U. S. Geological Survey
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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE INSTITUTO NACIONAL DE INVESTIGACIONES-GEOLOGICO-MINERAS

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EXPLANATION

Contact between formations and members

Correlation of key beds and lithologic units questioned where uncertain

Unconformable contact questioned where uncertain.

Horizontal scale

Vertical scale

LITHOLOGY

- Conglomerate
- Phosphorite
- Sandstone
- Siltstone
- Claystone
- Porcellanite
- Siliceous claystone or siltstone
- Limestone
- Limestone concretion
- Bedded chert Concretionary chert

ADJECTIVES

- Phosphatic
- Sandy
- Silty
- Argillaceous
- Calcareous
- Covered

Guaduas Formation

GUADALUPE FORMATION

upper member

Raizal member

Villeta Group

Chipaque Formation

Umir Formation

LA LUNA FORMATION

Galembo Member

Pujama Member

Salada Member

Colón Shale

Capacho Formation

Simití Shale

① Girardot - Noriño (Burgl and Dumit, 1954)

② Alto del Peñon Iconoza - Cunday (E K Maughan and F. Pachón P)

③ La Cascajera Turmequé (E K Maughan)

④ Quebrada Canoas Iza - Cuitiva (E. K. Maughan, E. B. Fritts F, Zambrano O, R Durán R, and D. Gutiérrez P)

⑤ Quebrada La Sarda Azufrada (E. K. Maughan, D.E. Ward, F Pachón P, J. Abaroglo M., R. Durán R and P Sañez S.)

⑥ Ragonvalia (E K Maughan)

⑦ Quebrada El Portico Lourdes (J Abaroglo M.)

⑧ Pacheli (E K Maughan)

Locality Index

Plate 1 Correlation of sections of the Guadalupe and La Luna Formations in the Cordillera Oriental