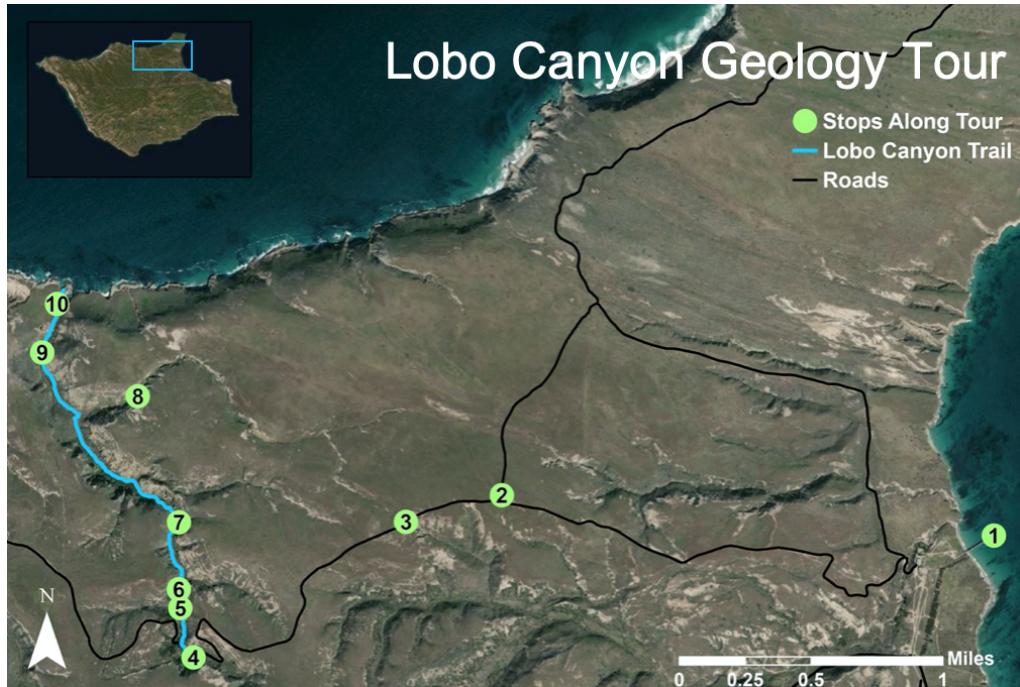


Santa Rosa Island Virtual Tour Series
Lobo Canyon Geology Tour - Handout
Created by Alyssa Connaughton 2020



Tour overview: Lobo Canyon trail is filled with unique geological features and ends at a beach with a beautiful view of the island.. This is a trail that is known to be more difficult and less accessible, however is known to be many people's favorite trail.

This tour is done from the point of view as if you were hiking to Lobo Canyon from the pier.

Heading out there?

Recommended outfit: Long pants, sturdy hiking boots and a hat.

Things to bring: Plenty of water, lunch and snacks, sunscreen, radio in case of emergency and an overall map of the trail. May want to bring a towel and extra clothes for the beach if you would like to swim, however the water may be cold depending on the season. This is also a trail where hiking poles could be helpful if you have them.

Hazards: There is no shade majority of the hike, be prepared to be in direct sunlight. There are parts of the trail where you walk along ledges, have to go under trees, cross a footbridge and navigate through uncut vegetation. The radio signal does not reach Lobo Canyon, before going on trail, make sure to speak with the station director on radio procedures for this trail. This is also a trail to be aware of ticks and make sure to do a tick check once you are done.

Approximate mileage: 9.2 miles round trip

Happy exploring!!

Santa Rosa Island Virtual Tour Series
Geology Tour of Lobo Canyon Guide
Created by Alyssa Connaughton 2020

Tour overview: Lobo Canyon trail is filled with unique geological features and ends at a beach with a beautiful view of the island. This is a trail that is known to be more difficult and less accessible, however is known to be many people's favorite trail. This tour is done from the point of view as if you were hiking to Lobo Canyon from the pier.

Scene descriptions

- **Slide 1: Welcome to Santa Rosa Island!**
 - How to use the tour in VR using GoogleCardboard. Island Packers boat service, boat ride, bucket brigade, map of the overall tour, walk to the research station. Introduction to Marine Terraces.
- **Slide 2: Acapulco Canyon**
 - Left side of the path leads you to Lobo Canyon Trail, right side path leads you to Carrington Point Trail. Santa Rosa formation (Santa Rosae), Pygmy Mammoths and Arlington Man
- **Slide 3: Canyon on the way to the trail**
 - Information on Acapulco Canyon, on the way to the trail. Santa Rosa Island Fault and differences between northern and southern topography of the island.
- **Slide 4: Lobo Canyon Trail entrance**
 - Overview of the trail, hazards and milage.
- **Slide 5: Through the trees**
 - Highlights difficult parts of the trail and obstacles to be aware of.
- **Slide 6: Across the footbridge**
 - Highlights that the trail can often be overgrown, muddy and likely to have a chance of ticks.
- **Slide 7: Geologic formations**
 - Close up images of geology. Sandstone composition, oxidation of rock
- **Slide 8: Off main trail geology venture**
 - Emphasize not part of the main trail, however worth seeing. Sandstone formation, evidence of island rotation and Giant coreopsis.
- **Slide 9: Almost out of the canyon!**
 - Positive and negative impacts of vegetation on hillsides and erosion of hillsides. Island endemics: Island bush monkey flower and Greene's dudleya
- **Slide 10: End of trail, at the beach**
 - Visuals of the beach, Northern elephant seals and information on watershed leading out to the beach.