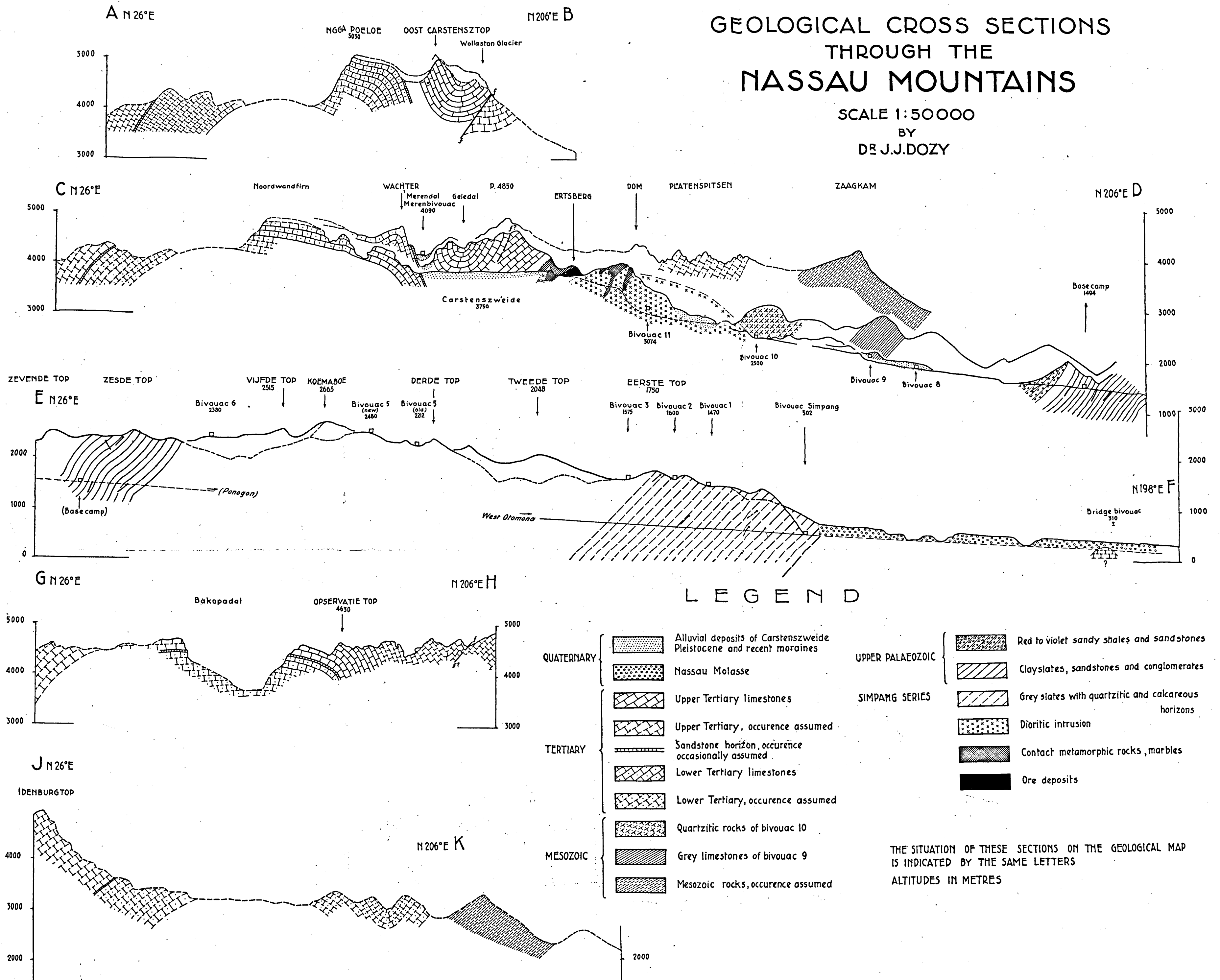
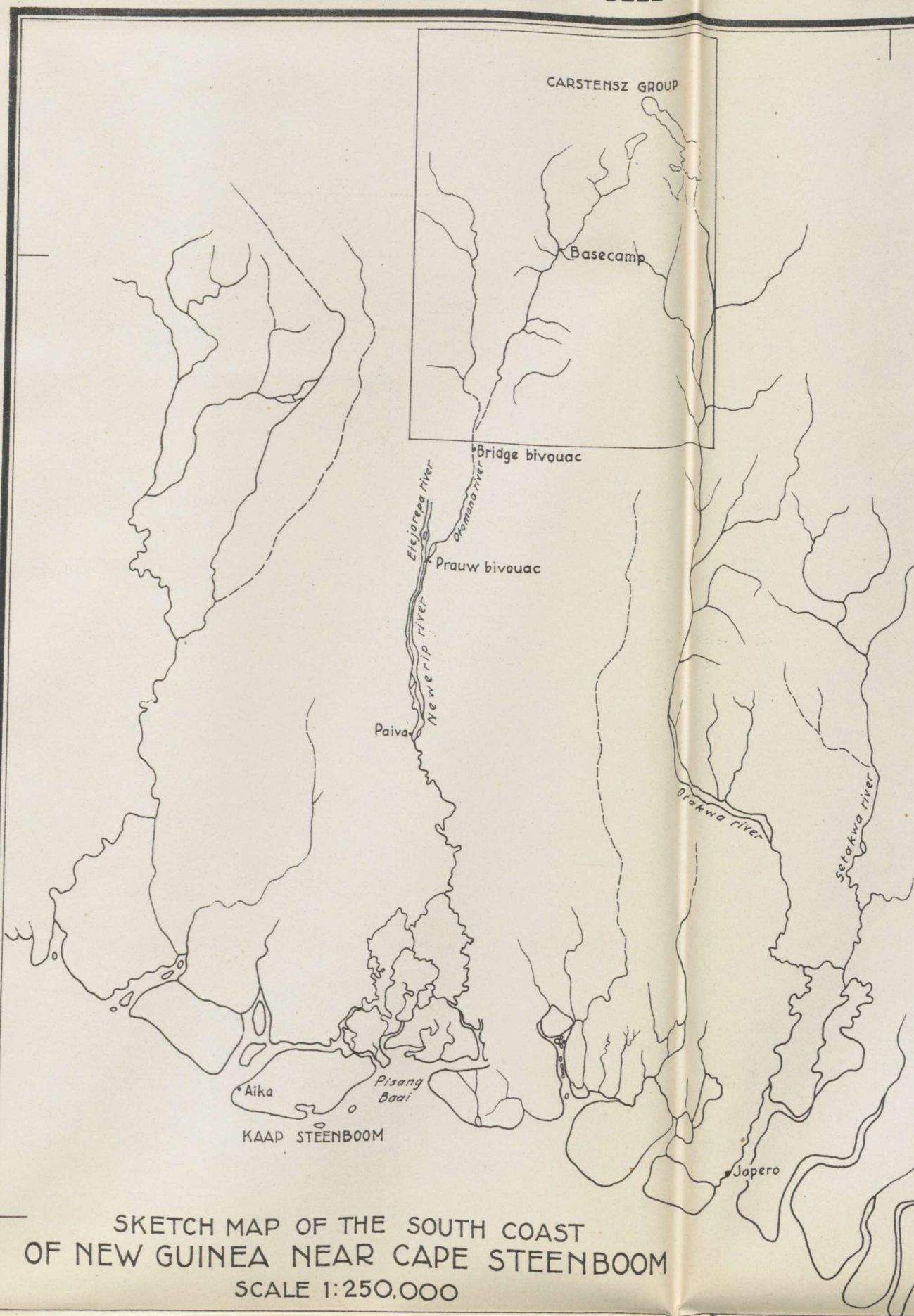


# GEOLOGICAL CROSS SECTIONS THROUGH THE NASSAU MOUNTAINS

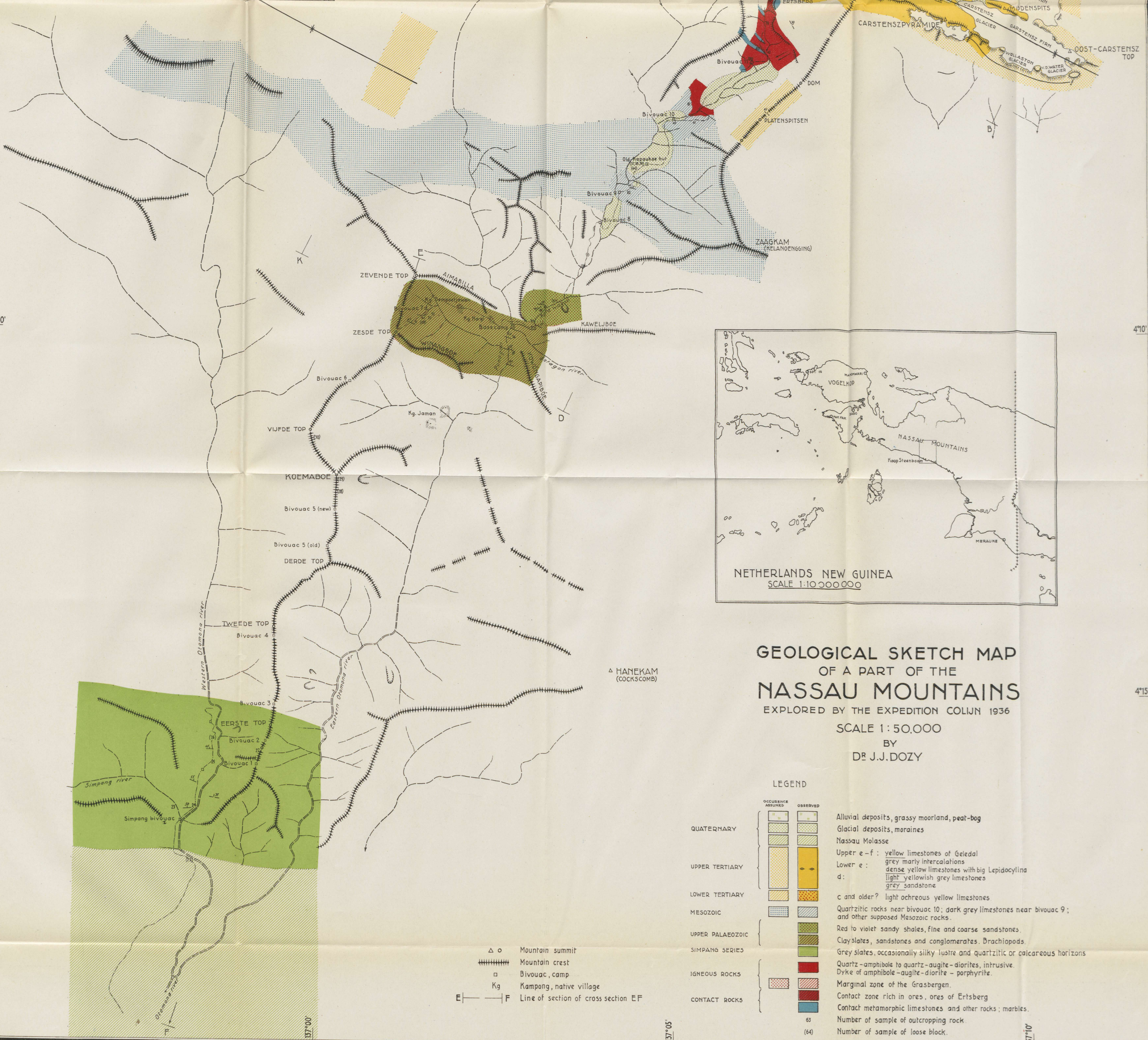
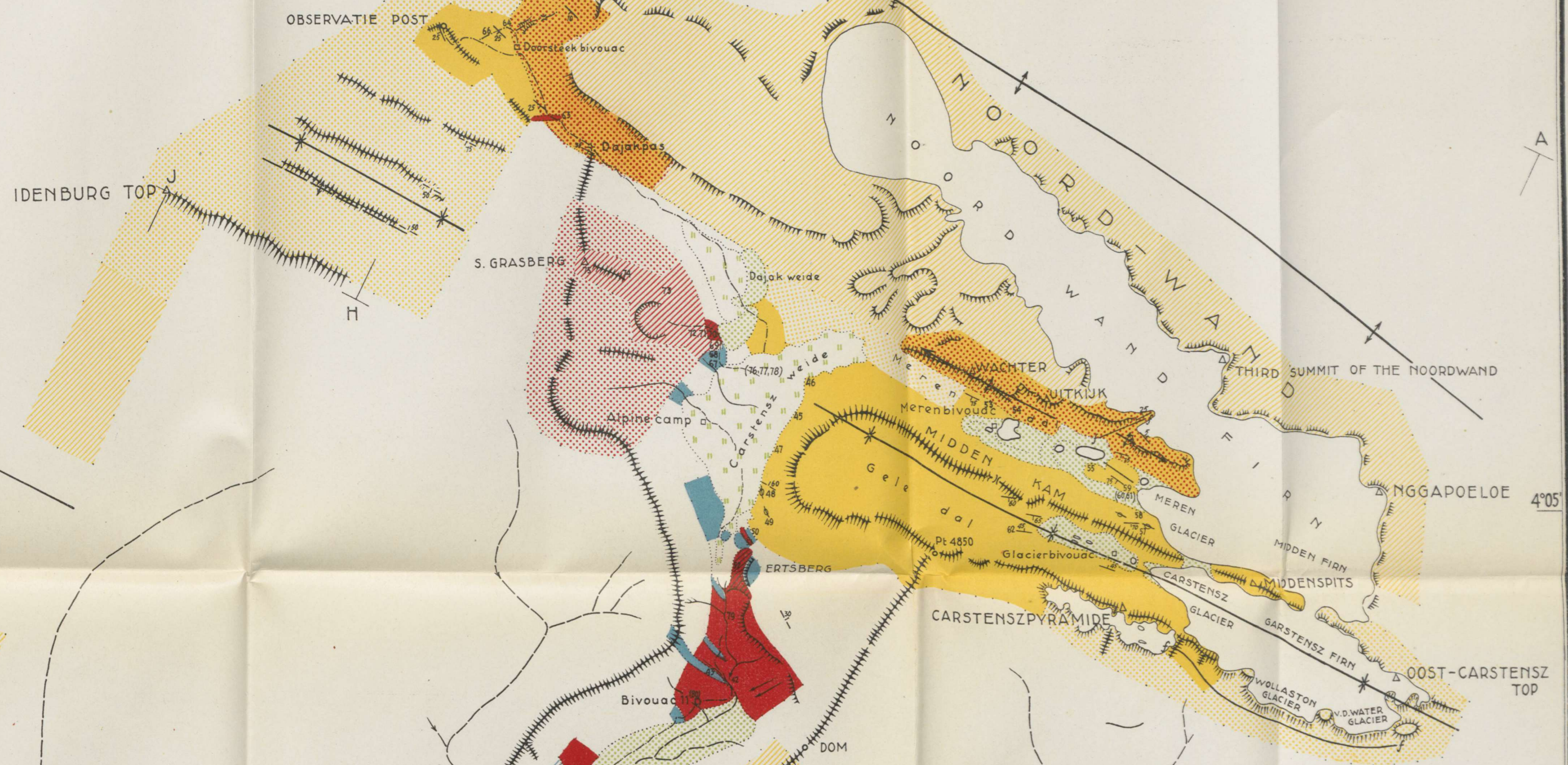
SCALE 1:50000  
BY  
DR J.J. DOZY







SKETCH MAP OF THE SOUTH COAST OF NEW GUINEA NEAR CAPE STEENBOOM SCALE 1:250,000



NETHERLANDS NEW GUINEA SCALE 1:10,000,000

**GEOLOGICAL SKETCH MAP**  
OF A PART OF THE  
**NASSAU MOUNTAINS**  
EXPLORED BY THE EXPEDITION COLIJN 1936  
SCALE 1:50,000  
BY  
DR. J.J. DOZY

**LEGEND**

|                  | OCCURRENCE ASSUMED | OBSERVED |                                                                                                                                                                                        |
|------------------|--------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QUATERNARY       | [Symbol]           | [Symbol] | Alluvial deposits, grassy moorland, peat-bog<br>Glacial deposits, moraines<br>Nassau Molasse                                                                                           |
| UPPER TERTIARY   | [Symbol]           | [Symbol] | Upper e-f: yellow limestones of Geidal<br>Lower e: grey marly intercalations<br>dense yellow limestones with big Lepidocyclina<br>d: light yellowish grey limestones<br>grey sandstone |
| LOWER TERTIARY   | [Symbol]           | [Symbol] | c and older? light ochreous yellow limestones                                                                                                                                          |
| MESOZOIC         | [Symbol]           | [Symbol] | Quartzitic rocks near bivouac 10; dark grey limestones near bivouac 9;<br>and other supposed Mesozoic rocks.                                                                           |
| UPPER PALAEOZOIC | [Symbol]           | [Symbol] | Red to violet sandy shales, fine and coarse sandstones.<br>Clay slates, sandstones and conglomerates. Drachiopods.                                                                     |
| SIMPANG SERIES   | [Symbol]           | [Symbol] | Grey slates, occasionally silky lustre and quartzitic or calcareous horizons                                                                                                           |
| IGNEOUS ROCKS    | [Symbol]           | [Symbol] | Quartz-amphibole to quartz-augite-diorites, intrusive.<br>Dyke of amphibole-augite-diorite - porphyrite.                                                                               |
| CONTACT ROCKS    | [Symbol]           | [Symbol] | Marginal zone of the Grasbergen.<br>Contact zone rich in ores, ores of Ertzberg<br>Contact metamorphic limestones and other rocks; marbles.                                            |

63 Number of sample of outcropping rock  
64 Number of sample of loose block.

- △ Mountain summit
- ▬ Mountain crest
- Bivouac, camp
- Kg Kampong, native village
- E—F Line of section of cross section EF