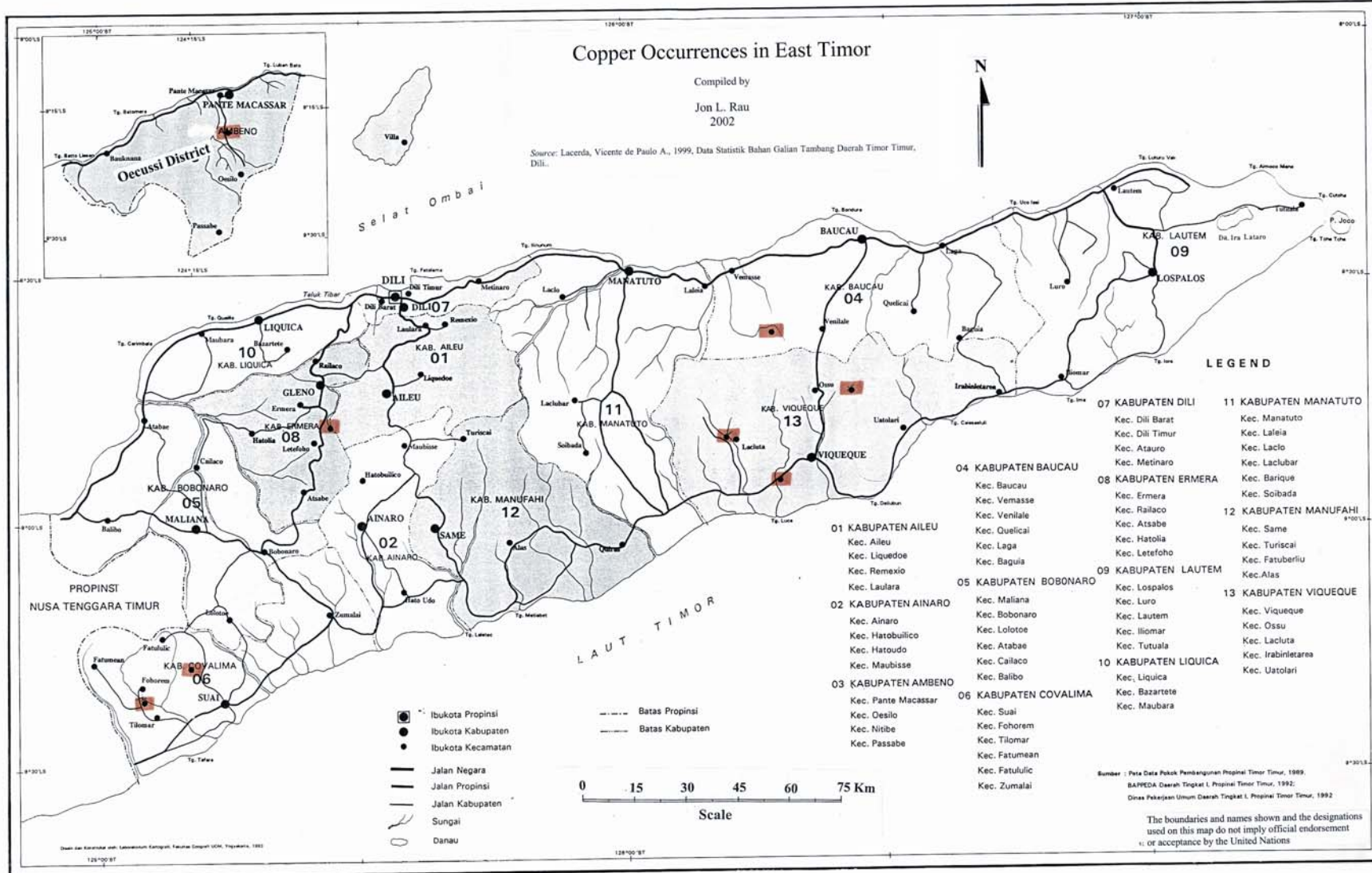


Part V.

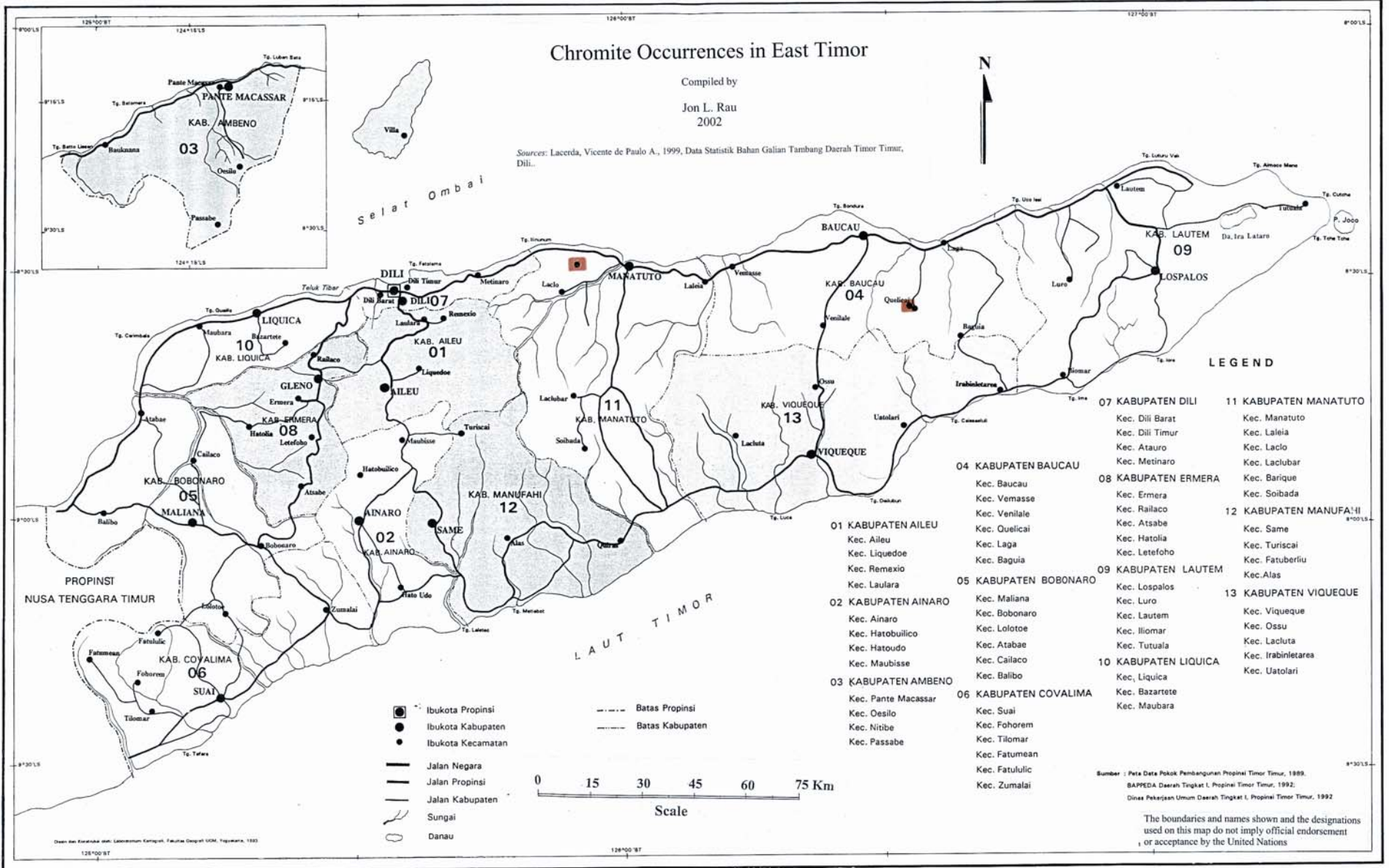
**Maps of the Mineral Distribution in
East Timor**

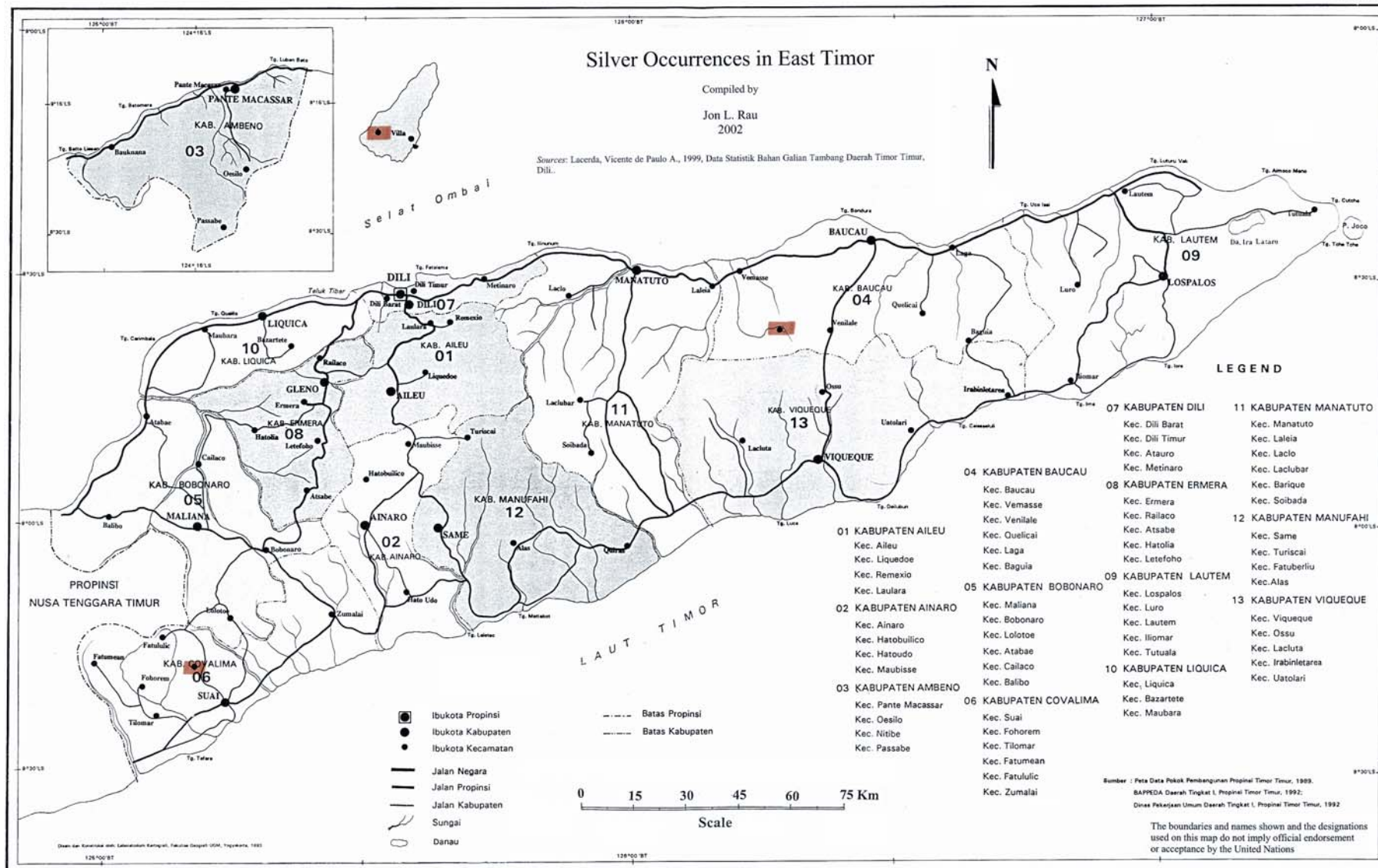


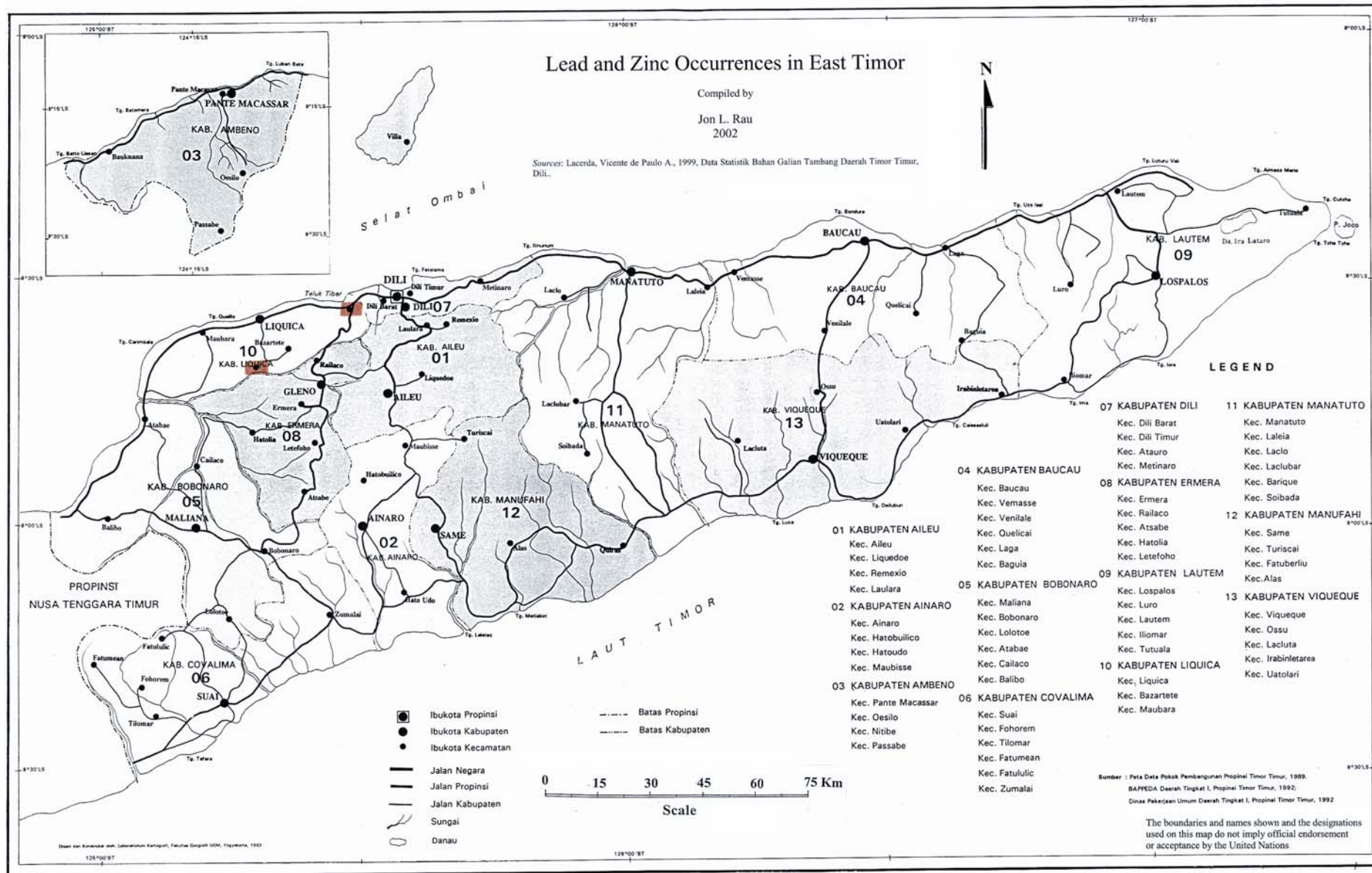
Chromite Occurrences in East Timor

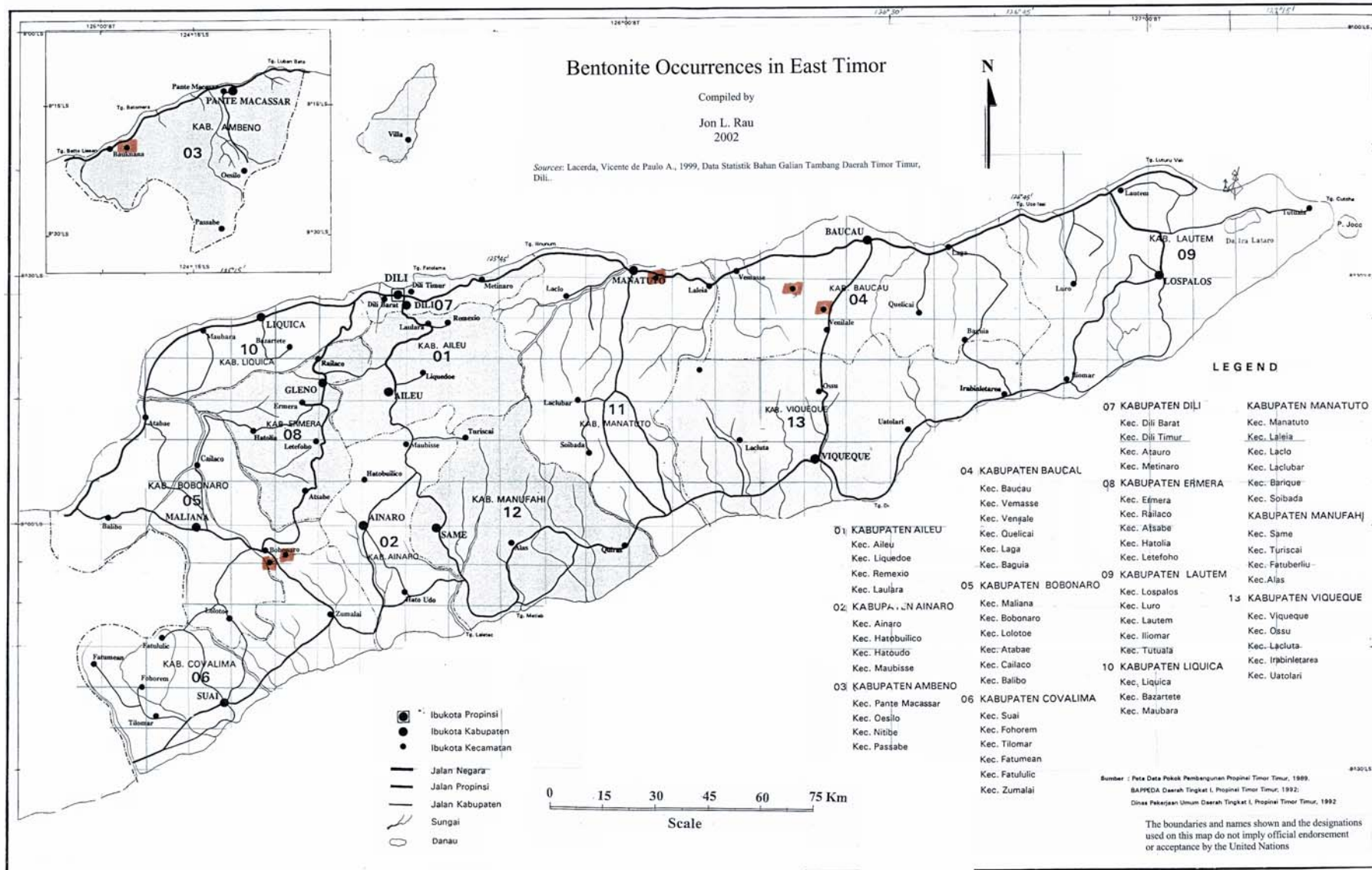
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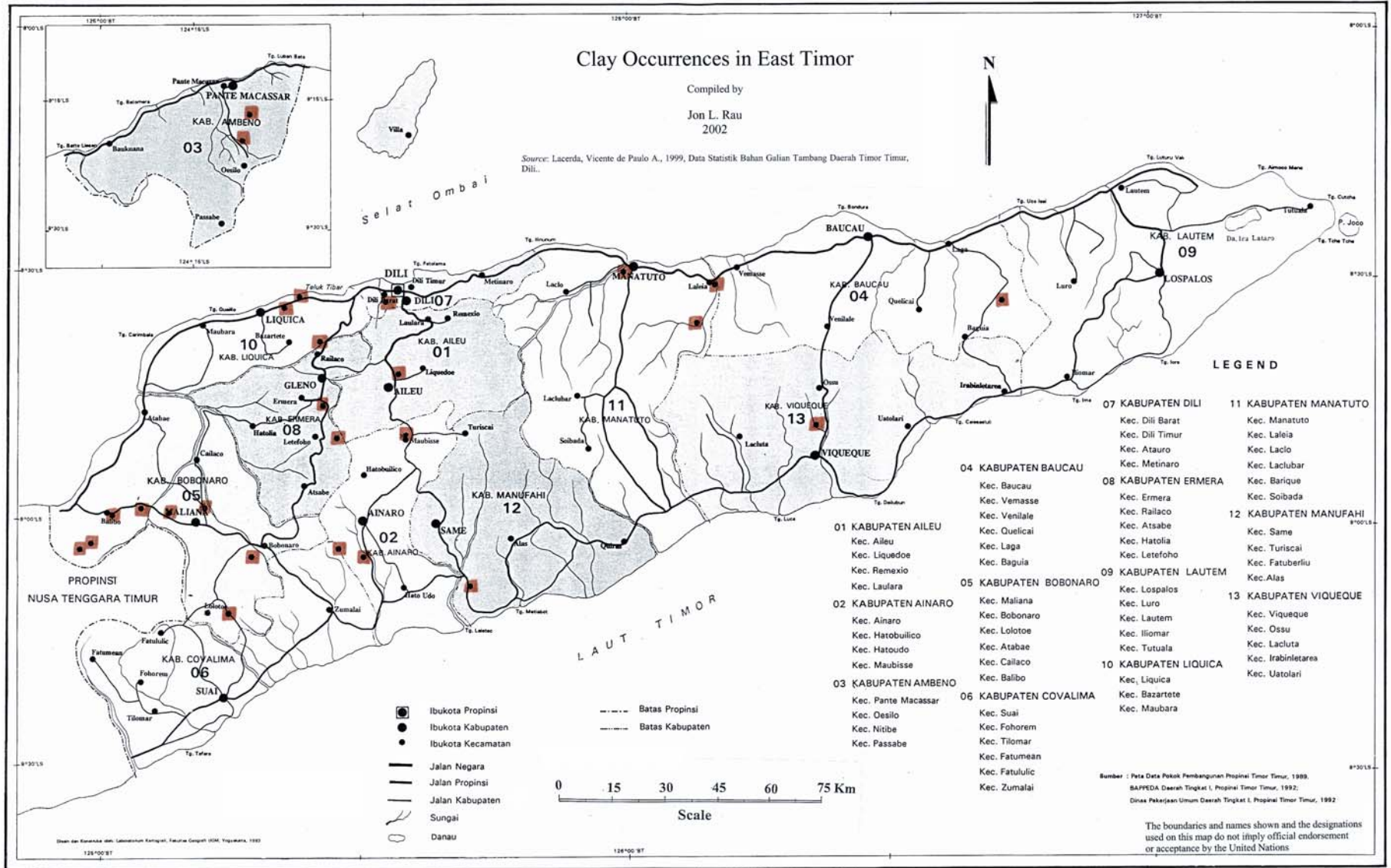
Sources: Lacerda, Vicente de Paulo A., 1999, Data Statistik Bahan Galian Tambang Daerah Timor Timur, Dili.

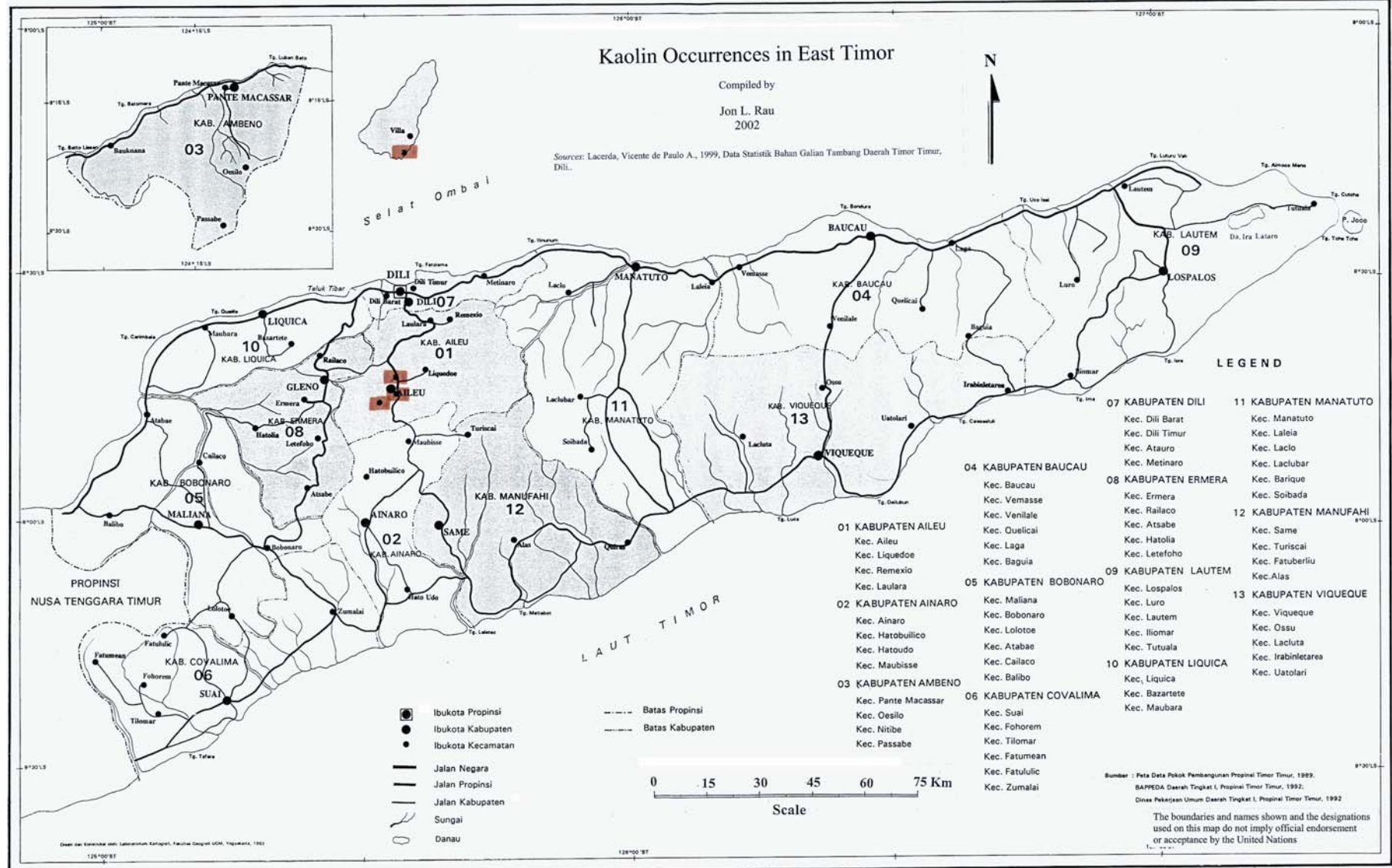


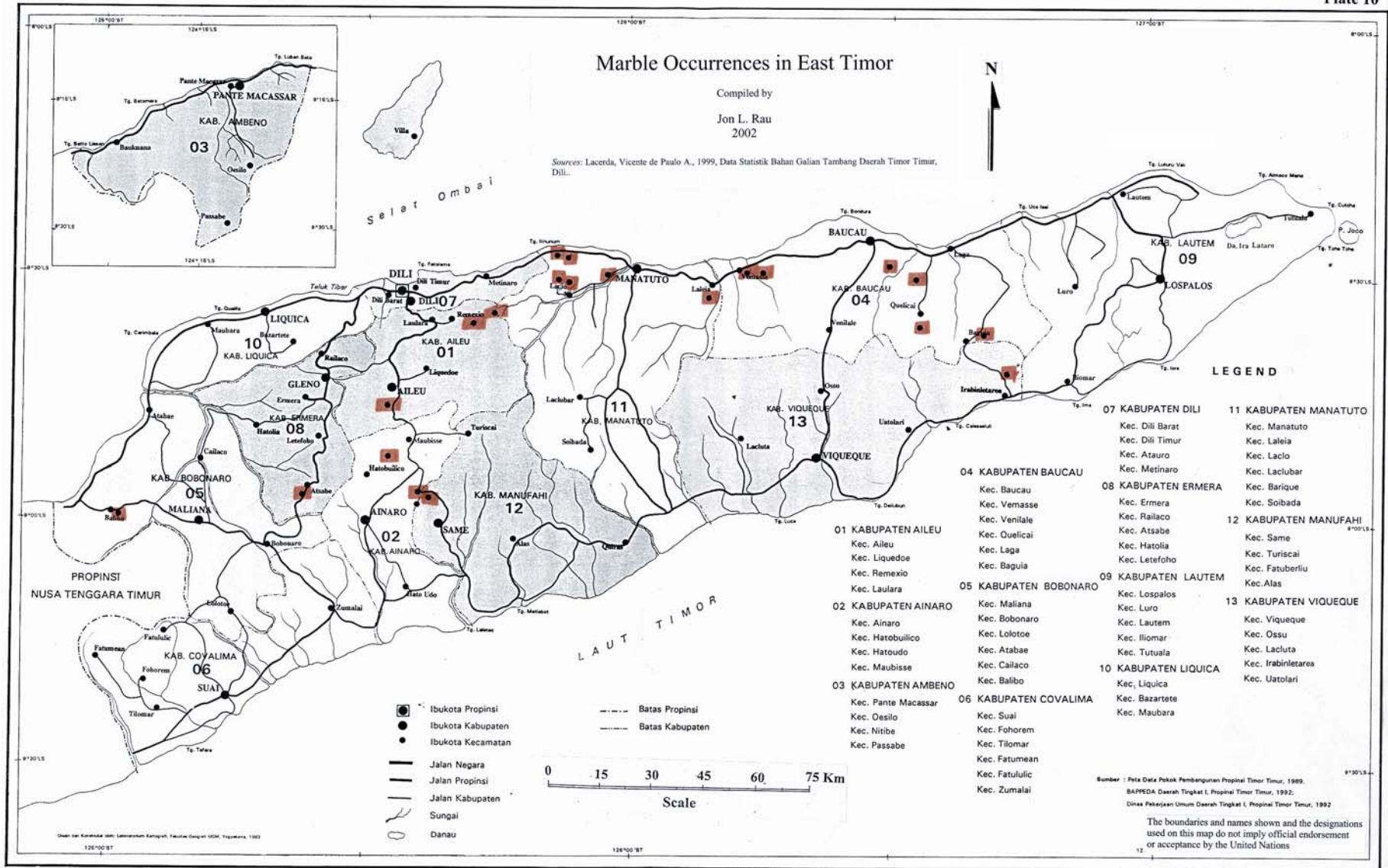


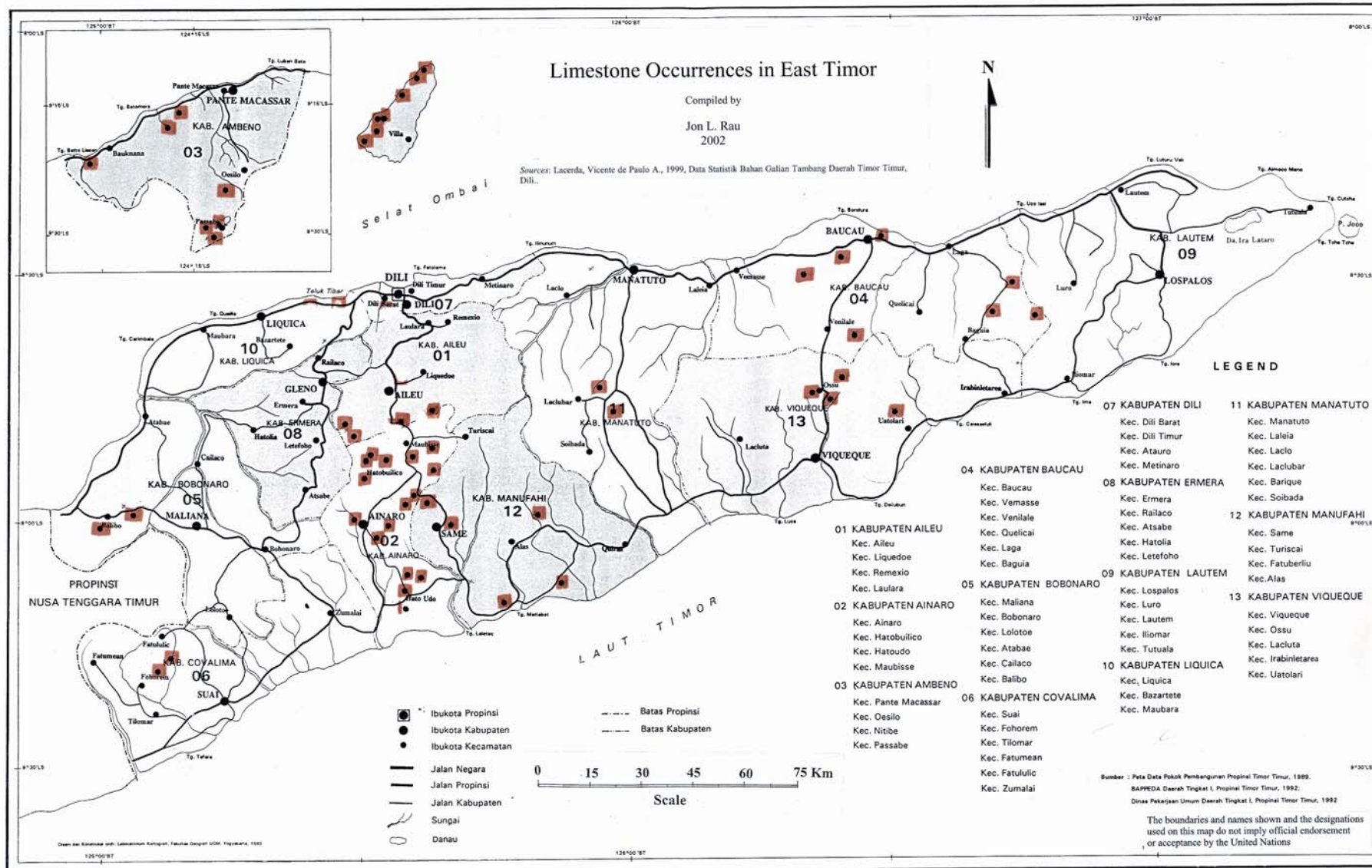


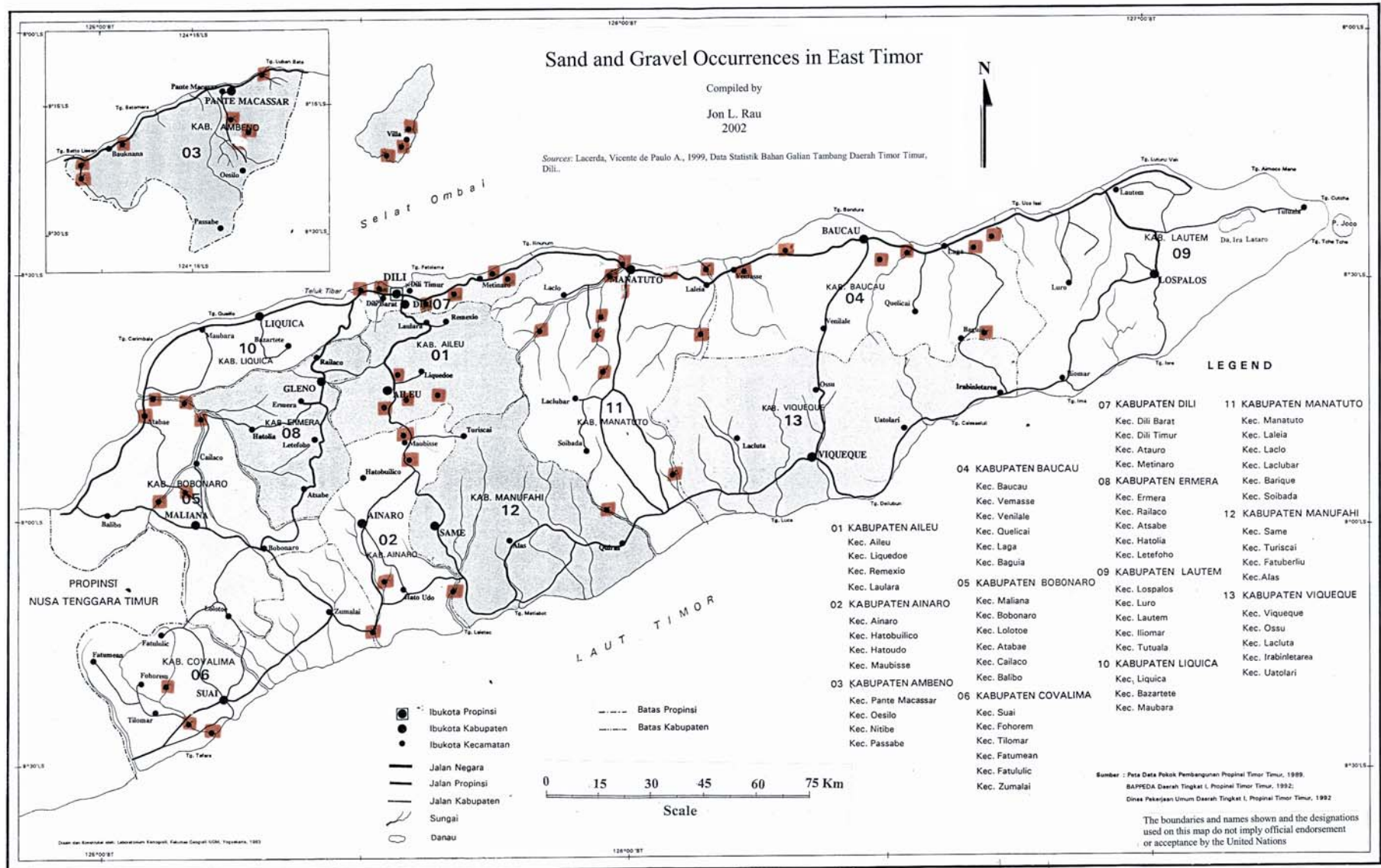












Part VII.

Maps of Mineral Occurrences in the Districts of East Timor



Figure 37. A cobble beach located at Laca (Baucau District). Cobbles were selectively screened and sorted for use in the construction industry and in road building during Indonesian times. Most of the cobbles and pebbles selected were white limestone. Note the abandoned screen sorter on the left.

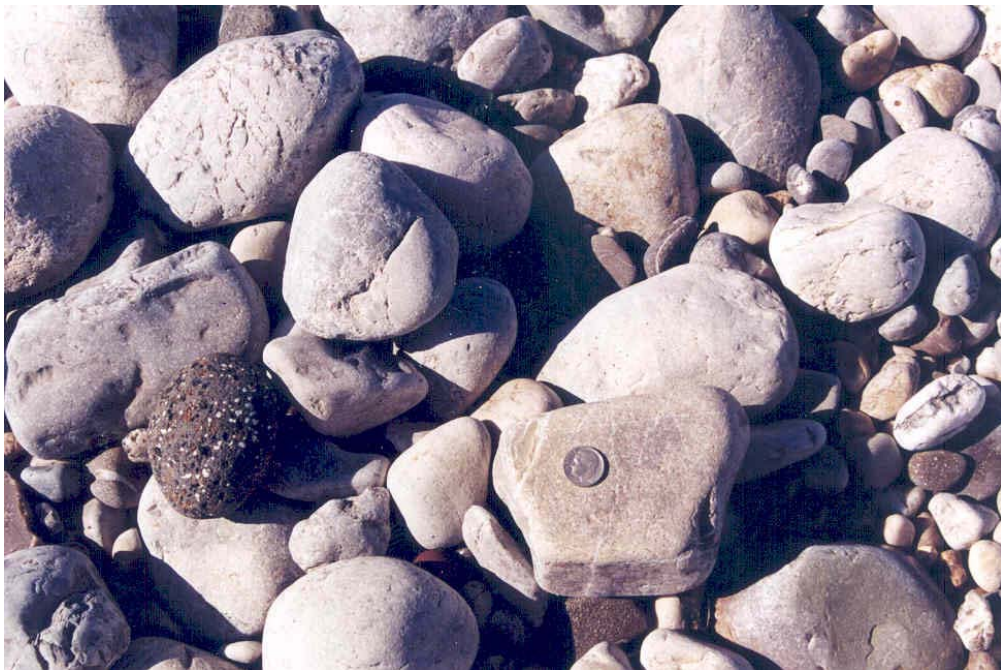
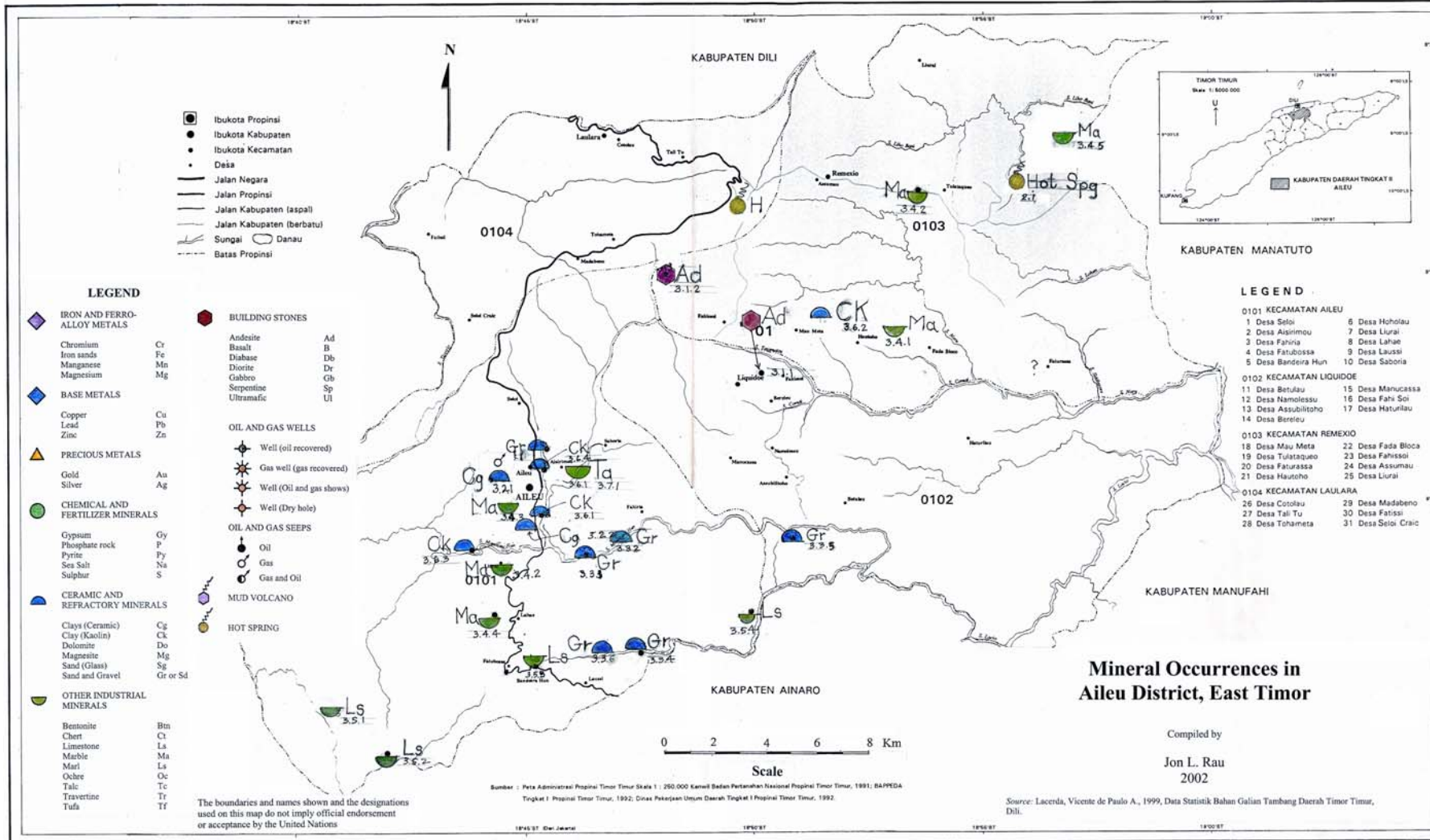
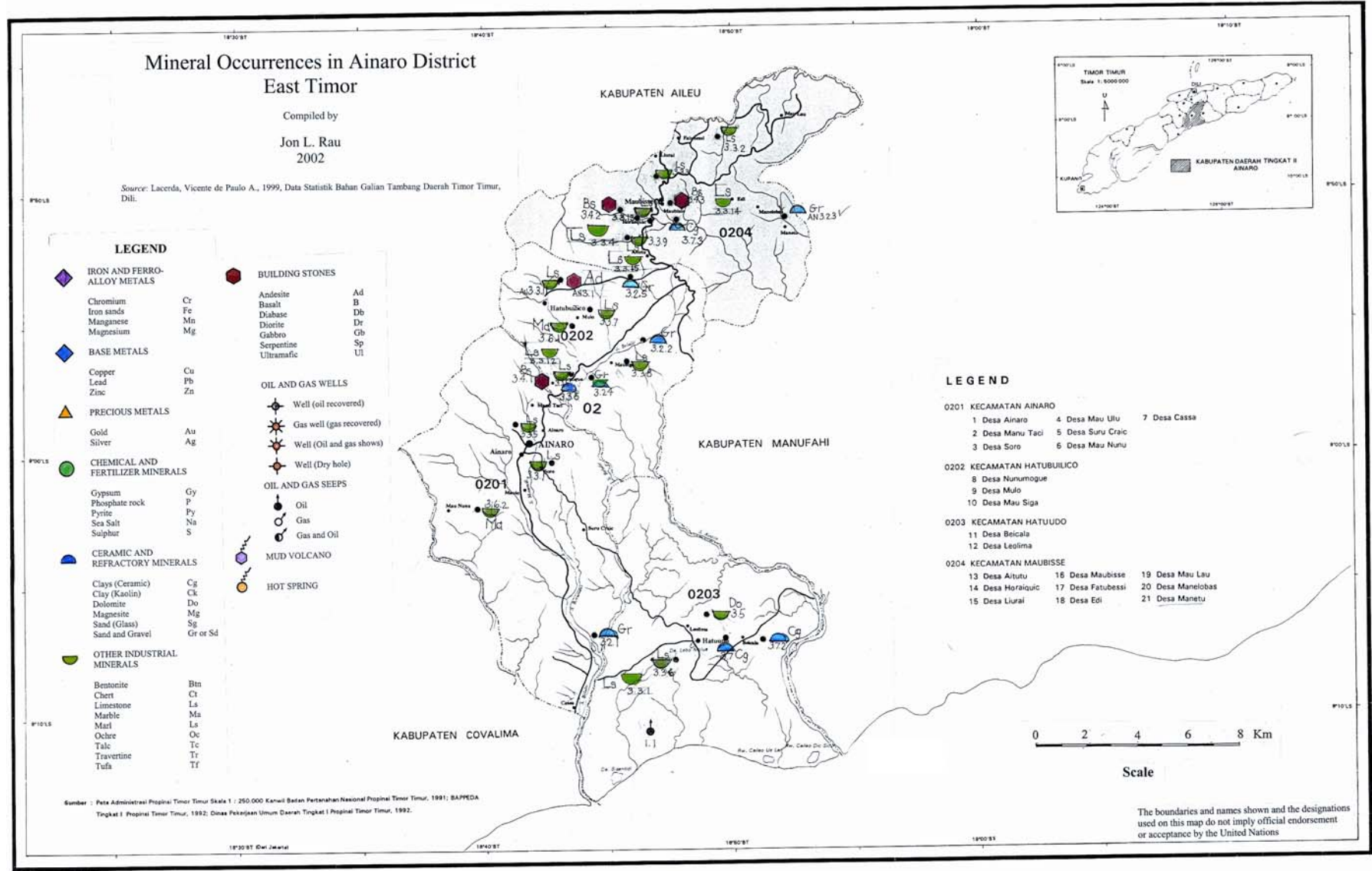


Figure 38. The beach pavement of cobbles at Laca (Baucau District) shows the pebble and cobble sizes that occur as a result of natural beach wash and storm activity.

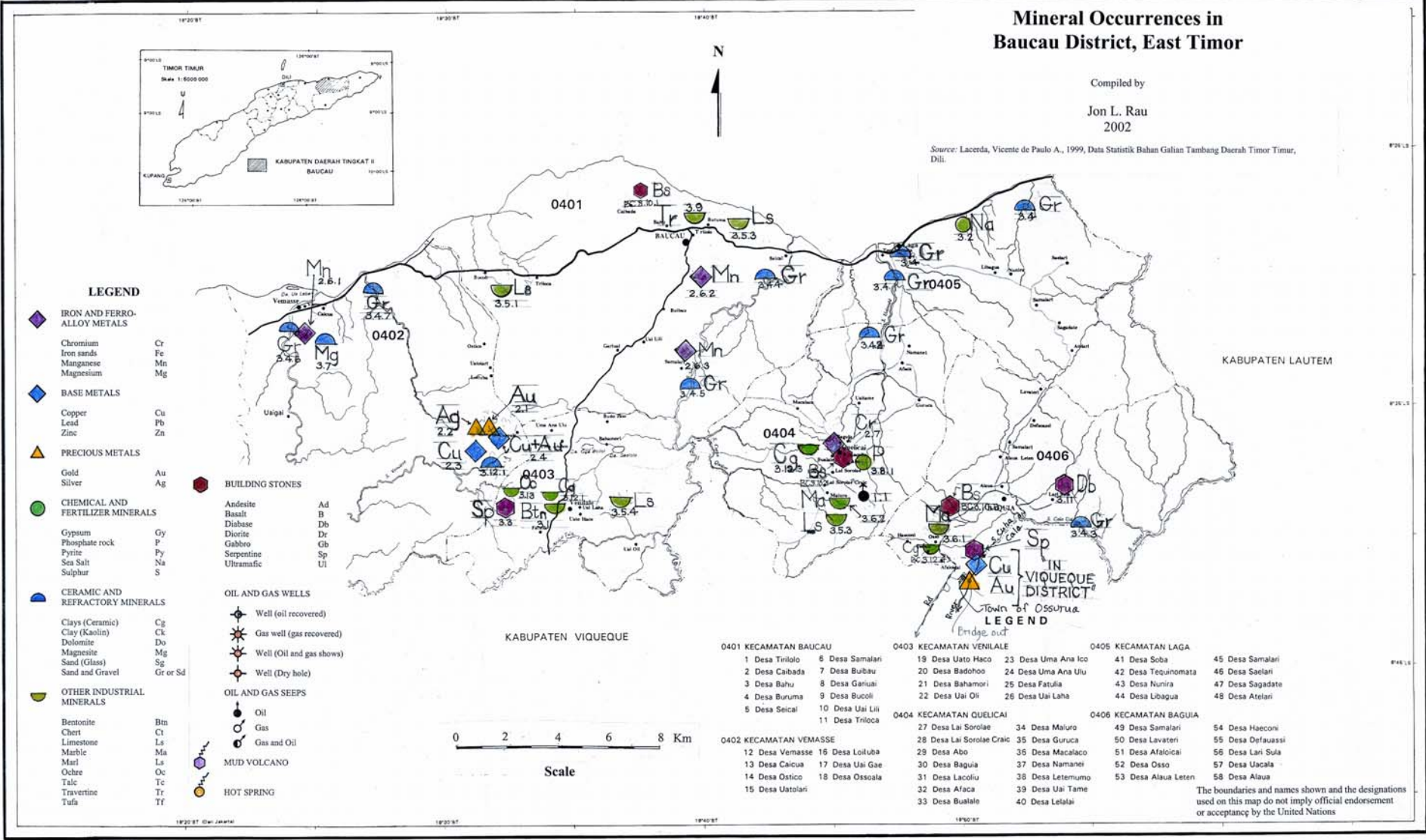
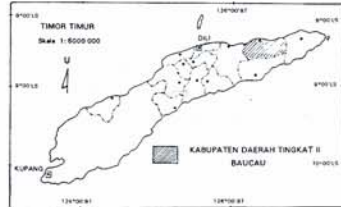




Mineral Occurrences in Baucau District, East Timor

Compiled by
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Source: Lacerda, Vicente de Paulo A., 1999, Data Statistik Bahan Galian Tambang Daerah Timor Timur, Dili.

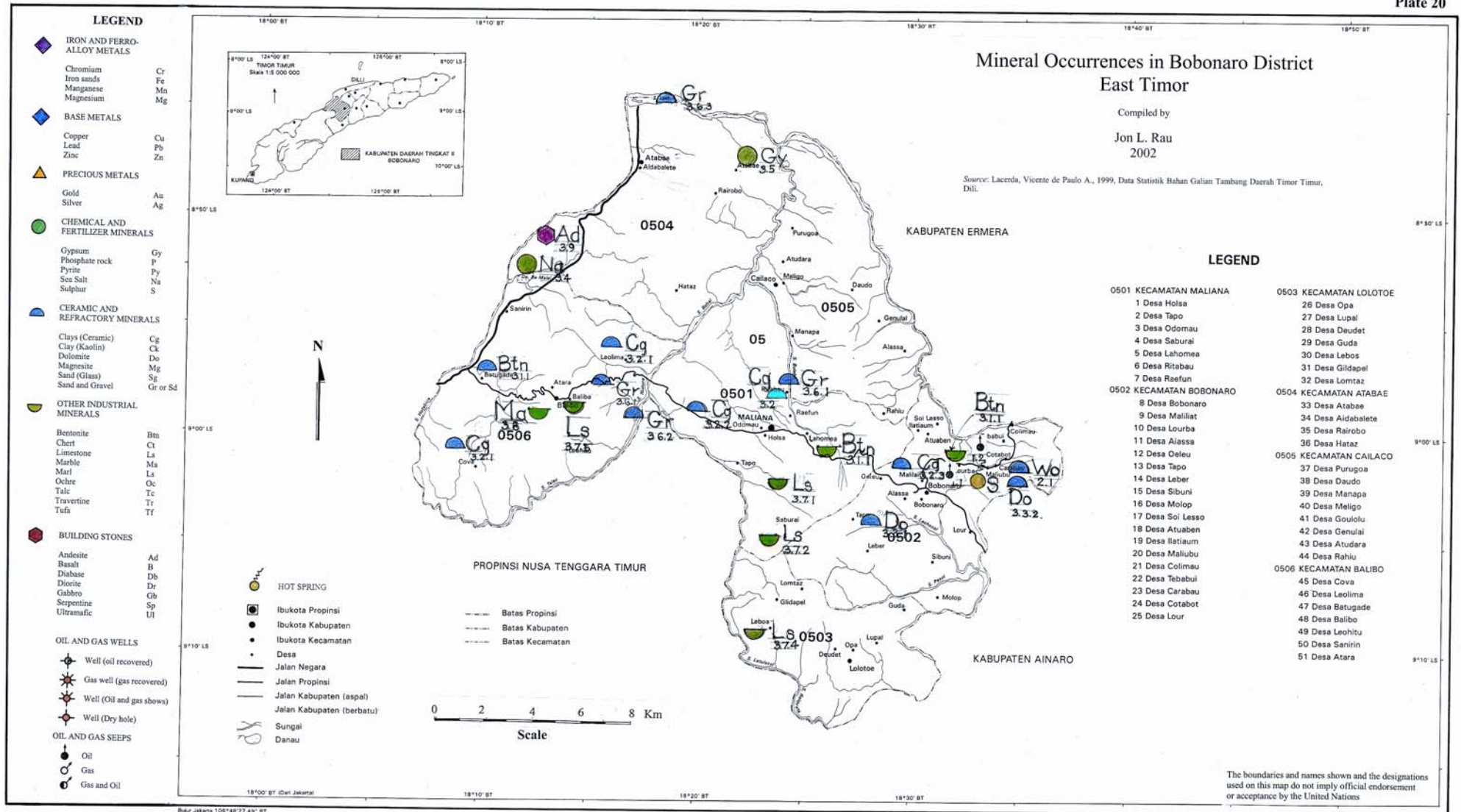


- LEGEND**
- ◆ IRON AND FERRO-ALLOY METALS
 - Chromium Cr
 - Iron sands Fe
 - Manganese Mn
 - Magnesium Mg
 - ◆ BASE METALS
 - Copper Cu
 - Lead Pb
 - Zinc Zn
 - ▲ PRECIOUS METALS
 - Gold Au
 - Silver Ag
 - CHEMICAL AND FERTILIZER MINERALS
 - Gypsum Gy
 - Phosphate rock P
 - Pyrite Py
 - Sea Salt Na
 - Sulphur S
 - ◐ CERAMIC AND REFRACTORY MINERALS
 - Clays (Ceramic) Cg
 - Clay (Kaolin) CK
 - Dolomite Do
 - Magnesite Mg
 - Sand (Glass) Sg
 - Sand and Gravel Gr or Sd
 - ◑ OTHER INDUSTRIAL MINERALS
 - Bentonite Btn
 - Chert Ct
 - Limestone Ls
 - Marble Ma
 - Marl Ms
 - Ochre Oc
 - Talc Tc
 - Travertine Tr
 - Tufa Tf

- BUILDING STONES**
- Andesite Ad
 - Basalt B
 - Diabase Db
 - Diorite D
 - Gabbro Gb
 - Serpentine Sp
 - Ultramafic Ui
- OIL AND GAS WELLS**
- Well (oil recovered)
 - Gas well (gas recovered)
 - Well (Oil and gas shows)
 - Well (Dry hole)
- OIL AND GAS SEEPS**
- Oil
 - Gas
 - Gas and Oil
- MUD VOLCANO**
-
- HOT SPRING**
-

- | | | |
|-------------------------------|--------------------------------|------------------------------|
| 0401 KECAMATAN BAUCAU | 0403 KECAMATAN VENILALE | 0405 KECAMATAN LAGA |
| 1 Desa Tirilolo | 19 Desa Uato Haco | 41 Desa Soba |
| 2 Desa Caibada | 20 Desa Badohoo | 42 Desa Tequinomata |
| 3 Desa Bahu | 21 Desa Bahamori | 43 Desa Nunira |
| 4 Desa Buruma | 22 Desa Uai Oli | 44 Desa Libagua |
| 5 Desa Seical | 10 Desa Uai Lili | 45 Desa Samatari |
| | 11 Desa Triloca | 46 Desa Saclari |
| 0402 KECAMATAN VEMASSE | 0404 KECAMATAN QUELICAI | 0406 KECAMATAN BAGUIA |
| 12 Desa Vemasse | 27 Desa Lai Sorolae | 49 Desa Samatari |
| 13 Desa Caica | 28 Desa Lai Sorolae Craic | 50 Desa Lavateri |
| 14 Desa Ostico | 29 Desa Abo | 51 Desa Afalocai |
| 15 Desa Uatolari | 30 Desa Baguia | 52 Desa Osso |
| | 31 Desa Laculiu | 53 Desa Alaua Leten |
| | 32 Desa Afaca | 54 Desa Haeconi |
| | 33 Desa Buallale | 55 Desa Defauassi |
| | | 56 Desa Lari Sula |
| | | 57 Desa Uacata |
| | | 58 Desa Alaua |
| | | 59 Desa Uai Tame |
| | | 60 Desa Letalai |

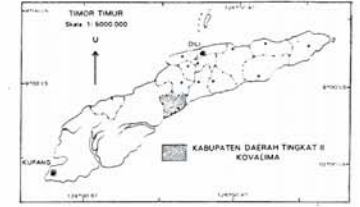
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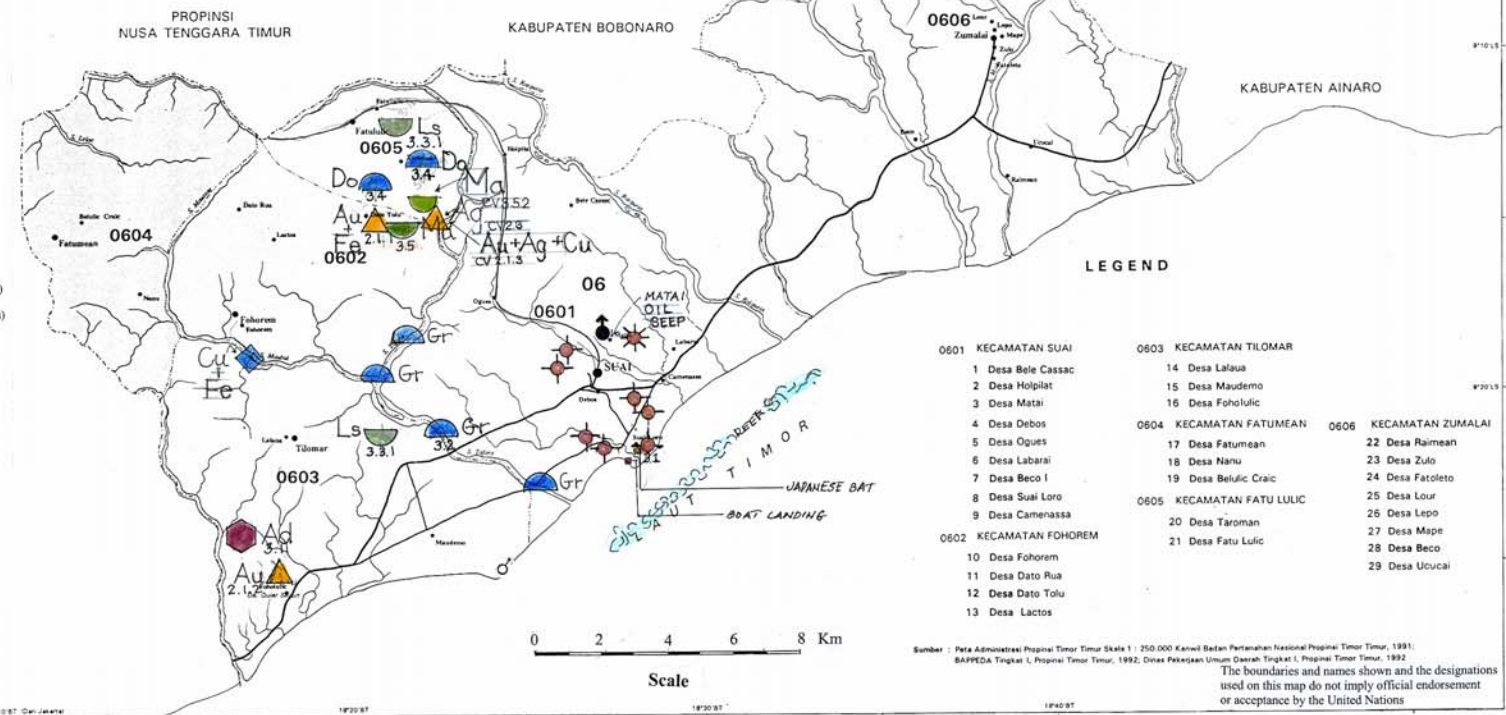
Mineral Occurrences in Covalima District East Timor

Compiled by
Jon L. Rau
2002

Source: Lacerda, Vicente de Paulo A., 1999, Data Statistik Bahan Galian Tambang Daerah Timor Timur, Dili.

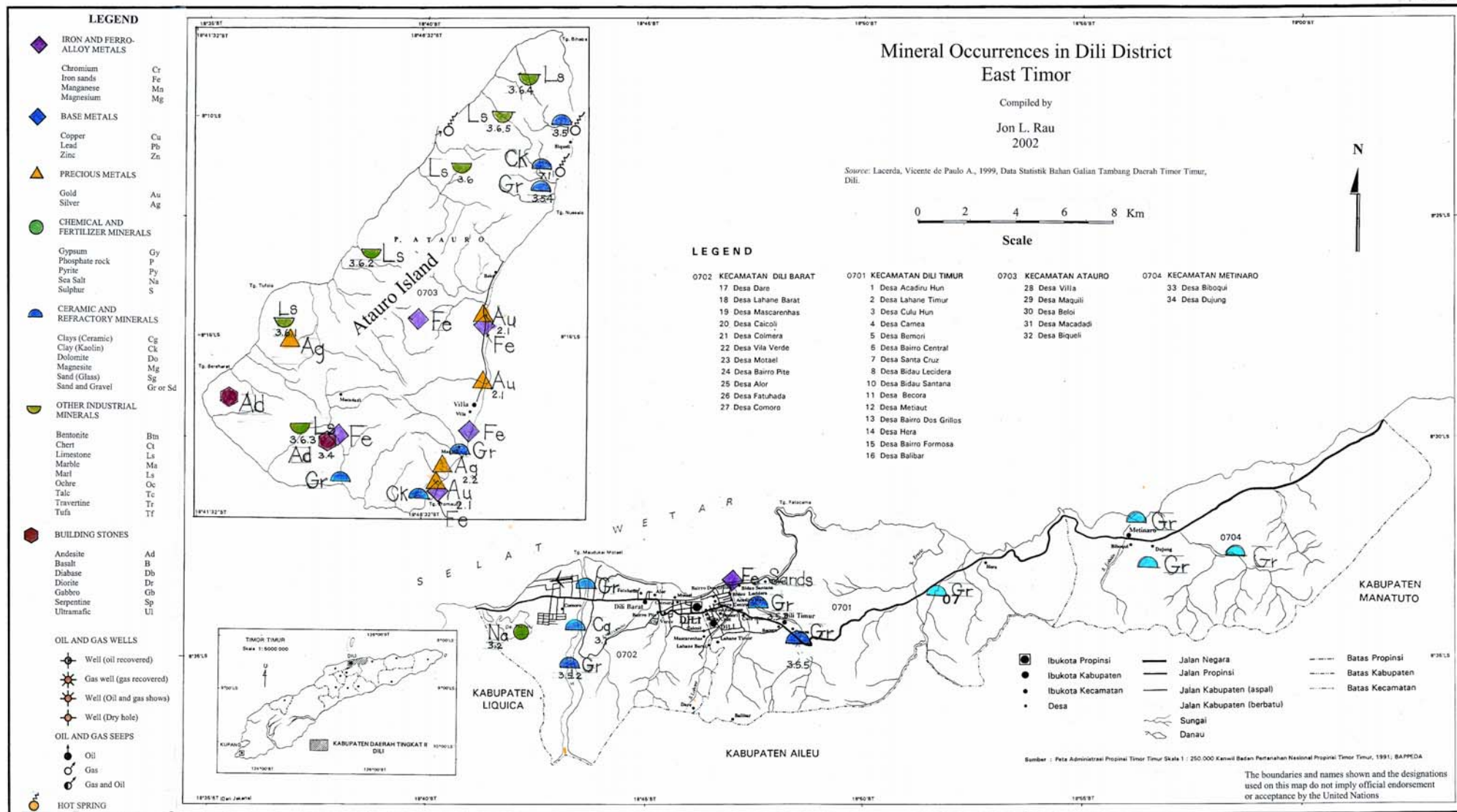


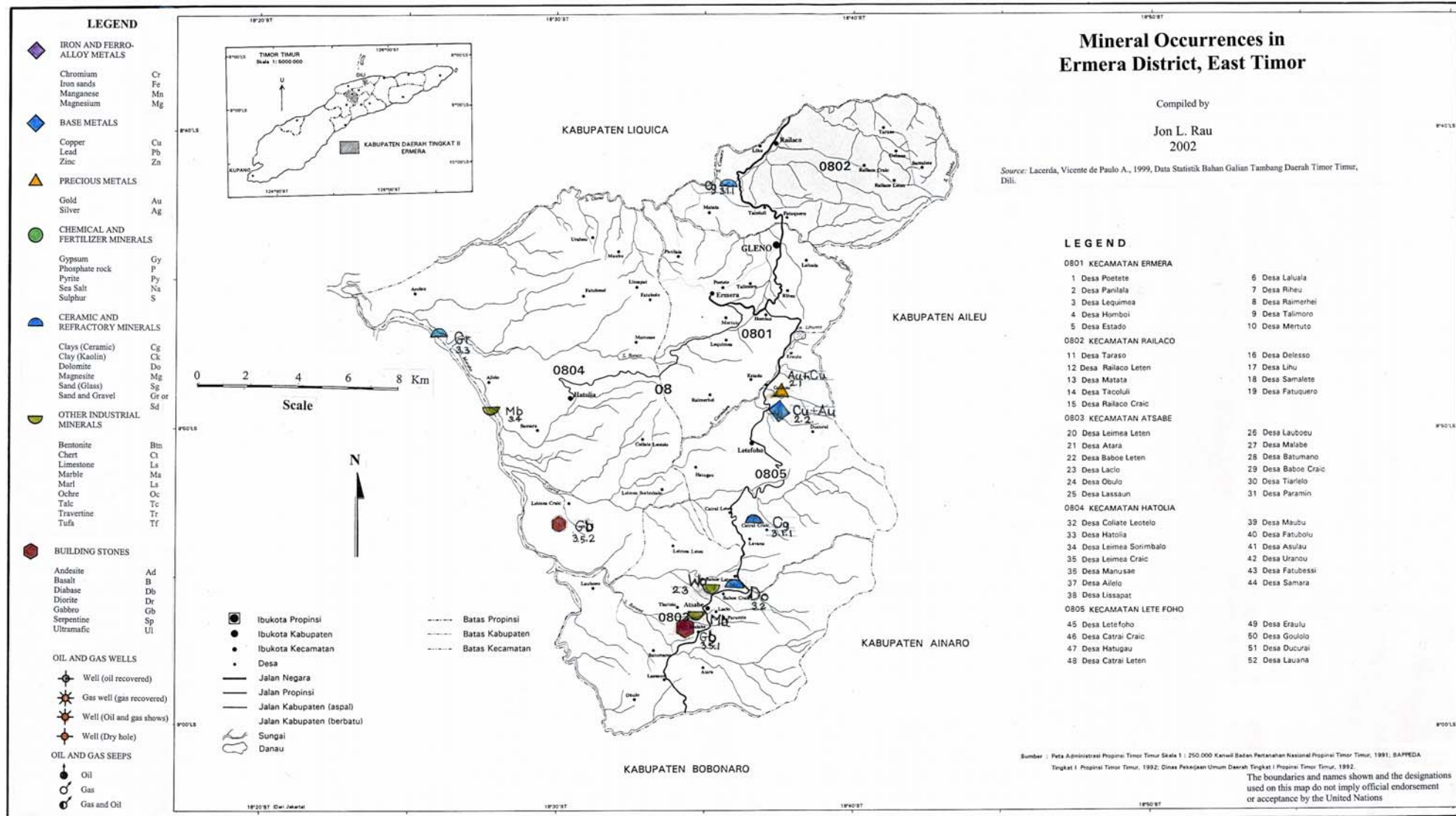
- LEGEND**
- ◆ IRON AND FERRO-ALLOY METALS
 - Chromium Cr
 - Iron sands Fe
 - Manganese Mn
 - Magnesium Mg
 - ◆ BASE METALS
 - Copper Cu
 - Lead Pb
 - Zinc Zn
 - ▲ PRECIOUS METALS
 - Gold Au
 - Silver Ag
 - CHEMICAL AND FERTILIZER MINERALS
 - Gypsum Gy
 - Phosphate rock P
 - Pyrite Py
 - Sea Salt Na
 - Sulphur S
 - ◐ CERAMIC AND REFRACTORY MINERALS
 - Clays (Ceramic) Cg
 - Clay (Kaolin) Ck
 - Dolomite Do
 - Magnetite Mg
 - Sand (Glass) Sg
 - Sand and Gravel Gr or Sd
 - ◑ OTHER INDUSTRIAL MINERALS
 - Bentonite Btm
 - Chert Ct
 - Limestone La
 - Marble Ma
 - Marl Ms
 - Oolite Oc
 - Talc Tc
 - Travertine Tr
 - ◆ BUILDING STONES
 - Andesite Ad
 - Basalt B
 - Diabase Db
 - Diorite Dr
 - Gabbro Gb
 - Serpentine Sp
 - Ultramafic Ul
 - ⊙ OIL AND GAS WELLS
 - Well (oil recovered)
 - Gas well (gas recovered)
 - Well (Oil and gas shows)
 - Well (Dry hole)
 - OIL AND GAS SEEPS
 - Oil
 - Gas
 - Gas and Oil
 - ⊙ MUD VOLCANO
 - ⊙ HOT SPRING

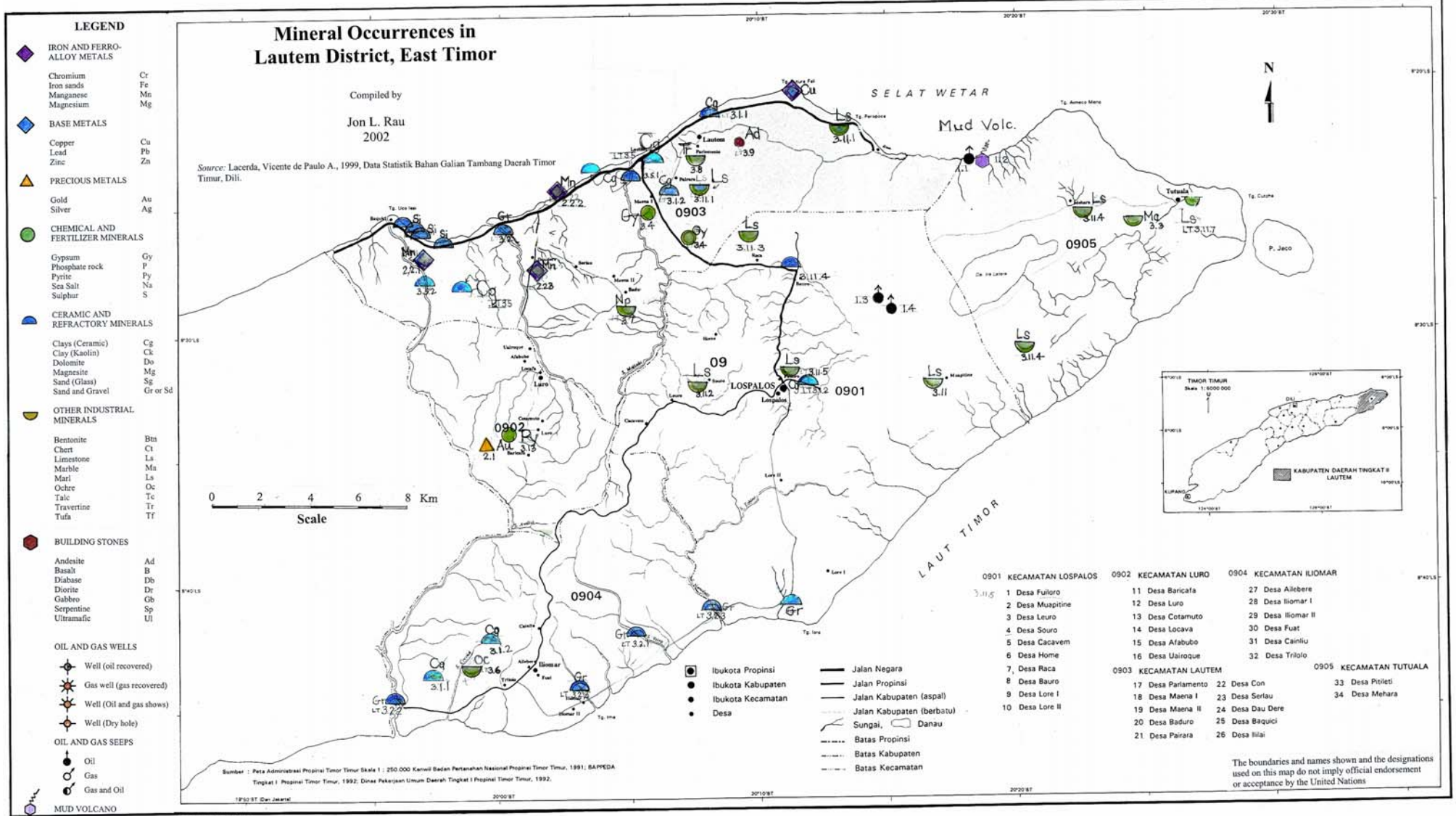


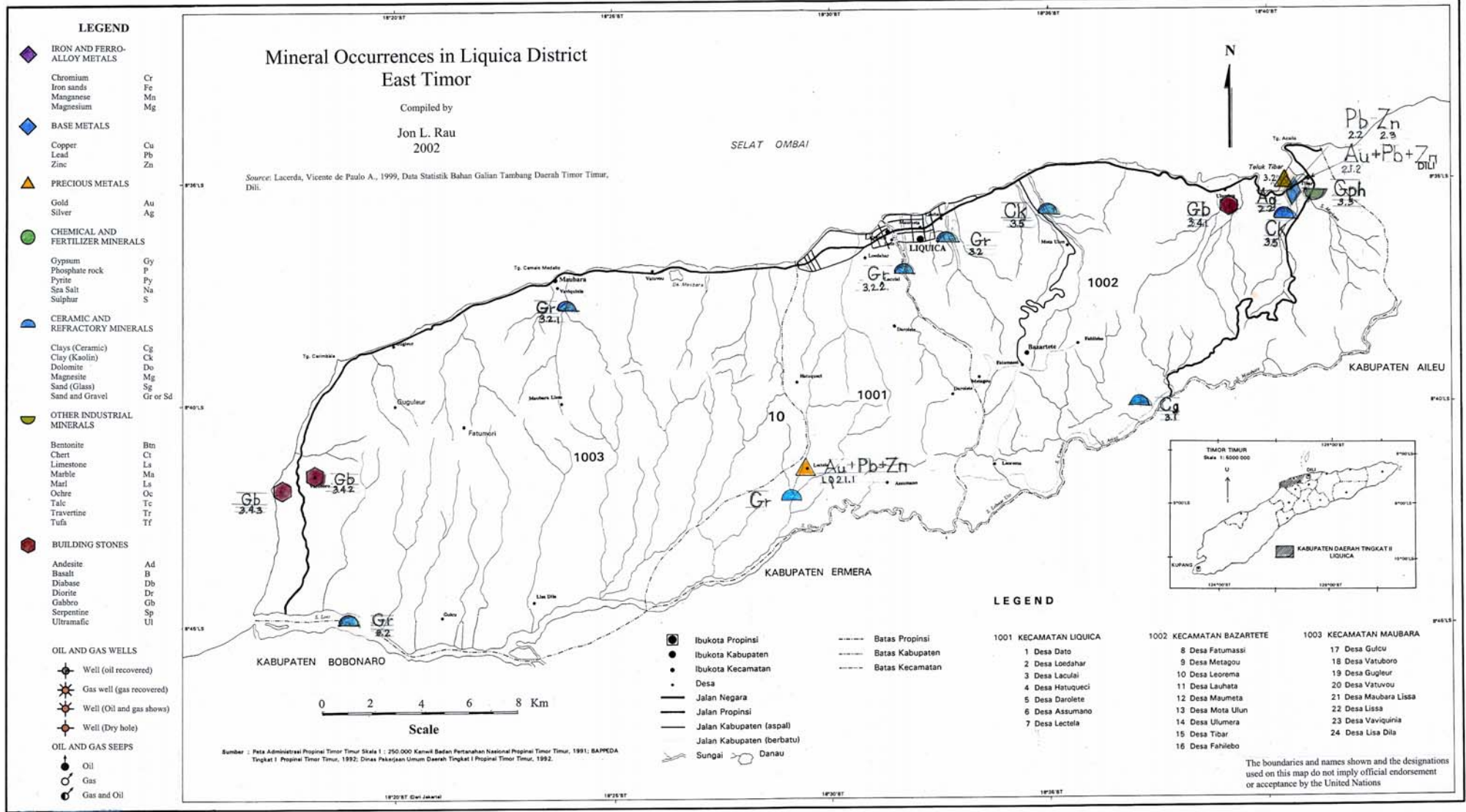
- LEGEND**
- | | | |
|------------------------|---------------------------|------------------------|
| 0601 KECAMATAN SUAI | 0603 KECAMATAN TILOMAR | 0606 KECAMATAN ZUMALAI |
| 1 Desa Bele Cassac | 14 Desa Lalaua | 22 Desa Raimean |
| 2 Desa Holpliat | 15 Desa Maudemo | 23 Desa Zulo |
| 3 Desa Matai | 16 Desa Foholulic | 24 Desa Fatoleto |
| 4 Desa Debos | 0604 KECAMATAN FATUMEAN | 25 Desa Lour |
| 5 Desa Ogues | 17 Desa Fatumean | 26 Desa Lepo |
| 6 Desa Labarai | 18 Desa Nanu | 27 Desa Mape |
| 7 Desa Beco I | 19 Desa Belulic Craic | 28 Desa Beco |
| 8 Desa Suai Loro | 0605 KECAMATAN FATU LULIC | 29 Desa Ucual |
| 9 Desa Camenassa | 20 Desa Taroman | |
| 0602 KECAMATAN FOHOREM | 21 Desa Fatu Lulic | |
| 10 Desa Fohorem | | |
| 11 Desa Dato Rua | | |
| 12 Desa Dato Tolu | | |
| 13 Desa Lactos | | |

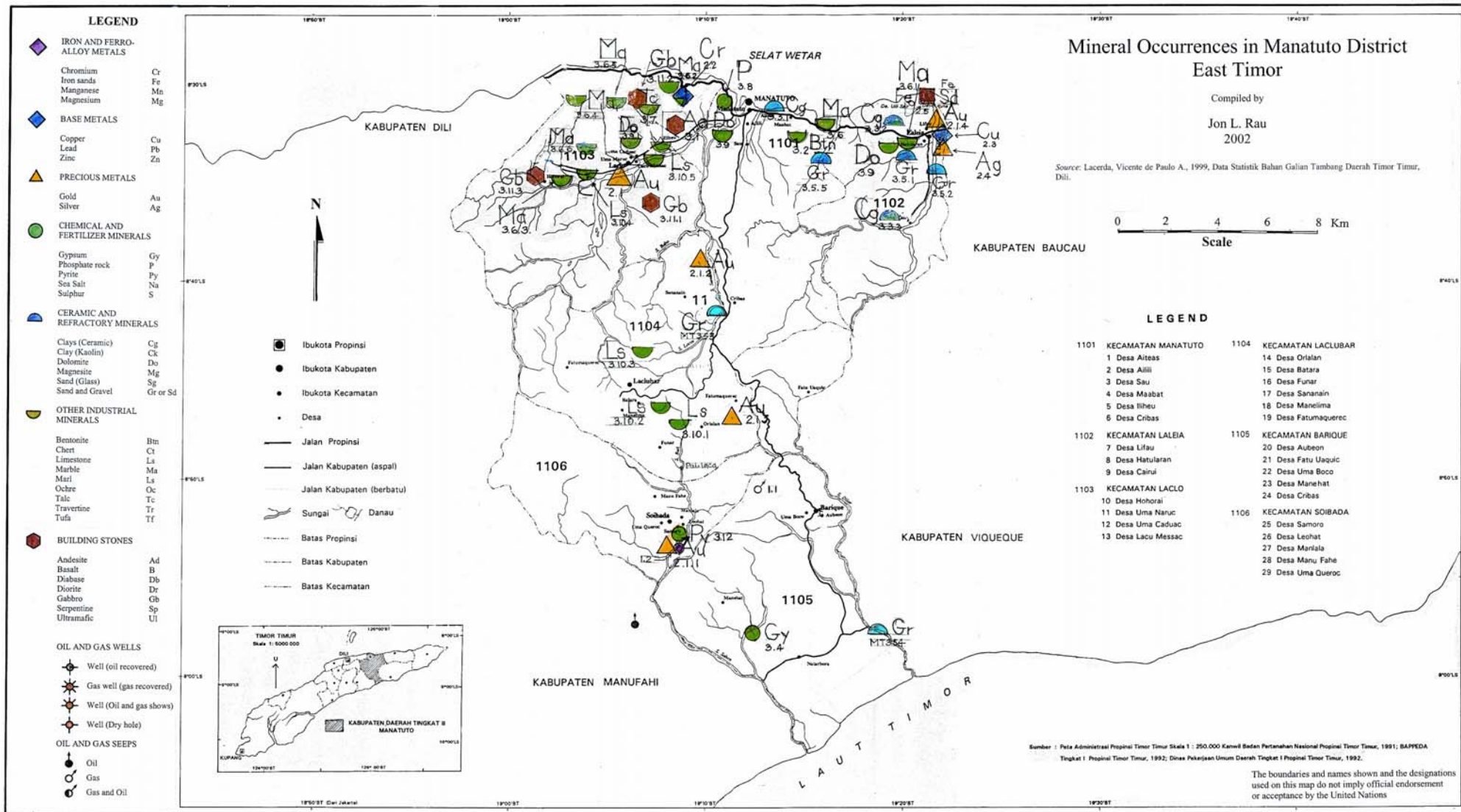
Sumber : Peta Administrasi Propinsi Timor Timur Skala 1 : 250.000 Karwil Badan Pertanahan Nasional Propinsi Timor Timur, 1991.
BAPPEDA Tingkat I, Propinsi Timor Timur, 1992. Data Peta Jalan Umum Daerah Tingkat I, Propinsi Timor Timur, 1992.
The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations

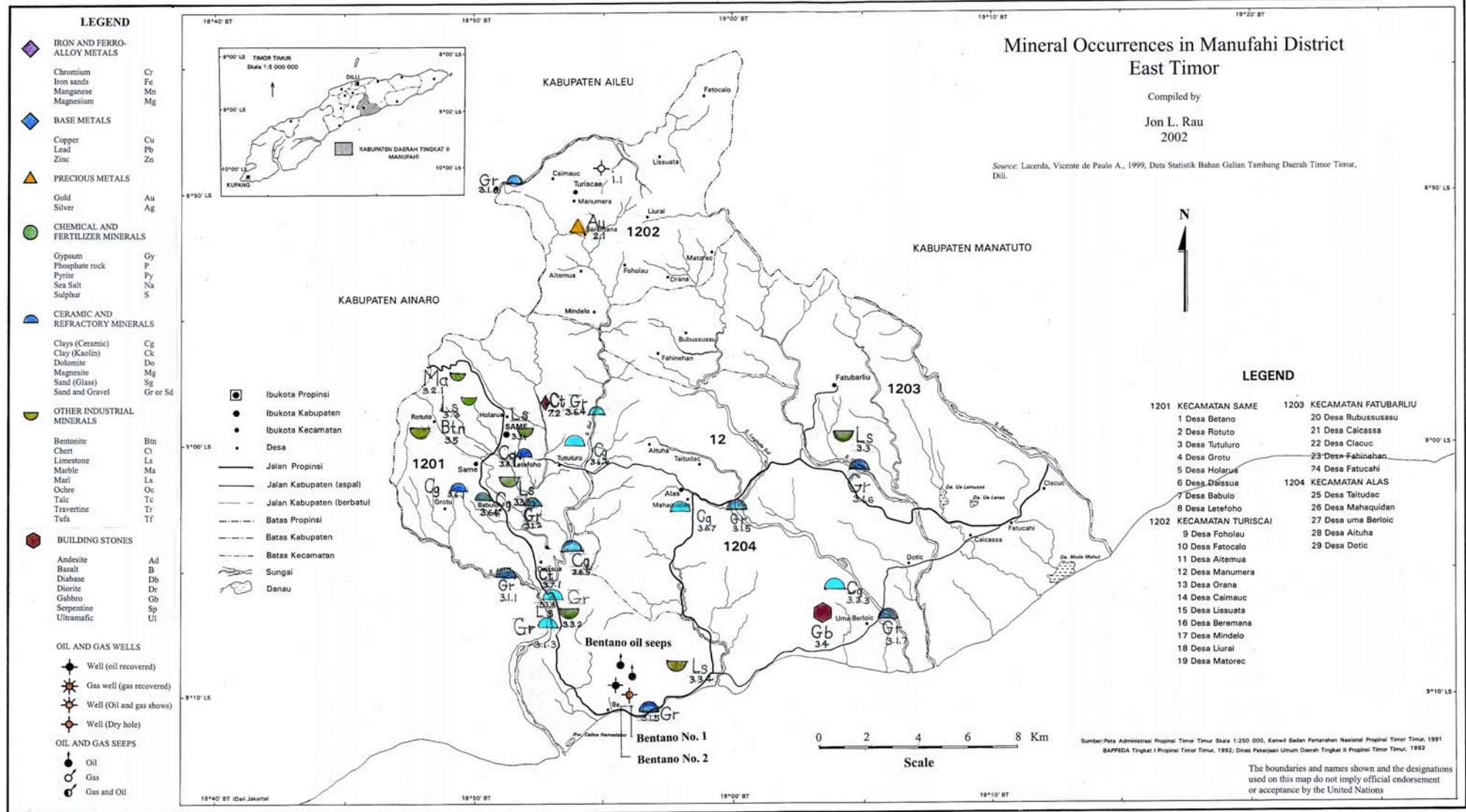












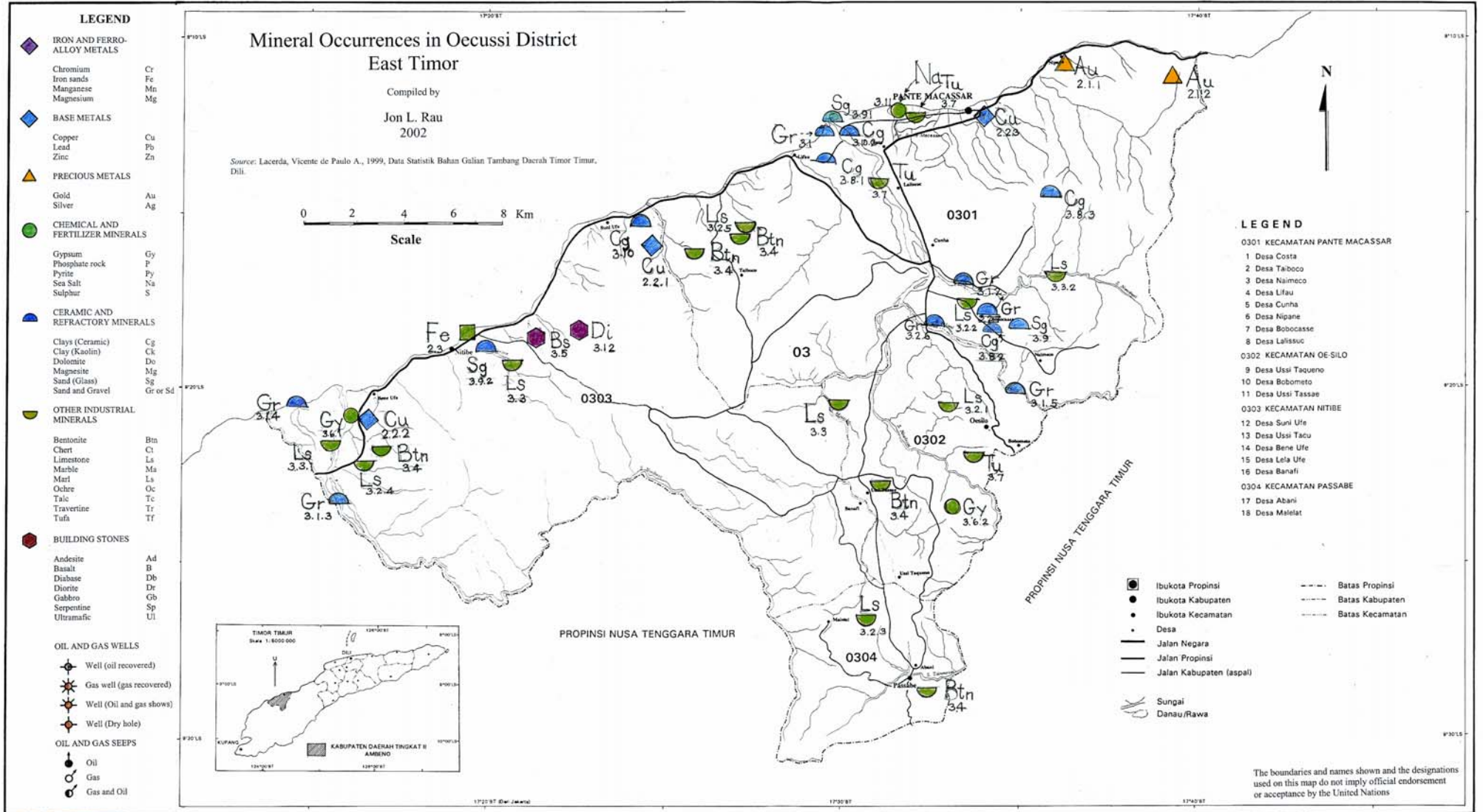




Figure 29. P.J. Bakker examines an outcrop of the Bobonaro Scaly Clay about 3 km southwest of Luro (Lautem District). The locality was reported to have a gold occurrence but the mission only discovered abundant pyrite.



Figure 30. The Bobonaro Scaly Clay shows a high degree of fissility, which gives the clay a “scaly” appearance. A large variety of rock types occur as exotic blocks in this terane, which is spread over most of East Timor.

Part VIII.

Mineral Database Tables



Figure 40a. Marble blocks quarried from an outcrop above this point are strewn over a hillside in Manatuto District. The marble is good quality and was probably quarried in the early to mid-1990s. The abandoned quarry is located just off the north coast highway about half way between Dili and Manatuto. The Timor Sea is in the background.

Table 1. Copper-gold database in East Timor.

Map reference number	Latitude E	Longitude S	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (per cent)
AB-2.2.1	9 15' 57"	124 13' 55"	Copper	Pante Nitibe	Bihala Bobokase Bauknanan				Indication
BC-2.3.1	8 36' 25"	126 19' 06"	Copper and Gold	Vemasse		Ossuala			0.7-11.4 gr/ton
BC-2.4.1	8 35' 36"	126 19' 06"	Copper and Gold			Ossuala			Indication
CV-2.1.3	9 14' 25"	125 10' 55"	Copper, Gold and Silver	Fatu Lulic	Fatu Lulic		Maubui		Indication
CV-2.2	9 18' 25"	125 05' 52"	Copper, Iron and Gold	Fatu Mean			Maubui		Indication
EM-2.2	8 49' 06"	125 26' 28"	Copper and Gold	Lete Foho					Indication
MT-2.5.1	8 30' 00"	126 26' 02"	Copper				Laleia		Indication
VQ-2.2.1	8 45' 40"	126 21' 49"	Copper and Gold	Ossu	3.5 km E. of Bacai near Ossurua	Eastern ext of Ossu Mtn. ultramafics		Massive sulfide in large ultramafic boulders at base of Hillside on E. side of village near river	10 per cent Cu with Au up to 10 gr/ton
VQ-2.2.2	8 48' 00"	126 16' 30"		Lacluta					
VQ-2.2.3	8 55' 05"	126 17' 03"					UeTuco		

Table 2. Gold database for East Timor.

Map reference number	Latitude East	Longitude South	Resource	Subdistrict.	Village	Mountain	River	Potential (g/t)
AB-2.1.1.	9 10' 33"	124 24' 57"	Gold			Noemeto, Tanjung Luban Batu, Nifane		Indication
AB-2.1.2	9 13' 06"	124 26' 19"	Gold			Mumbal		
BC-2.1.1	8 35' 36"	126 19' 38"	Gold	Vermasse				2.85-3 gr/ton
CV-2.1.1	9 14' 28"	125 10' 58"	Gold,	Fatu Lulic	Dato Tolu			Indication
CV-2.1.2	9 26' 11"	125 05' 44"	Gold	Tilomar	Foho Lulic			Indication
CV-2.1.3	9 14' 36"	125 10' 55"	Gold, Copper and Silver	Fatu Lulic	Fatu Lulic			Indication
DL-2.2.1	8 13' 08"	124 36' 25"	Gold	Atauro			Tanjung Eranmuco	Indication
DL-2.2.2	8 17' 02"	125 35' 03"	Gold	Atauro			Beach (?)	Indication
DL-2.2.3			Gold	Atauro			Beach (?)	Indication
EM-2.1	8 47' 52"	125 26' 36"	Gold and Copper	Letefoho			Gulolo	Indication
LQ-2.1.1	8 41' 44"	125 18' 57"	Gold, Lead and Zinc	Liquica	Lectela			Indication
LQ-2.1.2	8 19' 14"	125 28' 47"	Gold, Lead and Zinc	Bazartete	Pantul Tibar			Indication
LQ-2.1.3	8 38' 03"	125 28' 55"	Gold	Liquica	Kialeulema			Indication
LT-2.2.	8 33' 25"	126 49' 30"	Gold	Luro	Ossalio			Indication
LQ-2.1	8 38' 03"	125 19' 55"	Gold	Liquisa Bazartele	Aeotele Pantai Tibar			Indication

MT-2.1.1	8 46' 14"	125 59' 36"	Gold	Soibada	Diatuto			0.5 gr/ton
MT-2.1.2	8 37' 55"	125 58' 38"	Gold	Laclo	Daerah			0.5 gr/ton
MT-2.1.3	8 46' 14"	125 59' 36"	Gold				Ui Bairac	0.5 gr/ton
MT-2.1.4	8 34' 14"	125 54' 00"	Gold	Laclo			Sumase	0.5 gr/ton
MF-2.1.1	8 50' 44"	125 42' 17"	Gold	Turiscail	Daerah Manufahi	Daerah Manufahi		107 gr /ton 75 gr/ton
VQ-2.1.1	8 45' 57"	126 24' 33"	Gold and Silver	Ossu				Ag 3,968 gr/ton
VQ-2.1.2	8 46' 38"	126 00' 00"	Gold	Lacluta				Indication
VQ-2.1.3	8 53' 44"	126 17' 52"	Gold				UeTuco	Indication

Table 3. Silver database for East Timor.

Map reference number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River or Beach	Potential (g/ton)
BC-2.2.1	8 35' 03"	126 18' 11"	Silver and Gold	Vemasse				490-560 g/ton
CV-2.3	9 14' 28"	125 10' 58"	Silver, Gold and Copper	Fatu Lulic	Fatu Lulic			Indication
DL-2.3.1	8 14' 28"	125 32' 03"	Silver	Atauro			Conifasi beach	Indication
VQ-2.3.1	8 44 28	126 26 52	Silver	Ossu				73,025 gr/ton

Table 4. Chromite database for East Timor

Map reference number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (per cent) and Note
BC-2.7.1	8 35 44	125 33 08	Chromite	Quelicalai					Cr ₂ O ₃ – 36.4% and 51.3%
MT-2.4.1	8 29 55	125 56 30	Chromite	Laclo	Hilimanu Umakaduak	Ossu		Ultramafics - Serpentinite	Cr ₂ O ₃ – 36.4% and 49.6%

Table 5. Iron sand database for East Timor.

Map reference number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River or Beach	Geology	Potential (cu m)
AB-2.3.1	9 17' 52"	124 07' 55"	Iron sand		Nitibe		Ambeno beach	Quaternary mineral sand	Indication
DL-2.3.1	8 13' 38"	125 36' 25"	Iron sand	Atauro	Biqueli Maqili		Tanjung Eraumoco beach	Quaternary mineral sand	Indication
DL-2.3.2	8 13' 38"	125 35' 11"	Iron sand	Atauro					
DL-2.3.3	8 16' 22"	125 33' 00"	Iron sand	Atauro					

Table 6. Manganese database for East Timor.

Map reference number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
BC-2.6.1	8 33' 25"	126 10' 14"	Manganese	Vemasse	1 km south of Vemasse				Large deposit of pyrolusite; assessed by Japanese in 1980s; 100m (?) x 10 m x 500 m (?)
BC-2.6.2	8 29' 19"	126 27' 58"	Manganese	Baucau	Bulbau				Indication
BC-2.6.3	8 32' 44"	126 27' 58"	Manganese	Baucau	Samalari				Indication
DL-2.4	8 16' 22"	125 33' 00"	Manganese	Atauro	Maqueli				Indication
LT-2.2.1	8 34 ' 05"	126 49' 30"	Manganese	Luro	Daudere				Indication
LT-2.2.2	8 27 ' 17"	126 49' 22"	Manganese	Luro	Baiihoman Puno				Indication
LT-2.2.3	8 26 ' 11"	126 00' 00"	Manganese	Luro	Laivai, Halai				Indication
VQ-2.4	8 45' 40"	126 25' 47"	Manganese	Uatacarbau					Indication

Table 7. Limestone database for East Timor.

Map reference number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
AN-3.3.1	9 08 52	125 33 41	Ls	Hato Udo	Fahoilako			Pmu	Indication
AN-3.3.2	8 48 16	125 38 53	Ls	Hatubulico	Manutaci			Pmu	15 000 000
AN-3.3.3	8 48 41	125 36 00	Ls	Maubisse	Daerah Mabuno Mau Fatubesi			Pmu	1 650 520 432
AN-3.3.4	8 51 41	125 33 25	Ls	Hatu Udo	Maubissi Utara	Balibo		Pmu	1 884 193 668
AN-3.3.5	8 58 30	125 30 41	Ls	Hatu Udo		Osabo		Pmu	378 000 000
AN-3.3.6	9 08 11	125 35 11	Ls	Hatu Udo		Foho Olica		Pmu	1 969 006 034
AN-3.3.7	8 54 00	125 33 41	Ls	Ainaro	Ainaro			Pmu	1 293 731 115
AN-3.3.8	8 56 44	125 35 52	Ls	Ainaro	Soro	Ainaro		Pmu	10 024 303 492
AN-3.3.9	8 51 57	125 35 03	Ls	Haubuilico	Nunumogue			Pmu	249 602 922
AN-3.3.10	8 52 38	125 33 49	Ls	Hatubuilico	Mulo			Pmu	8 296 632 733
AN-3.3.11	8 52 47	125 31 46	Ls	Hatubuilico	Manuxigue			Pmu	12 057 502 400
AN-3.3.12	8 55 38	125 31 30	Ls	Maubisse	Hororaikik			Pmu	239 095 877
AN-3.3.13	8 49 44	125 34 46	Ls	Maubisse	Edi			Pmu	2 834 960 315
AN-3.3.14	8 50 11	125 39 17	Ls	Maubisse	Aituto			Pmu	6 658 900 455
AL-3.3.1	8 42' 49"	125 34' 05"	La			Hotobaul Colimali Hatoria		Pmu	Indication
AL-3.3.2	8 44' 59"	125 35' 53"	Ls				Berekati	Pmu	2 475 000
AL-3.3.3	8 45' 17"	125 34' 46"	Ls				Manu Fahihum	Pmu	
AL-3.3.4	8 46' 53"	125 37' 12"	Ls				Manefone	Pmu	

AB-3.1.1	9 02' 52"	124 27' 41"	Ls	Magisiao		Sainerao Puas Buna Lasho	Saineerao Puas	n.d.	15 000 000
AB-3.1.3	9 22' 14"	124 04' 22"	Ls						
AB-3.1.4	9 20' 03"	124 04' 38"	Ls						
BC-3.5.1	8 30' 00"	126 21' 00"	Ls	Baucau	Bucoi				18 000 000
BC-3.5.2	8 42' 41"	126 32' 03"	Ls	Baucau	Buruma				11 182 500
BC-3.5.3	8 27' 41"	126 29' 28"	Ls	Quilicai	Sama Fano	Liatai			65 625 000
BC-3.5.4	8 38' 19"	126 24' 24"	Ls	Vinilale		Ariana			468 750 000
BC-3.5.5	8 39' 00"	126 17' 44"	Ls						
BB-3.7.1	9 02' 03"	125 12' 41"	Ls	Balibo	Balibo				High
BB-3.7.2	9 04' 22"	125 12' 00"	Ls	Balibo	Subarai	Tapo			
BB-3.7.3	n.d.	n.d.	Ls			Lalo Tapo Abendate			25 289 050
BB-3.7.4	8 58' 38"	125 03' 00"	Ls	Bobonaro		Lesololi			
BB-3.7.5	8 58' 38"	125 02' 52"	Ls	Kailako		Kailako			
BB-3.7.6	n.d.	n.d.	Ls	Maliana	Memo Kee				
BB-3.5.7	n.d.	n.d.	Ls	Atabae	Balibo Tasmil	Marotoi			
BB-3.5.8	n.d.	n.d.	Ls	Atabae	Tasbui				
CV-3.3.1	9 11' 44"	125 08' 52"	Ls	Fohorem	Foholulik				6 250 000
CV-3.3.2	9 20' 44"	125 10' 55"	Ls	Tiliomar			Tafara		271 000 000
DL-3.6.1	8 16' 22"	125 32' 03"	Ls	Atauro	Maqueli Tulol Arlo Dourullina Hatu Akrema Biqueli	Beloi Conrupo Bibiluha Dimanae Urabe Maco			2 660 500 SiO ₂ = 0.4 – 3.77% CaO = 51.21 – 54.68% Mg ₂ O = 0.46 – 2.84%
DL-3.6.2	8 14' 11"	125 31' 46"	Ls						

DL-3.6.3	8 12' 41"	125 33' 57"	Ls						
DL-3.6.4	8 09' 41"	125 36' 49"	Ls						
DL-3.6.5	8 09' 00"	125 37' 14"	Ls						
LT-3.11.1	8 20' 52"	127 02' 09"	Ls	Moro	Com Pairara Puno				65 507 812
LT-3.11.2	8 42' 17"	126 51' 49"	Ls	Luro	Tirilolo	Titiran			9 000 000
LT-3.11.3	8 25' 30"	126 58' 22"	Ls	Lospalos	Soro				750 000
LT-3.11.4	8 24' 17"	127 11' 36"	Ls	Tutuala	Mehara				1 000 000
LT-3.11.5.	8 30' 49"	126 59' 52"	Ls	Lospalos	Asalaino Fuiloro				125 000
LT-3.11.6	8 30' 16"	127 05' 36"	Ls						
LT-3.11.7	8 23' 44"	127 15' 40"	Ls						
LT-3.11.8	8 38' 44"	126 59' 52"	Ls						
LT-3.11.9	8 27' 33"	127 00' 16"	Ls						
MT-3.10.1	8 46' 46"	125 57' 17"	Ls	Laclubar	Orlalan				7 021 250
MF-3.3.1	8 58 14	125 38 11	Ls	Same		Manumet alau Darellau			4 468 750 000
MF-3.3.2	9 06 49	125 42 33	Ls	Same	Fahiluna	Gabblaki Datina			19 968 750 000
MF-3.3.3	9 09 33	125 30 41	Ls	Same	Letefoho				2 024 875 000
MF-3.3.4	9 07 55	125 47 03	Ls	Alas	Berloik	Niguttu Be Susu			1 245 750 000
MF-3.3.5	8 59 03	125 53 52	Ls	Alas	Umaberl oik	Llusi Monouasi Mitutu			481 250 000
MF-3.4.6	9 07 30	125	46L30s	Same		Bandeira Caraulun Loilere Betano			1 311 787 500

MT-3.10.2	8 46 06	125 55' 14"	Ls	Laclubar		Hataderoc			4 250 000
MT-3.10.3	8 43' 22"	125 54' 57"	Ls	Laclubar		Barubi			63 562 500
MT- 3.10.4	8 34' 14"	125 52' 22"	Ls	Laclo	Dili- Manatuto Rd.				4 218 750
MT-3.10.5	n.d.	n.d.	Ls	Laclo	Umacaduac				Indication
VQ-3.1.1	8 41' 52"	126 23' 11"	Ls	Ossu	Ulohau				Indication
VQ-3.1.2	8 42' 49"	126 19' 46"	Ls	Ossu		Mundu Pardido			Indication
VQ-3.1.3	8 44' 36"	126 26' 11"	Ls	Ossu		Ossu Rus			Indication
VQ-3.1.4	8 41' 52"	126 23' 03"	Ls	Ossu	Lariguto				Indication

Table 8. Marble database for East Timor.

Map reference number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain or Hill	River	Geology	Potential (cu m)
AN-3.6.1	8 54 39	125 32 03	Marble		Mulo	Gabiki			Indication
AN-3.6.2	9 03 03	123 38	Marble						
AL-3.4.1	8 37 55	125 43 22	Marble			Hotobolu			Indication
AL-3.4.2	8 35 00	125 50 10	Marble			Colimali			
AL-3.4.3	8 45 08	125 32 44	Marble			Laubere			
AL-3.4.4	8 47 09	125 32 19	Marble			Haboria			
AL-3.4.5	8 42 00	125 42 17	Marble						
BC-3.6.1	8 39 08	126 37 14	Marble	Bauquia	Ossu	Matebean Feto			1 575 000
BC-3.6.2	8 38 11	126 33 08	Marble	Quelicaí	Maluro	Magalsso			4 500 000
BB-3.8.1	8 58 55	125 01 22	Marble	Balibo		Fatue	Gaguegeu		Indication

						Mutin			
BB-3.8.2	9 05 27	125 12 41	Marble						
EM-3.4.1	8 49 14	125 16 38	Marble	Letefoho	Pebukitan				Indication
EM-3.4.2	8 55 55	125 23 11	Marble	Letefoho	Atsabe				
CV-3.5.1	9 14 52	125 09 00	Marble	Fatoholik Fohorem					33 000 000
CV-3.5.2	9 14 03	125 14 28	Marble	Fatululik Fohorem	Datutolu	Taroman Maubara			15 347 500
LT-3.3.1	8 24 33	127 13 14	Marble	Tutuala		Rusili			Indication
MT-3.19.1	8° 28' 45"	125°54' 53"	Marble	Laclo	Dili-Manatuto Rd.				Quarry 1 000 000+
MF-3.2.1	8 56 52	125 37 47	Marble	Same		Kablaki			Indication
VQ-3.2.1	8 52 30	126 20 27	Marble	Ossu					High

Table 9. Marl, Travertine and Tufa database for East Timor.

Database reference no.	Latitude	Longitude	Mineral	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m) and Note
AB-3.7.1	9 12 25	124 21	Tufa	Pante Makassar	Fatsuba				Indication
AB-3.7.2	9 14 28	124 19 46	Tufa	Pante Makasar	Lifura				
BC-3.9.1	8 27 08	126 12 25	Travertine	Baucau	Buruma				Indication
BC-3.16.1 (new)	8 29 30	128 17 30	Marl	Vemasse	Macadai Birwah				3 000 – 10 000 Small quarry USD 7/ton in May 2002
LT-3.8	8 22 38	126 55 14	Travertine	Lautem	Badura				Indication

Table 10. Phosphate database for East Timor.

Map reference no.	Latitude	Longitude	Mineral	Subdistrict.	Village	Mountain	River	Geology	Potential
BC-3.8.1	8 36 17	126 35 03	Phosphate	Quelicai	Abo				P ₂ O ₅ 21.55%
BC-3.8.2	n.d.		Phosphate	Paatal Utara Baucau					P ₂ O ₅ 1.89-5.85% 1 969 tonnes
MT-3.8.1	8 30 08	125 59 36	Phosphate	Seldtar Jalan Manatuto-Laleia (Km 2)					Indication
MT-3.8.2	8 52 30	125 56 44	Phosphate						

Table 11. Clay database for East Timor.

Map reference no.	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain or hill	River	Fm	Potential (cu m)
AN-3.7.1	9 06 47	125 51 32	Clay	Hatu Udo	Leolima				1 443 849 151
AN-3.7.2	9 04 30	125 55 36	Clay	Hatu Udo	Beikala				297 857 922
AN-3.7.3	8 49 13	125 51 32	Clay	Ainaro	Maunurmo				401 558 464
AN-3.7.4	n.d.	n.d.	Clay	Maubisse	Maubisse				1 350 000
AL-2.2.1	8 44 03	125 32 19	Clay	Aileu	Aileu				High
AI-2.2.2	8 44 19	125 33 25	Clay	Aileu	Aileu				523 100 000
AB-3.8.1	9 13 22	124 18 00	Clay		Bihala Bobokase				75 000
AB-3.8.2	9 18 00	124 22 55	Clay	Pante Makassar	Nukano	Lereng			24 000
AB-3.8.3	9 14 11	124 24 57	Clay	Pante Makassar	Naimeko				162 000
BB-3.2.1	8 59 50	124 58 06	Clay	Tunu Bibi Balibo	Malian Cova Leolima				High
BB-3.2.2	8 58 14	125 08 36	Clay	Bobonaro	Malilait Memo		Lohoman		917 635 000
BB-3.2.3	9 00 32	125 17 52	Clay	Lebo Ballibo	Maliana Lolotoe				High
DL-3.6.1	8 34 14	125 32 52	Clay	Dili Barat	Comoro				6 250 000
EM-3.1.1	8 41 19	125 23 52	Clay	Raiklako	Mota Hare				High

EM-3.1.2	8 46 06	125 26 03	Clay	Letefoho Tanjung Earumoco	Ketra Kraik					High
LT-3.1.1	8 42 41	126 45 27		Lautem	Ililai	Palrara				High
LT-3.1.2	8 42 03	126 48 33		Illiomar	Badura					

Table 12. Sand and gravel database for East Timor.

Map reference number	Latitude E	Longitude S	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
AN-2.2.1	9 04 30	125 32 44	Sd, gvl	Ainaro			Burumo	Quaternary	16 000 000
AN-2.2.2	8 55 14	125 36 17	Sd, gvl	Ainaro			Belulik	Quaternary	26 000 000
AN-2.2.3	8 50 52	125 40 14	Sd, gvl	Maubisse	Maneta			Quaternary	3 162 654 684
AN-2.2.4	8 56 52	125 33 08	Sd, gvl	Maubisse	Aituto			Quaternary	269 874 604
AN-2.2.5	8 52 55	125 34 40	Sd, gvl	Maubisse	Nunumigu e			Quaternary	856 298 101
AL-3.3.1	8 42 49	125 34 05	Sd, gvl	Aileu	Daisoli		Eramata	Quaternary	High
AL-3.3.2	8 44 59	125 35 52	Sd, gvl	Aileu	Nosi		Eramata	Quaternary	High
AL-3.3.3	8 45 17	125 34 46	Sd, gvl	Aileu					
AL-3.3.4	8 46 53	125 37 12	Sd, gvl				Berecati		2 475 030
AL-3.3.5	8 44 35	125 40 04	Sd, gvl				Manufanihu m		
AL-3.3.6	8 47 19	125 35 52	Sd, gvl				Manofone		
AB-3.1.1	9 02 52	124 27 41	Sd, gvl				Tono, Bilomi, Barata, Colo	Quaternary	High
AB-3.4.2	9 16 38	124 21 49	Sd, gvl		Besai		Tono	Quaternary	High

CV-3.2.1	9 20 27	125 10 55	Sd, gvl	Tiliomar			Tafara	Quaternary	4 100 000
CV-3.2.1	9 18 57	125 08 52	Sd, gvl						
CV-3.2.3	9 18 08	25 09 33	Sd, gvl						
CV-3.2.4	9 21 57	125 13 30	Sd, gvl		-+				
DL-3.5.1	8 16 55	125 36 00	Sd, gvl	Atauro	Pala Biqueli		Lau Beloi	Quaternary	31 325 000
DL-3.5.2	8 33 25	125 31 55	Sd, gvl	West Dili			Comoro	Quaternary	2 400 000
DL-3.5.3	8 33 25	125 31 55	Sd, gvl	Dili Timur	Santana Becora		Bemori Benama Ue	Quaternary	315 000
DL-3.5.4	8 17 27	125 33 16	Sd, gvl	Atauro	Biqueli Arlo Douru			Quaternary	82 500
DL-3.5.5	8 33 29	125 31 55	Sd, gvl						
EM-3.3.1	8 44 44	125 11 19	Sd, gvl	Hatolia			Marobo	Quaternary	High
LT-3.2.1	8 24 57	126	48S25d, gvl				Namanutuda n Irabere	Quaternary	High
LT-3.2.2	8 44 03	126 44 11	Sd, gvl				Laivai Iliomar Baura	Quaternary	n.d.
LT-3.2.3	8 43 55	126 51 33	Sd, gvl	Iliomar	Massosio Miara		Corolai Lihua Nabere	Quaternary	800 000
LT-3.2.4	8 24 57	126 49 55	Sd, gvl				Tehino Ndamaluhu	Quaternary	50 000
LT-3.2.5	n.d.	n.d.	Sd, gvl	Lautem			Raumoco Laivai	Quaternary	1 200 000
LT-3.2.6	n.d.	n.d.	Sd, gvl						
LT-3.2.7	n.d.	n.d.	Sd, gvl						
LT-3.2.8	8 40 47	126 57 00	Sd, gvl						
LT-3.2.9	8 40 47	127 00 00	Sd, gvl						

LT-3.2.10	8 26 28	127 00 26	Sd, gvl						
LQ-3.2.1	8 37 06	125 12 58	Sd, gvl	Liquisa Mubara Loes			Usngai DI	Quaternary	24 049 000
LQ-3.2.2	8 36 17	125 20 11	Sd, gvl						
MF-3.1.1	9 04 22	125 39 57	Sd, gvl	Same			Aiassa	Quaternary	2 012 000
MF-3.1.2	9 01 14	125 40 14	Sd, gvl	Same			Abata	Quaternary	236 250
MF-3.1.3	9 07 47	125 39 57	Sd, gvl	Same			Koloko	Quaternary	147 800
MF-3.1.4	9 05 52	125 41 30	Sd, gvl	Same			Caraqulun	Quaternary	17 887 500
MF-3.1.5	9 09 49	125 45 16	Sd, gvl	Same			Sual	Quaternary	3 750 000
MF-3.1.6	9 05 36	125 56 03	Sd, gvl	Alas			Clere	Quaternary	6 240 000
MF-3.1.7	9 05 36	125 54 49	Sd, gvl	Alas			Laclo Sal	Quaternary	7 280 000
MF-3.1.8	8 49 14	125 39 41	Sd, gvl	Turscai		Fatynaro Manumeta		Quaternary	6 687 000 000
VQ-3.5.0	8 48 00	126 16 30	Sd, gvl	Viqueque			Oetuco	Quaternary	High

Table 13. Bentonite database for East Timor.

Map reference no.	Latitude	Longitude	Resource	Subdistrict	Village	Mountain	River	Geology	Potential (cu m)
AB-3.4.1	9 21 17	124 05 52	Bentonite			Bauknana			Indication
AB-3.4.2	9 15 57	124 14 35	Bentonite		Pante Macassar				
AB-3.4.3	9 15 57	124 16 06	Bentonite		Pante Macassar				
AB-3.4.4	n.d.	n.d.	Bentonite						
AB-3.4.5	9 28 14	124 20 27	Bentonite						
BC-3.1	8 38 11	126 20 52	Bentonite	Venilale	Venilale				408 985 920 SiO ₂ = 65.7 - 67.8% Al ₂ O ₃ = 15.1 - 15.9% Fe ₂ O ₃ = 2.02 - 2.07% CaO = 2.03 - 2.36%
BB-3.1.1	8 56 36	124 59 11	Bentonite	Batu Gade Bobnaro	Batu Gade Taluata Laruba				Indication
BB-3.1.2	9 00 08	125 15 00	Bentonite	Balibo	Ddaerah Aiasa Nunura Leolima				Indication
BB-3.1.3	9 00 16	125 19 46	Bentonite						
MT-3.2	8 32 09	126 03 41	Bentonite		Antara Manatuto Laleia				Indication
MF-3.5	8 59 19	125 36 49	Bentonite	Same		Mucon			Indication

Table 14. Andesite database for East Timor.

Map reference no	Latitude	Longitude	Resource	Subdistrict	Village	Mountain	Stream	Geology	Potential (cu m)
AN-3.1	8 52 20	125 32 44	Andesite	Hatubuilico	Maubisse				7 500 000
AL-3.1.1	8 41 28	125 38 11	Andesite	Liquidoe	Perbatasan	Tamala Liqueno Hau			High
AL-3.1.2	8 39 00	125 35 27	Andesite						
BB-3.9	8 50 27	125 01 55	Andesite			Tuto Baba			High
DL-3.4.1	8 15 40	125 30 40	Andesite	Atauro	Maumeta Vila				31 325 000
DL-3.4.2	8 16 38	125 32 27	Andesite						
CV-3.1	9 23 27	125 05 27	Andesite	Timliomar		Eohotulas			High
LT-3.9	8 21 08	126 58 14	Andesite	Lautem	Irara				High
MT-3.1	8 31 46	125 56 52	Andesite	Laclo	Laclo				n.d.

Table15. Basalt database for East Timor.

Map reference No.	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain Or Hill	River	Geology	Potential (cu m)
AN-3.4.1	8 56 31	125 30 57	Basalt			Maubisse Cocorema			7 500 000
AN-3.4.2	8 50 27	125 33 41	Basalt	Hatubuiliko	Nununmoqie				2 354 030 986
AN-3.4.3	8 48 40	125 36 32	Basalt	Hatubuiliko	Hororailike				64 509 002
AB-3.5	9 18 08	124 10 22	Basalt	Nitibe	Oecusse	Bauknana			21 500 000
BC-3.10.1	8 26 19	126 25 38	Basalt		Baniuga	Tiba Oashuma Samatano Mucobuba			High
BC-3.10.2	8 36 25	126 33 41	Basalt						

Table 16. Dolomite database for East Timor.

Map Reference Number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
AN-3.5.1	n.d.	n.d.	Dolomite	Hatu Udo	Leolima	Huan			3,817 500
BB-3.3.1	9 03 17	125 15 57	Dolomite	Bobonaro	Tapo Carabau				Indication
BB-3.3.2	9 01 31	125 23 11	Dolomite	Bobonaro	Ilal Lun				n.d.
EM-3.2	8 54 33	125 24 25	Dolomite	Letefoho	Atsabe				Indication
CV-3.4	9 03 33	125 09 17	Dolomite	Fohorem	Fatululik				33 000 000
MT-3.9.1	8 32 44	126 07 14	Dolomite	Laclo	Hilimanu				Indication
MT-3.9.2	8 32 44	125 54 57	Dolomite						
VQ-3.6	8 42 33	126 30 49	Dolomite	Ossu					Indication

Table 17. Gabbro-diabase database for East Timor.

Map reference number	Latitude	Longitude	Mineral	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
BC-3.11	8 36 57	126 41 11	Diabase	Bagula	Larisuk		Mauss ocoafu		9 575 000
EM-3.5	8 56 28	125 22 30	Gabbro	Letefoho	Dokurasi				
LQ-3.4.1	8 41 28	125 06 25	Gabbro		Ulmera				
LQ-3.4.2	n.d.	n.d.	Gabbro	Liquisa			Gaulao		
LQ-3.4.3	n.d.	n.d.	Gabbro	Tg. Fatuboro Bo					
MT-3.11.1	8 35 36	125 55 55	Gabbro	Laclo	Umacadua c				
MT-3.11.2	8 29 44	125 54 41	Gabbro	Laclo	Dusun Behau				
MT-3.11.3	8 34 06	125 49 55	Gabbro	Laclo	Hatu Emera Hohorai				
MF-3.4	9 05 03	125 52 47	Gabbro	Alas	Uma Berlele				
VQ-3.5	8 48 49	126 31 46	Gabbro	Untolari					

Table 18. Gypsum database for East Timor.

Map reference number	Latitude	Longitude	Mineral	Subdistrict.	Village	Mountain	River	Geology	Potential
AB-3.6.1	9 20 11	124 04 22	Gypsum		Utara	Gueno			Indication
AB-3.6.2	9 23 19	124 20 00	Gypsum						
MT-3.11.1	8 30 08	125 59 44	Gypsum	Manatuto	Laleia				39,2 93 tons

Table 19. Kaolin database for East Timor.

Database reference number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
AL-3.2.8	8 45 17	125 33 01	Kaolin	Remixio	Maumeta	Aileu hill			2 500 000
DL-3.12.1	8 16 38	125 34 55	Kaolin	Atauro	Maqueli				Indication
LQ-3.8.1	8 35 11	125 13 30	Kaolin	Bazartete	Ulmera Lebollua				Indication

Table 20. Salt database for East Timor.

ET Database Reference Number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
AB-3.13.1	9 12 00	124 20 44	Halite	Pante Makassar	Masin				Indication
BC-3.10.1	8 27 25	126 38 19	Halite	Laga	Nunira				Cl = 10.830 gr/ton Area of 10 250 sq m pH = 6 – 7
DL-3.6.1	8 33 57	125 29 11	Halite	West Dili	Tasitollu				Indication

Table 21. Manganese database for East Timor.

Database reference number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
DL-2.5.1	8 16 22	125 33 00	Manganese	Atauro	Maqueli				Indication
LT-2.2.1	n.d.	n.d.	Manganese	Moro	Daudere				Indication
LT-2.2.2	8 27 17	126 49 22	Manganese	Buihoman					
LT-2.2.3	8 26 11	126 00 00	Manganese	Banura					
LT-2.2.4	8 34 05.	126 49 30	Manganese	Puno	Laivai				
VQ-2.4.1	8 45 40	126 25 47	Manganese	Uatacarbau					Indication

Table 22. Silica database for East Timor.

Map Reference Number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
AB-3.11.1	9 17 44	124 27 49	Silica sd	Pante Makassar	Pantain Palaban				320
AB-3.11.2	9 14 44	124 13 38	Silica sd	Pante Makassar			Tono		3 000
AB-3.11.3	9 20 03	124 09 08	Silica sd	Nitibe			Oenam		675
AB-3.11.4	9 20 03	124 09 08	Silica sd			Pantai Suniufe			108
DL-3.8.1	8 18 00	125 34 30	Silica Sd	Atauro Lourba Bobonaro	Maqueli				Indication

Table 23. Wollastonite database for East Timor

Map Reference Number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Potential (per cent)
BB-2.1.1	9 00 57	125 23 27	Wollastonite	Bobonaro	Carabau			Indication

Table 24. Talc database for East Timor.

Database reference number	Latitude	Longitude	Resource	Subdistrict.	Village	Mountain	River	Geology	Potential (cu m)
AL-3.9.1	8 43 55	125 35 27	Talc	Aileu	Aisirimou				Indication
MT-3.14.1	8 30 16	125 55 38	Talc	Laclo	Hilimanu				Indication