

Geoscience Research Institute

Research & Education Fieldwork

Peru: Pacific Coast, Andes, Altiplano, Amazon

Pisco, Ica, Nazca, Ayacucho, Abancay, Cuzco, Juliaca, Macusani, Quince Mil

18 June - 5 July, 2018

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 - [general](#) - geologic column, plate tectonics, igneous petrology, geochemistry, additional references
 - [Peru](#) - maps, Bulletins, Pitcher book, articles
 - [this research](#) - abstracts, publications, projects, field guide
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INTRODUCTION

The field work is organized by the Geoscience Research Institute (GRI) and partially funded by the General Conference, Faith and Science Council (FSC). The mission of the GRI is to study and share the Creator and His creation as revealed in the Bible and nature. The purpose for our field work in Peru is to study the relation between the geology there and the Genesis record of earth history. For this field work, we are especially needing people with expertise in chemistry to study the geochemistry of the granitic and volcanic rocks. This will help better understand the formation and elemental composition of the magmas in a plate tectonic model, the isotope ratios that yield radiometric ages, and how they are all related to the associated sedimentology and paleontology in the geologic column.

DUTIES --- In the field, participants will be given various responsibilities to make the research/education experience enjoyable and efficient for everyone, e.g., morning worship, Sabbath activities, language translation, trip navigation, arranging food, restroom stops, handling luggage, reservations and phone communication, accounting, keeping track of everyone, field safety, collecting samples, run the drone, documenting activities, geology field explanations, chemistry explanations, presentations, computer modeling, etc.

TENTATIVE SCHEDULE

- June 17, Sunday: Juliaca
 - arrival
 - LODGING --- Peru Inka ?? ... food at UPeU ??
- June 18, Monday: Juliaca to Macusani (230km)
 - tectonics, collecting ... Azangaro: petrified trees
- June 19, Tuesday: Macusani to Quince Mil (250km)
 - volcanics, syenite
- June 20, Wednesday: Quince Mil to Cuzco (300km)