p>MINING COUNTRY</p>  <p>MINING FIVE-YEAR PLAN #2</p>
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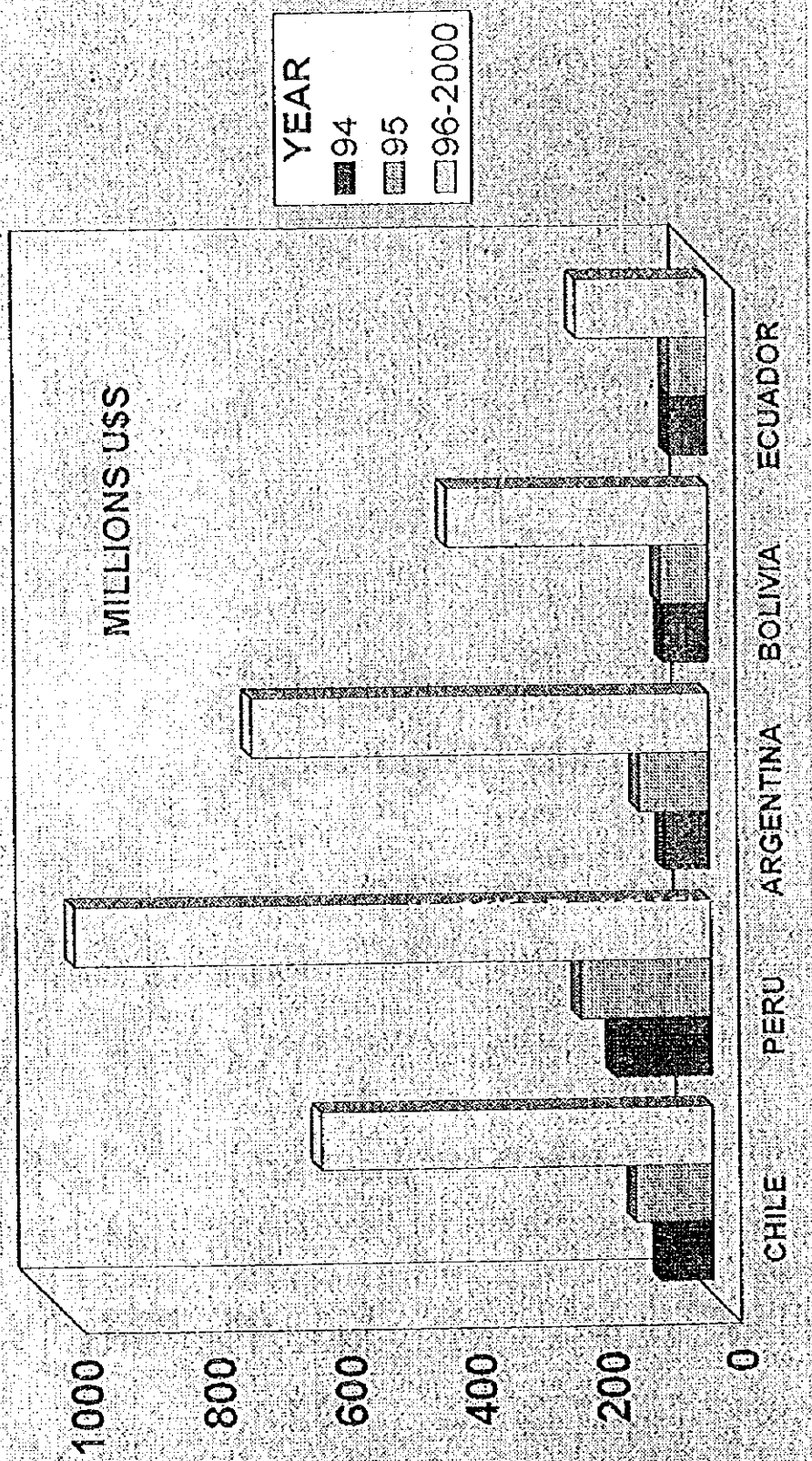
TRANSACTIONS 1994 - 1995



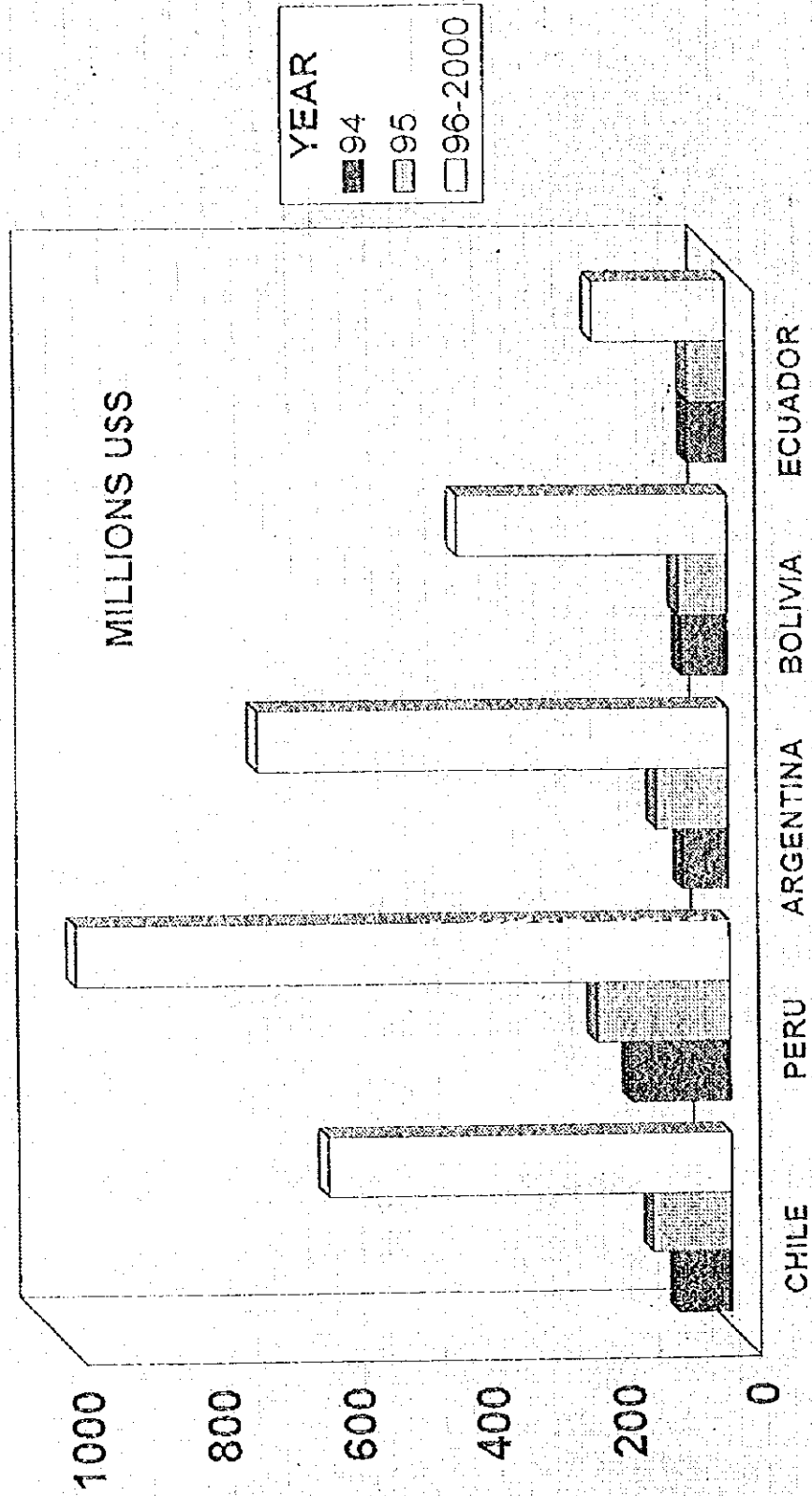
ALLOTTED SURFACES



BASIC EXPLORATION

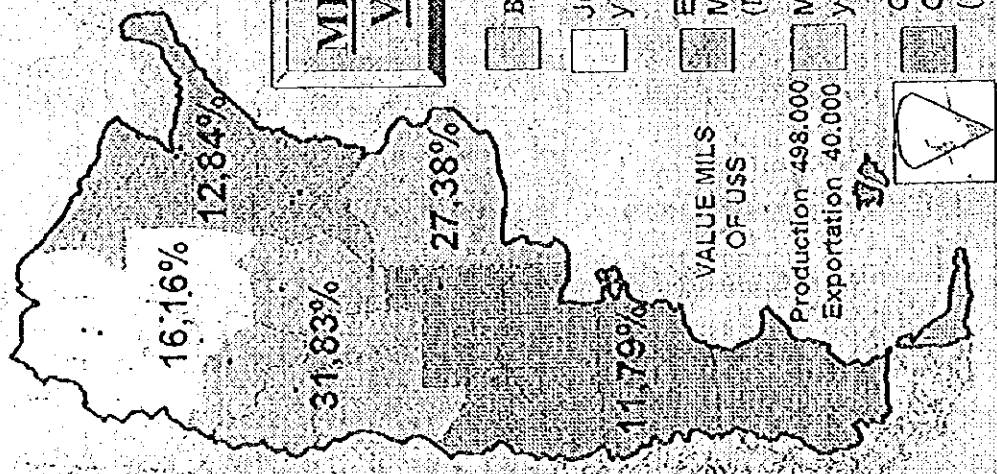


BASIC EXPLORATION



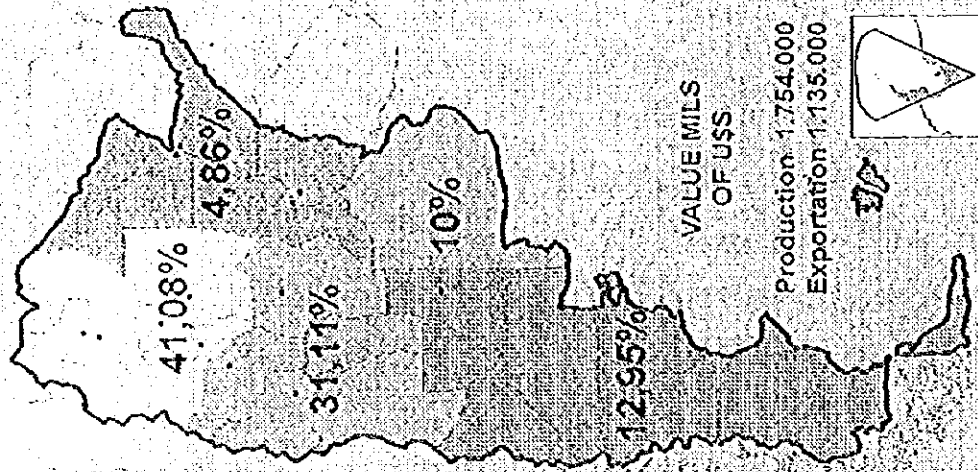
REPUBLIC ARGENTINA

YEAR 1995



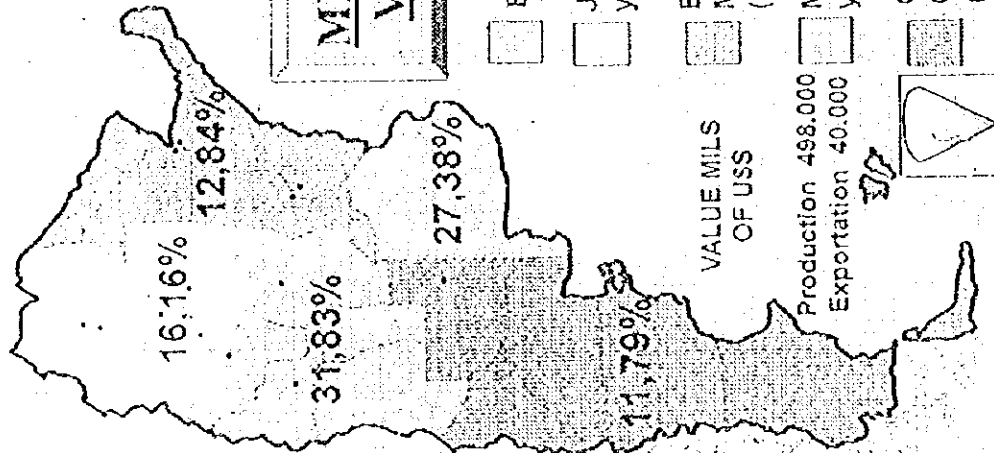
REPUBLIC ARGENTINA

YEAR 2000



REPUBLIC ARGENTINA

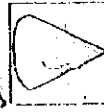
YEAR 1995



VALUE MILS
OF US\$

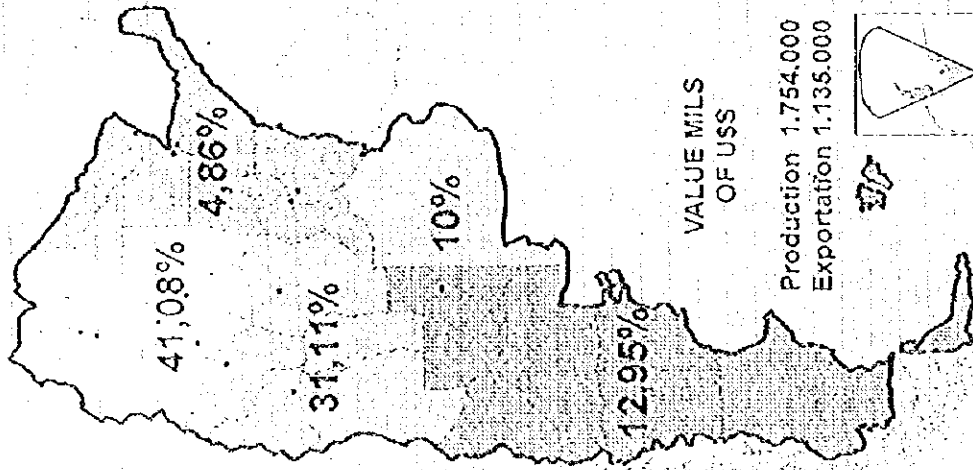
Production 498.000
Exportation 40.000

30



REPUBLIC ARGENTINA

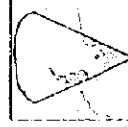
YEAR 2000



VALUE MILS
OF US\$

Production 1.754.000
Exportation 1.135.000

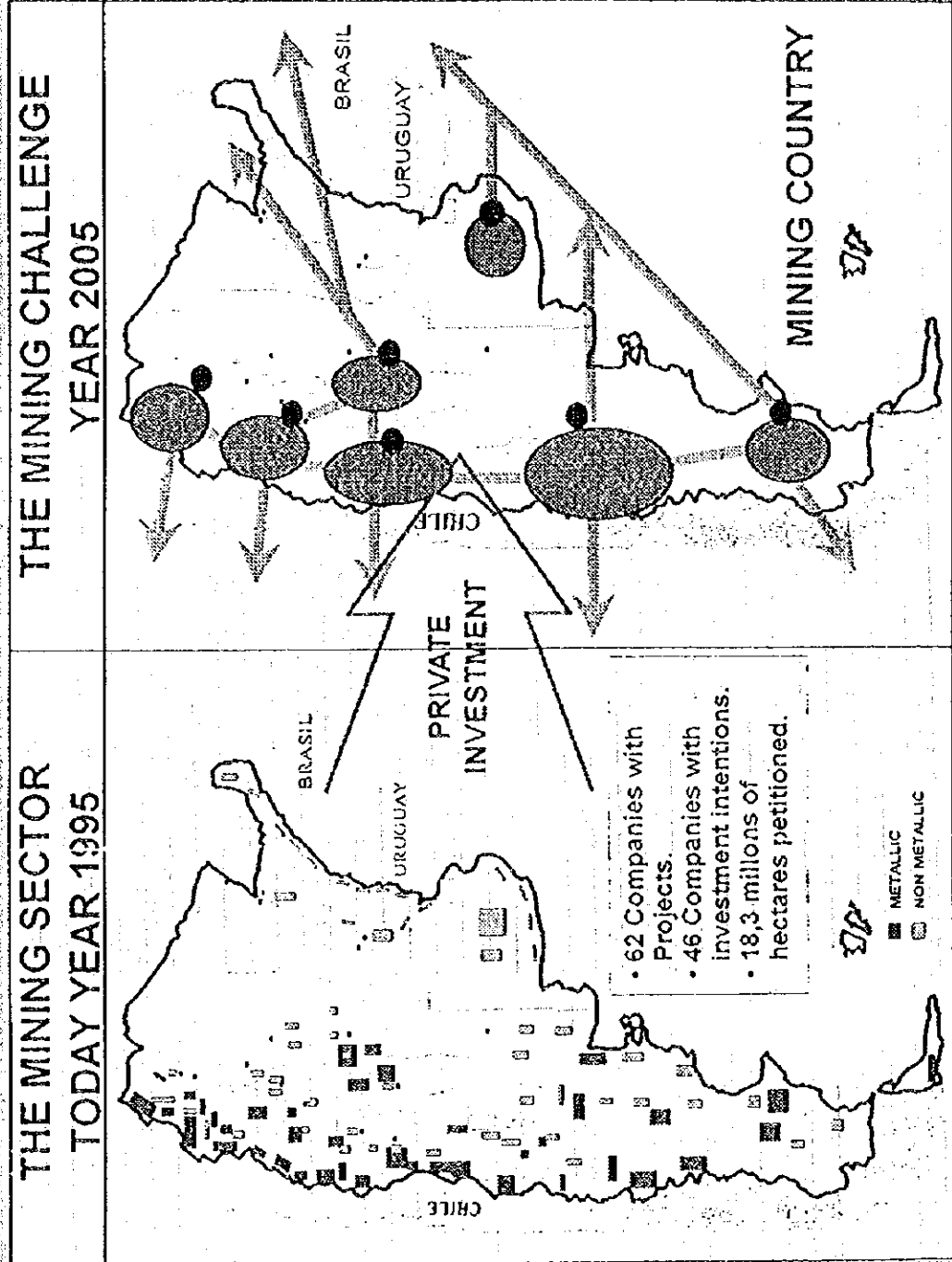
30



**MINING PRODUCTION
VALUE BY REGIONS**

- Buenos Aires.
- Jujuy, Salta, Catamarca, Tucumán y Santiago del Estero, (NOA).
- Entre Ríos, Corrientes, Chaco, Misiones, Formosa y Santa Fé, (MESOPOTAMIA).
- Mendoza, San Luis, La Rioja, Córdoba y San Juan, (CENTRO-CUYO).
- Chubut, Rio Negro, La Pampa, Santa Cruz, Neuquén y Tierra del Fuego, (PATAGONIA).

PRIVATE INVESTMENT PARTICIPATION IN THE ARGENTINE MINING SECTOR CHALLENGE



6.6.3. Valor de la producción minera. Total del país. Años 1990/1995				
Año	Total	Minerales metálicos	Minerales no metálicos	Rocas de aplicación
Pesos a precios de 1992				
1990	401.688.846	86.127.796	105.662.225	208.501.485
1991	416.837.866	69.203.466	109.888.521	237.168.159
1992	433.653.981	55.875.431	120.603.270	257.170.040
1993*	478.476.797	44.136.882	126.264.024	306.881.561
1994*	488.047.176	40.821.299	117.606.926	328.661.271
1995*	506.443.040	42.357.145	119.446.329	343.237.458
Fuente: Secretaría de Industria, Comercio y Minería				

Piedras semipreciosas
1.397.340
577.720
5.240
1.194.330
957.680
1.402.108

6.6.6. Valor de la producción de los principales minerales metalíferos, según división político			
Total del país. Años 1990/1995			
División Político - Territorial	1990	1991	1992
			Pesos a prec
Total	86.127.796	69.203.466	55.875.431
Catamarca	6.497.153	6.640.745	4.988.774
Córdoba	154.040	277.670	82.500
Chubut	8.249.424	12.509.678	8.482.214
Jujuy	41.974.136	40.611.170	36.998.725
La Rioja	151.800	27.500	33.000
Mendoza	360.970	329.613	2.280.520
Neuquén	531.935	130.789	181.598
Río Negro	23.132.820	3.737.577	...
San Juan	2.200.000	2.365.000	23.100
San Luis	131.018	373.724	55.000
Sgo. del Estero	38.500	...	...
Sin discriminar (1)	2.706.000	2.200.000	2.750.000
(1) Corresponde a la producción de oro proveniente de los "pirquineros".			
Fuente: Secretaría de Industria, Comercio y Minería			

territorial.			
1993*	1994*	1995*	
los de 1992			
44.136.882	40.821.299	42.357.145	
7.396.200	7.344.426	6.556.695	
100	500	1.400	
246.983	356.951	...	
30.779.462	28.016.622	31.380.950	
94.820	463.980	729.520	
2.218.040	1.015.300	343.640	
101.277	230.020	22.940	
...	
...	27.500	...	
...	66.000	22.000	
...	
3.300.000	3.300.000	3.300.000	

6.6.4. Producción de los principales minerales metalíferos, según la sustancia mineral.				
Total del país. Años 1990/1995				
Mineral	1990	1991	1992	1993'
Toneladas de metal contenido				
Berilo	3	3	...	...
Cadmio (1)	115	118	119	80
Cinc	38.664	39.253	40.978	31.395
Cobre (2)	357	409	297	...
Columbio	...	...	...	...
Cromo	...	...	...	2
Estaño	123	...	...	...
Hierro	444.115	88.932	2.502	1.372
Litio	3	15	31	...
Manganeso	727	965	240	...
Oro en kg (3)	1.399	1.725	1.106	937
Plata en kg (4)	82.657	69.959	45.374	42.744
Plomo	23.365	23.697	17.956	11.826
Uranio	11	21	146	148
Vanadio	...	...	...	...
Volframio	8	7	...	...
(1) Contenido en concentrados de cinc.				
(2) Incluye el cobre contenido en concentrados polimetálicos.				
(3) Se considera oro 24 quilates. No se tienen en cuenta las pérdidas por fundición.				
Contenido en concentrados polimetálicos y en minerales de manganeso y aluviones.				
(4) Contendida en concentrados de plomo, de plata, polimetálicos y minerales de manganeso.				
Fuente: Secretaría de Industria, Comercio y Minería				

6.6.7. Producción de los principales minerales no metalíferos, según tipo de mineral. Total del país.

Mineral	1990	1991	1992
			Toneladas
Alcaparrosa	640	680	...
Amianto	275	270	215
Arcillas	2.465.010	2.546.401	2.989.854
Arena silícea	334.524	374.410	340.093
Asfalúta	470	470	310
Azufre	60	124	...
Baritina	40.143	23.896	10.015
Bentonita	107.035	107.782	97.531
Boratos	144.020	115.644	125.000
Calcita	61.330	57.225	30.610
Caolines	33.684	47.115	43.722
Celestina	3.112	3.176	2.237
Cuarzo	122.159	121.314	106.204
Diatomita	4.254	6.132	5.363
Feldespato	28.039	42.270	48.509
Fluorita	24.503	16.462	4.587
Grafito	318	85	20
Laterita	57.350	27.369	63.504
Mica	864	1.648	1.008
Ocres	36	77	40
Pirofilita	1.491	2.261	3.020
Sal común	832.979	942.787	951.857
Sal de roca	599	411	348
Sulfato de aluminio (1)	71.712	71.871	85.296
Sulfato de hierro	...	...	...
Sulfato de magnesio	720	1.200	880
Sulfato de sodio (2)	14.735	16.140	24.796
Talco	17.994	23.060	21.580
Turba	6.718	1.212	1.179
Vermiculita	10	190	...
Yeso	361.865	383.434	514.274
(1) Expresado en 6 % óxidos útiles totales.			
(2) Anhidro.			
Fuente: Secretaría de Industria, Comercio y Minería			

Años 1990/1995			
1993*	1994*	1995*	
...	
309	319	251	
4.394.987	3.627.944	3.313.778	
396.134	247.177	285.653	
160	121	662	
...	
14.761	27.952	27.043	
96.706	117.095	113.760	
146.349	215.021	244.933	
34.513	59.933	52.577	
42.052	50.471	40.010	
4.806	8.484	9.325	
101.399	67.936	95.121	
3.096	6.260	4.928	
55.764	39.825	36.901	
4.611	3.585	5.071	
...	
...	
1.946	1.824	5.041	
28	...	...
1.962	1.996	4.189	
1.033.066	852.164	985.914	
738	3.110	...	
29.240	56	352	
...	200	...	
2.820	1.160	720	
6.554	7.978	10.604	
18.084	16.850	17.600	
2.880	2.932	4.000	
38	32	44	
519.181	515.269	531.735	

EL NUEVO MODELO INSTITUCIONAL PUBLICO MINERO

(PROYECTO P.A.S.M.A.)

SISTEMA NACIONAL DE TECNOLOGIA MINERA (SINATEM)

INSTRUCION PUBLICA MINERA DE NIVEL NACIONAL (SEGEMAR) MODERNIZADA

FASE I: RELEVAMIENTO DE LA OFERTA TECNOLÓGICA Y DE LA DEMANDA DE TECNOLOGIA DE LAS PYMES APLICADA A LA PRODUCCION MINERA.

FASE II: IMPLEMENTACION DEL PROGRAMA SINATEM Y EL PROGRAMA PYMES.

FASE III: MODERNIZACION Y COORDINACION DE LA OFERTA TECNOLÓGICA ESTATAL Y PRIVADA.

FASE IV: RECONVERSION DEL SECTOR NO METALIFERO.

SERVICIOS
TECNOLÓGICOS
PUBLICOS Y
PRIVADOS
APLICADOS
A LA MINERIA

