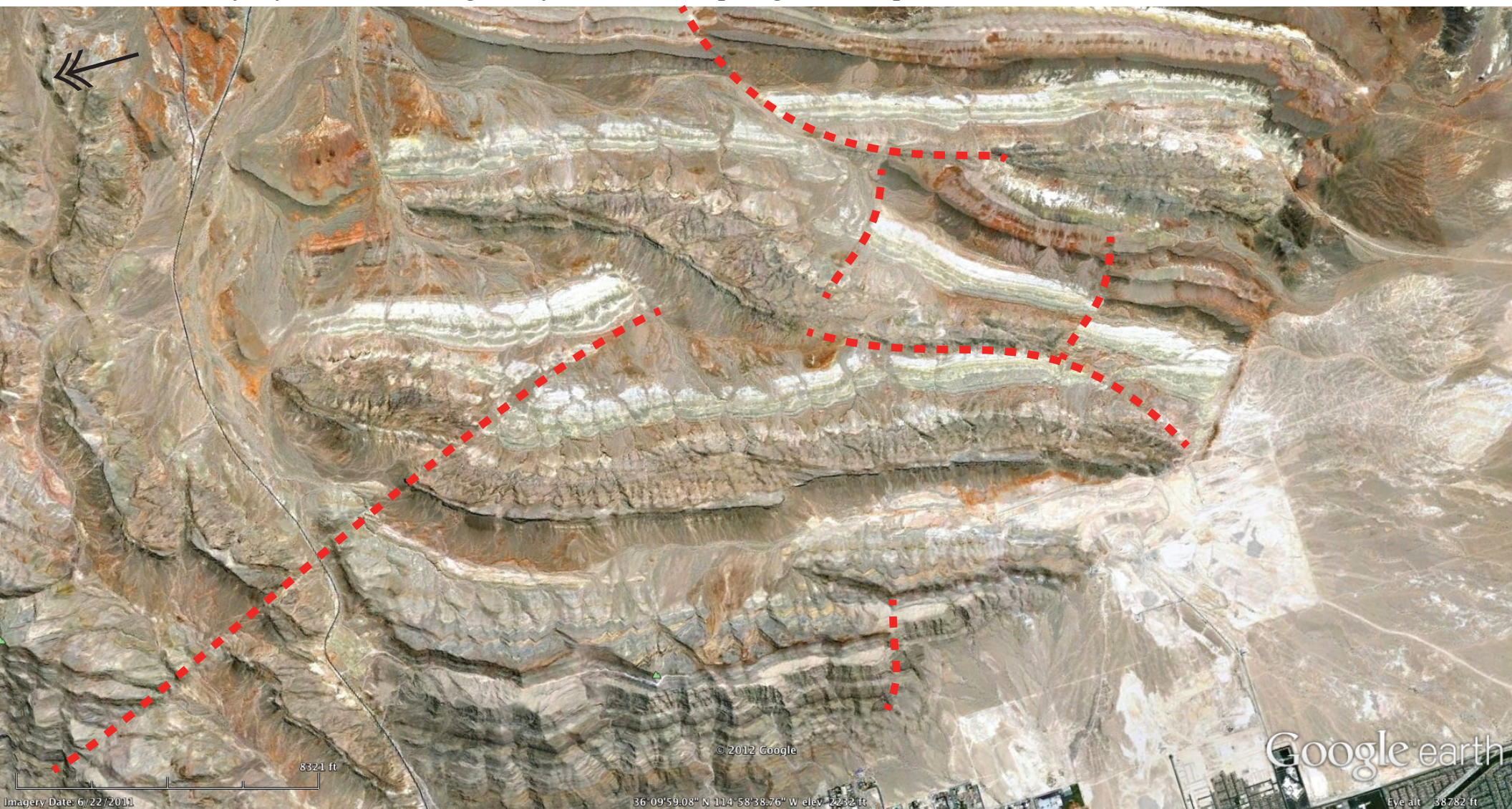


Faulted sedimentary layers near Las Vegas Bay, NV. Double pronged arrow points north. Dashed red lines delineate fault traces.



Explore two faults from this area using Google Earth.

- 1) For each fault, use what you just learned to propose how the map pattern could be produced by 1) strike-slip faulting; 2) normal faulting; and 3) reverse faulting. For each option you will need to state the approximate attitude of the beds AND of the fault plane. (2-5 sentences each)
- 2) For each fault, choose the MOST APPROPRIATE fault type from #1 and create a Visible Geology model that reproduces the map pattern viewed above using that fault motion. Please print your Visible Geology model and record on the printed image the strike, dip, rake, and slip of the fault.
- 3) Finally, label this diagram to indicate which faults you investigated and also put those labels on the Visible Geology print-outs.