

LEGEND

- | | | | |
|--|-------------------------------------|-------------------------|---|
| | Lithological boundary and unit | | Working mine |
| | Lineament (certain) | | Closed mine |
| | Lineament (uncertain) | | Prospect |
| | Bedding | | Location Nos. denoted as the numbers in the list of the prospects and mines |
| | Horizontal bedding | | |
| | Strike and dip direction of bedding | | |
| | Anticline | | |
| | Syncline | | |
| | Annular structure | | |
| | Caldera structure | } Morphological anomaly | |
| | Dome structure | | |

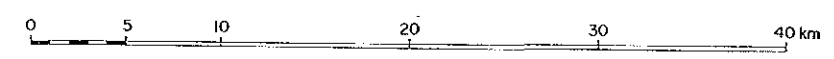
SPOT HRV K435-J385 177°30'E 178°00'E 178°30'E
 SPOT HRV K436-J385
 SPOT HRV K437-J385



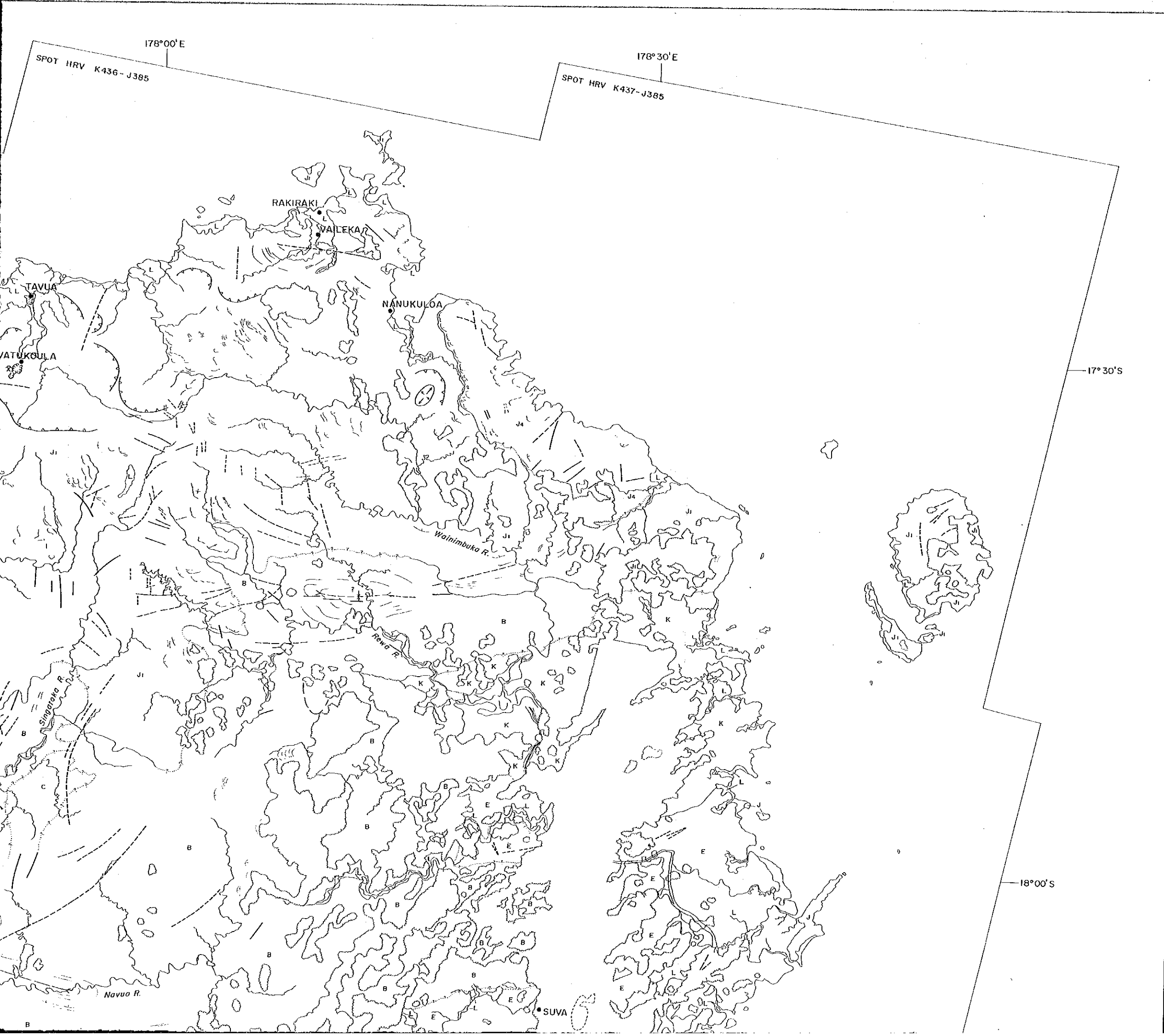
17°30'S

177°30'E

18°00'S



- LEGEND
- (A) Lithological boundary and unit
 - Lineament (certain)
 - - - Lineament (uncertain)
 - Bedding
 - + Horizontal bedding
 - ⊥ Strike and dip direction of bedding
 - ⊥ Anticline
 - ⊥ Syncline
 - ⊙ Caldera structure
 - ⊙ Dome structure
 - Cloud cover



PL. II

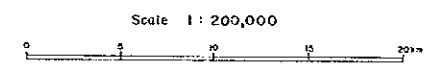
REPORT ON THE MINERAL EXPLORATION
IN THE VITI LEVU AREA,
THE REPUBLIC OF FIJI
PHASE I

**PHOTOGEOLOGICAL INTERPRETATION MAP
USING SPOT IMAGES OF VITI LEVU ISLAND**

LOCALITY MAP

FEBRUARY 1991

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN



Correlation between Geologic Units Interpreted from SLAR Imageries and SPOT Images, and Stratigraphical Units of Geological Map

Geologic Units Interpreted from SLAR Imageries	Geological Map (Scale 1:250,000, 1991)	Geologic Units Interpreted from SPOT Images
L	Alluvium, fluvial deposits	L
K	Vorata Sedimentary Group	K
J	Ba Volcanic Group and Ra Sedimentary Group	J ₁ J ₂ J ₃
I	Cuvu Sedimentary Group	—
H	Koroimava Volcanic Group	H
G	Navosa Sedimentary Group	G
F	Nadi Sedimentary Group	F
E	Mdrausucu Group	E
D	Tuva Group	D
C	Cole Plutonic Suite	C
B	Wainimala Group and Savava Volcanic Group	B
A	Vavuna Group and Wainimala Group	—

17° 30' S

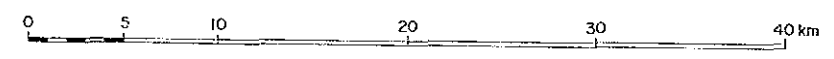
177° 30' E

SPOT HRV K 436 - J 386

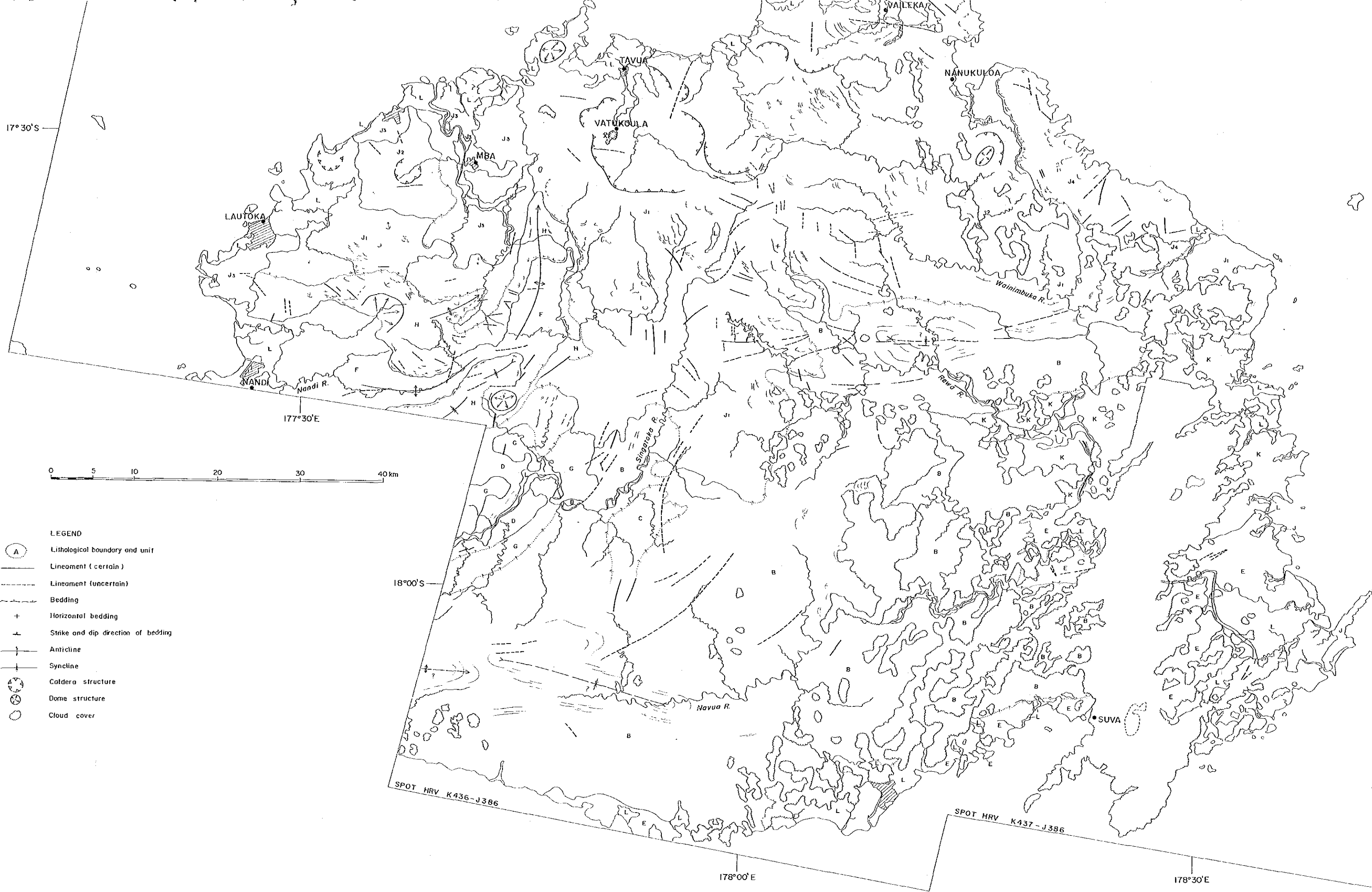
178° 00' E

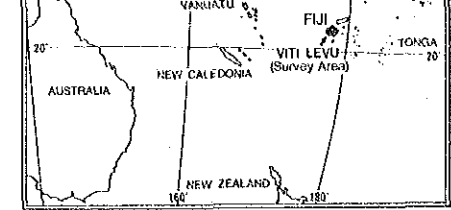
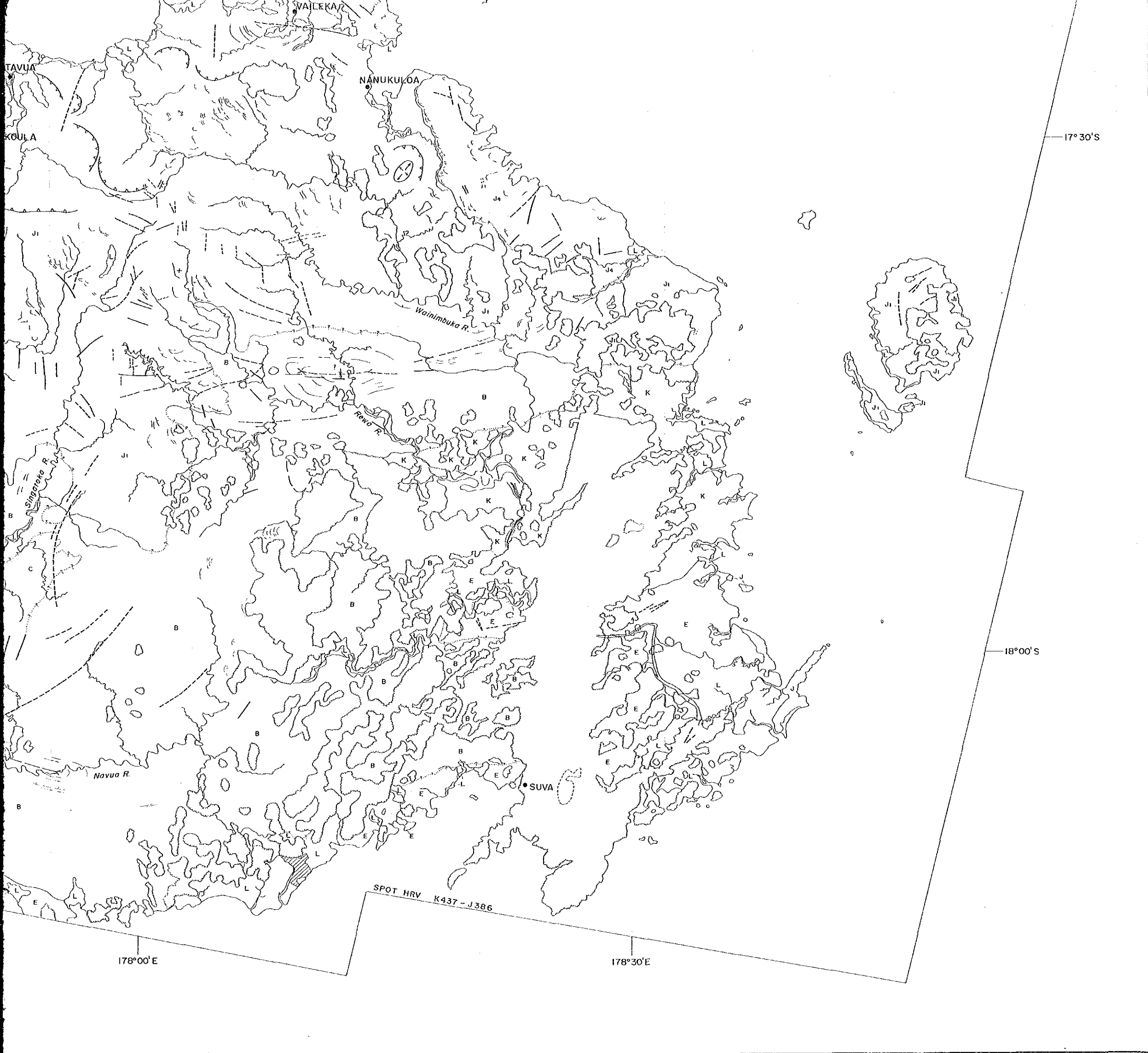
SPOT HRV K 437 - J 386

178° 30' E



- LEGEND**
- (A) Lithological boundary and unit
 - Lineament (certain)
 - - - Lineament (uncertain)
 - ~ Bedding
 - + Horizontal bedding
 - ⊥ Strike and dip direction of bedding
 - ⊥ Anticline
 - ⊥ Syncline
 - ⊙ Caldera structure
 - ⊙ Dome structure
 - Cloud cover

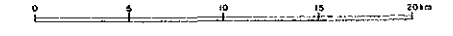




FEBRUARY 1991

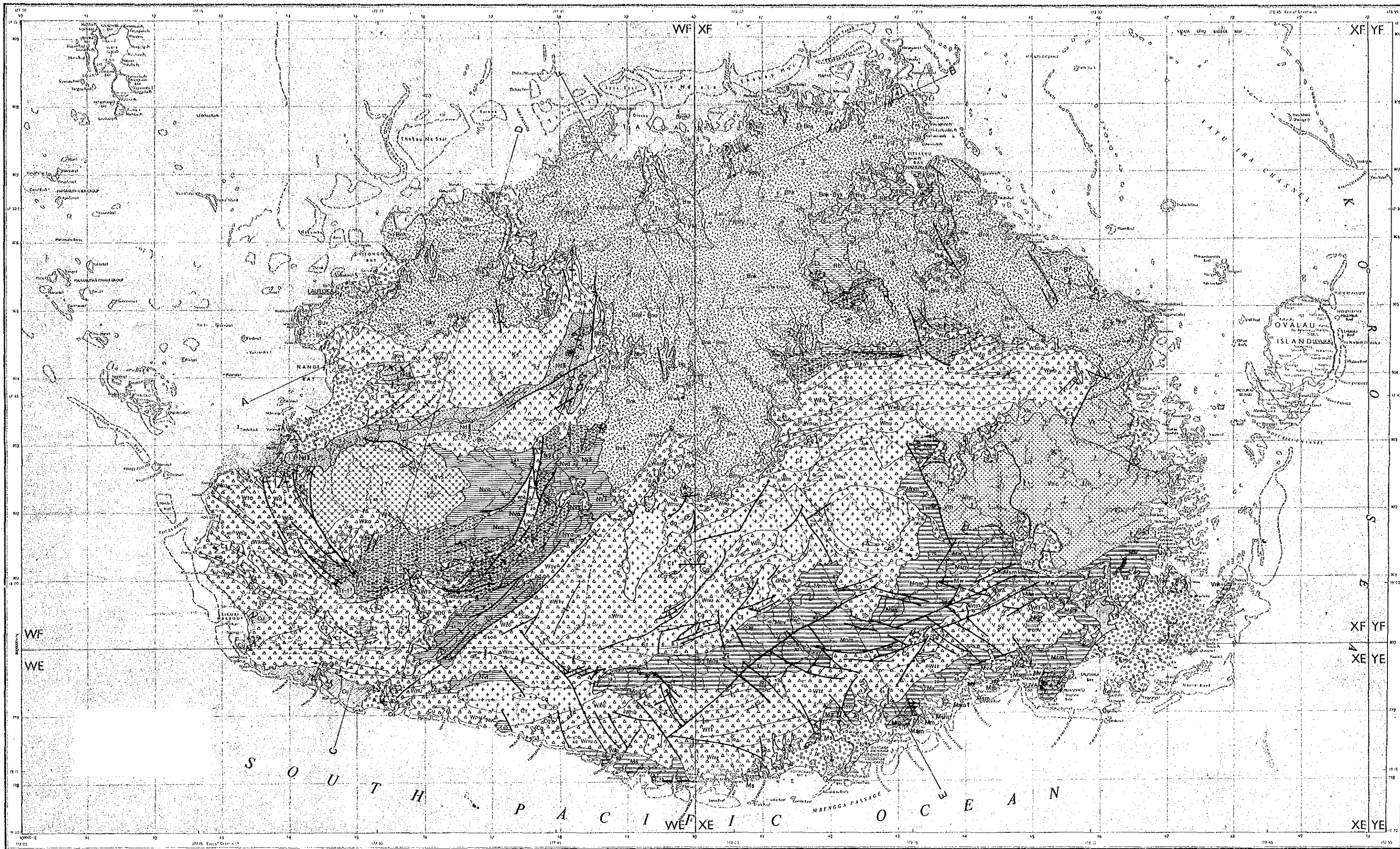
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1:200,000



Correlation between Geologic Units Interpreted from SLAR Imageries and SPOT Images, and Stratigraphical Units of Geological Map

Geologic Units Interpreted from SLAR Imageries	Geological Map (Scale 1:250,000, 1973)	Geologic Units Interpreted from SPOT Images
L	Alluvium, fluvial deposits	L
K	Vorata Sedimentary Group	K
J	Ba Volcanic Group and Ra Sedimentary Group	J ₁ J ₂ J ₃
I	Cuvu Sedimentary Group	—
H	Koroimavua Volcanic Group	H
G	Navosa Sedimentary Group	G
F	Nadi Sedimentary Group	F
E	Medrausucu Group	E
D	Tuva Group	D
C	Colo Plutonic Suite	C
B	Wainimala Group and Savura Volcanic Group	B
A	Yavuna Group and Wainimala Group	—



A

D

30 R.

.Bnu.

ukaula

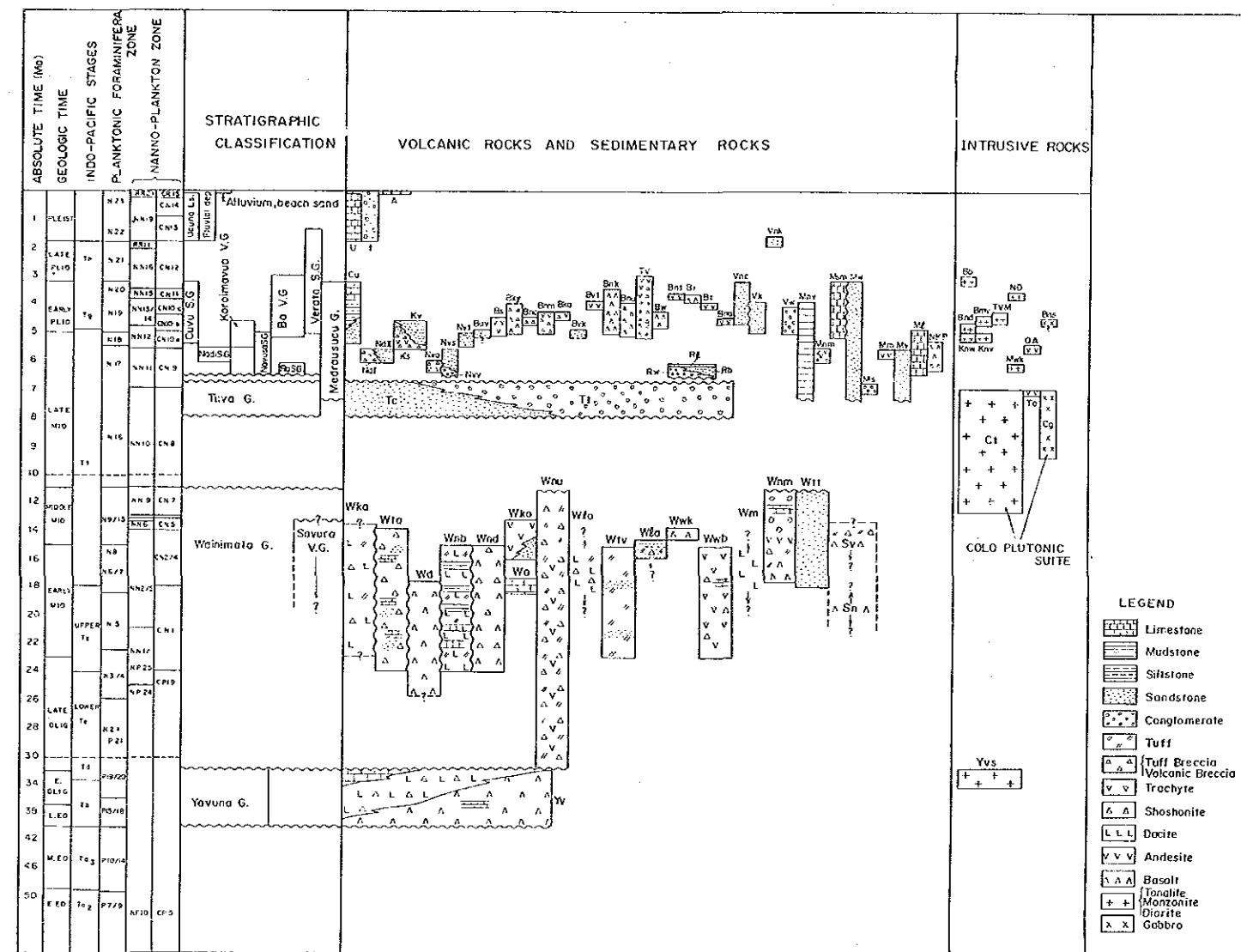
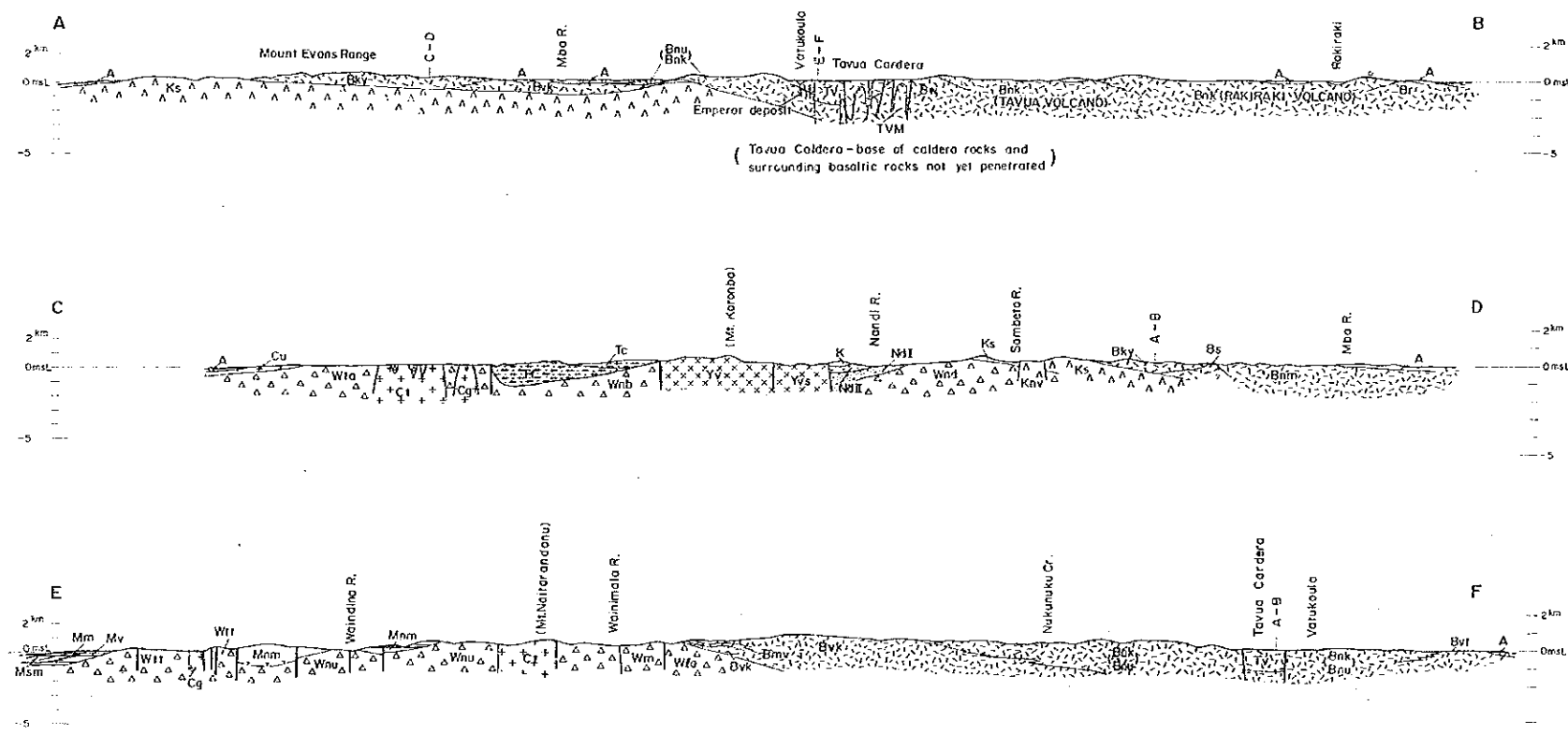
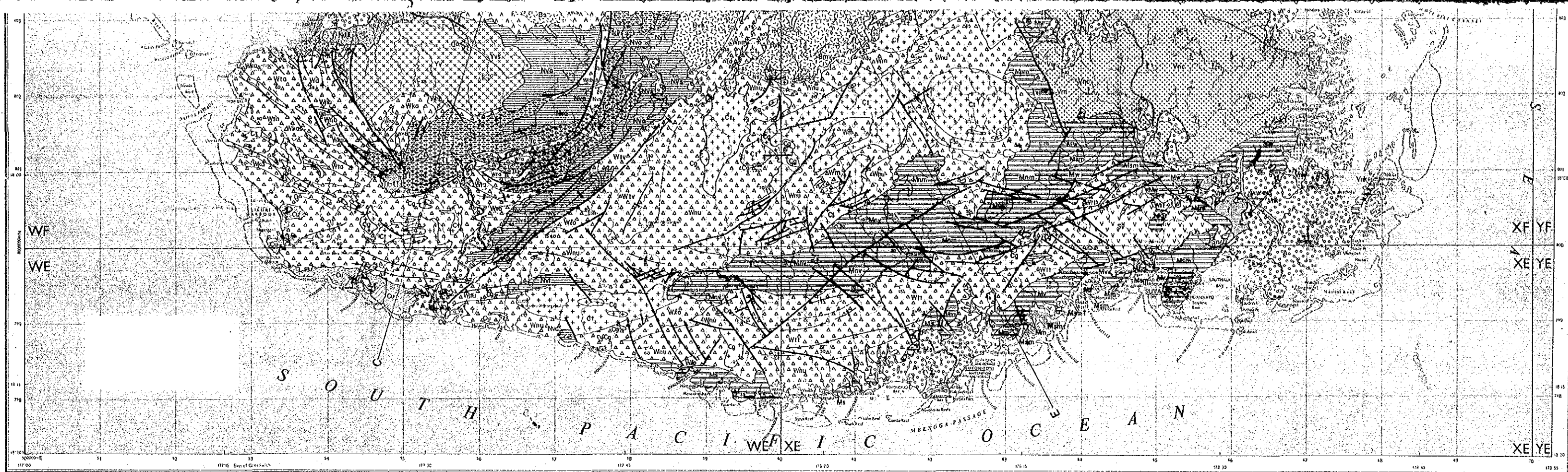
- F

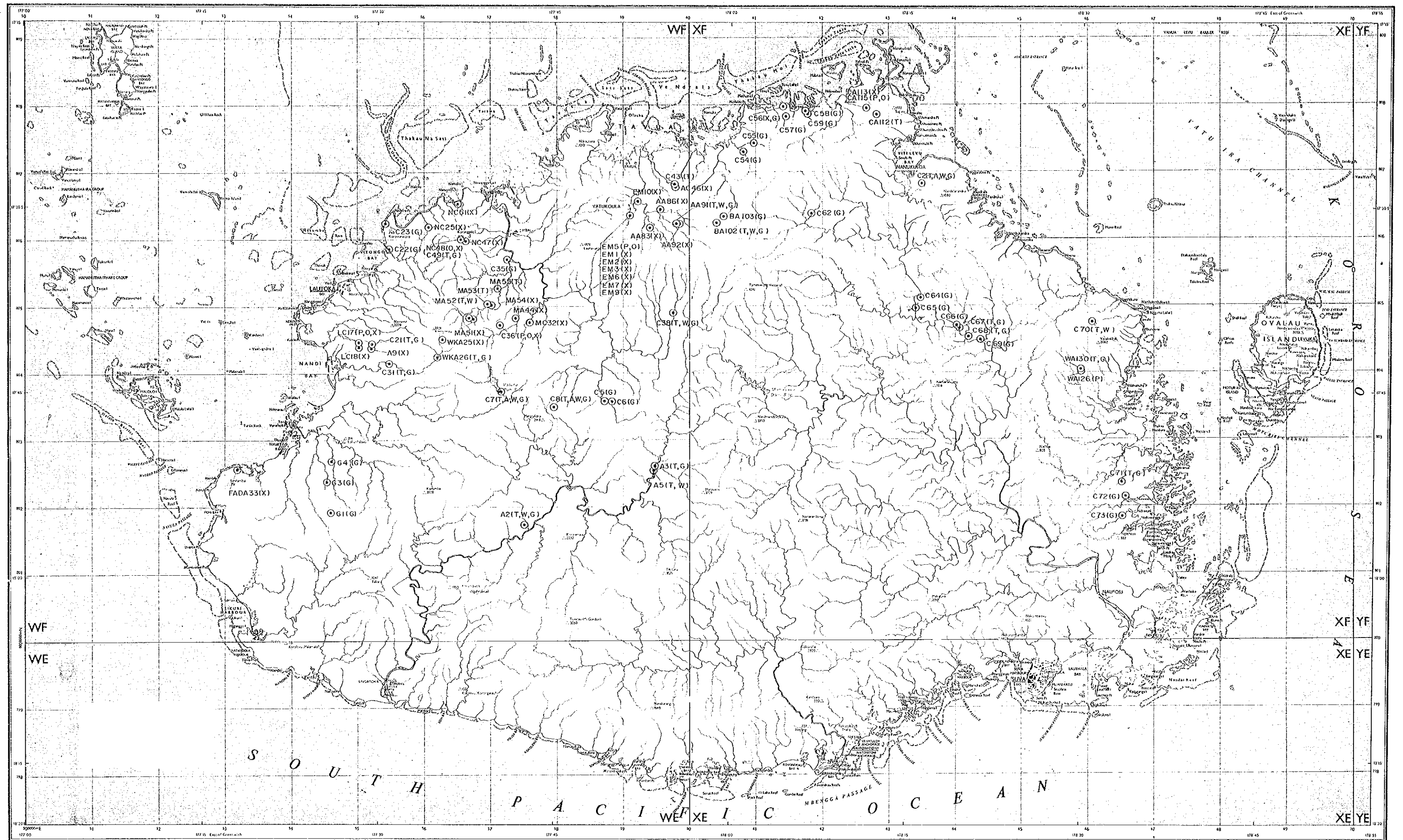
krcaul

B

- 2.3 m

<p>SOLUTE TIME (Mg) CLOGIC TIME CO-PACIFIC STAGES ANKTONIC FORAMINIFERA ZONE IANNO-PLANKTON ZONE</p>	<p>STRATIGRAPHIC CLASSIFICATION</p>	<p>VOLCANIC ROCKS AND SEDIMENTARY ROCKS</p>	<p>INTRUSIVE ROCKS</p>
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LEGEND

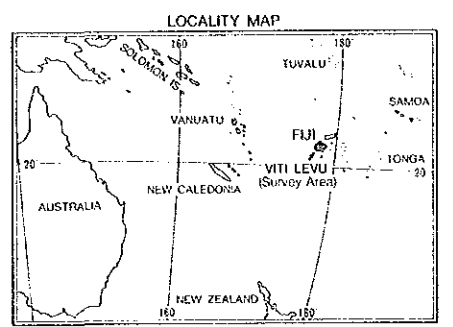
- T : Thin section
- P : Polished section
- A : K/Ar radiometric age determination
- W : Whole rock analysis
- ⊙ : Rock samples



SHEET INDEX		SHEET INDEX	
WF	XF	WF	XF
WF	XF	WF	XF
WE	YE	WE	YE

REPORT ON THE MINERAL EXPLORATION
IN THE VITI LEVU AREA,
THE REPUBLIC OF FIJI
PHASE I

SAMPLE LOCATION MAP OF
VITI LEVU ISLAND



FEBRUARY 1991

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1 : 250,000

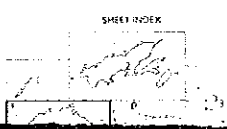
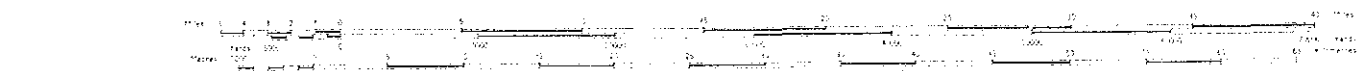
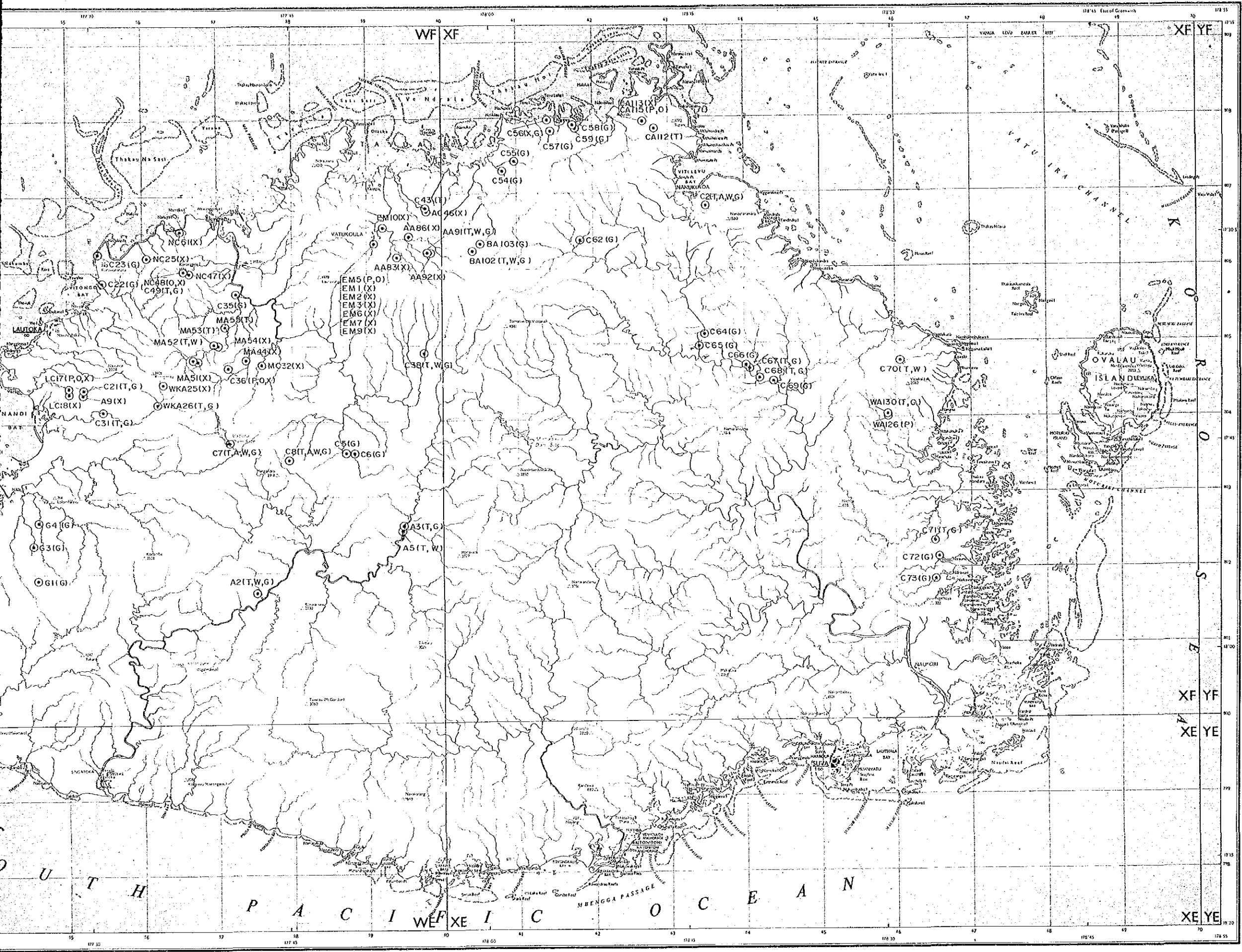
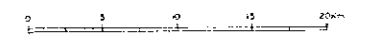
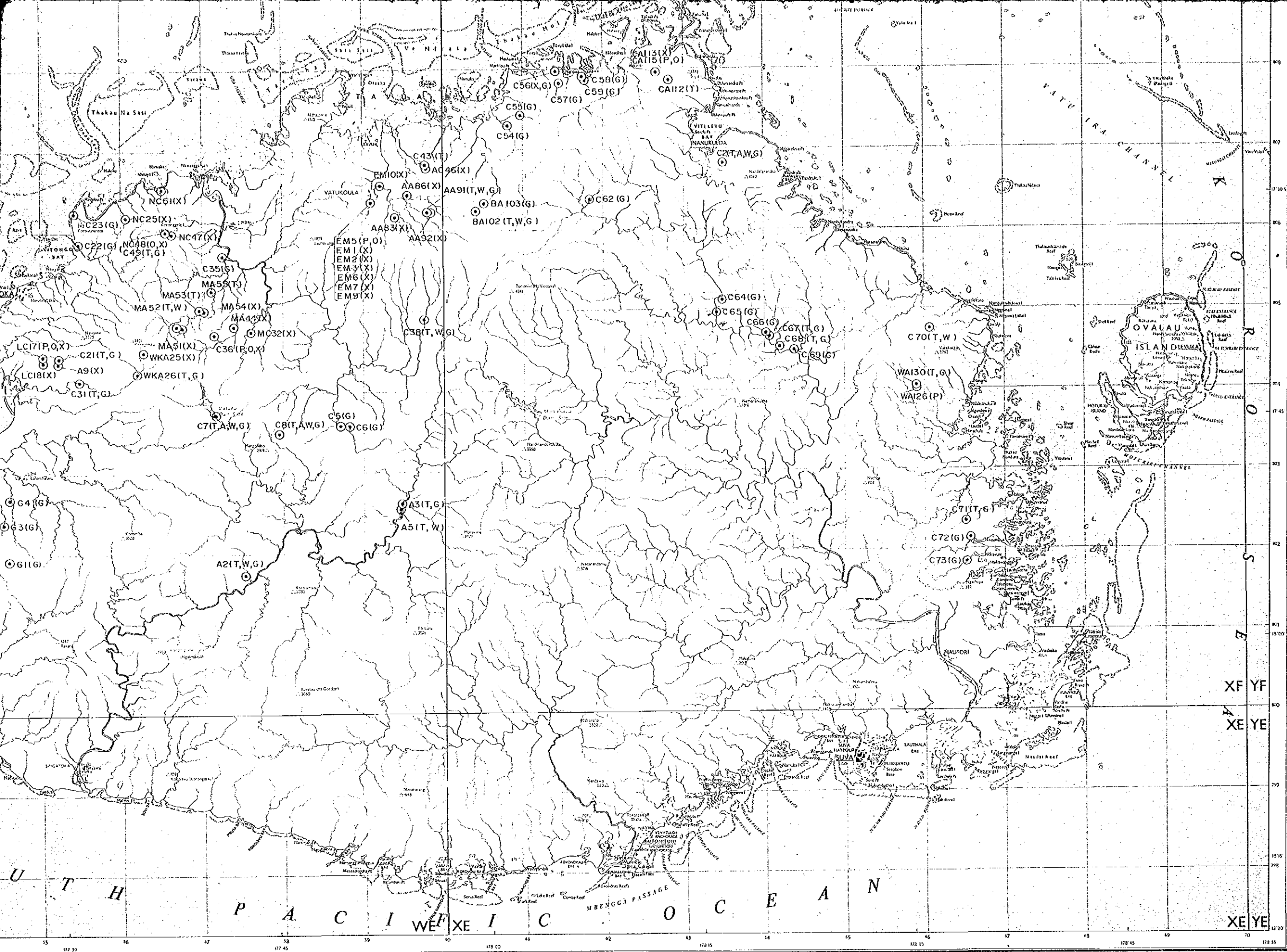


Table with technical specifications and metadata, including columns for 'SHEET NO.', 'SCALE', and 'DATE'.



THE REPUBLIC OF FIJI
PHASE I

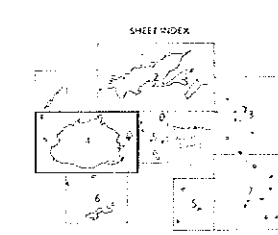
SAMPLE LOCATION MAP OF VITI LEVU ISLAND

LOCALITY MAP

FEBRUARY 1991

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1 : 250,000



Grid
Projection
Datum
Units of Measurement
Horizontal Scale
Vertical Scale
Units of Vertical Scale

UTM Zone 42
Transverse Mercator
Datum
Meters
1:250,000
1:250,000
1:250,000

Grid Reference

60K	XF	YF
60K	XE	YE

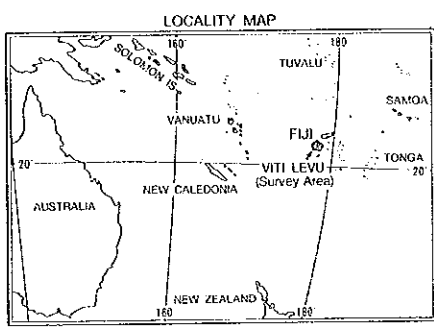
Grid Reference

60K	XF	YF
60K	XE	YE

As shown on the
Map of the Republic of Fiji
Scale 1:50,000

REPORT ON THE MINERAL EXPLORATION
IN THE VITI LEVU AREA,
THE REPUBLIC OF FIJI
PHASE 1

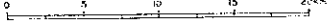
DISTRIBUTION MAP OF MINES, PROSPECTS
AND ALTERATION ZONES OF VITI LEVU ISLAND



FEBRUARY 1991

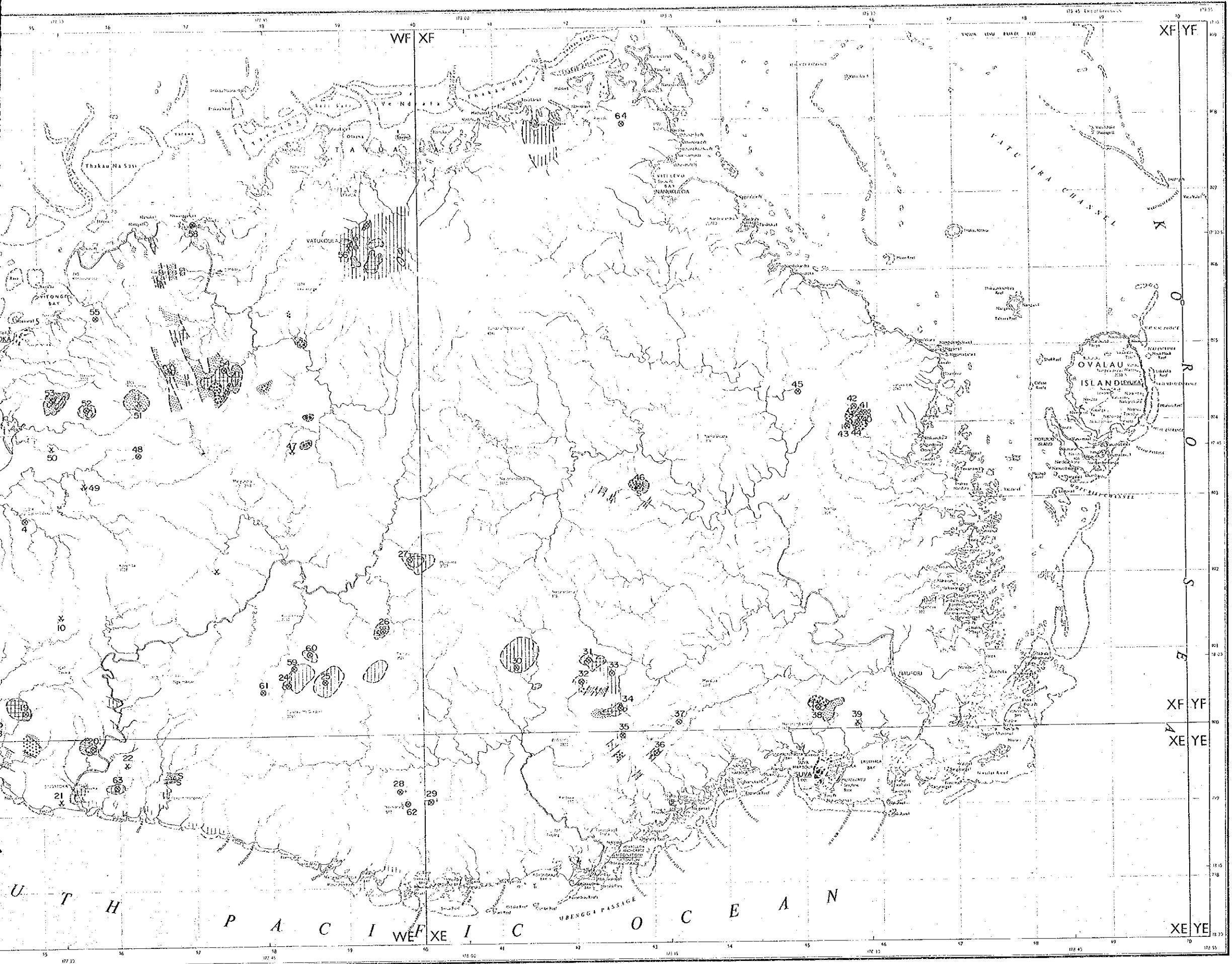
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN

Scale 1 : 250,000



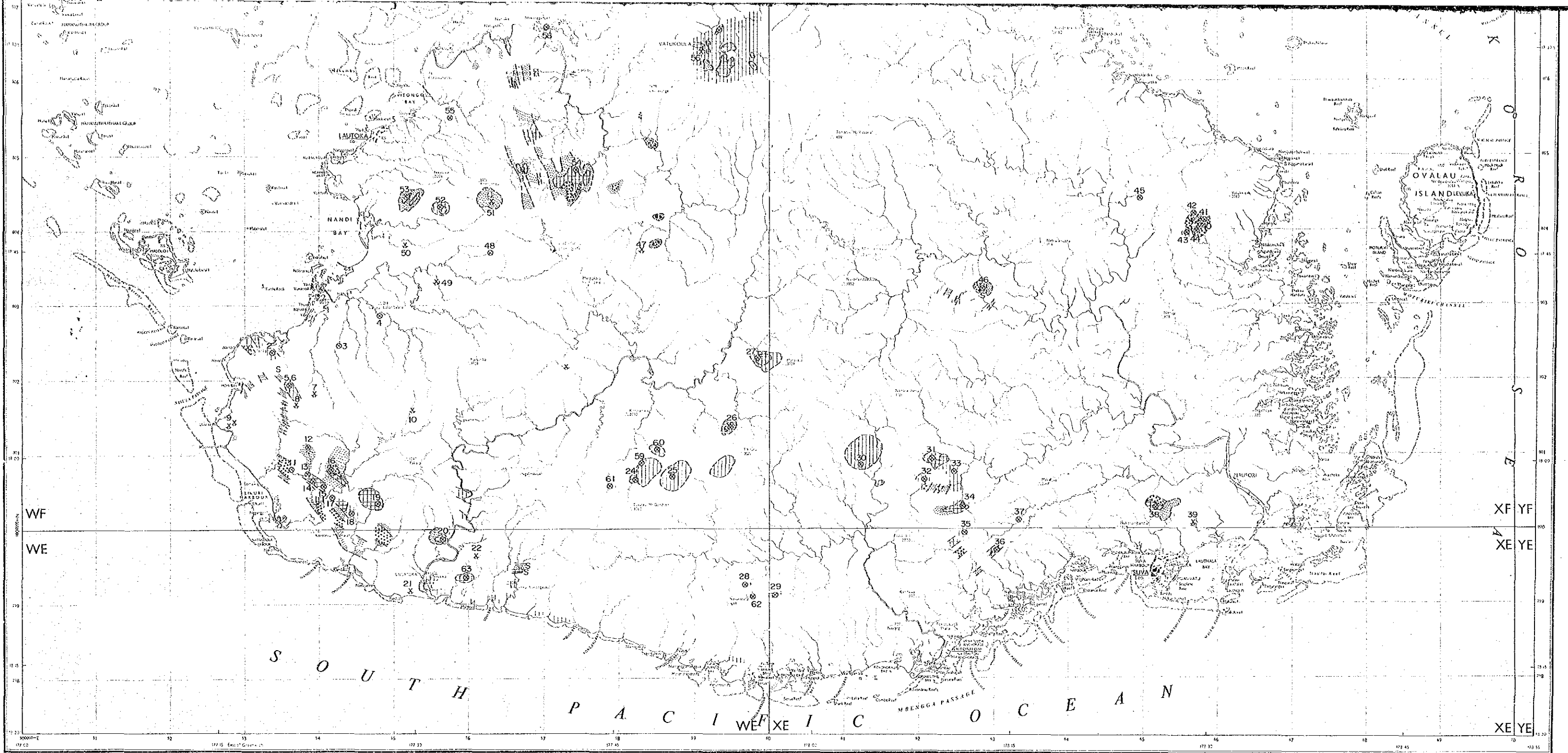
LEGEND

- Strongly argillized alteration
- Medium argillized alteration
- Weakly argillized alteration
- Propylitic alteration
- Silicification
- Working mine
- Closed mine
- Prospect
- 1-63 Location Nos. denoted as the numbers in the list of the prospects and mines



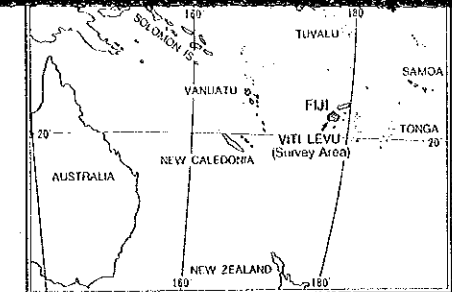
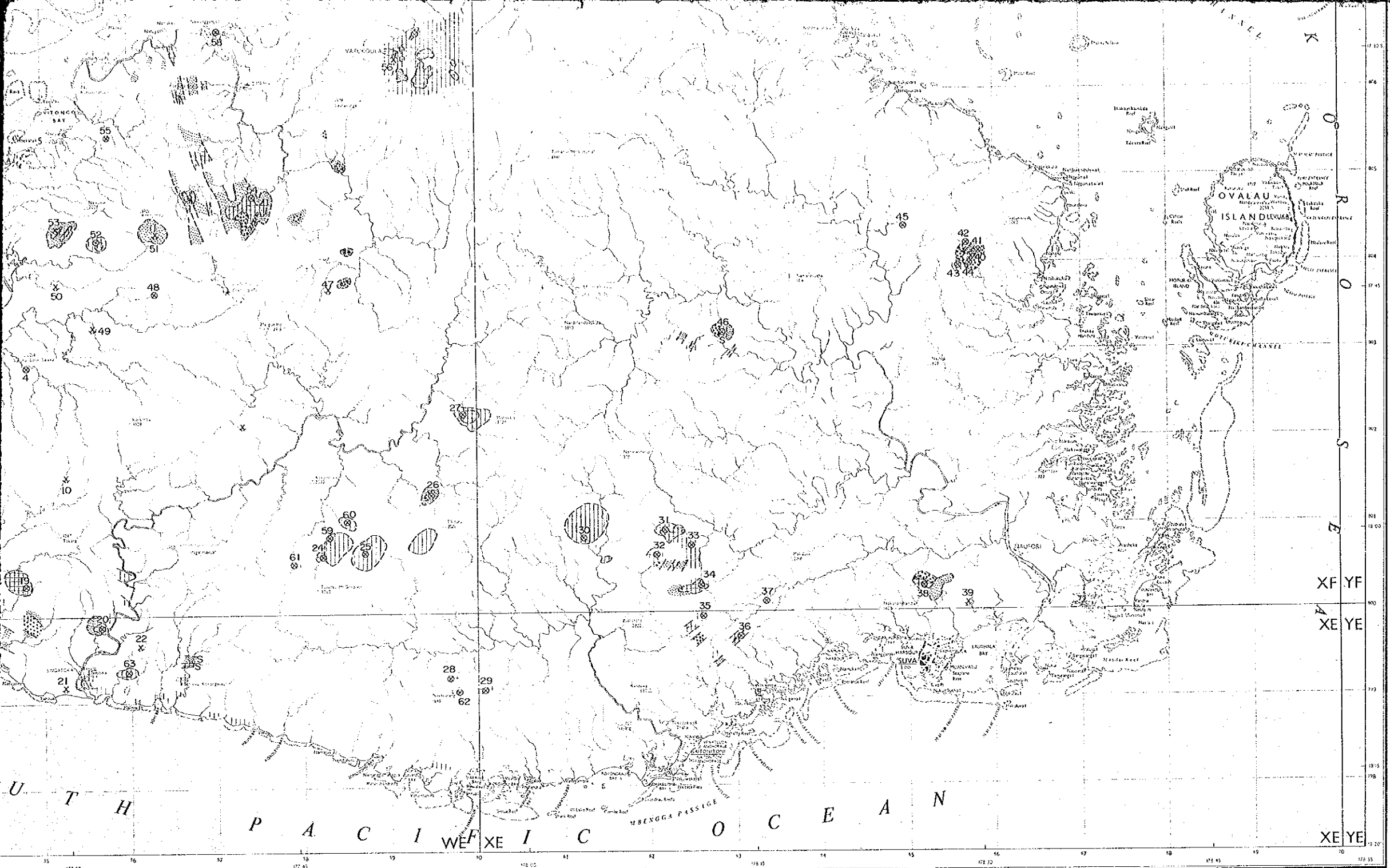
MINES AND PROSPECTS

- | | | | |
|----------------------------------|----------------------------|---------------------------------|---|
| 1. Mistry Mine [Au-Ag-Pb(Cu,Zn)] | 17. Tuva River [Cu] | 34. Waivaka [Cu] | 51. Kingston Mine [Cu,Au-Ag] |
| 1A. Faddy's [Au] | 18. Voua Creek [Cu-Pb-Zn] | 35. Wainikovu [Cu(Au-Ag,Zn-Pb)] | 52. Tawaravi Creek [Cu(Au)] |
| 2. Uciwai Road [Cu-Pb-Zn] | 19. Tulasewa [Zn-Cu] | 36. Wainadoti [Au(Ag,Te,Cu)] | 53. Vuda [Au(Cu-Ag)] |
| 3. Malakua Creek [Cu-Zn] | 20. Sulua Creek [Cu-Zn] | 37. Waimanu [Au] | 54. Balevuto [Pb-Zn,Cu-Au-Ag] |
| 4. Taci [Fe] | 21. Sigatoka Dunes (Fe,Ti) | 38. Coto-i-Suva [Zn-Cu(Au)] | 55. Drasa [Al] |
| 5. Koroia [Mo-Au-Cu-Pb-Ag] | 22. Baravi Mine [Mn] | 39. Kalabo Mine [Mn] | 56. Emperor Mines Vatukoula [Au-Ag-Te(Cu-Zn)] |



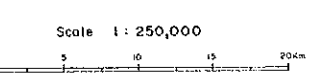
MINES AND PROSPECTS

- | | | | |
|----------------------------------|---------------------------------|--------------------------------------|---|
| 1. Mistry Mine [Au-Ag-Pb(Cu,Zn)] | 17. Tuva River [Cu] | 34. Waivaka [Cu] | 51. Kingston Mine [Cu,Au-Ag] |
| 1A. Faddy's [Au] | 18. Voua Creek [Cu-Pb-Zn] | 35. Wainikovu [Cu(Au-Ag,Zn-Pb)] | 52. Tawaravi Creek [Cu(Au)] |
| 2. Uciwai Road [Cu-Pb-Zn] | 19. Tulasewa [Zn-Cu] | 36. Wainadoi [Au(Ag,Te,Cu)] | 53. Vuda [Au(Cu-Ag)] |
| 3. Malakua Creek [Cu-Zn] | 20. Sulua Creek [Cu-Zn] | 37. Waimanu [Au] | 54. Balevuto [Pb-Zn,Cu-Au-Ag] |
| 4. Taci [Fe] | 21. Sigatoka Dunes [Fe,Ti] | 38. Coto-i-Suva [Zn-Cu(Au)] | 55. Drasa [Al] |
| 5. Koroisa [Mn,Au-Cu-Pb-Ag] | 22. Baravi Mine [Mn] | 39. Kalabo Mine [Mn] | 56. Emperor Mines Valukoula [Au-Ag-Te(Cu-Zn)] |
| 6. Koroisa [Au-Cu-Pb-Ag & Ba] | 23. Nasaucoke Mine [Mn] | 40. Wainivosi Mine [Zn-Cu-Pb(Au-Ag)] | 57. Waikata-kata [Au] |
| 7. Nabu Mine [Mn] | 24. Kavika-Lo [Zn-Cu(Pb,Ag,Au)] | 41. Waitotu [Cu-Fe(Zn)] | 58. Ba delta [Fe] |
| 8. Koroviko Mine [Mn,Fe-Ba] | 25. Rama Creek [Cu(Au)] | 42. Wainavola [Fe] | 59. Naruku-levu [Cu,Zn(Au,Ag)] |
| 9. Tuveriki Mine [Fe] | 26. Nakora [Zn-Cu,Ag-Au] | 43. Wainiviti [Zn-Pb-Cu] | 60. Tubatolu [Cu] |
| 10. Vunamoli Mine [Mn] | 27. Wainivau [Cu(Au)] | 44. Wainivesi [Mn] | 61. Matalo [Cu] |
| 11. Kubuna River [Zn-Pb-Cu] | 28. Kula [Cu-Zn] | 45. Waivisa [Mn] | 62. Nancy-Kelia [Cu(Zn)] |
| 12. Nacilega [Cu-Mo] | 29. Wainaleka [Zn-Cu(Ag)] | 46. Nuku [Cu] | 63. Korotogo [Cu-Zn(Pb-Au-Ag)] |
| 13. Kule or Kule Creek [Cu] | 30. Waitotolu [Cu-Zn] | 47. Tabuqoto Mine [Mn] | 64. Rakiraki [Au] |
| 14. Kule Creek [Cu] | 31. Waisoi [Cu(Au-Mo)] | 48. Nasavisavi Creek [Fe] | |
| 15. Natualevu [Zn(Cu-Ag)] | 32. Wainabama [Cu(Au-Mo)] | 49. Sivia Creek [Mn] | |
| 16. Naitaki Creek [Cu-Pb-Zn] | 33. Wainisavu savu [Cu-Zn(Au)] | 50. Votualevu Mine [Mn] | |



FEBRUARY 1991

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN



- LEGEND**
- Strongly argillized alteration
 - Medium argillized alteration
 - Weakly argillized alteration
 - Propylitic alteration
 - Silicification
 - Working mine
 - Closed mine
 - Prospect
- 1-63 Location Nos. denoted as the numbers in the list of the prospects and mines

MINES AND PROSPECTS

- | | | | |
|---------------------------------|---------------------------------|--------------------------------------|---|
| 1. Misty Mine [Au-Ag-Pb(Cu,Zn)] | 17. Tuva River [Cu] | 34. Waivaka [Cu] | 51. Kingston Mine [Cu,Au-Ag] |
| 1A. Faddy's [Au] | 18. Voua Creek [Cu-Pb-Zn] | 35. Wainikovu [Cu(Au-Ag,Zn-Pb)] | 52. Tawaravi Creek [Cu(Au)] |
| 2. Uciwai Road [Cu-Pb-Zn] | 19. Tulasewa [Zn-Cu] | 36. Wainadoi [Au(Ag,Te,Cu)] | 53. Vuda [Au(Cu-Ag)] |
| 3. Malakua Creek [Cu-Zn] | 20. Sulua Creek [Cu-Zn] | 37. Waimanu [Au] | 54. Bolevuto [Pb-Zn,Cu-Au-Ag] |
| 4. Taci [Fe] | 21. Sigatoka Dunes [Fe,Ti] | 38. Colo-i-Suva [Zn-Cu(Au)] | 55. Drasa [Al] |
| 5. Koroisia [Mn,Au-Cu-Pb-Ag] | 22. Baravi Mine [Mn] | 39. Kafabo Mine [Mn] | 56. Emperor Mines Vatukoula [Au-Ag-Te(Cu-Zn)] |
| 6. Koroisia [Au-Cu-Pb-Ag & Ba] | 23. Nasucoko Mine [Mn] | 40. Wainivesi Mine [Zn-Cu-Pb(Au-Ag)] | 57. Waikata-kala [Au] |
| 7. Nabu Mine [Mn] | 24. Kavika-Lo [Zn-Cu(Pb,Ag,Au)] | 41. Waitotu [Cu-Fe(Zn)] | 58. Ba delta [Fe] |
| 8. Koroviko Mine [Mn,Fe-Ba] | 25. Rama Creek [Cu(Au)] | 42. Wainavola [Fe] | 59. Naruku-levu [Cu,Zn(Au,Ag)] |
| 9. Tuvariki Mine [Fe] | 26. Nakoro [Zn,Cu,Ag-Au] | 43. Wainiviti [Zn-Pb-Cu] | 60. Tubatolu [Cu] |
| 10. Vanamoli Mine [Mn] | 27. Wainivau [Cu(Au)] | 44. Wainivesi [Mn] | 61. Matalo [Cu] |
| 11. Kubuna River [Zn-Pb-Cu] | 28. Kula [Cu-Zn] | 45. Waivisa [Mn] | 62. Nancy-Kalia [Cu(Zn)] |
| 12. Nacilega [Cu-Mo] | 29. Wainaloka [Zn-Cu(Ag)] | 46. Nuku [Cu] | 63. Korotogo [Cu-Zn(Pb-Au-Ag)] |
| 13. Kule or Kule Creek [Cu] | 30. Waitotolu [Cu-Zn] | 47. Tabuqoto Mine [Mn] | 64. Rakiraki [Au] |
| 14. Kule Creek [Cu] | 31. Waisoi [Cu(Au-Mo)] | 48. Nasavisavi Creek [Fe] | |
| 15. Natualevu [Zn(Cu-Ag)] | 32. Wainabama [Cu(Au-Mo)] | 49. Sivia Creek [Mn] | |
| 16. Naitaki Creek [Cu-Pb-Zn] | 33. Wainisavu [Cu-Zn(Au)] | 50. Votualevu Mine [Mn] | |

JICA