

Present Day

~110 Ma

~119 Ma

~133 Ma

- Pacific Ocean
- Modified land
- Younger alluvium (Quaternary)
- Older alluvium (Miocene to Pleistocene)
- Cerro del Pingo tonalite (~119 Ma)
- Barreal Seco tonalite (~125-121 Ma)
- Las Tipias granodiorite (~139-128 Ma)
- Cerro del Pingo complex (~134-132 Ma)
- Granodiorite (~140 Ma)
- Goyenchea rhyolite (~145-140 Ma)
- Goyenchea fine-grained granite (~145-140 Ma)
- Goyenchea medium-grained granite (~145-140 Ma)
- Goyenchea coarse-grained granite (~145-140 Ma)
- Rhyolite (~146-143 Ma)
- Aeropuerto Formation limestone (Early Cretaceous)
- Aeropuerto Formation (Late Jurassic to Cretaceous)
- La Finca plutonic complex (149-139 Ma)
- Quartz diorite (~153 Ma)
- Quezada granodiorite (~153-147 Ma)
- La Negra Formation (Jurassic)
- Matancilla plutonic complex (~173-157 Ma)
- Granodiorite (~189 Ma)
- Cerro Concha granodiorite (~196 Ma)
- Capitana syenogranite (~215-207 Ma)
- Chañaral Complex (Devonian)
- Hydrothermal alteration
- Cataclasite or fault breccia
- Cataclasite
- Mylonitic foliation
- Discrete shear zones
- Contact metamorphism

5 km