



# $\text{Al}_2\text{O}_3$ ALUMINIUM OXIDE

Maximum value is 18.33 %



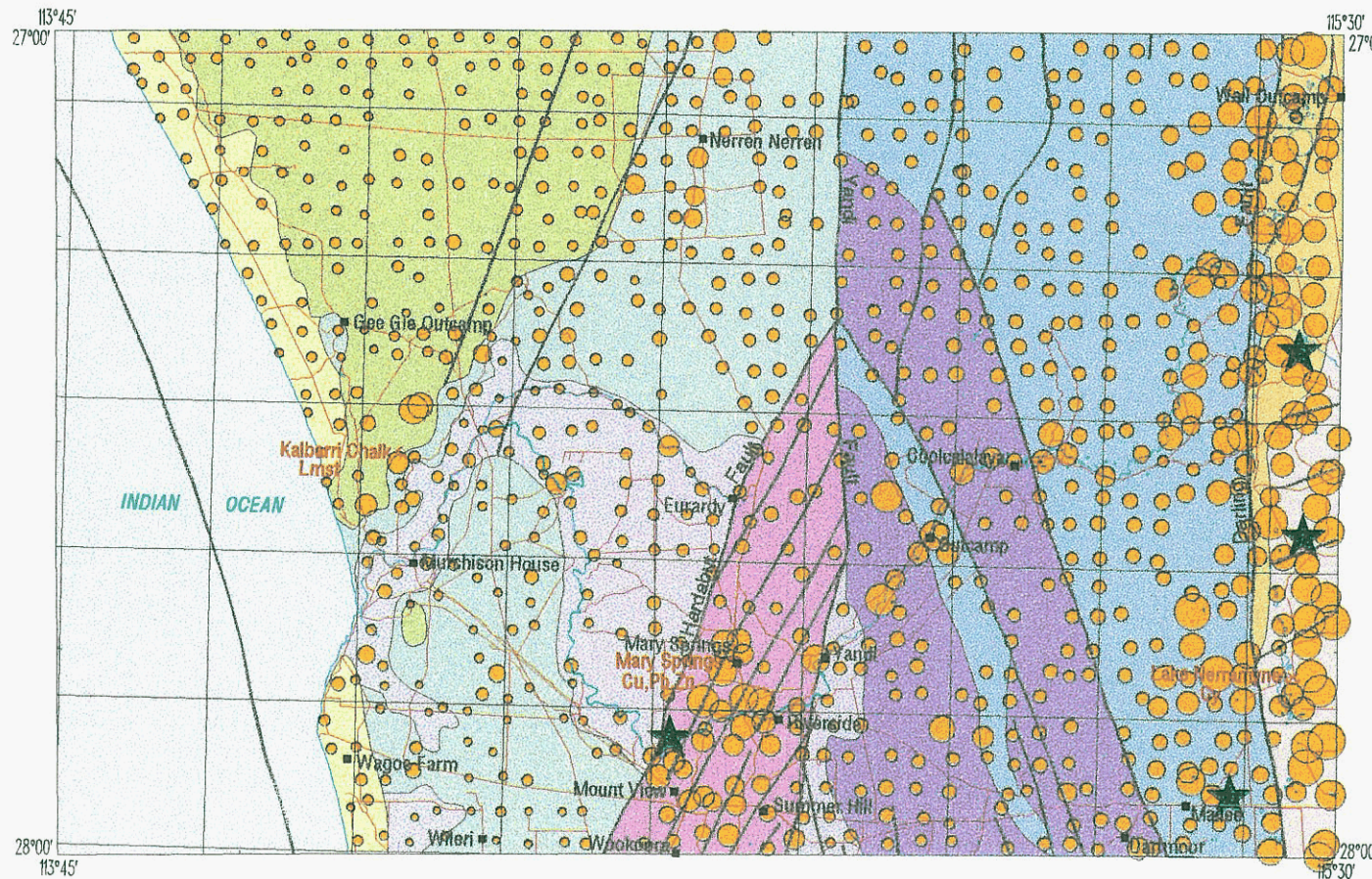
• Below 0.02 % theoretical detection limit

★ > 16.77 %

- |                       |                   |           |
|-----------------------|-------------------|-----------|
| — Geological boundary | ✂ Mary Springs    | Mine      |
| - - - Fault           | ✂ Kalbarri Chalk  | Prospect  |
| — Highway             | ✂ Lake Narramynne | Openpit   |
| — Formed road         | Cy                | Clay      |
| — Track               | Cu                | Copper    |
| — Watercourse         | Pb                | Lead      |
| ■ Yandi Homestead     | Lst               | Limestone |
|                       | Zn                | Zinc      |

AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



SCALE 1:1 000 000  
0 10 20 30 40 50 km



# $\text{Fe}_2\text{O}_3$ FERRIC OXIDE

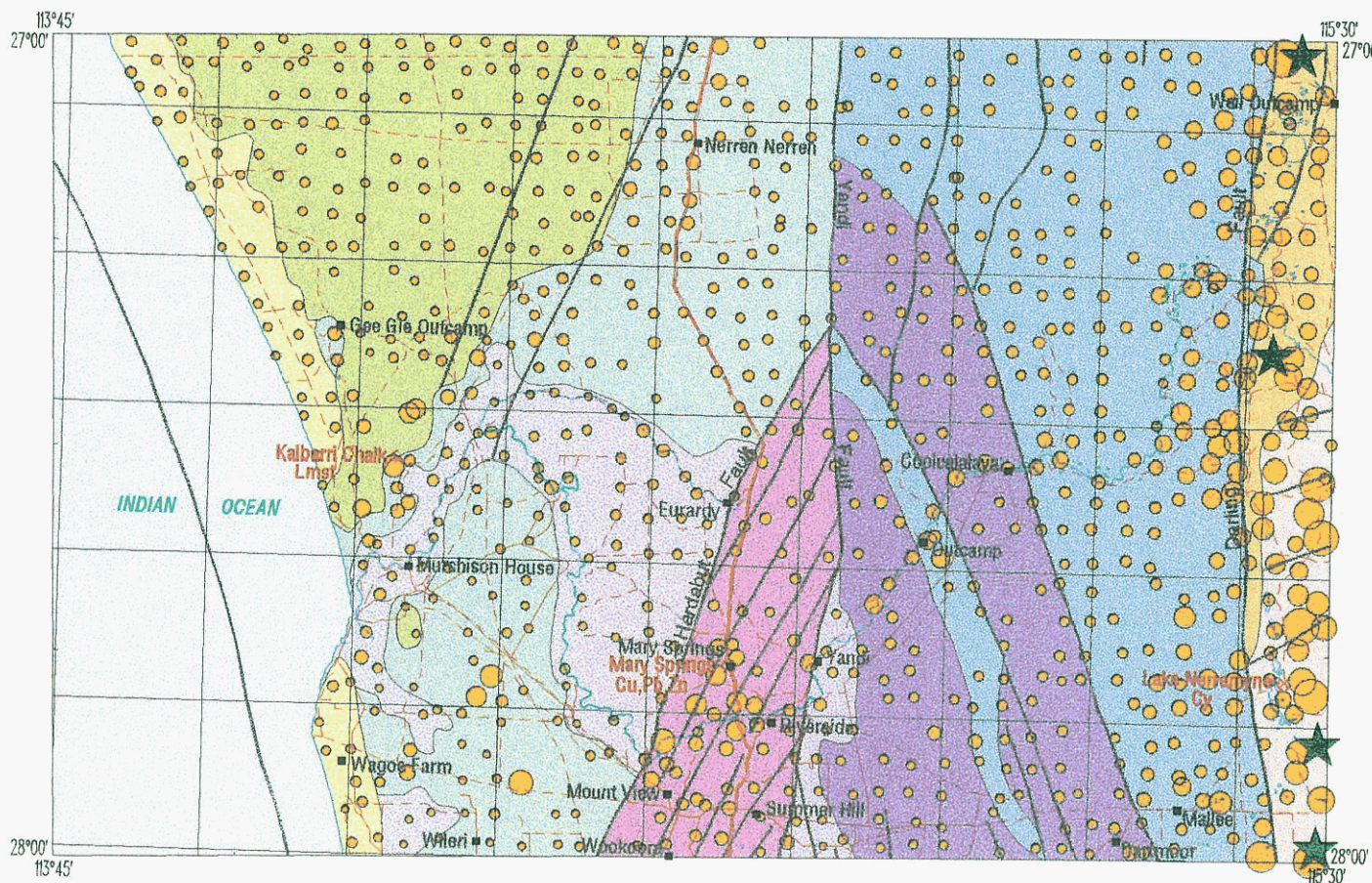
Maximum value is 16.15 %



Below 0.01 % theoretical detection limit

> 14.48 %

- |                       |                  |           |
|-----------------------|------------------|-----------|
| — Geological boundary | ✕ Mary Springs   | Mine      |
| - - - Fault           | ✕ Kalbarri Chalk | Prospect  |
| — Highway             | ✕ Lake Narramyne | Openpit   |
| — Formed road         | Cy               | Clay      |
| - - - Track           | Cu               | Copper    |
| — Watercourse         | Pb               | Lead      |
| ■ Yandi Homestead     | Lst              | Limestone |
|                       | Zn               | Zinc      |



SCALE 1:1 000 000

0 10 20 30 40 50 km

AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



# MnO MANGANESE OXIDE

Maximum value is 0.224 %



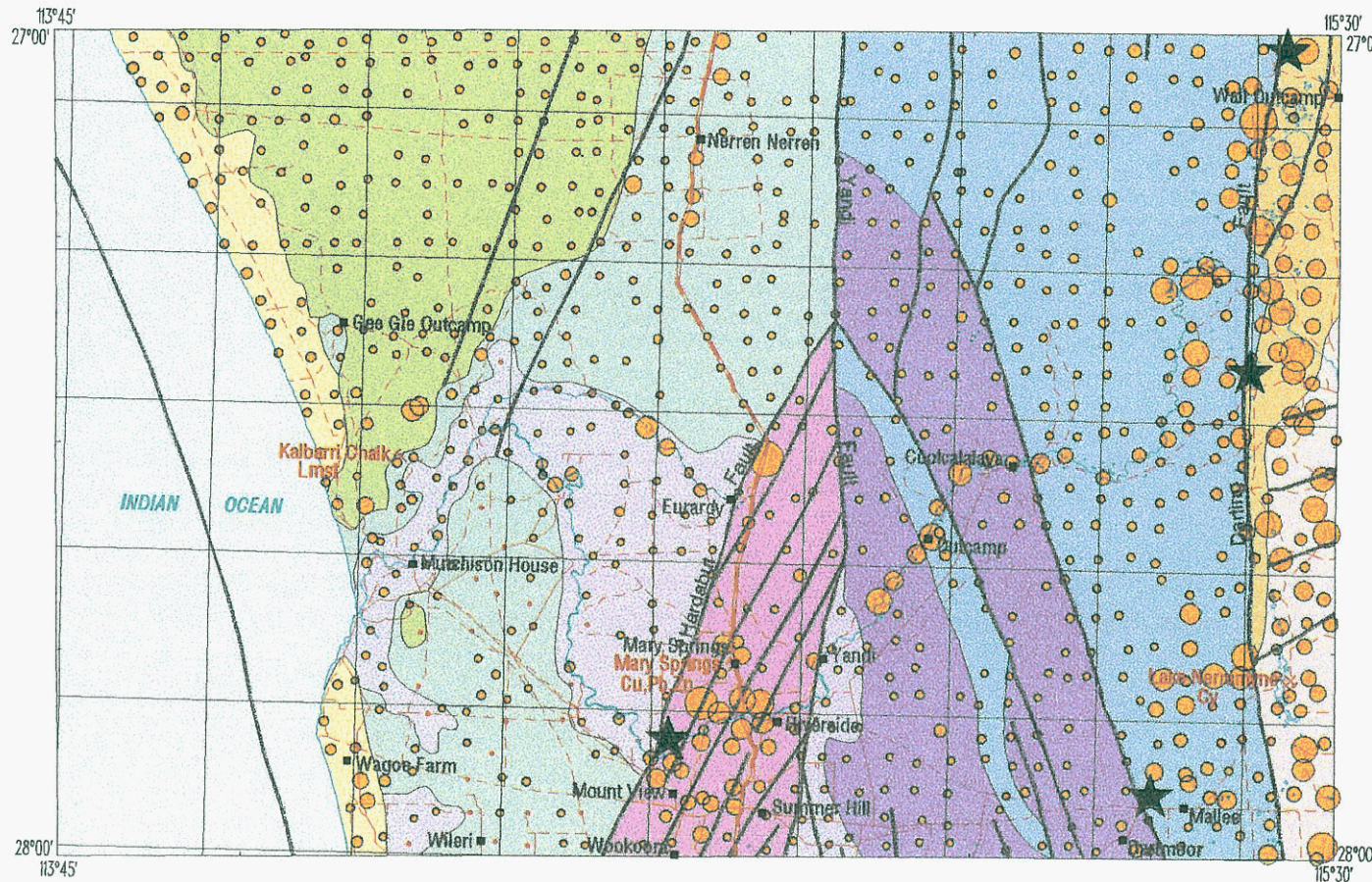
• Below 0.001 % theoretical detection limit

★ > 0.132 %

- |                       |                   |           |
|-----------------------|-------------------|-----------|
| — Geological boundary | ✂ Mary Springs    | Mine      |
| — Fault               | ✂ Kalbarri Chalk  | Prospect  |
| — Highway             | ✂ Lake Narramynne | Openpit   |
| — Formed road         | Gy                | Clay      |
| — Track               | Cu                | Copper    |
| — Watercourse         | Pb                | Lead      |
| ■ Yandi Homestead     | Lst               | Limestone |
|                       | Zn                | Zinc      |

AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



SCALE 1:1 000 000

0 10 20 30 40 50 km

Figure 8



# MgO MAGNESIUM OXIDE

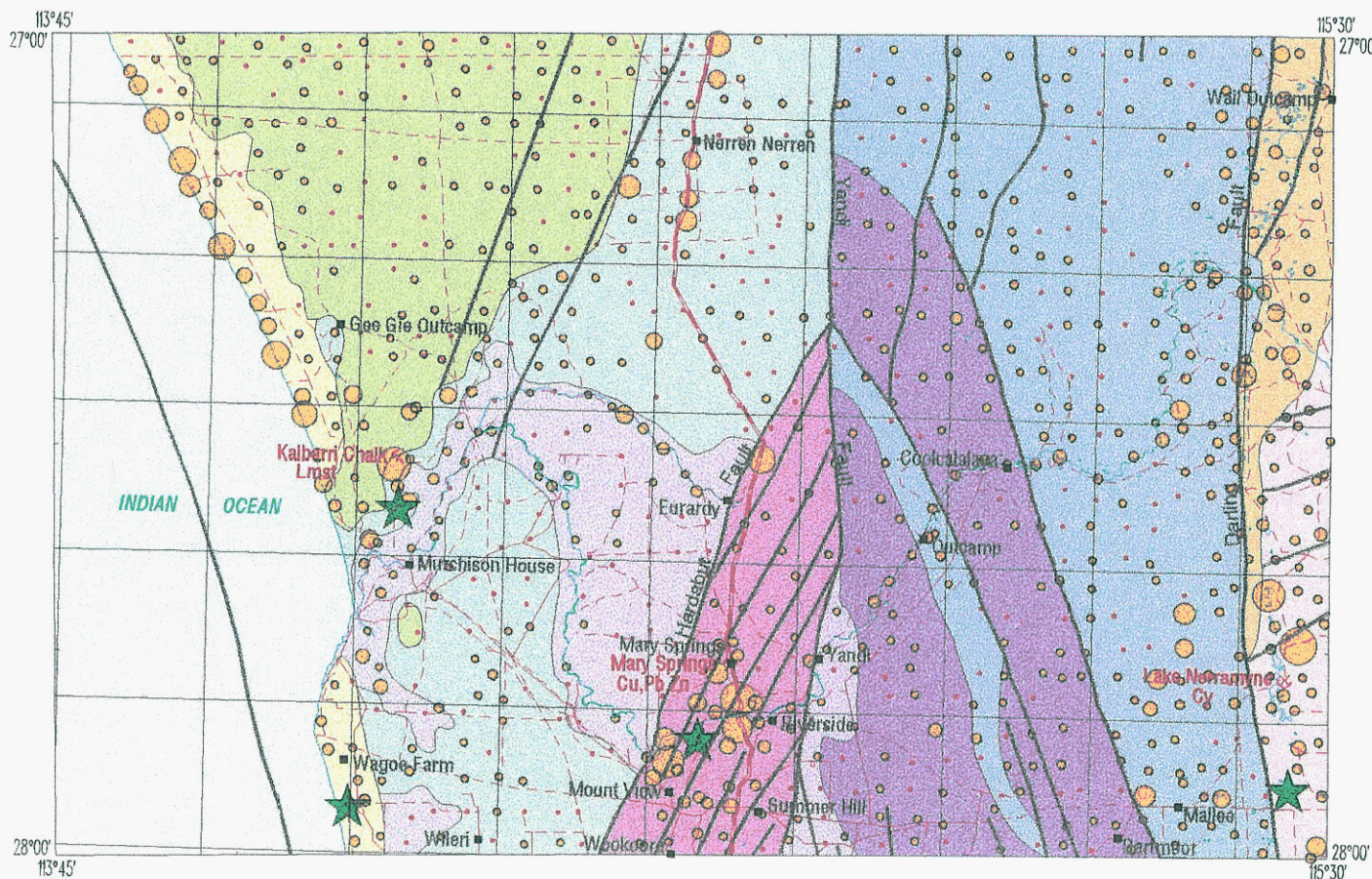
Maximum value is 12.99 %



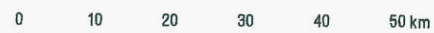
Below 0.01 % theoretical detection limit

★ > 3.05 %

- |                       |                   |           |
|-----------------------|-------------------|-----------|
| — Geological boundary | ✕ Mary Springs    | Mine      |
| - - - Fault           | ✕ Kalbarri Chalk  | Prospect  |
| — Highway             | ✕ Lake Narraminye | Openpit   |
| — Formed road         | Cy                | Clay      |
| - - - Track           | Cu                | Copper    |
| — Watercourse         | Pb                | Lead      |
| ■ Yandi Homestead     | Lst               | Limestone |
|                       | Zn                | Zinc      |



SCALE 1:1 000 000



AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



# CaO CALCIUM OXIDE

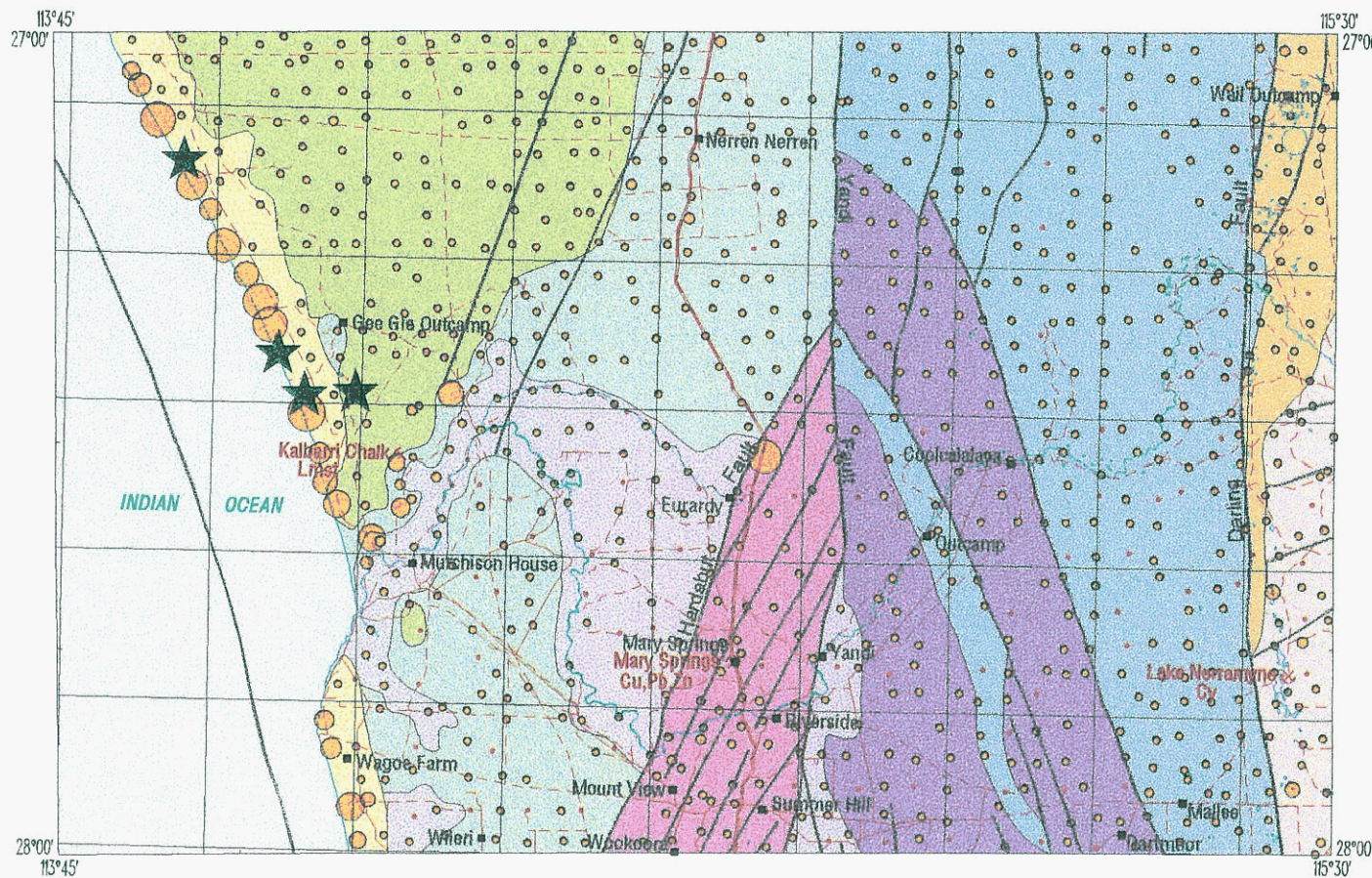
Maximum value is 37.9 %



Below 0.1 % theoretical detection limit

> 30.3 %

- |                       |                    |           |
|-----------------------|--------------------|-----------|
| — Geological boundary | ✕ Mary Springs     | Mine      |
| - - - Fault           | ✕ Kalbarri Chalk   | Prospect  |
| — Highway             | ✕ Lake Nerraminyne | Openpit   |
| — Formed road         | Cy                 | Clay      |
| - - - Track           | Cu                 | Copper    |
| — Watercourse         | Pb                 | Lead      |
| ■ Yandi Homestead     | Lst                | Limestone |
|                       | Zn                 | Zinc      |



SCALE 1:1 000 000



AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



# Na<sub>2</sub>O SODIUM OXIDE

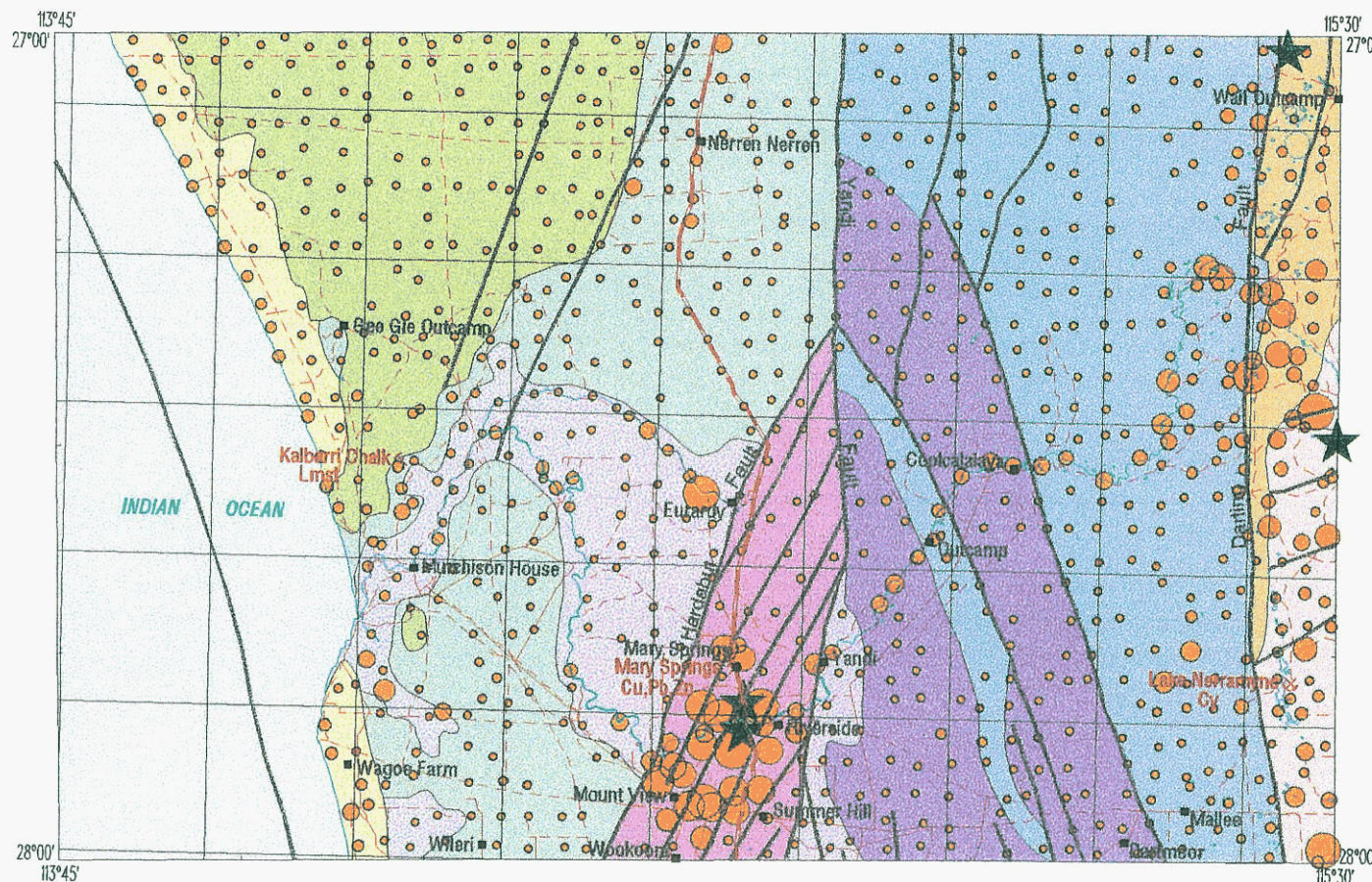
Maximum value is 1.839 %



• Below 0.002 % theoretical detection limit

★ > 1.090 %

- |                       |                  |           |
|-----------------------|------------------|-----------|
| — Geological boundary | ✕ Mary Springs   | Mine      |
| — Fault               | ✕ Kalbarri Chalk | Prospect  |
| — Highway             | ✕ Lake Narramyne | Openpit   |
| — Formed road         | Cy               | Clay      |
| — Track               | Cu               | Copper    |
| — Watercourse         | Pb               | Lead      |
| ■ Yandi Homestead     | Lst              | Limestone |
|                       | Zn               | Zinc      |



SCALE 1:1 000 000

0 10 20 30 40 50 km

AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



# K<sub>2</sub>O POTASSIUM OXIDE

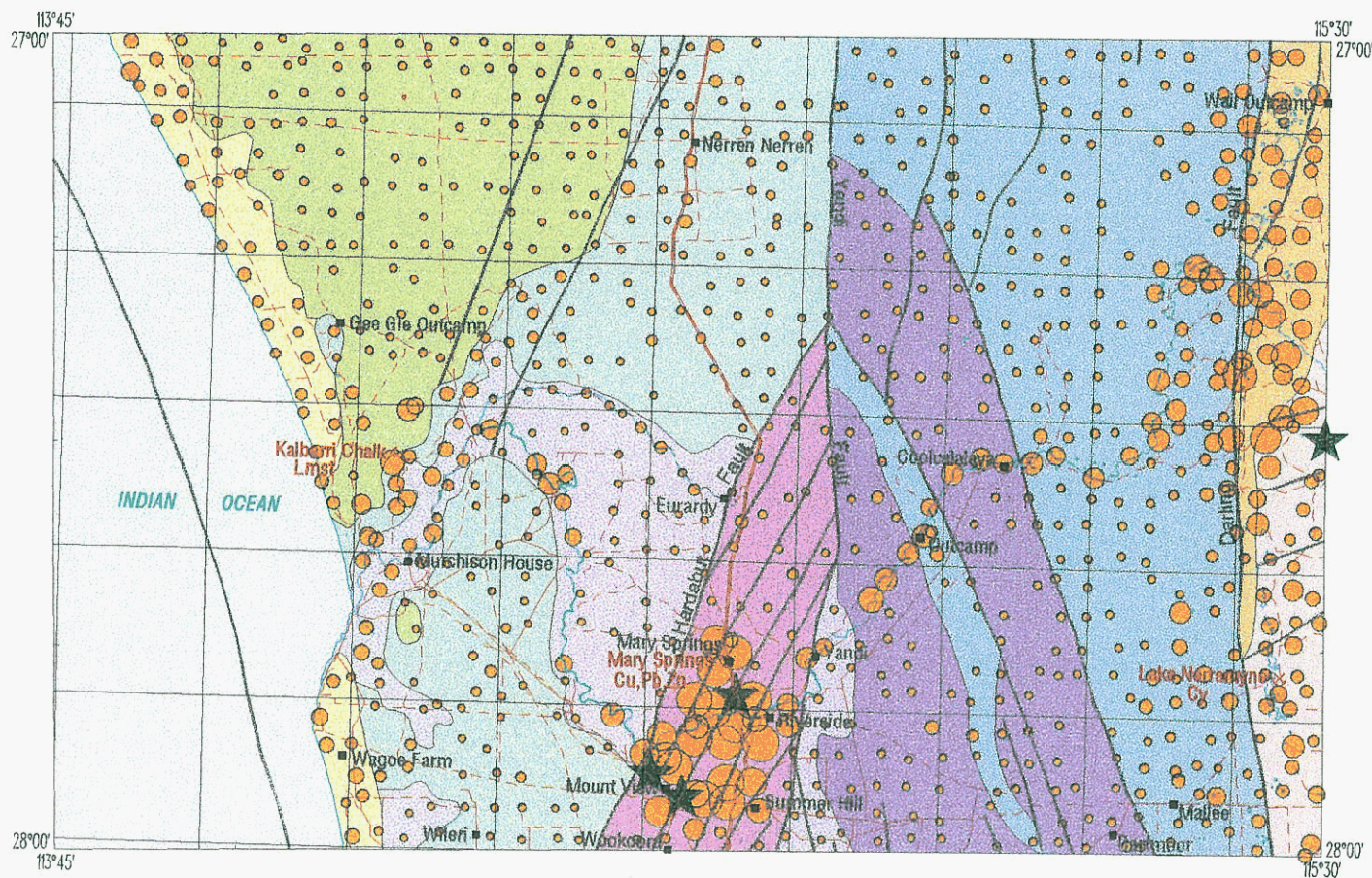
Maximum value is 3.48 %



• Below 0.02 % theoretical detection limit

★ > 3.01 %

- |       |                     |   |                |           |
|-------|---------------------|---|----------------|-----------|
| —     | Geological boundary | ✂ | Mary Springs   | Mine      |
| - - - | Fault               | ✂ | Kalbarri Chalk | Prospect  |
| —     | Highway             | ✂ | Lake Narramyne | Openpit   |
| —     | Formed road         |   | Cy             | Clay      |
| - - - | Track               |   | Cu             | Copper    |
| —     | Watercourse         |   | Pb             | Lead      |
| ■     | Yandi Homestead     |   | Lst            | Limestone |
|       |                     |   | Zn             | Zinc      |



SCALE 1:1 000 000

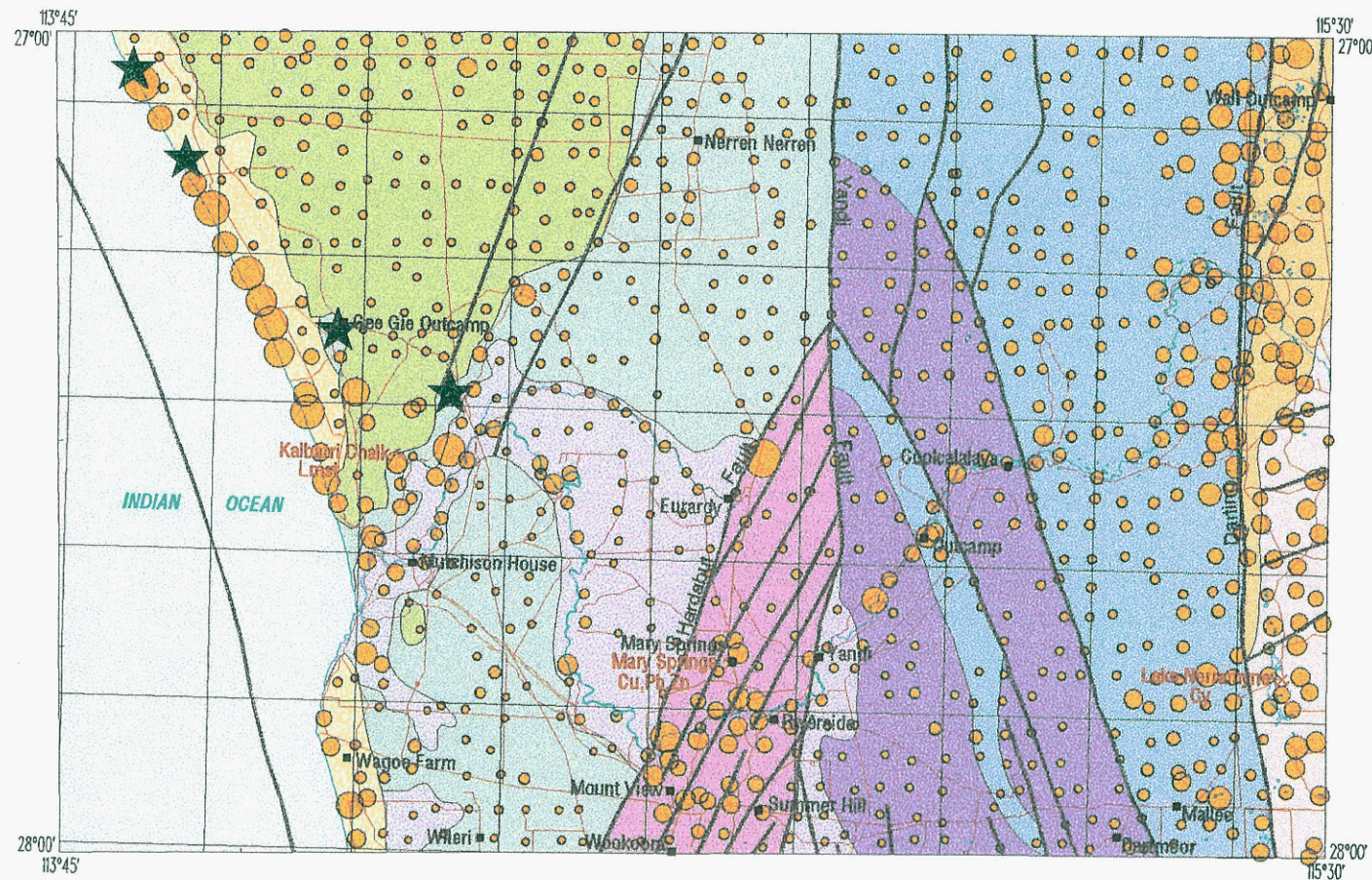
0 10 20 30 40 50 km

AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



# $P_2O_5$ PHOSPHORUS OXIDE



Maximum value is 0.248 %



• Below 0.002 % theoretical detection limit

★ > 0.150 %

- |                       |                    |           |
|-----------------------|--------------------|-----------|
| — Geological boundary | ✕ Mary Springs     | Mine      |
| — Fault               | ✕ Kalbarri Chalk   | Prospect  |
| — Highway             | ✕ Lake Narraminyne | Openpit   |
| — Formed road         | Cy                 | Clay      |
| — Track               | Cu                 | Copper    |
| — Watercourse         | Pb                 | Lead      |
| ■ Yandi Homestead     | Lst                | Limestone |
|                       | Zn                 | Zinc      |

AJANA

SHEET SG 50-13, part SG 49-16  
 First Edition 2000

SCALE 1:1 000 000





# LOI LOSS ON IGNITION

Maximum value is 32.86 %



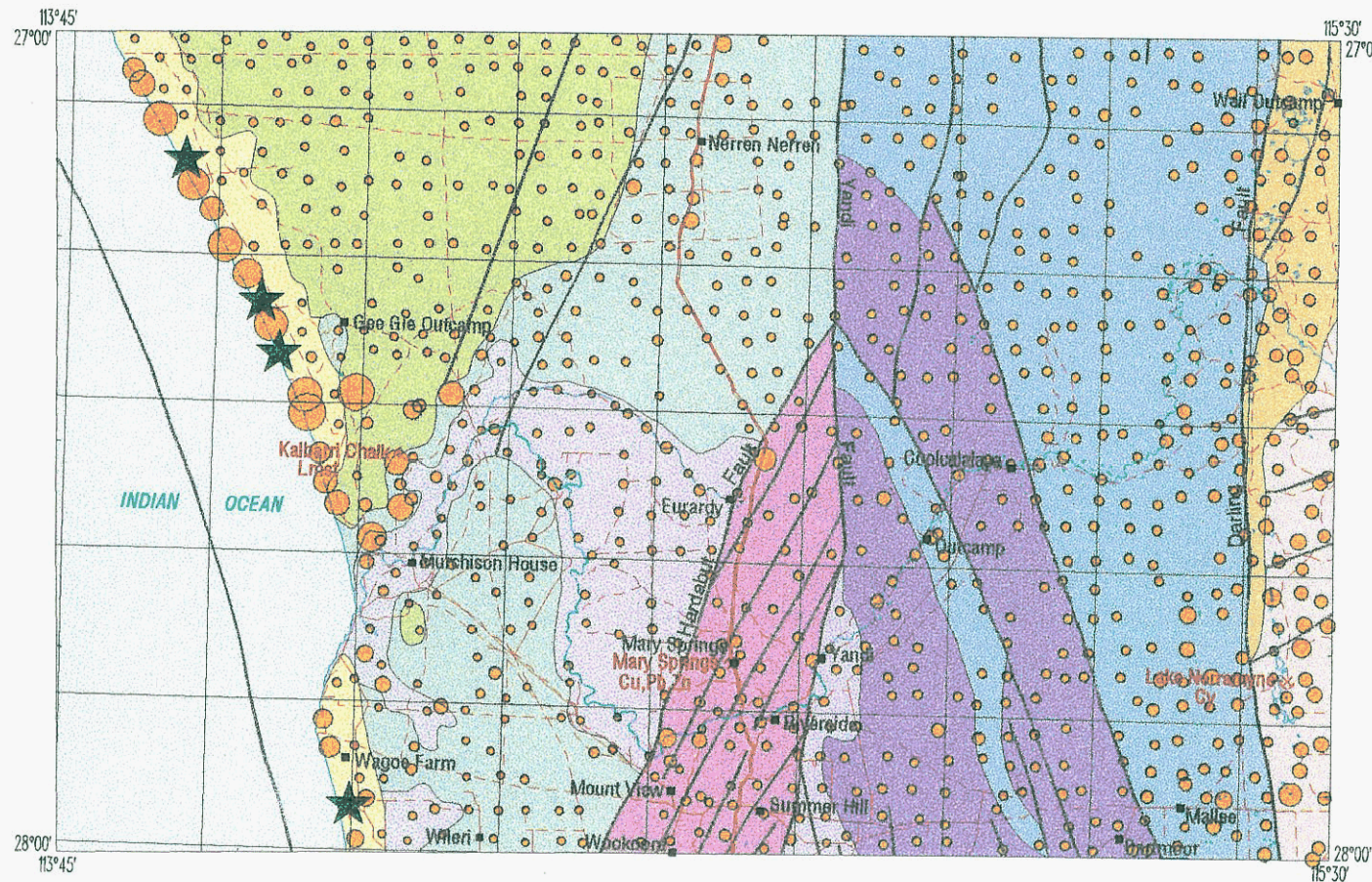
• Below 0.01 % theoretical detection limit

★ > 27.26 %

—	Geological boundary	✂	Mary Springs	Mine
- - -	Fault	✂	Kalbarri Chalk	Prospect
—	Highway	✂	Lake Narraminy	Openpit
—	Formed road		Cy	Clay
- - -	Track		Cu	Copper
—	Watercourse		Pb	Lead
■	Yandi Homestead		Lst	Limestone
			Zn	Zinc

AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



SCALE 1:1 000 000

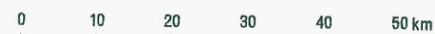
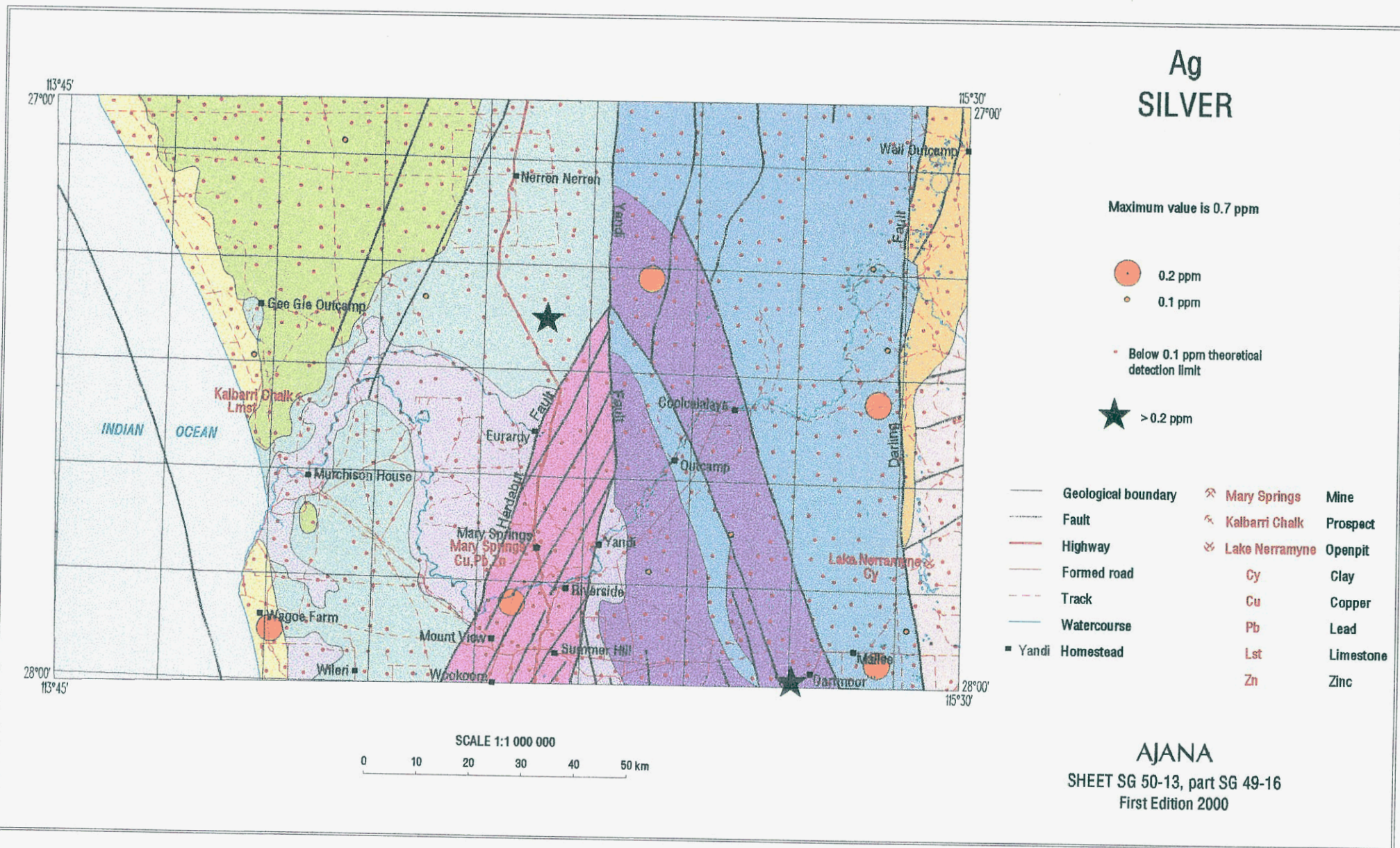
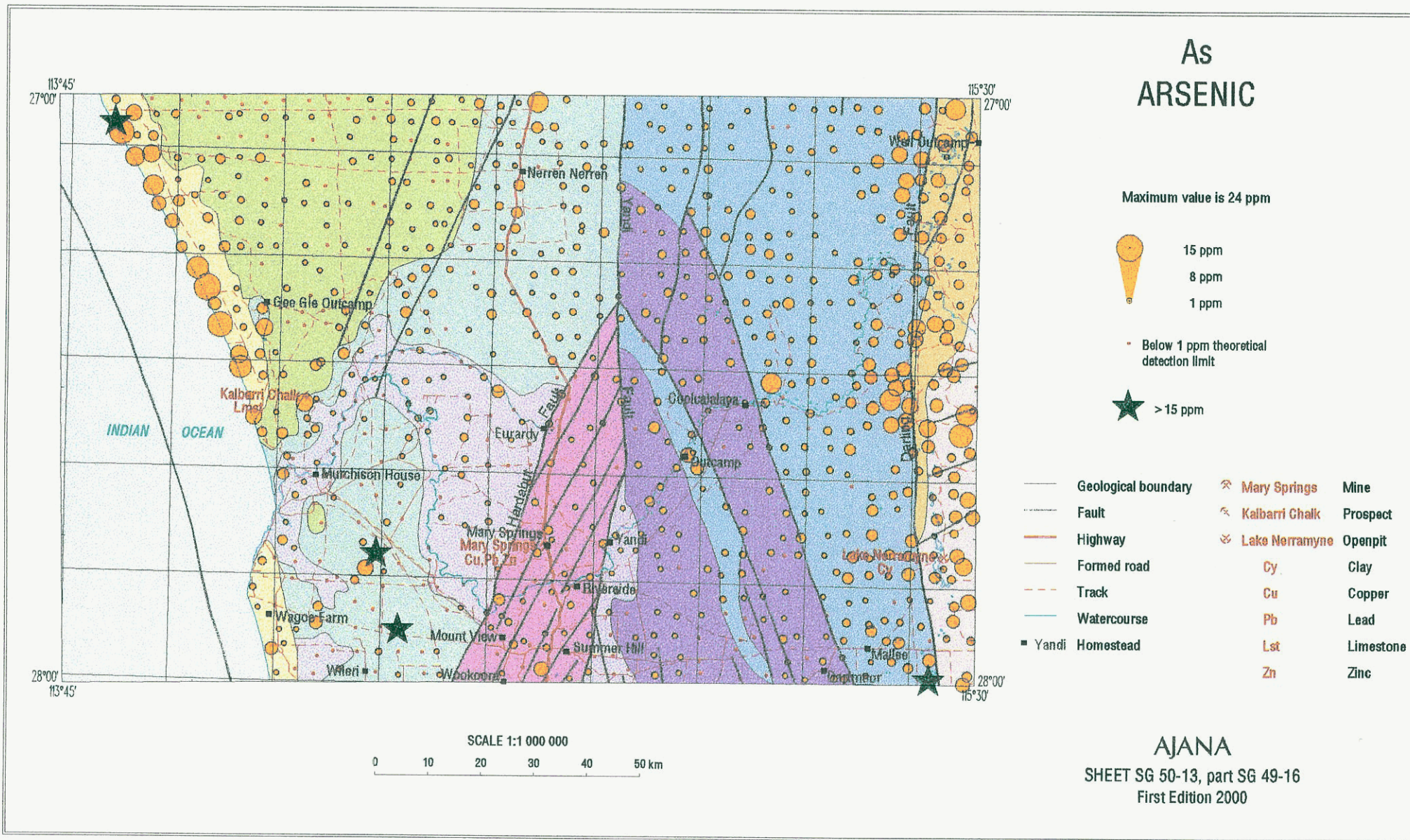


Figure 14











# Au GOLD

Maximum value is 6 ppb



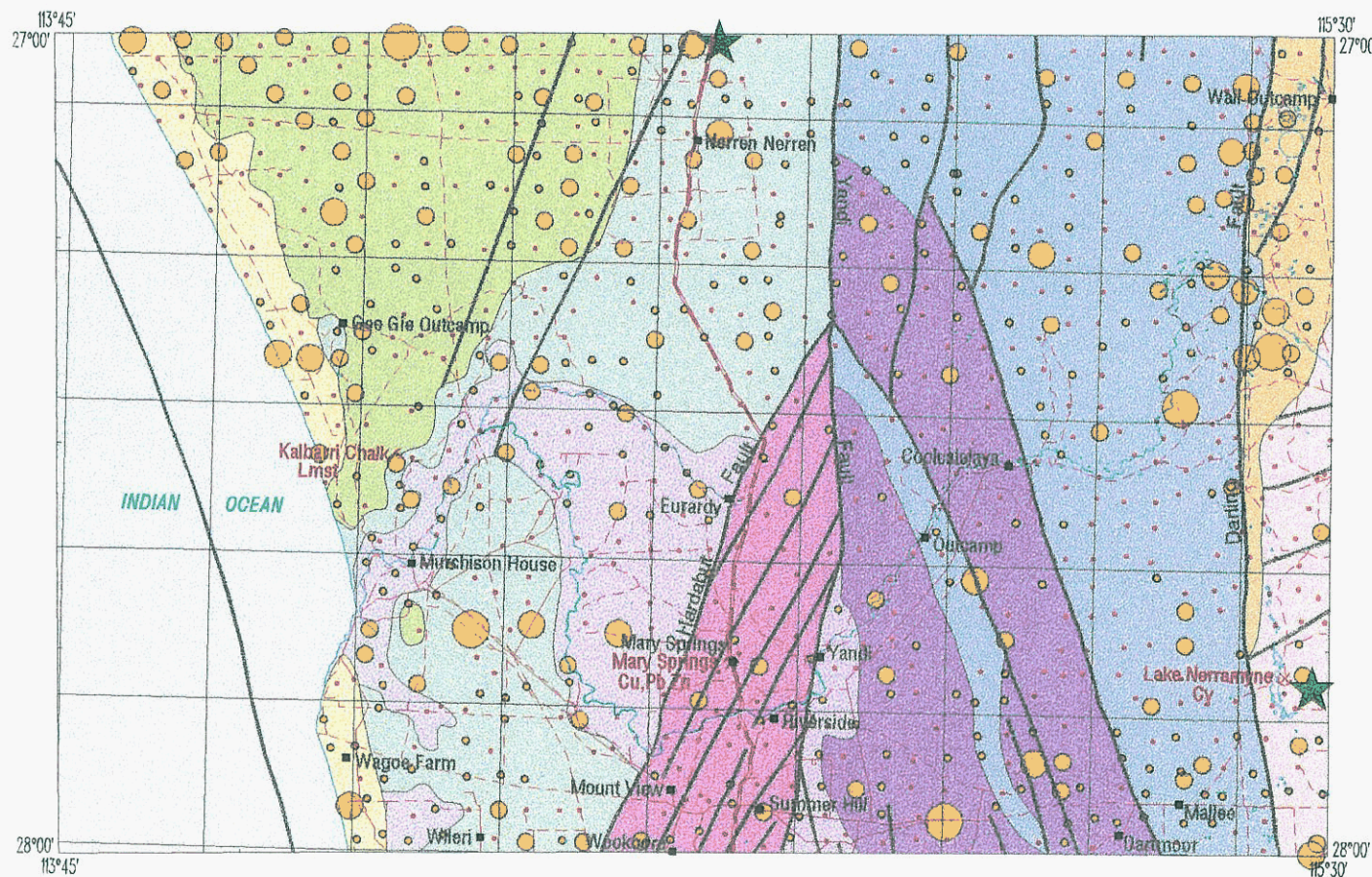
• Below 1 ppb theoretical detection limit

★ > 4 ppb

—	Geological boundary	✕ Mary Springs	Mine
---	Fault	✕ Kalbarri Chalk	Prospect
==	Highway	✕ Lake Narramayne	Openpit
---	Formed road	Cy	Clay
---	Track	Cu	Copper
---	Watercourse	Pb	Lead
■ Yandi	Homestead	Lst	Limestone
		Zn	Zinc

AJANA

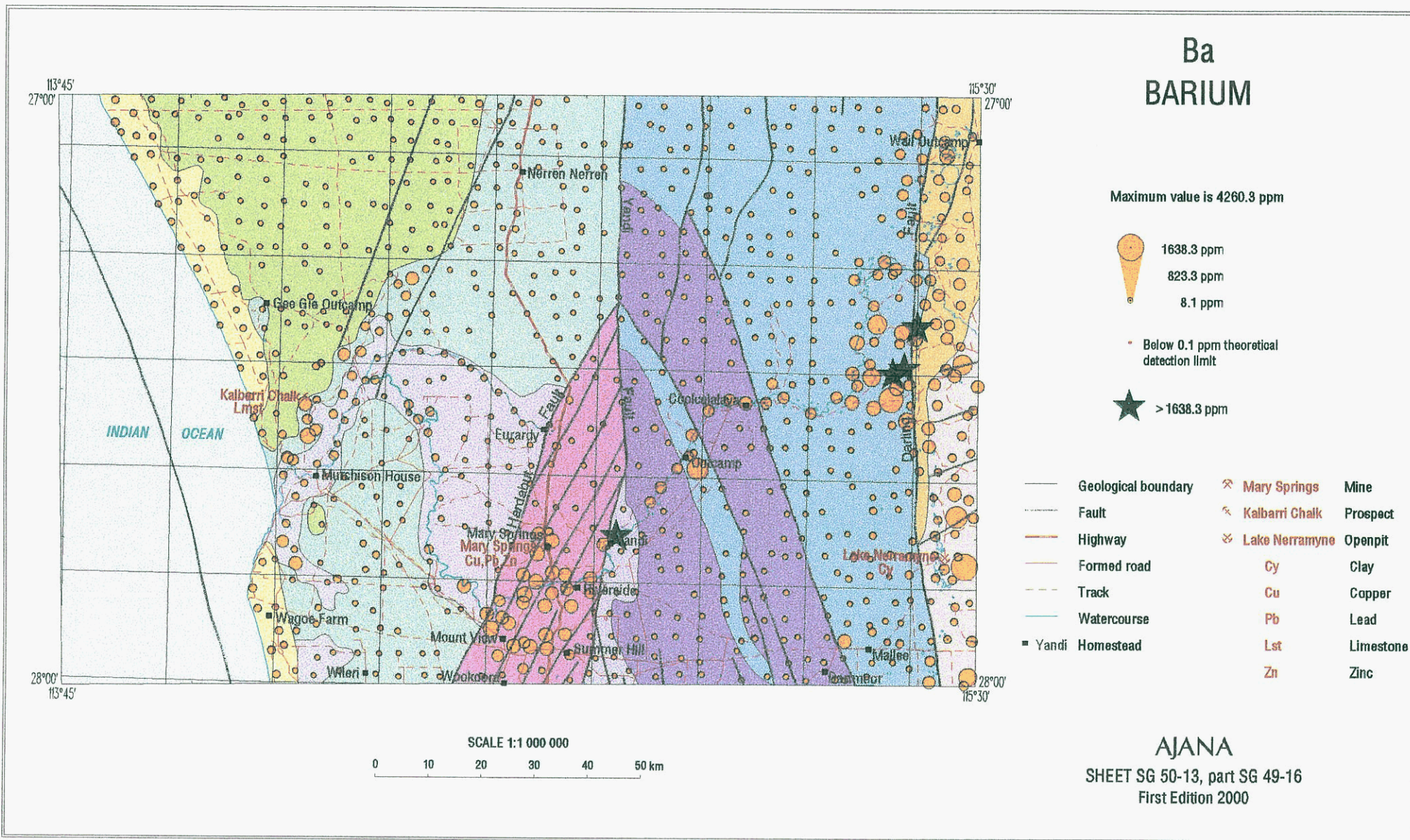
SHEET SG 50-13, part SG 49-16  
First Edition 2000



SCALE 1:1 000 000

0 10 20 30 40 50 km

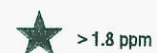




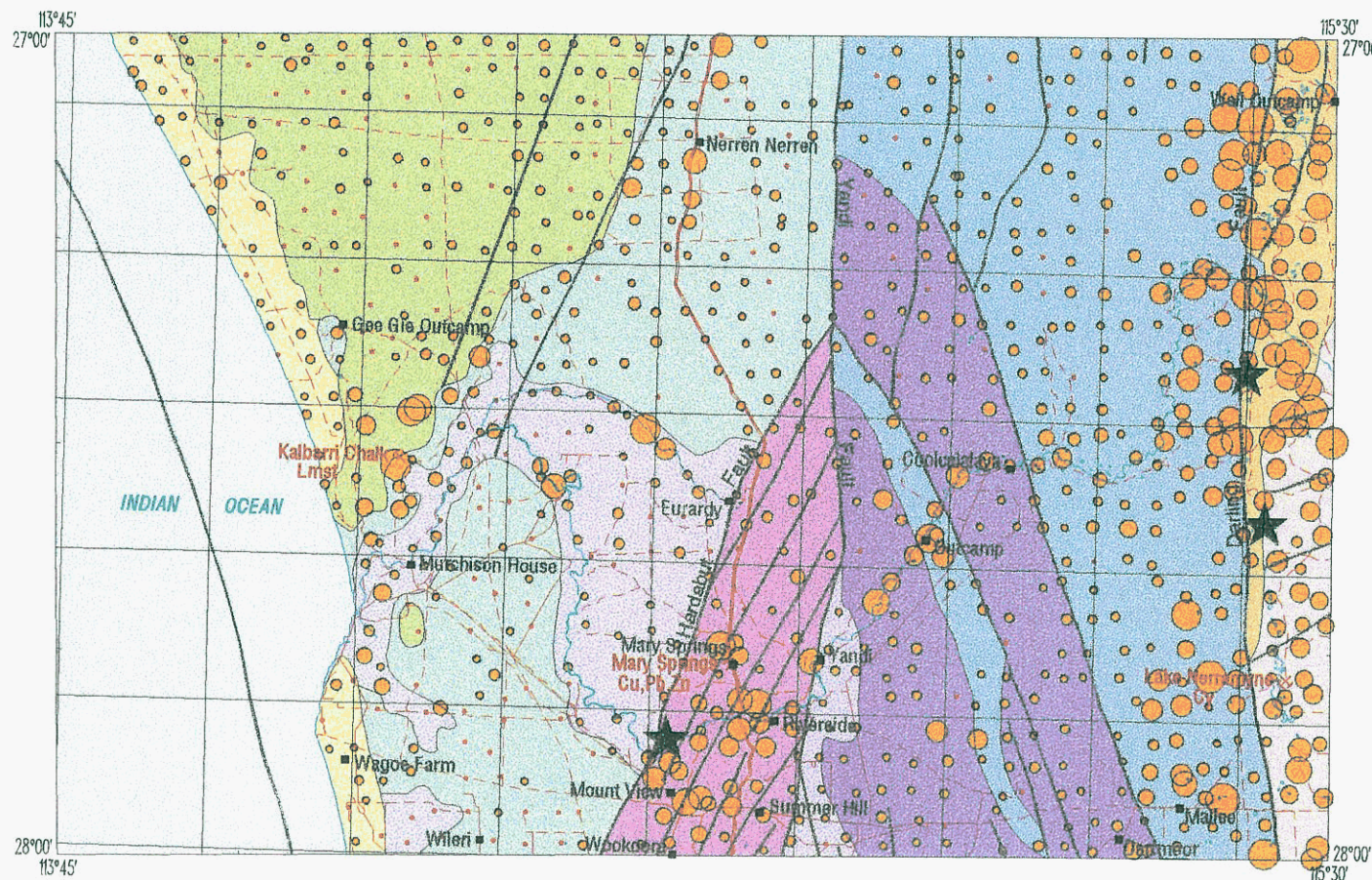


# Be BERYLLIUM

Maximum value is 2.2 ppm



- |                       |                  |           |
|-----------------------|------------------|-----------|
| — Geological boundary | ✂ Mary Springs   | Mine      |
| — Fault               | ✂ Kalbarri Chalk | Prospect  |
| — Highway             | ✂ Lake Narramyne | Openpit   |
| — Formed road         | Cy               | Clay      |
| — Track               | Cu               | Copper    |
| — Watercourse         | Pb               | Lead      |
| ■ Yandi Homestead     | Lst              | Limestone |
|                       | Zn               | Zinc      |

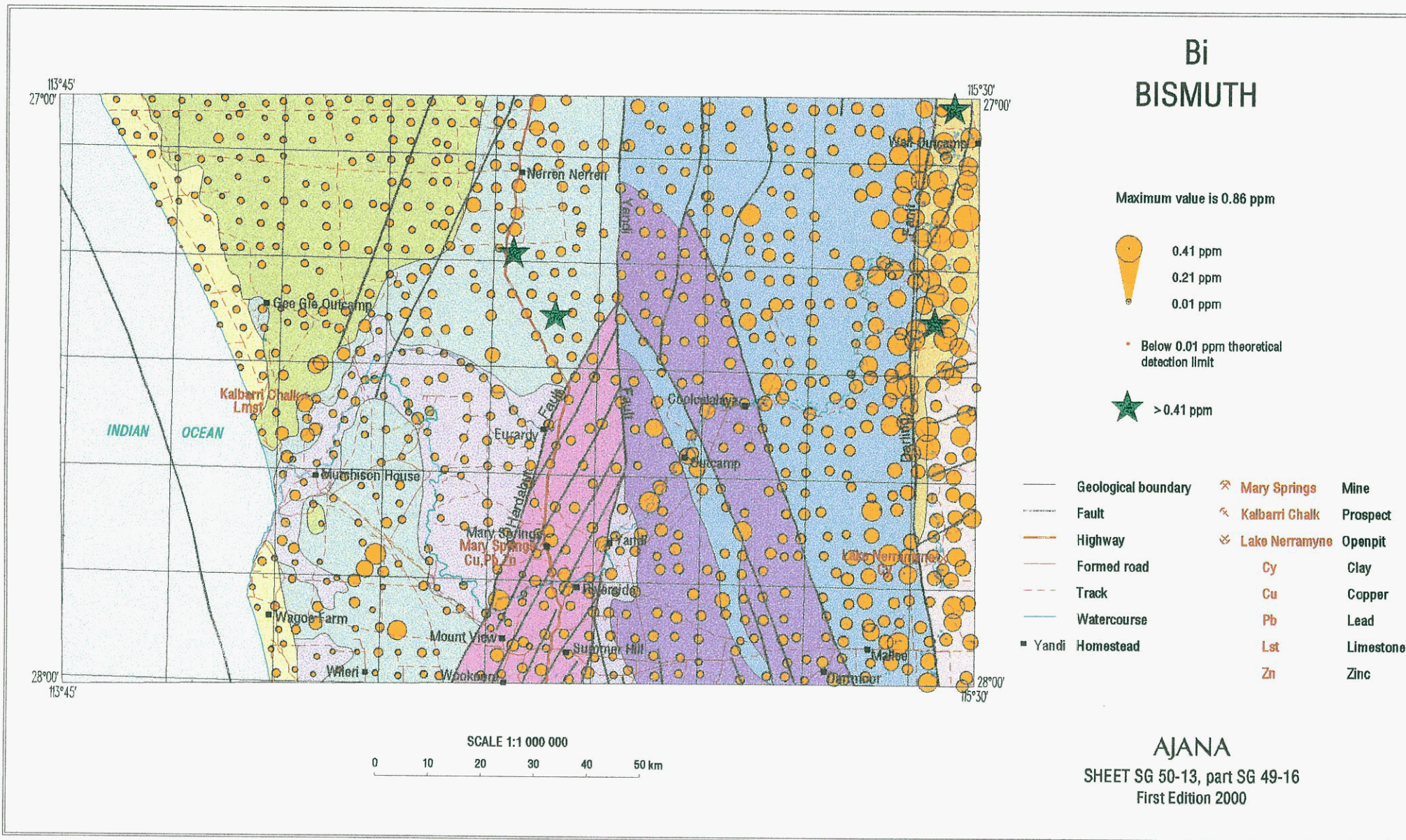


SCALE 1:1 000 000  
0 10 20 30 40 50 km

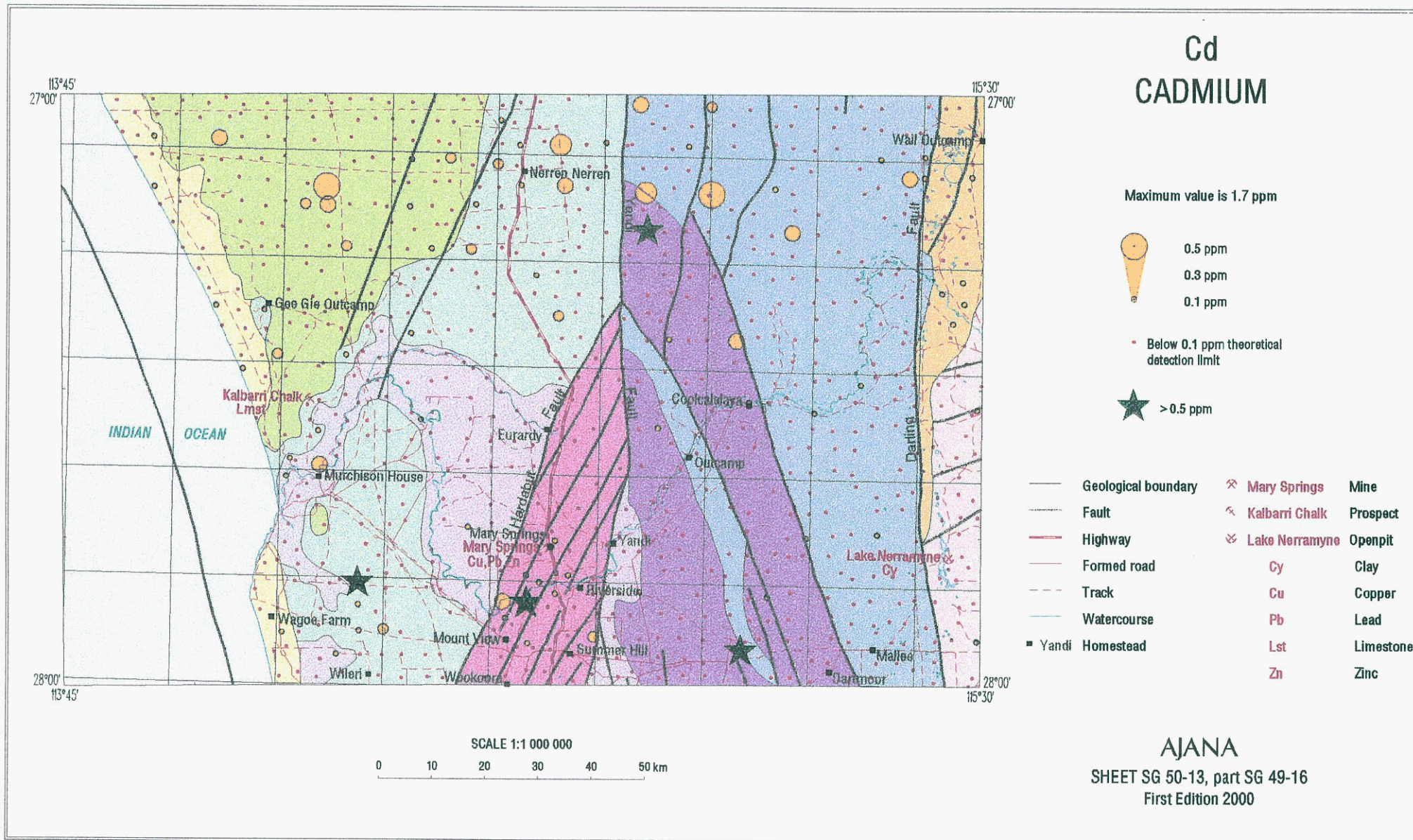
AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000





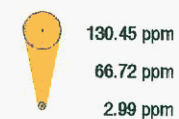






# Ce CERIUM

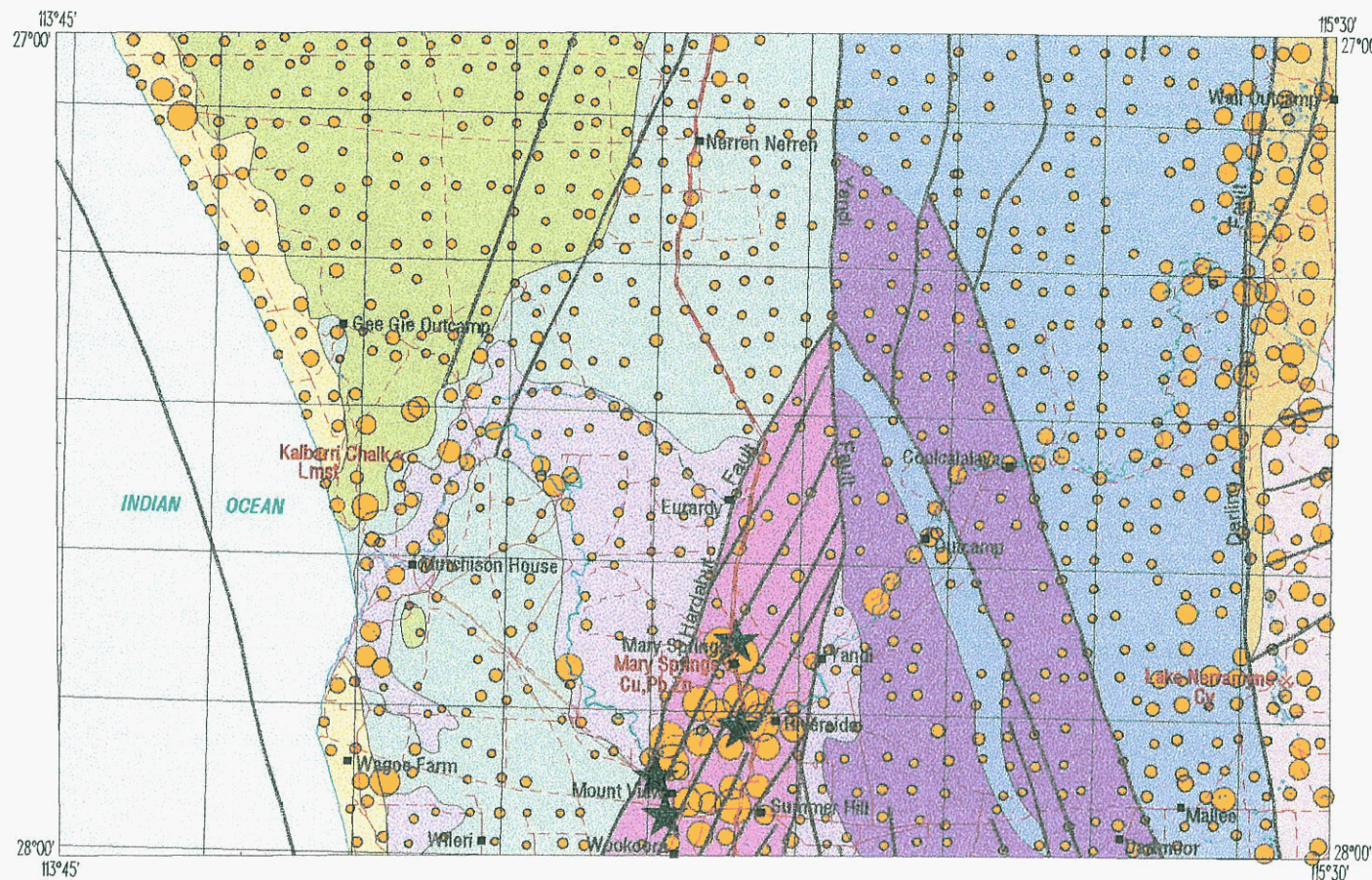
Maximum value is 228.31 ppm



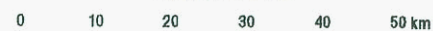
• Below 0.01 ppm theoretical detection limit



- |                       |                  |           |
|-----------------------|------------------|-----------|
| — Geological boundary | ✕ Mary Springs   | Mine      |
| — Fault               | ✕ Kalbarri Chalk | Prospect  |
| — Highway             | ✕ Lake Narramyne | Openpit   |
| — Formed road         | Cy               | Clay      |
| — Track               | Cu               | Copper    |
| — Watercourse         | Pb               | Lead      |
| ■ Yandi Homestead     | Lst              | Limestone |
|                       | Zn               | Zinc      |



SCALE 1:1 000 000



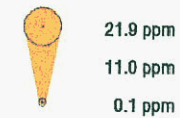
AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



# Co COBALT

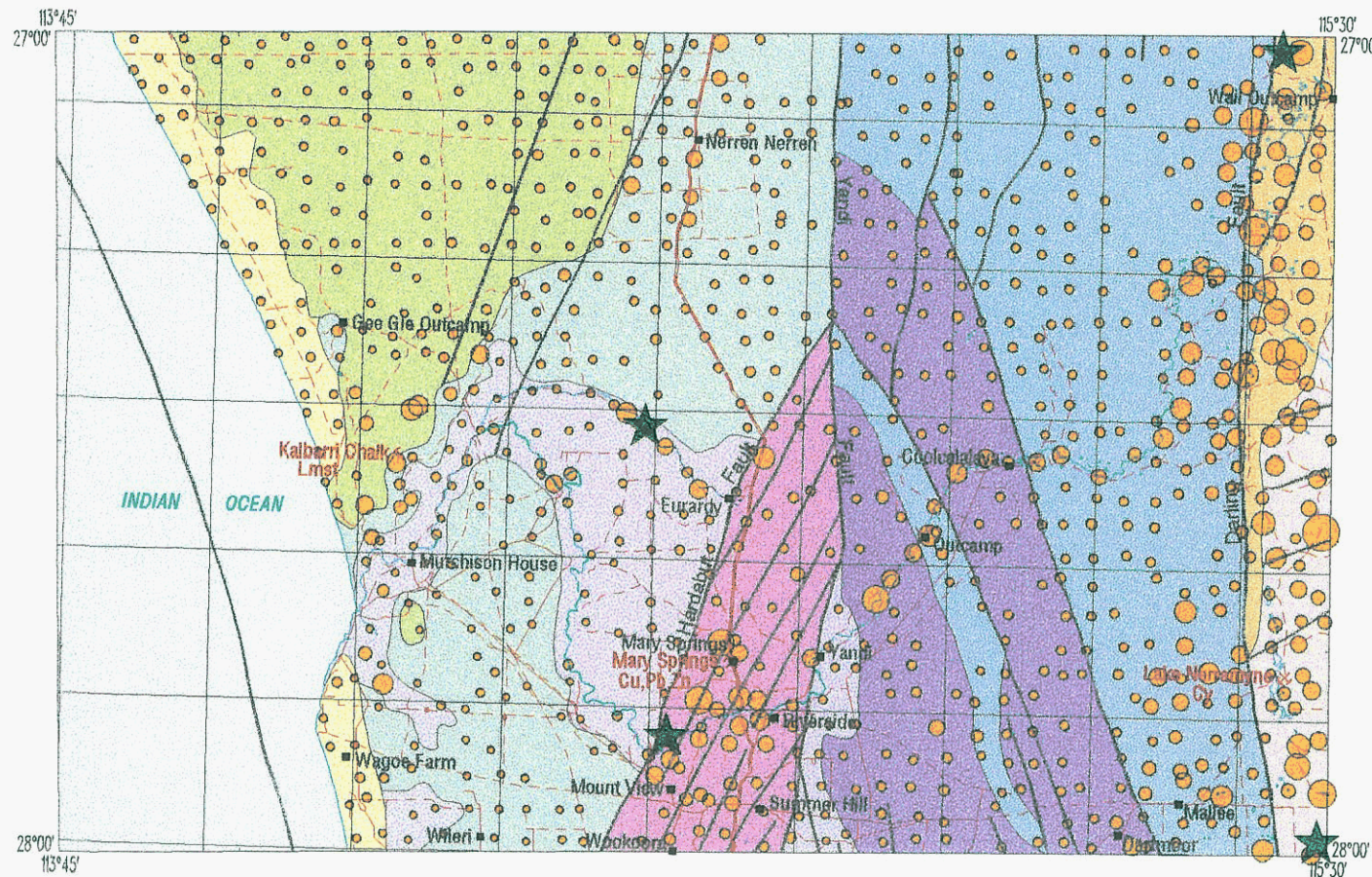
Maximum value is 33.4 ppm



• Below 0.1 ppm theoretical detection limit

★ >21.9 ppm

- |                       |                  |           |
|-----------------------|------------------|-----------|
| — Geological boundary | ✕ Mary Springs   | Mine      |
| - - - Fault           | ✕ Kalbarri Chalk | Prospect  |
| — Highway             | ✕ Lake Narramyne | Openpit   |
| — Formed road         | Cy               | Clay      |
| - - - Track           | Cu               | Copper    |
| — Watercourse         | Pb               | Lead      |
| ■ Yandi Homestead     | Lst              | Limestone |
|                       | Zn               | Zinc      |



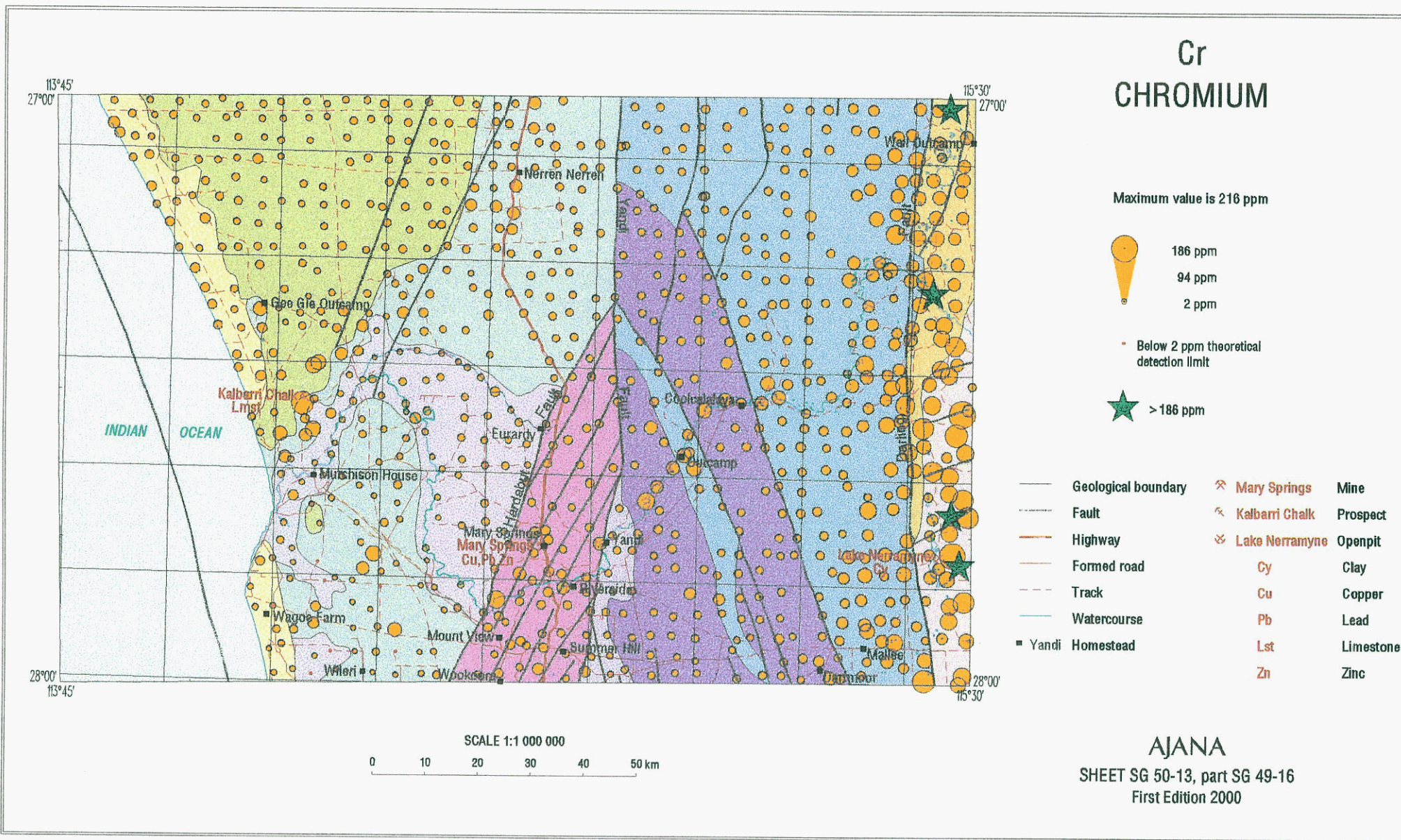
SCALE 1:1 000 000



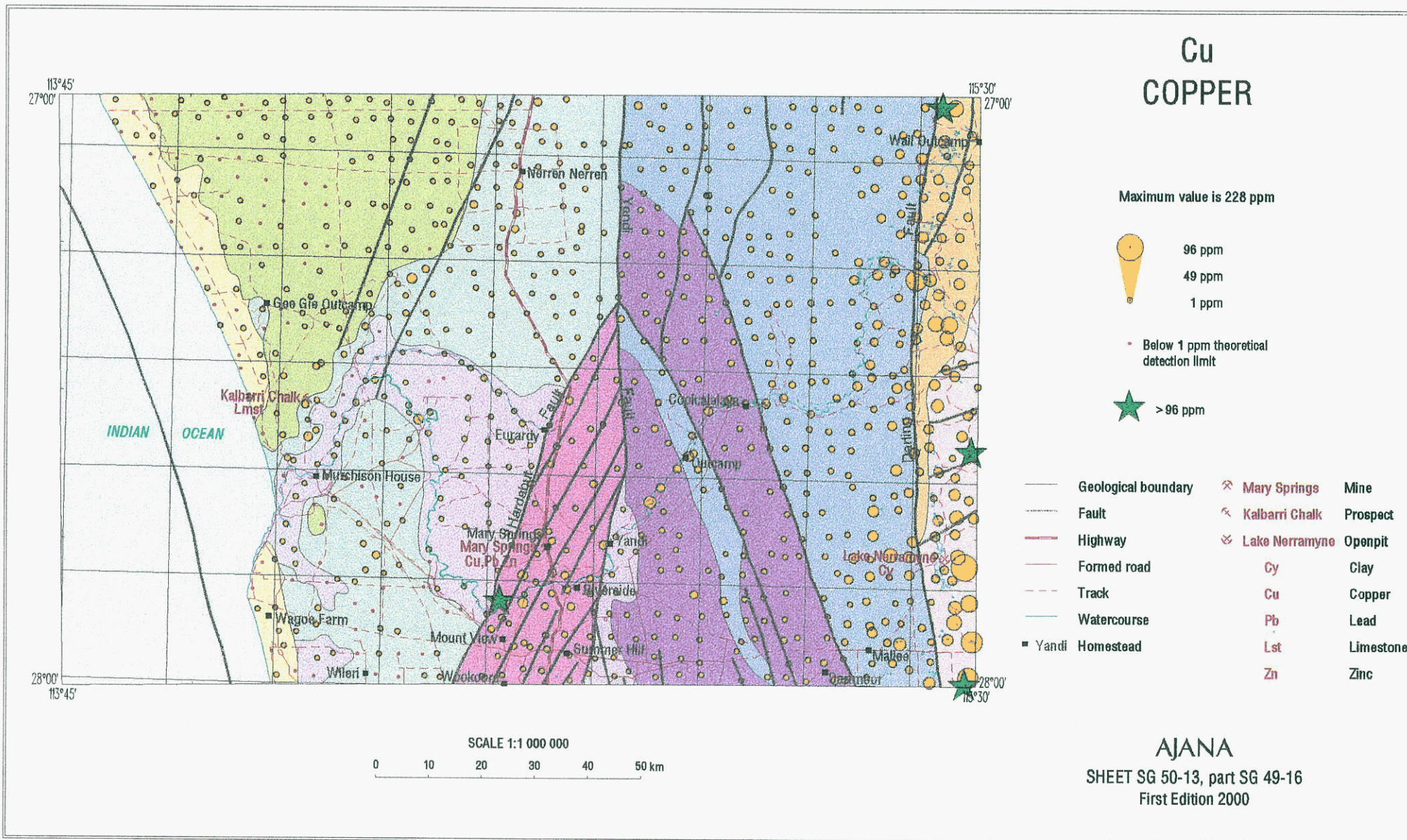
AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000

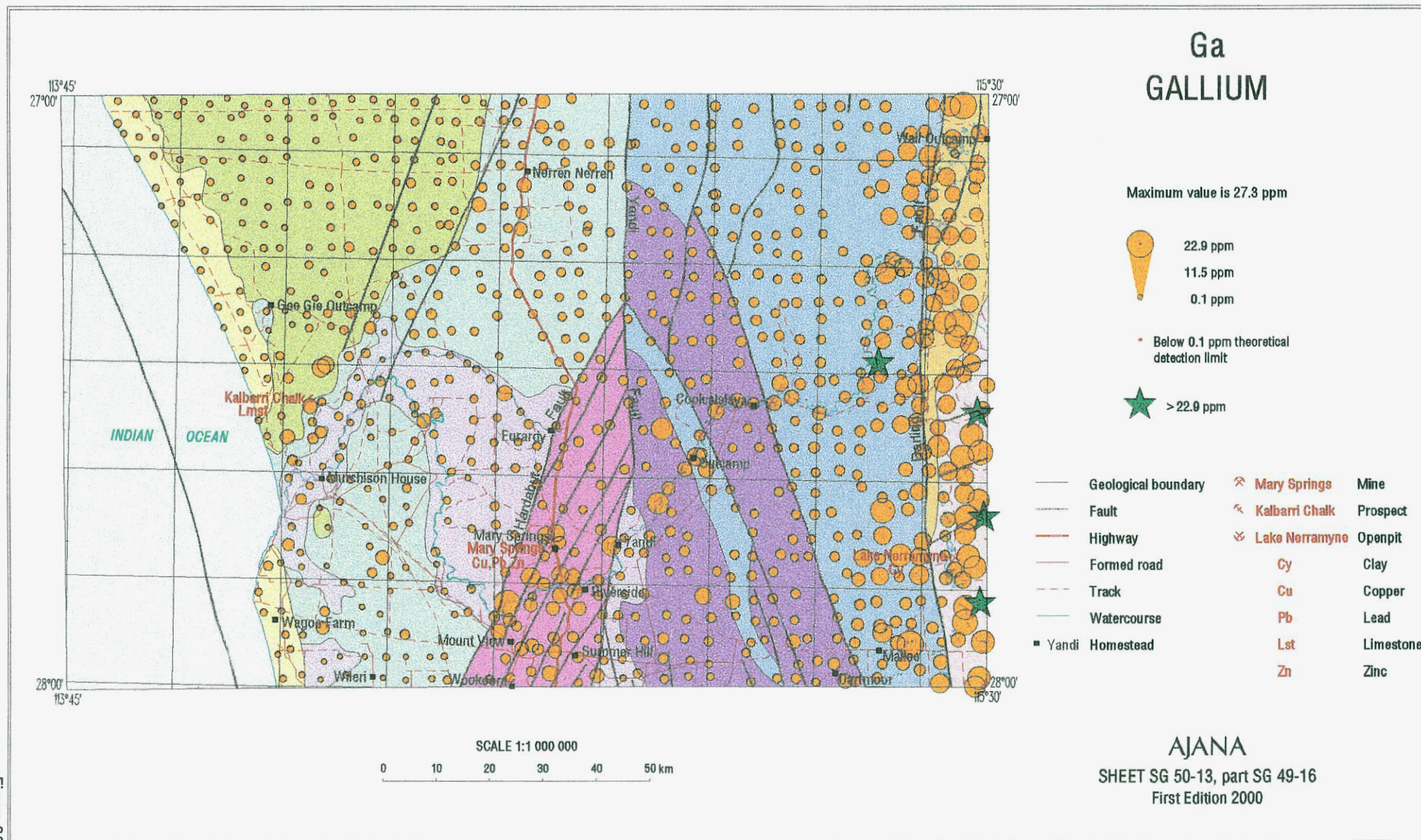




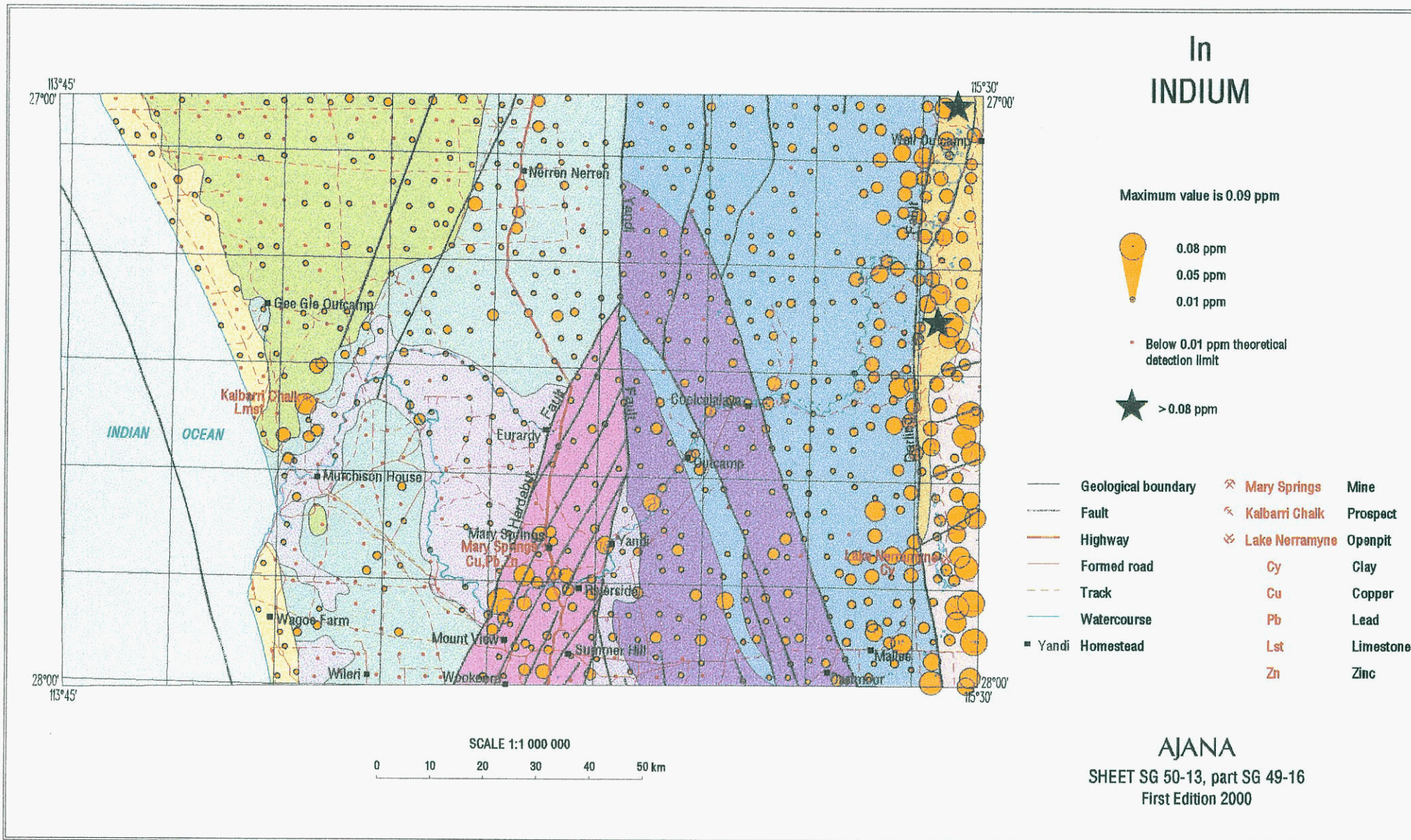




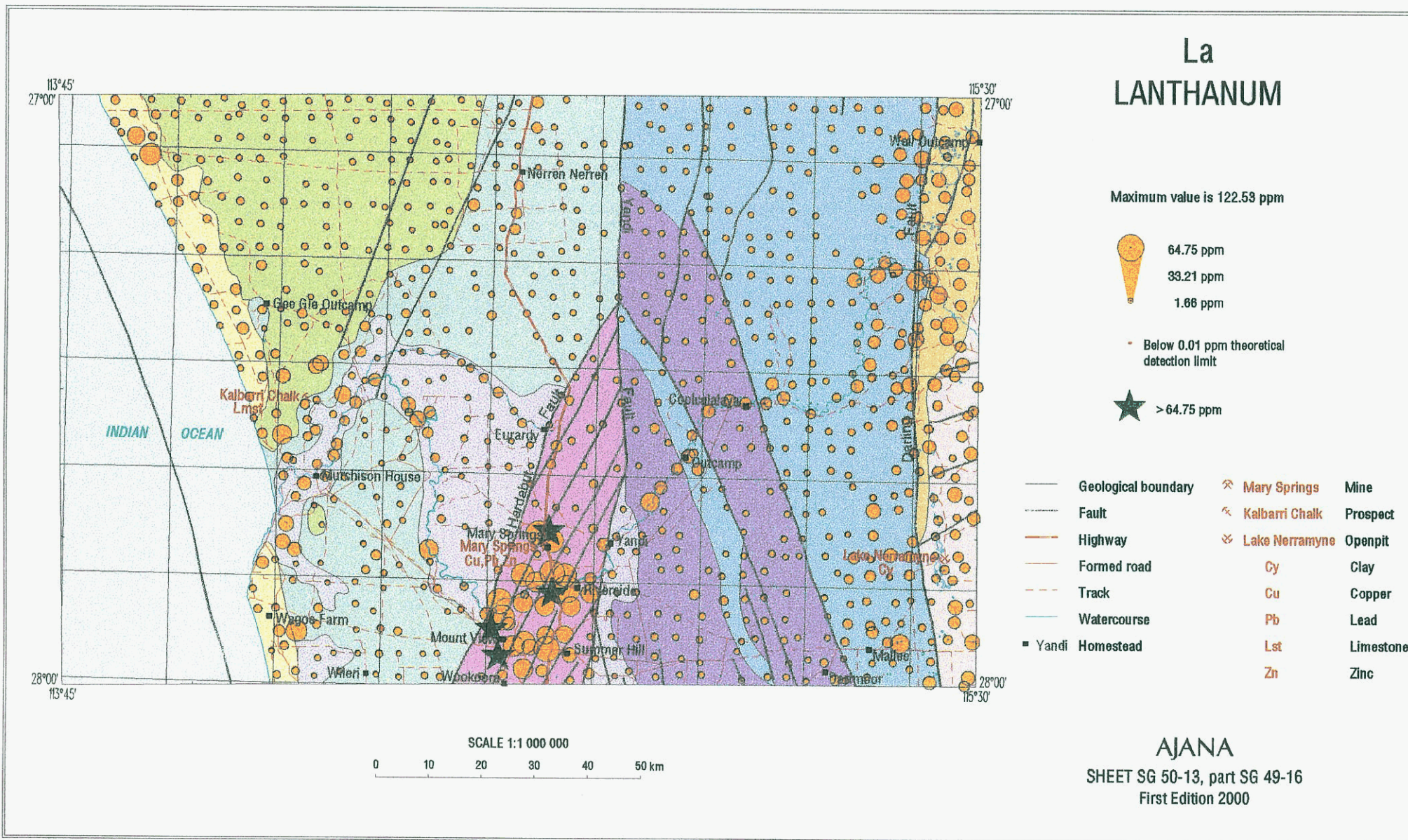




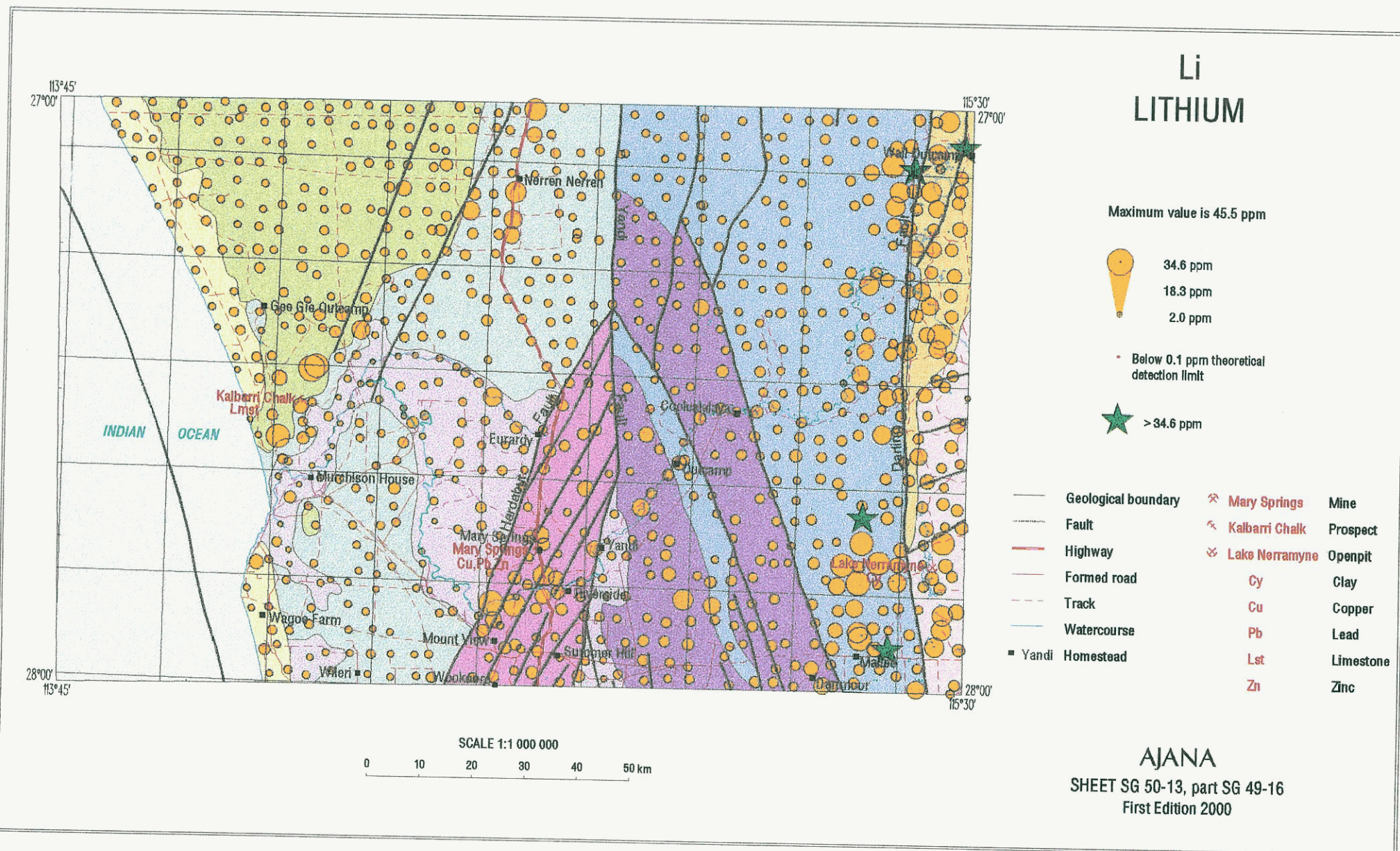




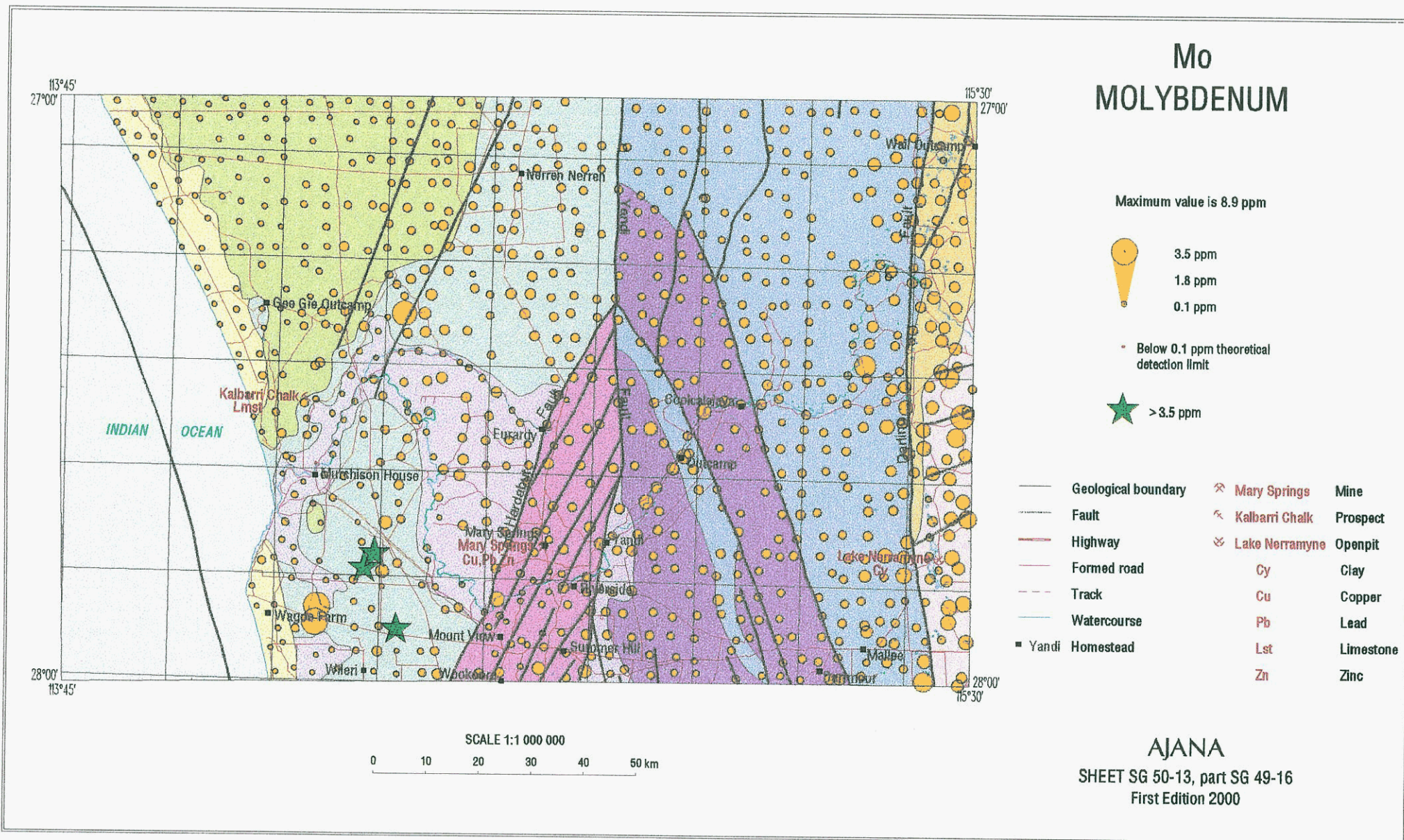




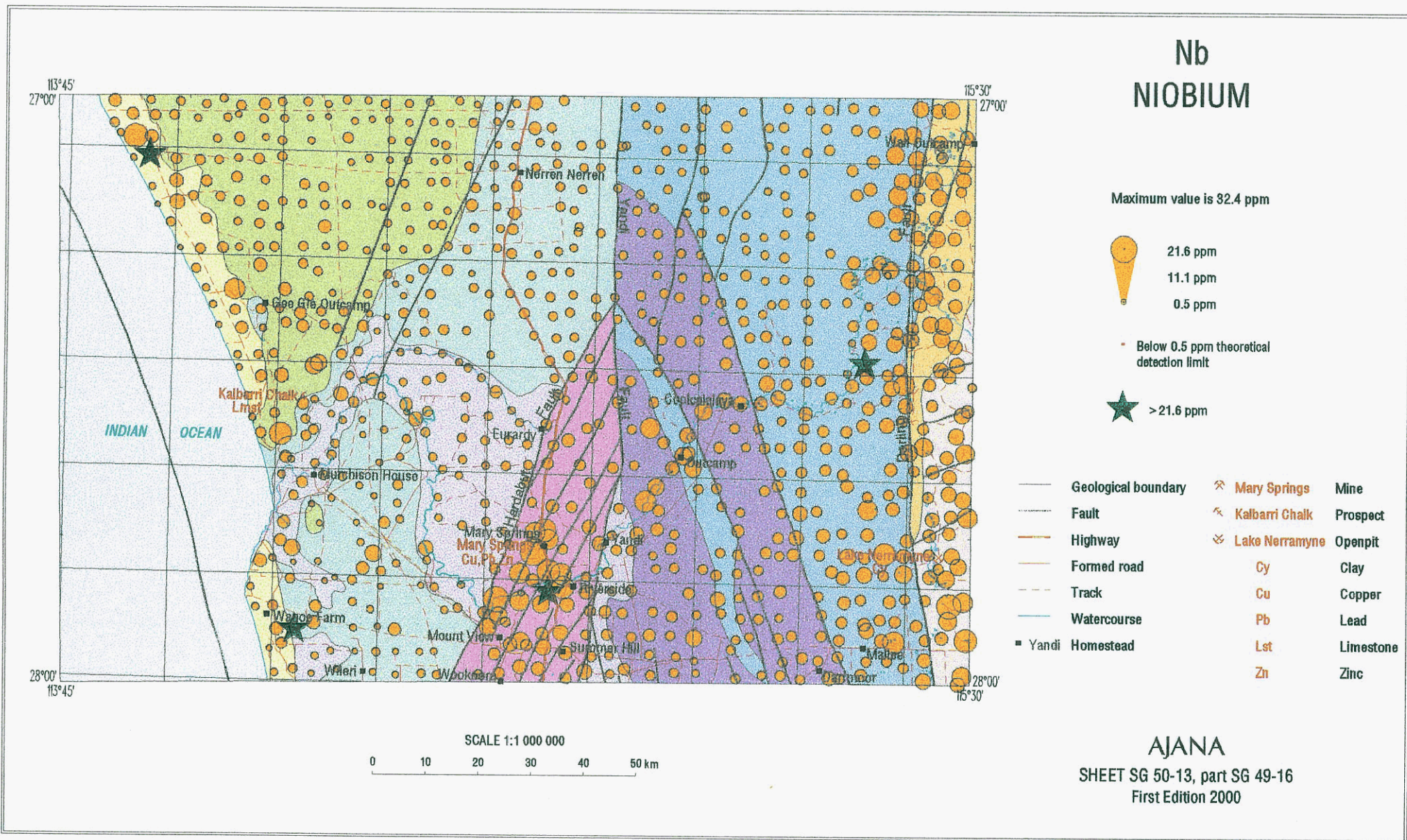














# Ni NICKEL

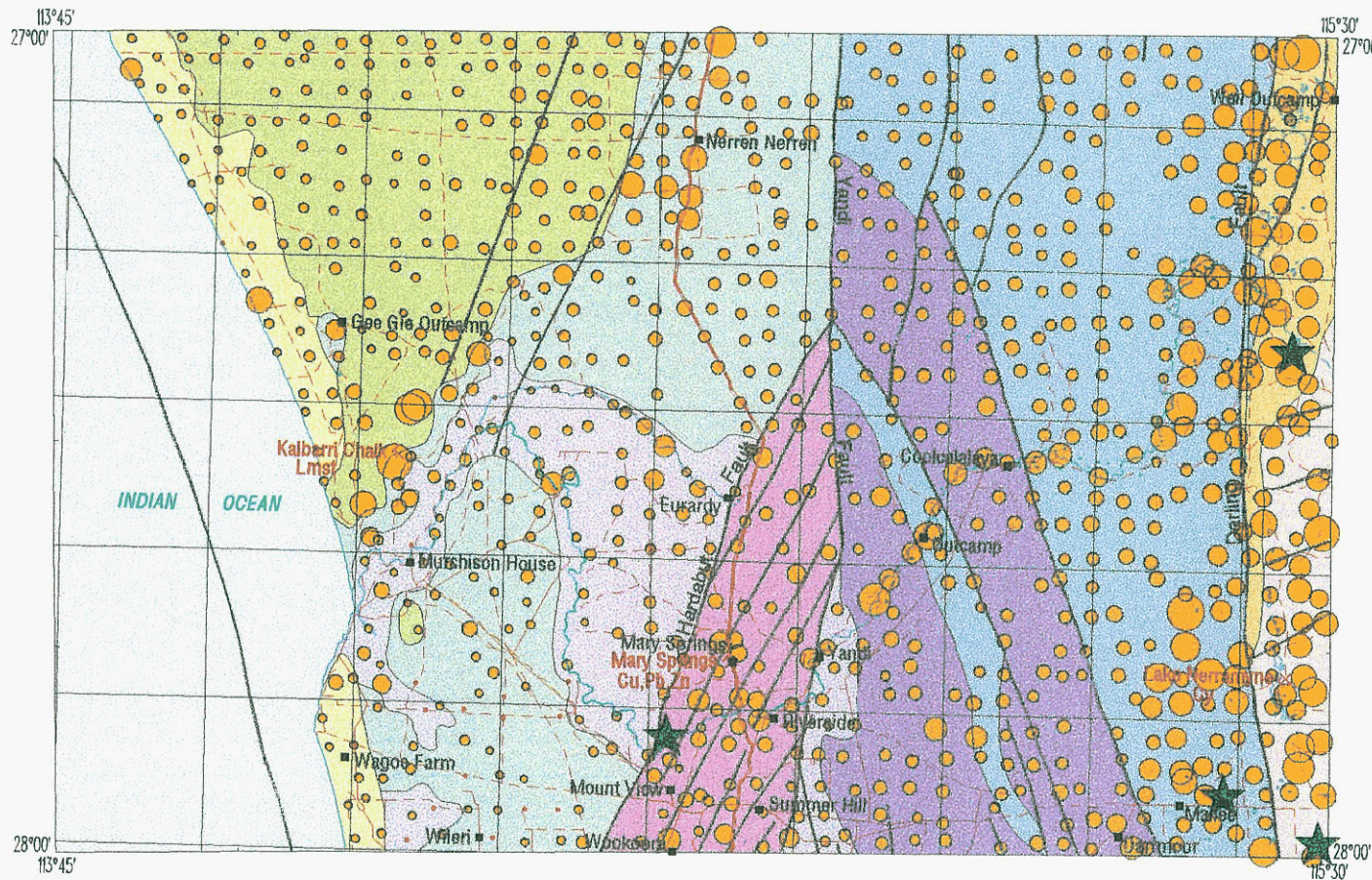
Maximum value is 47 ppm



• Below 1 ppm theoretical detection limit

★ > 40 ppm

- |                       |                  |           |
|-----------------------|------------------|-----------|
| — Geological boundary | ✕ Mary Springs   | Mine      |
| - - - Fault           | ✕ Kalbarri Chalk | Prospect  |
| — Highway             | ✕ Lake Nerramyne | Openpit   |
| — Formed road         | Cy               | Clay      |
| - - - Track           | Cu               | Copper    |
| — Watercourse         | Pb               | Lead      |
| ■ Yandi Homestead     | Lst              | Limestone |
|                       | Zn               | Zinc      |



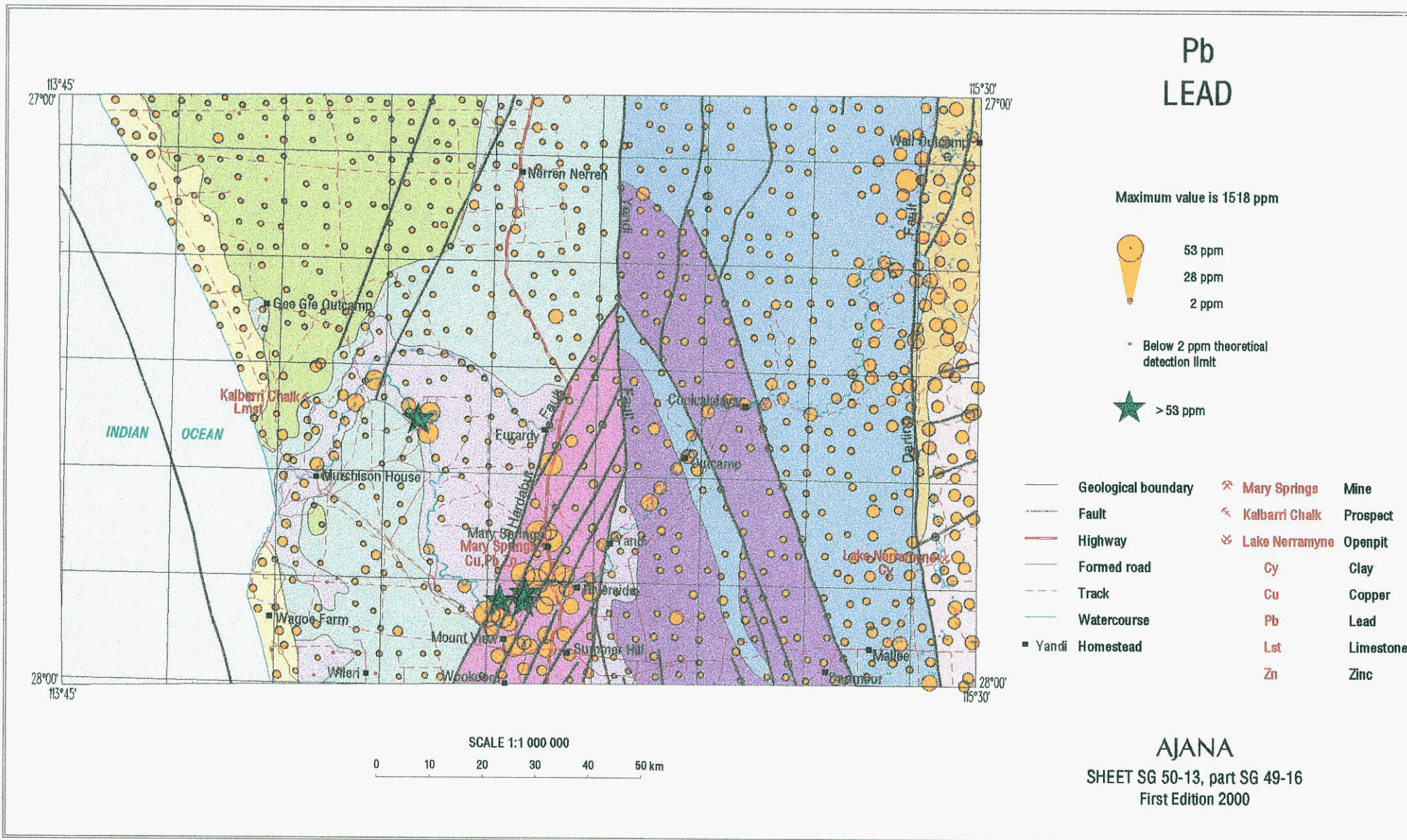
SCALE 1:1 000 000

0 10 20 30 40 50 km

AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000

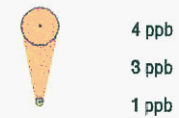






# Pd PALLADIUM

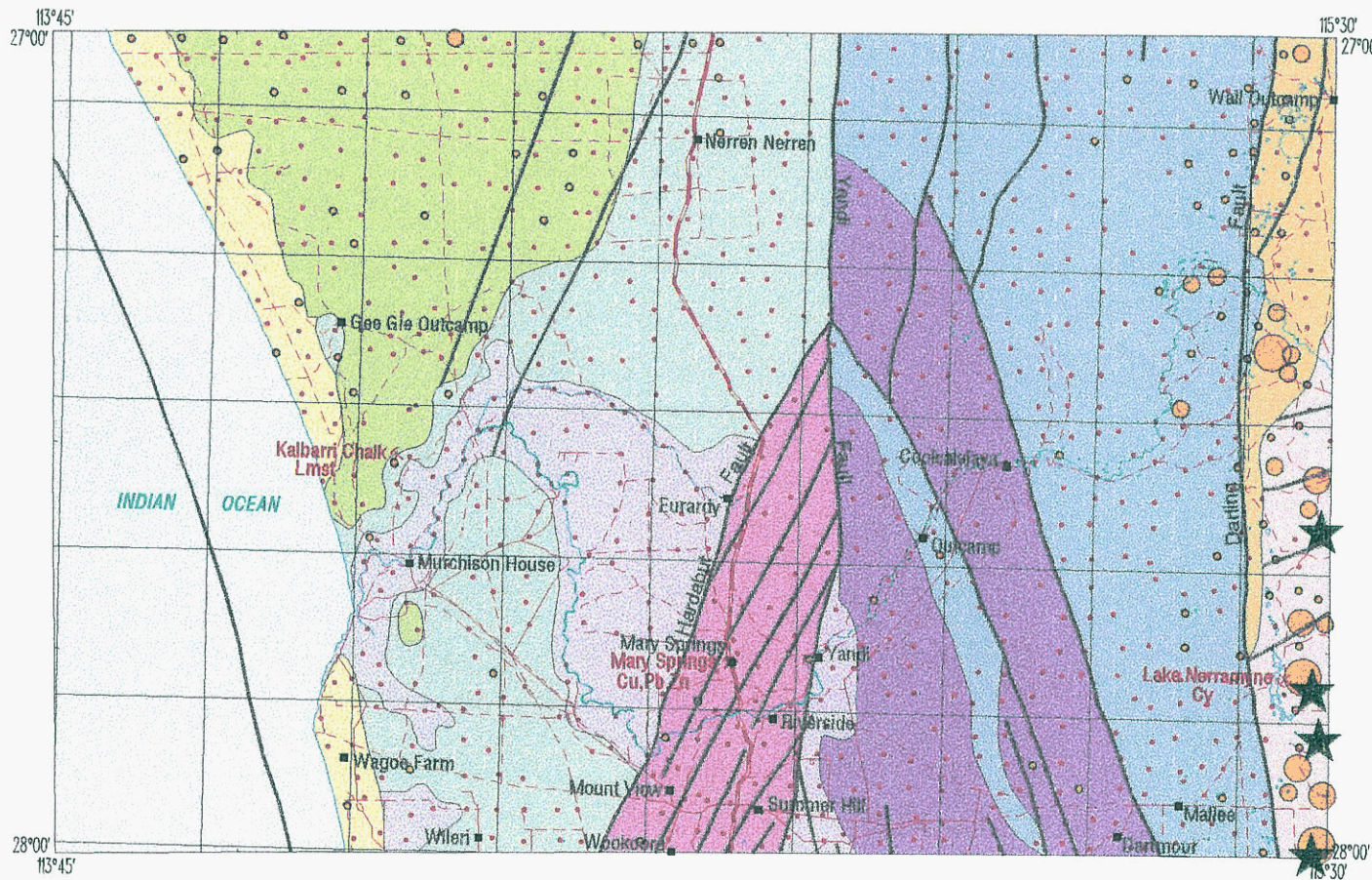
Maximum value is 21 ppb



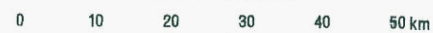
- |                       |                   |           |
|-----------------------|-------------------|-----------|
| — Geological boundary | ✕ Mary Springs    | Mine      |
| - - - Fault           | ✕ Kalbarri Chalk  | Prospect  |
| — Highway             | ✕ Lake Narraminye | Openpit   |
| — Formed road         | Cy                | Clay      |
| - - - Track           | Cu                | Copper    |
| — Watercourse         | Pb                | Lead      |
| ■ Yandi Homestead     | Lst               | Limestone |
|                       | Zn                | Zinc      |

AJANA

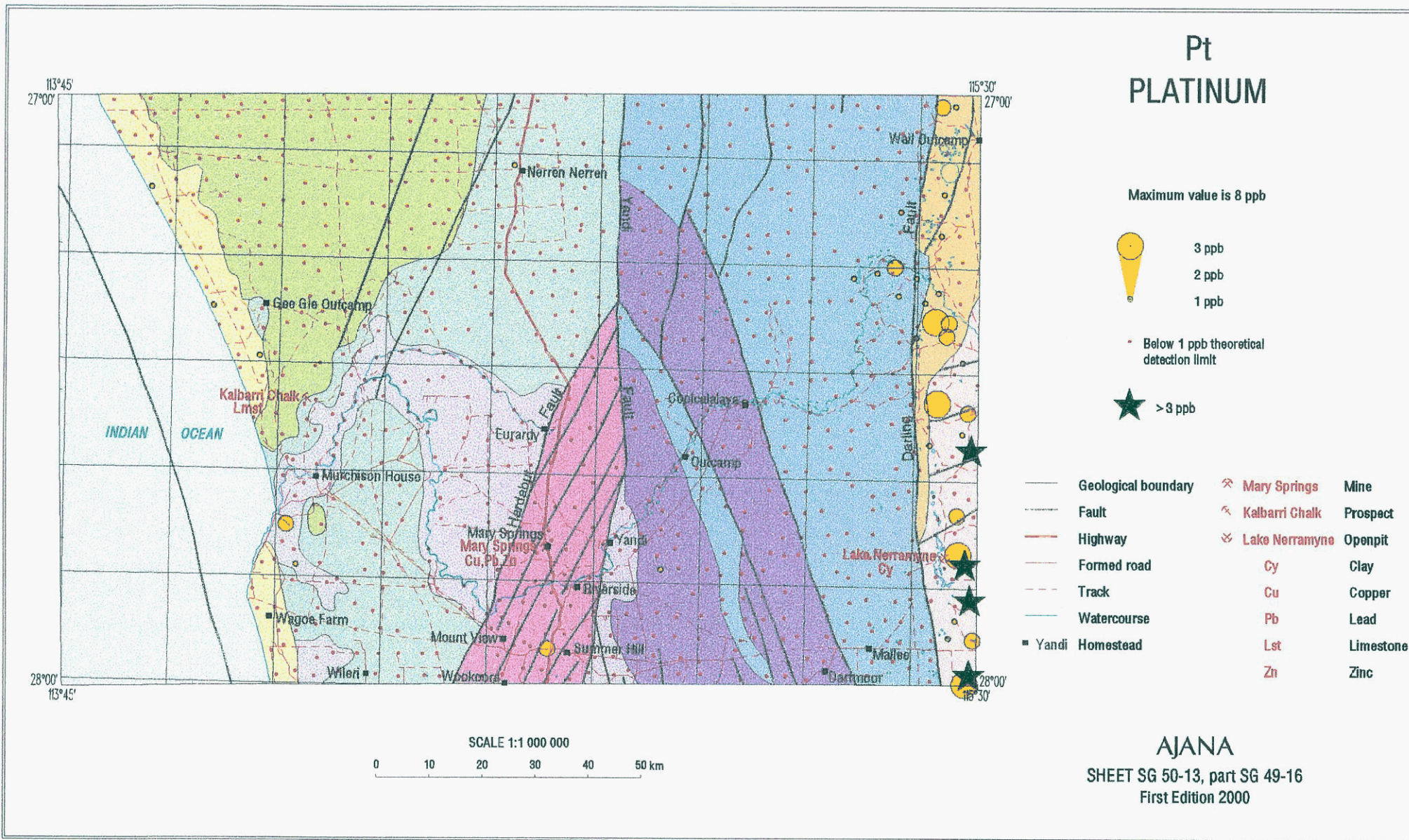
SHEET SG 50-13, part SG 49-16  
First Edition 2000



SCALE 1:1 000 000









# Rb RUBIDIUM

Maximum value is 163.23 ppm



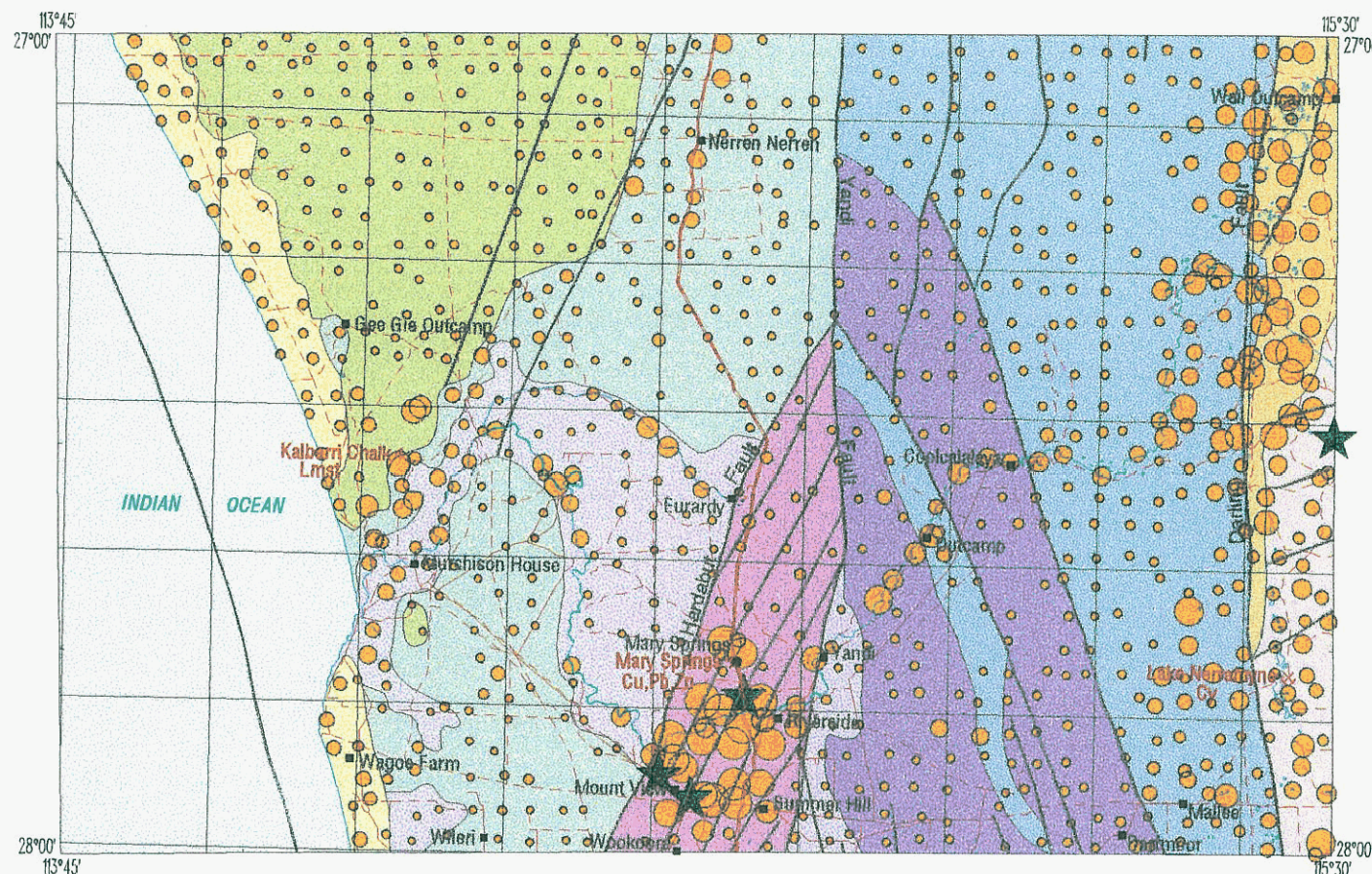
Below 0.05 ppm theoretical detection limit

> 130.50 ppm (green star symbol)

- |     |                     |   |                |           |
|-----|---------------------|---|----------------|-----------|
| —   | Geological boundary | ✕ | Mary Springs   | Mine      |
| --- | Fault               | ✕ | Kalbarri Chalk | Prospect  |
| —   | Highway             | ✕ | Lake Narraminy | Openpit   |
| —   | Formed road         |   | Cy             | Clay      |
| --- | Track               |   | Cu             | Copper    |
| —   | Watercourse         |   | Pb             | Lead      |
| ■   | Yandi Homestead     |   | Lst            | Limestone |
|     |                     |   | Zn             | Zinc      |

## AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



SCALE 1:1 000 000





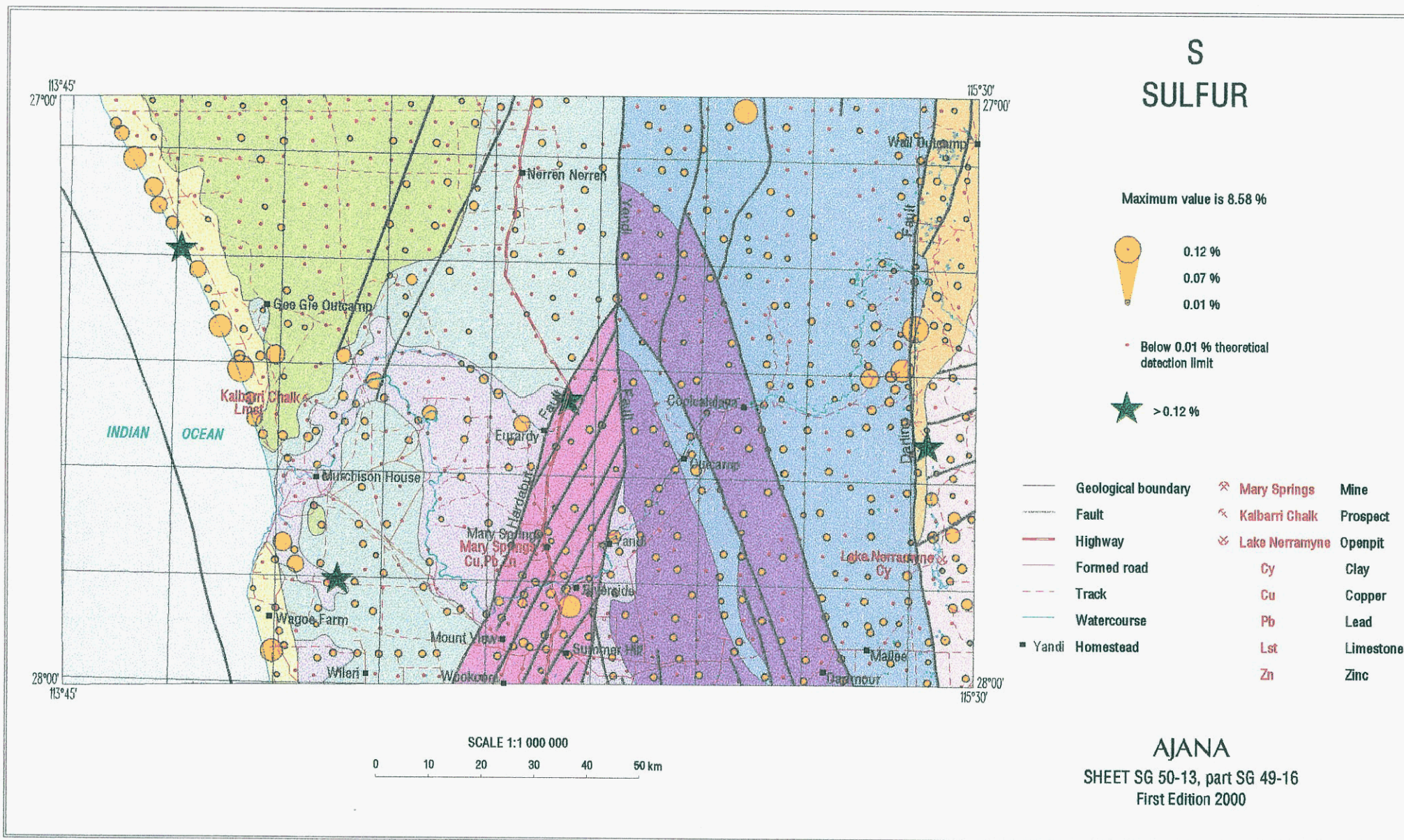


Figure 37



# Sb ANTIMONY

Maximum value is 3.19 ppm



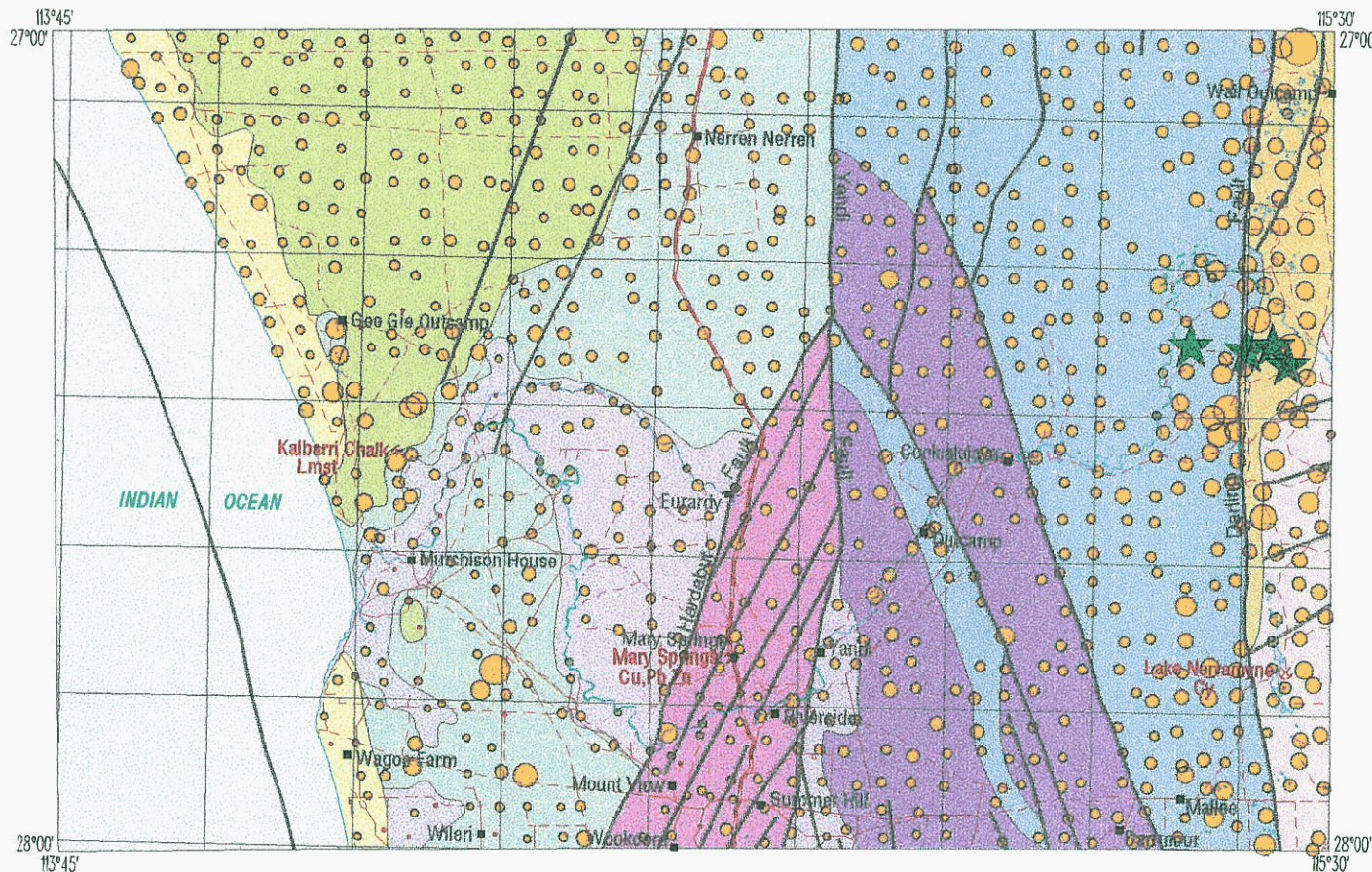
Below 0.05 ppm theoretical detection limit

> 1.10 ppm

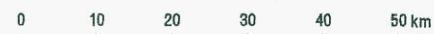
Geological boundary	Mary Springs	Mine
Fault	Kalbarri Chalk	Prospect
Highway	Lake Narraminy	Openpit
Formed road	Cy	Clay
Track	Cu	Copper
Watercourse	Pb	Lead
Yandi Homestead	Lst	Limestone
	Zn	Zinc

AJANA

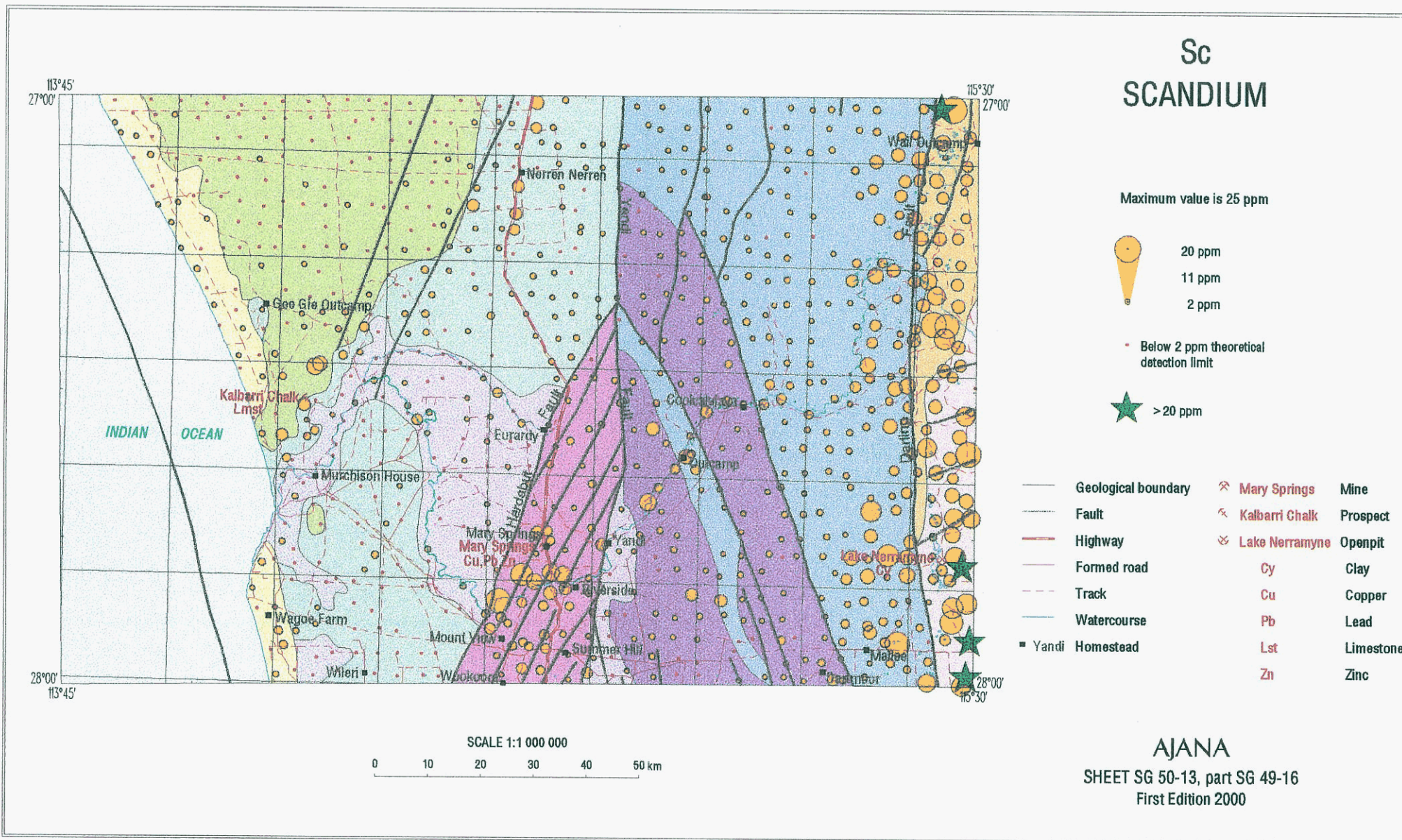
SHEET SG 50-13, part SG 49-16  
First Edition 2000



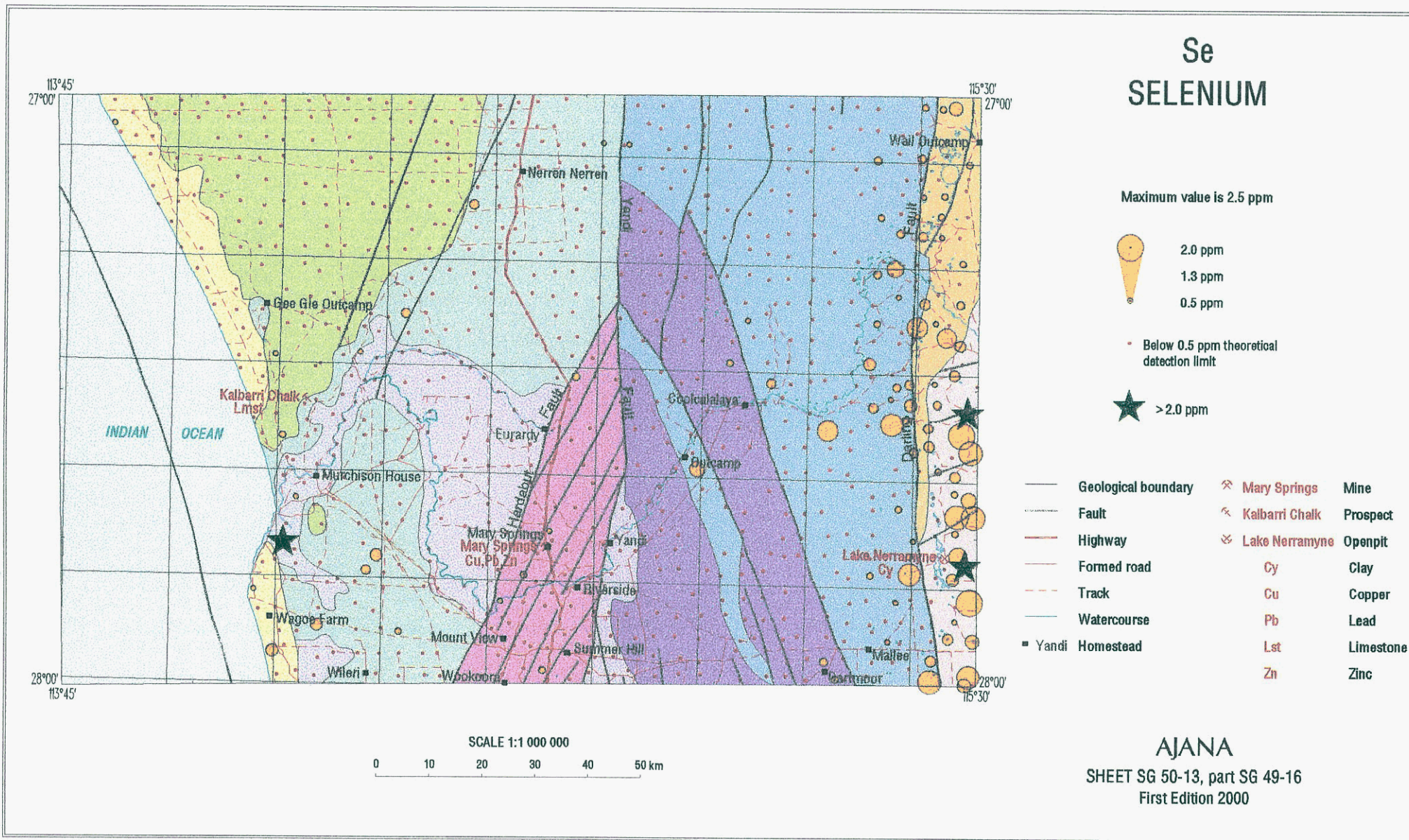
SCALE 1:1 000 000



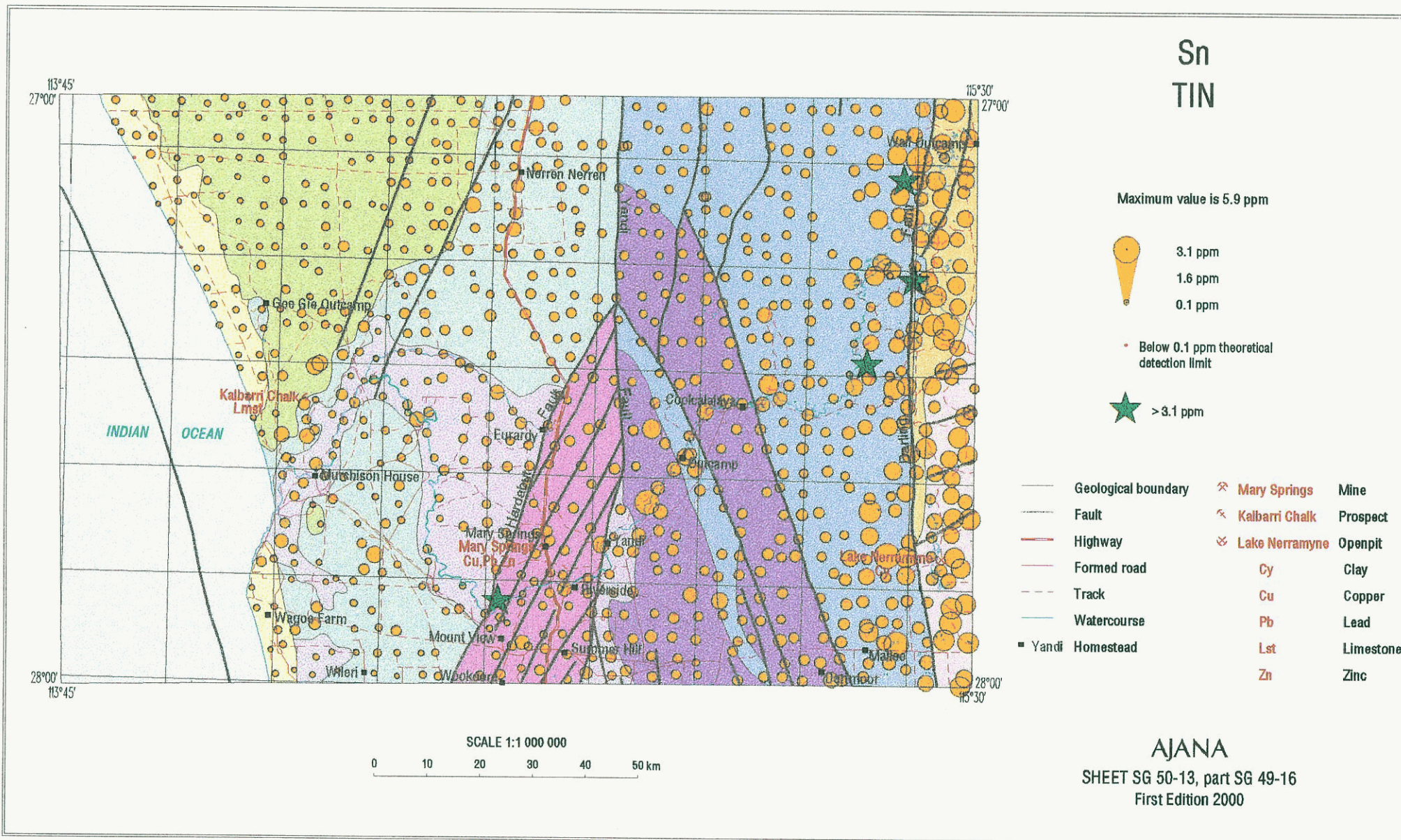














# Sr STRONTIUM

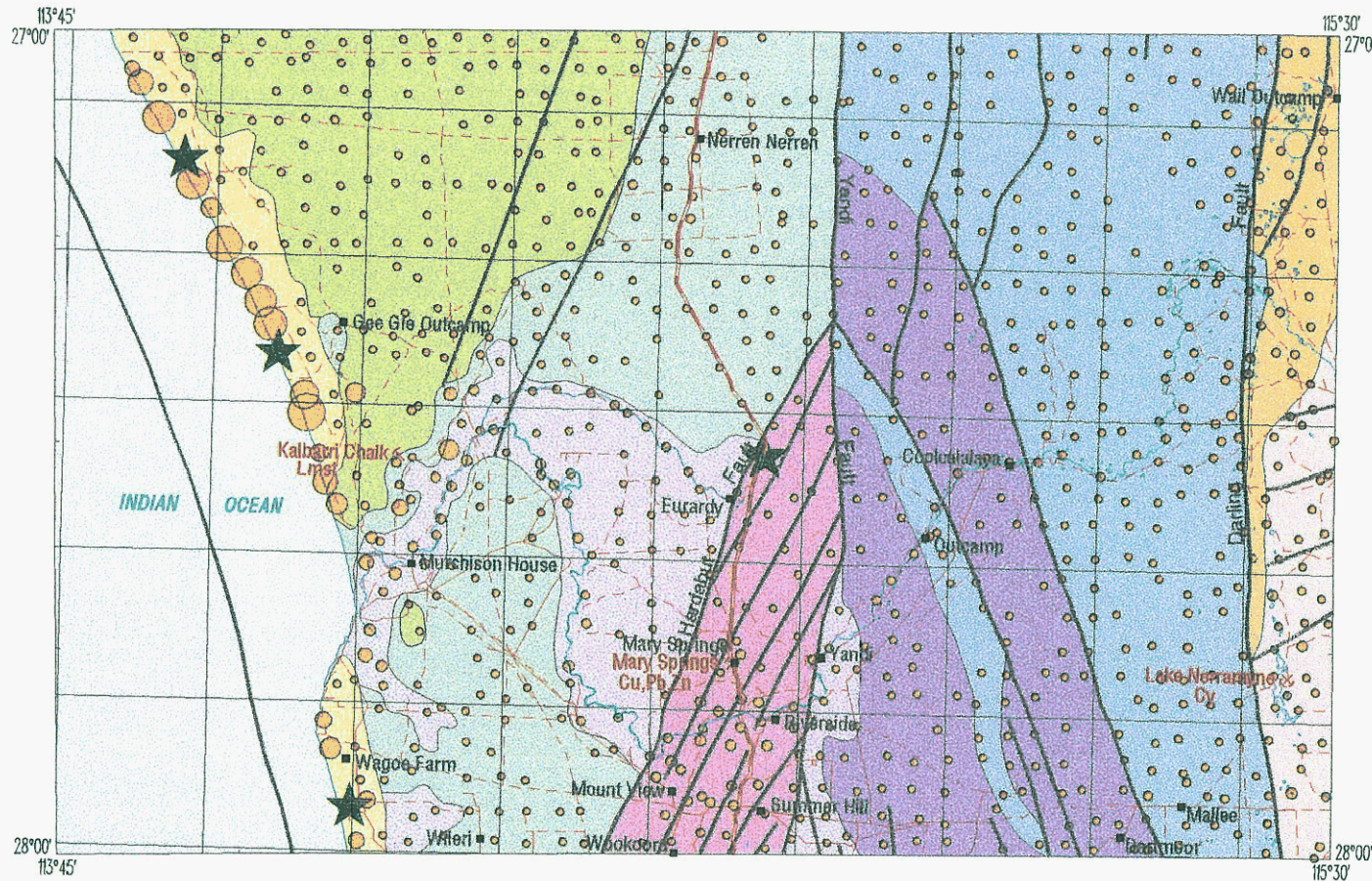
Maximum value is 2485.00 ppm



Below 0.05 ppm theoretical detection limit

> 1193.40 ppm

- |                       |                  |           |
|-----------------------|------------------|-----------|
| — Geological boundary | ✕ Mary Springs   | Mine      |
| — Fault               | ✕ Kalbarri Chalk | Prospect  |
| — Highway             | ✕ Lake Narraminy | Openpit   |
| — Formed road         | Cy               | Clay      |
| — Track               | Cu               | Copper    |
| — Watercourse         | Pb               | Lead      |
| ■ Yandi Homestead     | Lst              | Limestone |
|                       | Zn               | Zinc      |



SCALE 1:1 000 000



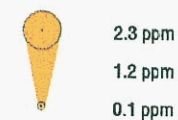
AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



# Ta TANTALUM

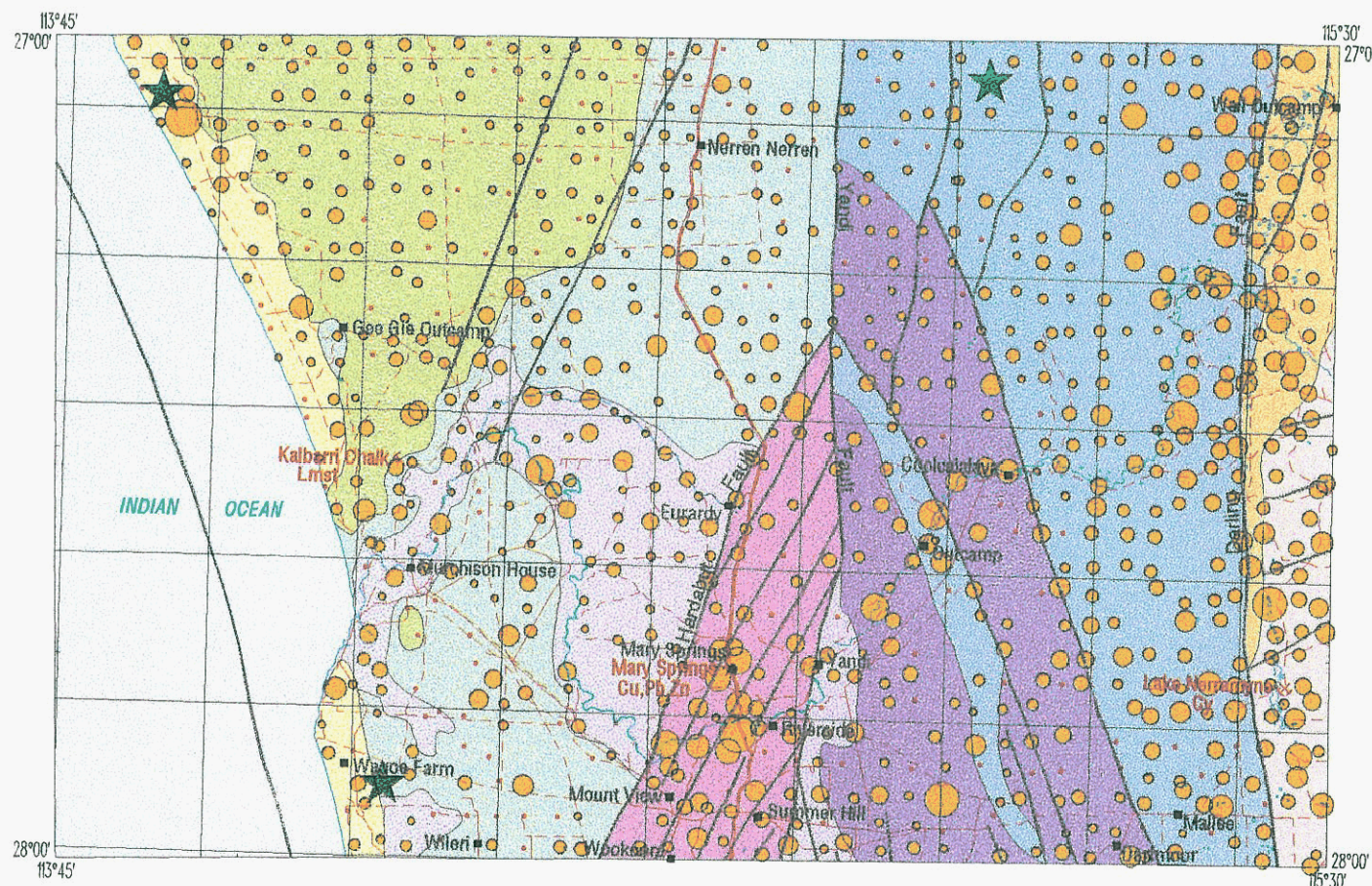
Maximum value is 2.8 ppm



Below 0.1 ppm theoretical detection limit

> 2.3 ppm

- |       |                     |                   |           |
|-------|---------------------|-------------------|-----------|
| —     | Geological boundary | ✕ Mary Springs    | Mine      |
| - - - | Fault               | ✕ Kalbarri Chalk  | Prospect  |
| —     | Highway             | ✕ Lake Narraminye | Openpit   |
| —     | Formed road         | Cy                | Clay      |
| —     | Track               | Cu                | Copper    |
| —     | Watercourse         | Pb                | Lead      |
| ■     | Yandi Homestead     | Lst               | Limestone |
|       |                     | Zn                | Zinc      |



SCALE 1:1 000 000

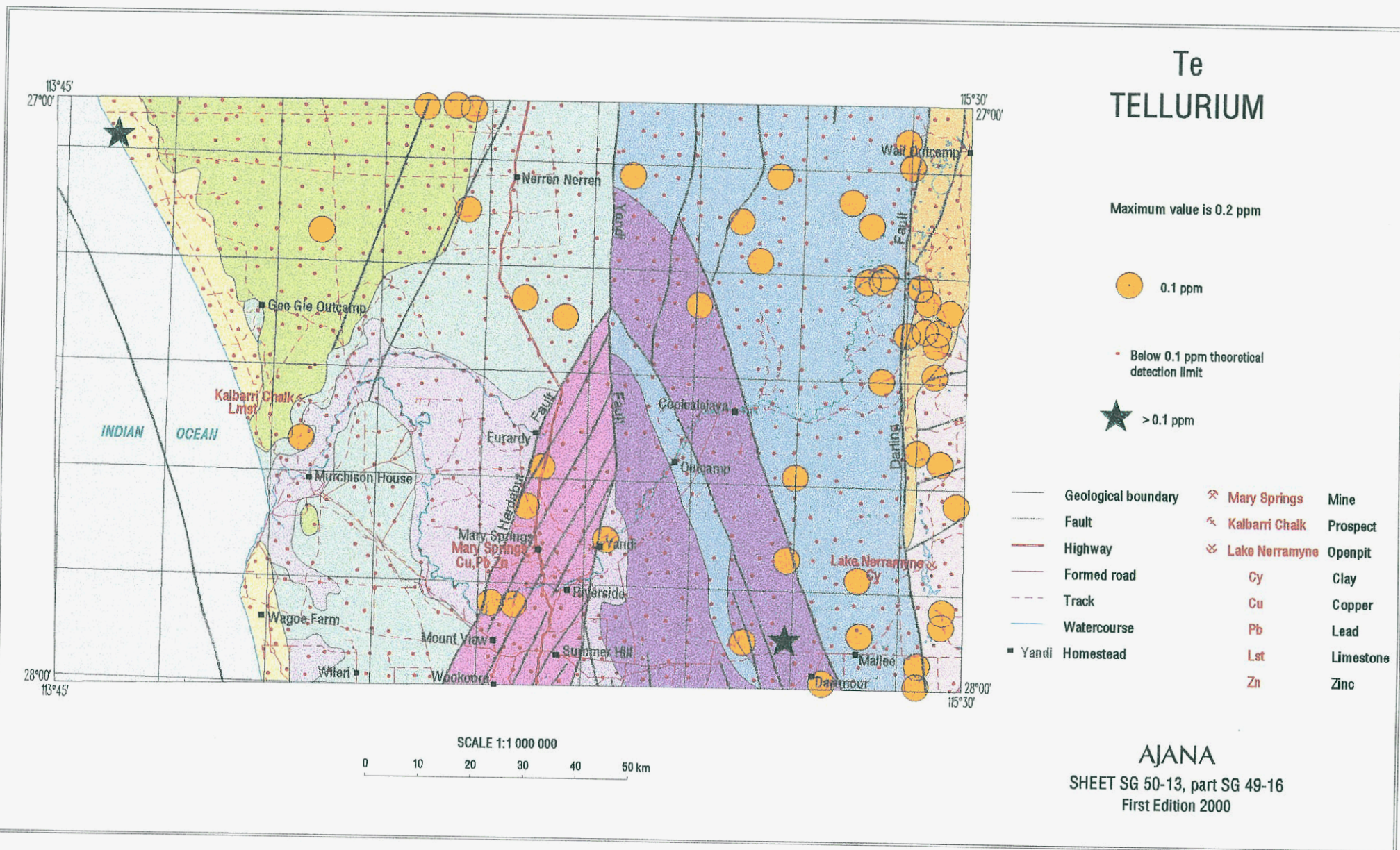
0 10 20 30 40 50 km

AJANA

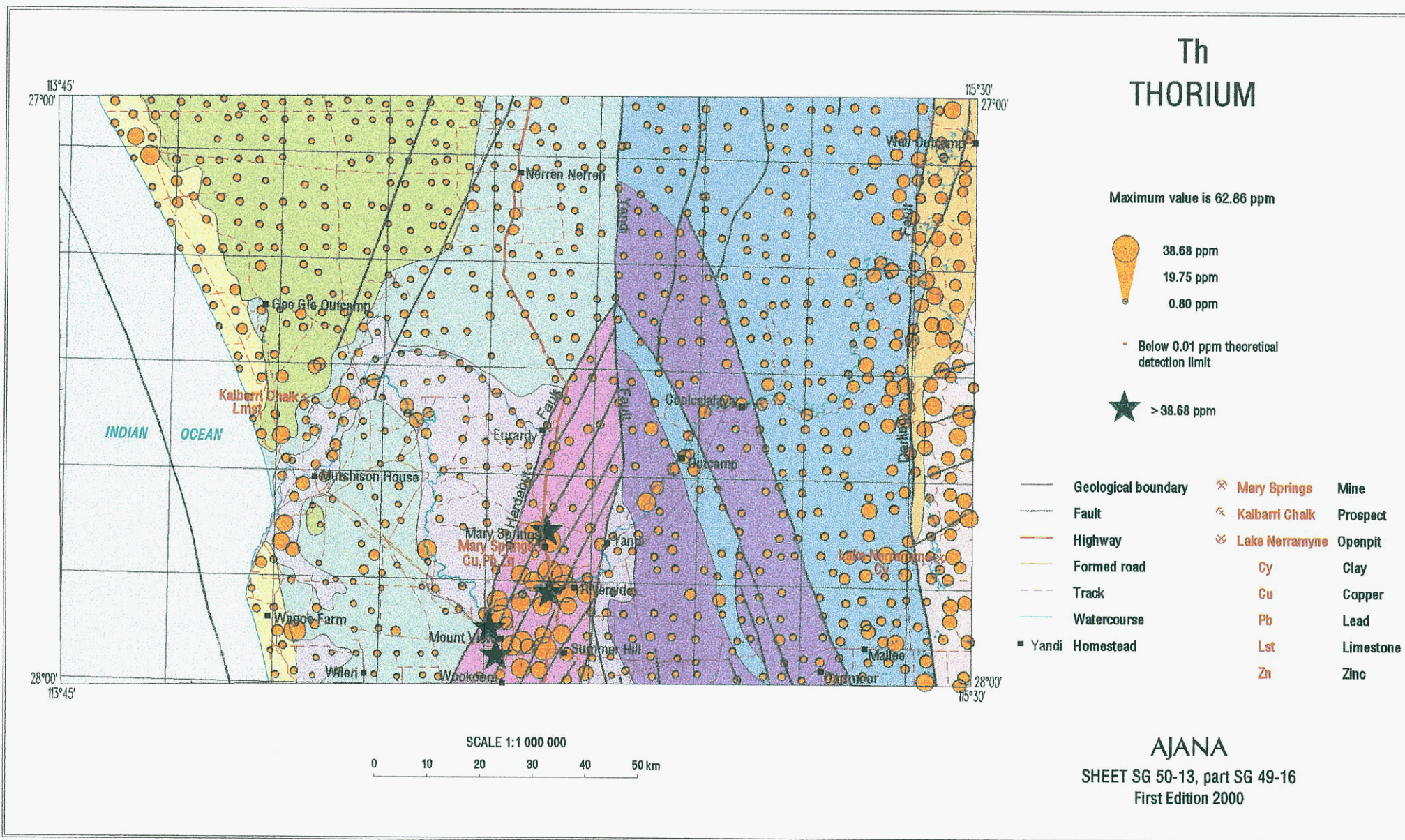
SHEET SG 50-13, part SG 49-16

First Edition 2000

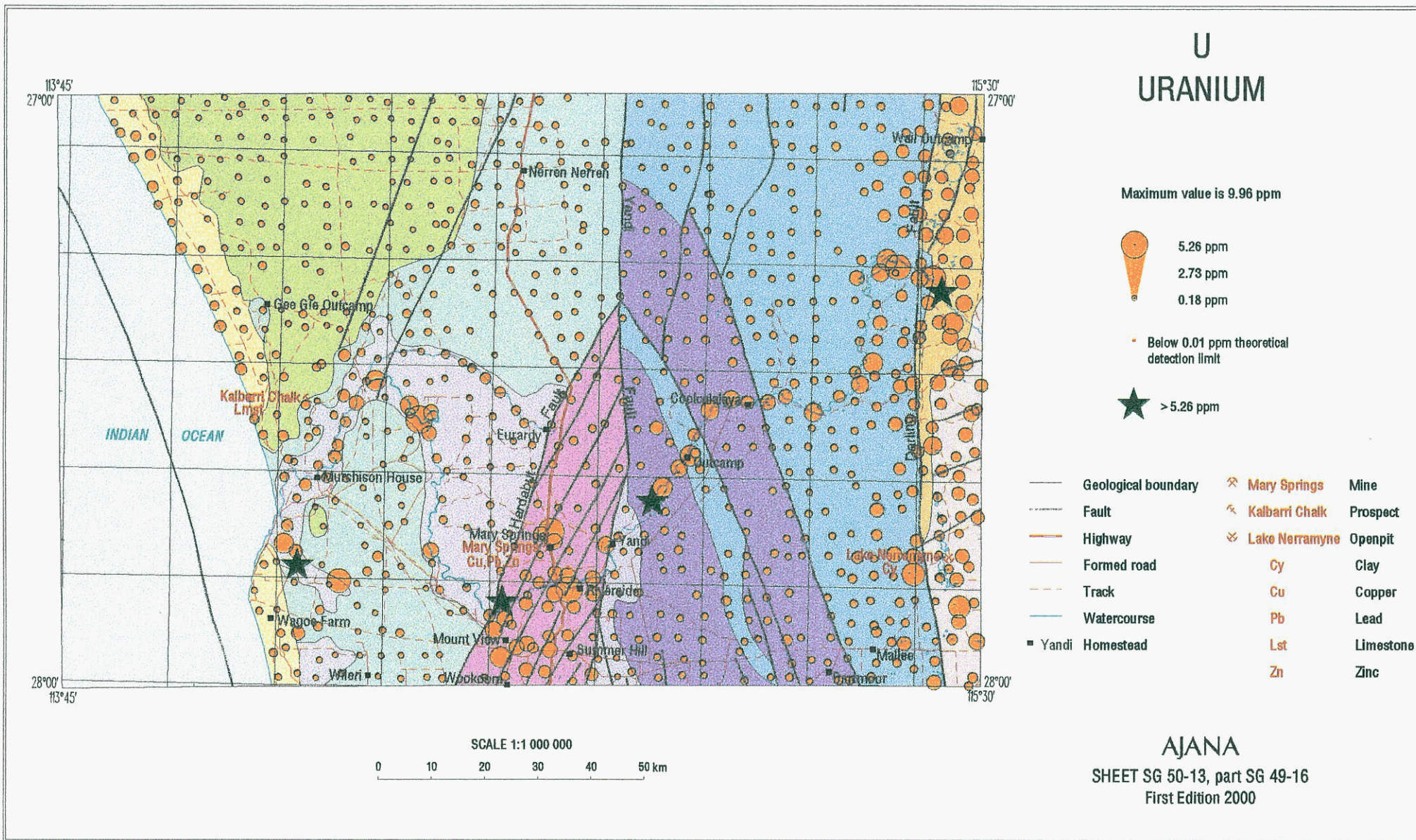




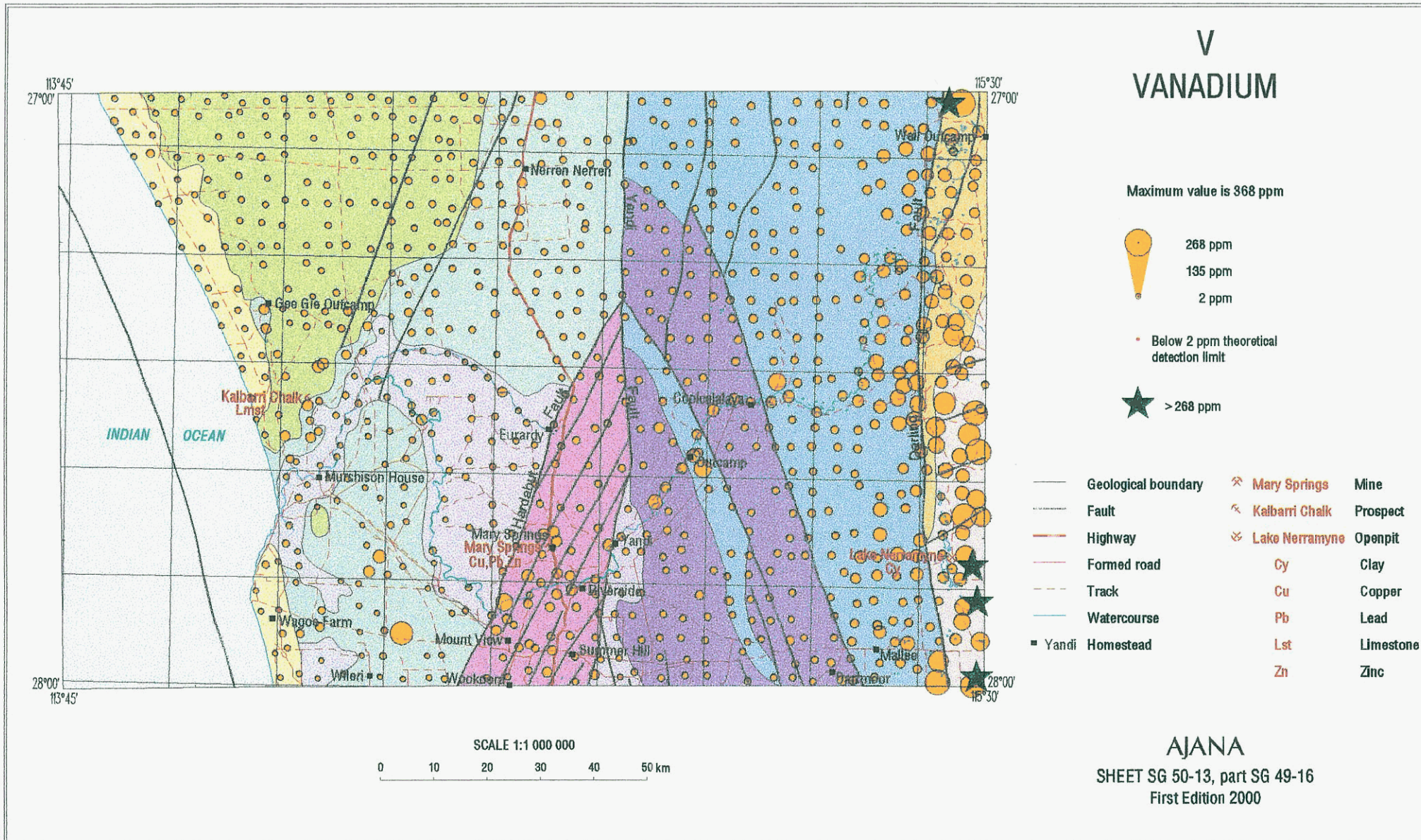








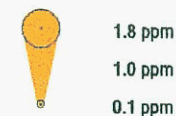






# W TUNGSTEN

Maximum value is 2.2 ppm



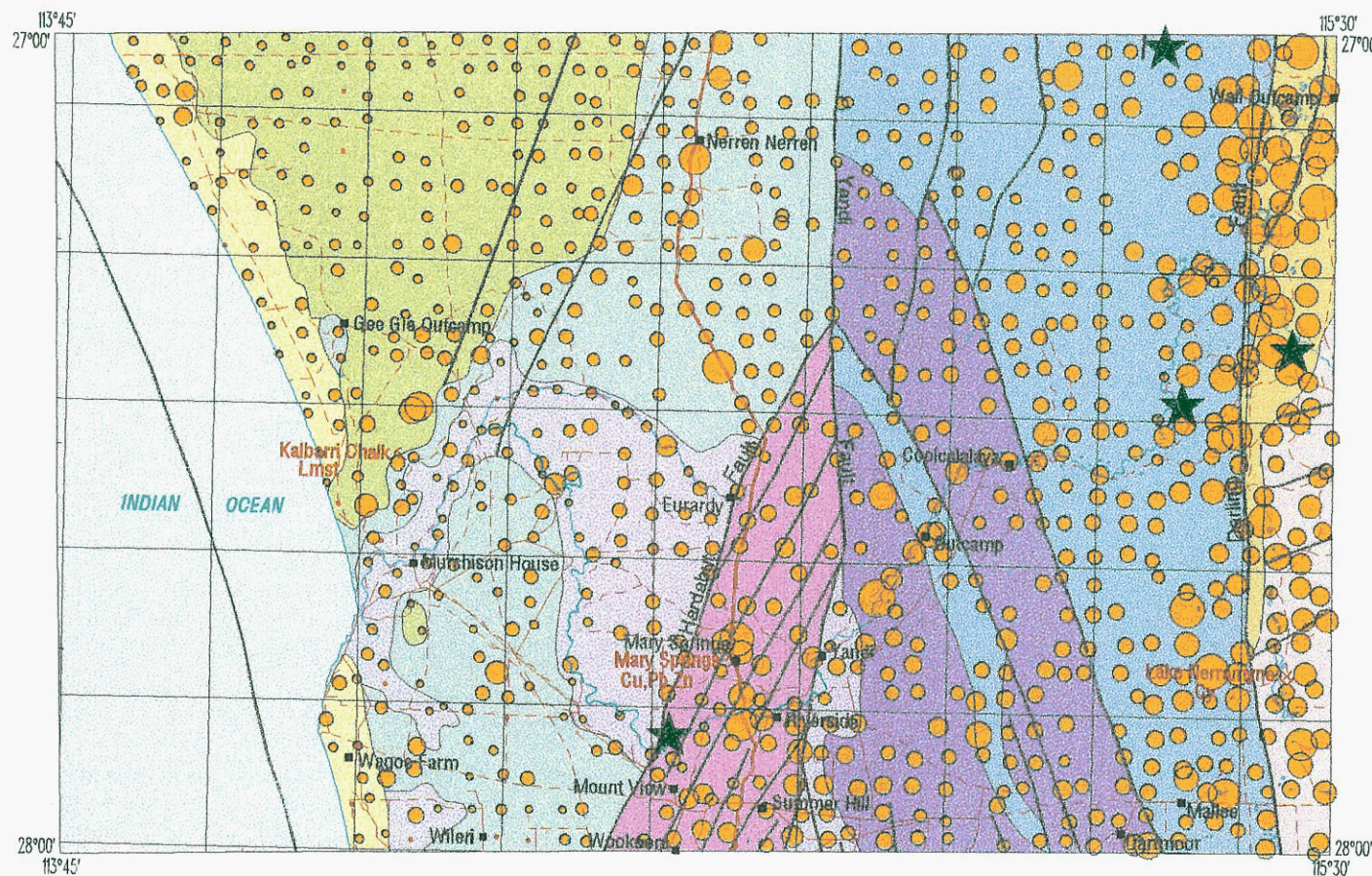
Below 0.1 ppm theoretical detection limit



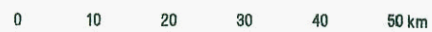
- |                       |                   |           |
|-----------------------|-------------------|-----------|
| — Geological boundary | ✕ Mary Springs    | Mine      |
| - - - Fault           | ✕ Kalbarri Chalk  | Prospect  |
| — Highway             | ✕ Lake Narraminye | Openpit   |
| — Formed road         | Cy                | Clay      |
| - - - Track           | Cu                | Copper    |
| — Watercourse         | Pb                | Lead      |
| ■ Yandi Homestead     | Lst               | Limestone |
|                       | Zn                | Zinc      |

## AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



SCALE 1:1 000 000





# Y YTTRIUM

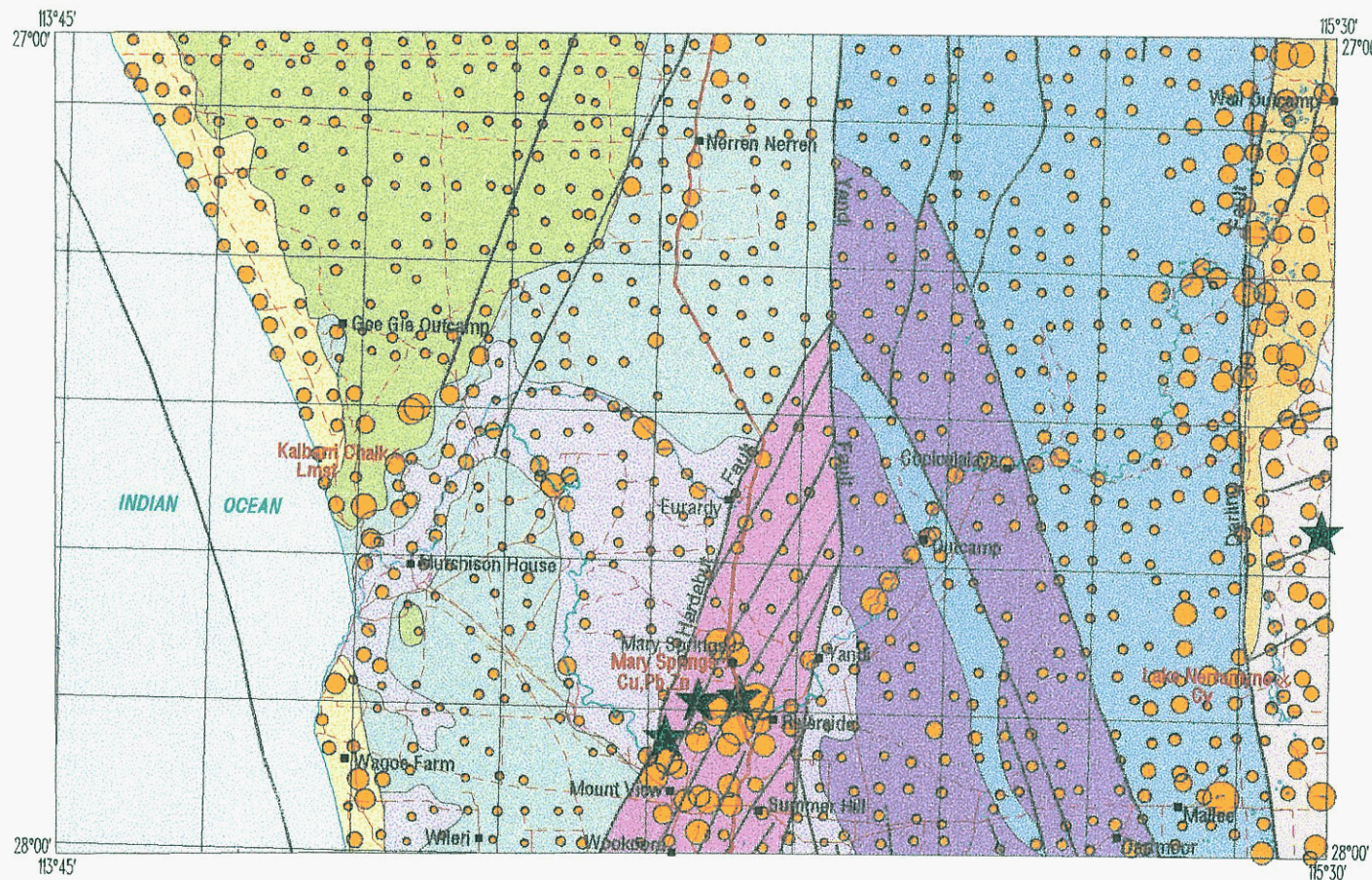
Maximum value is 38.09 ppm



Below 0.05 ppm theoretical detection limit



- |                       |                   |           |
|-----------------------|-------------------|-----------|
| — Geological boundary | ✂ Mary Springs    | Mine      |
| — Fault               | ✂ Kalbarri Chalk  | Prospect  |
| — Highway             | ✂ Lake Narramayne | Openpit   |
| — Formed road         | Cy                | Clay      |
| — Track               | Cu                | Copper    |
| — Watercourse         | Pb                | Lead      |
| ■ Yandi Homestead     | Lst               | Limestone |
|                       | Zn                | Zinc      |



SCALE 1:1 000 000



AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



# Zn ZINC

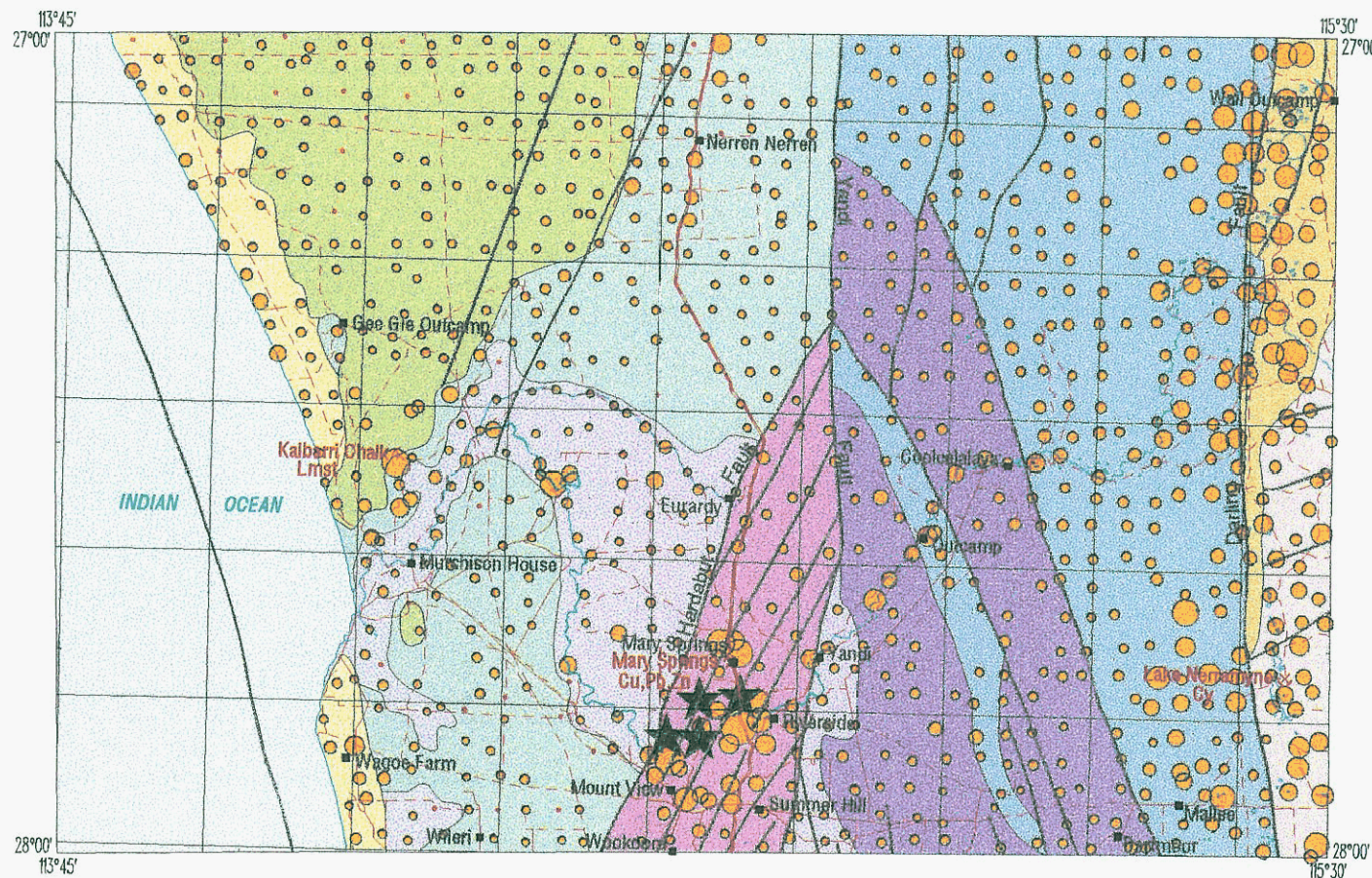
Maximum value is 202 ppm



Below 1 ppm theoretical detection limit



- |                       |                  |           |
|-----------------------|------------------|-----------|
| — Geological boundary | ✕ Mary Springs   | Mine      |
| - - - Fault           | ✕ Kalbarri Chalk | Prospect  |
| — Highway             | ✕ Lake Narramyne | Openpit   |
| — Formed road         | Cy               | Clay      |
| - - - Track           | Cu               | Copper    |
| — Watercourse         | Pb               | Lead      |
| ■ Yandi Homestead     | Lst              | Limestone |
|                       | Zn               | Zinc      |



SCALE 1:1 000 000

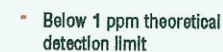


AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000

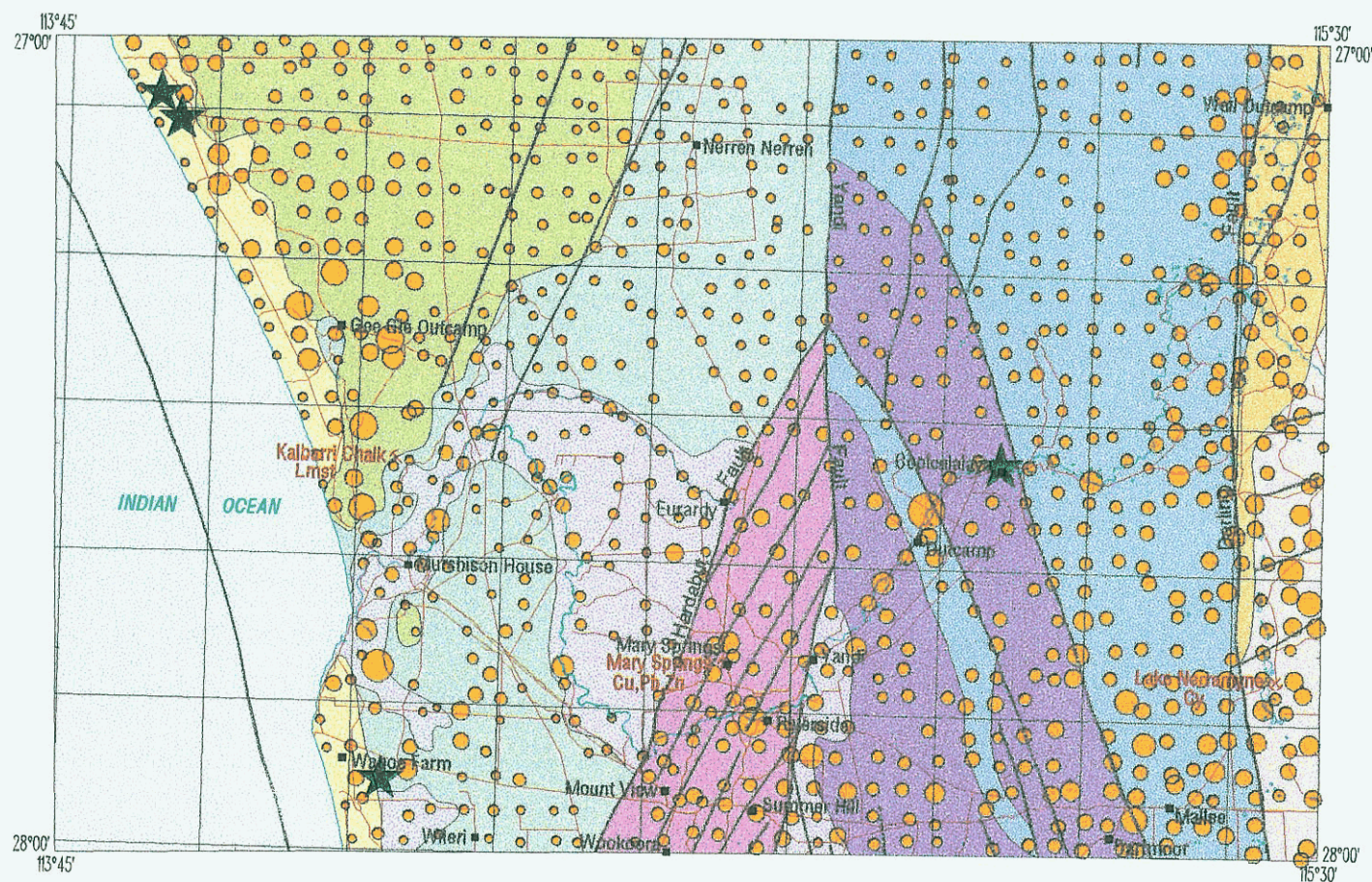


Maximum value is 2260 ppm



AJANA

SHEET SG 50-13, part SG 49-16  
First Edition 2000



SCALE 1:1 000 000

