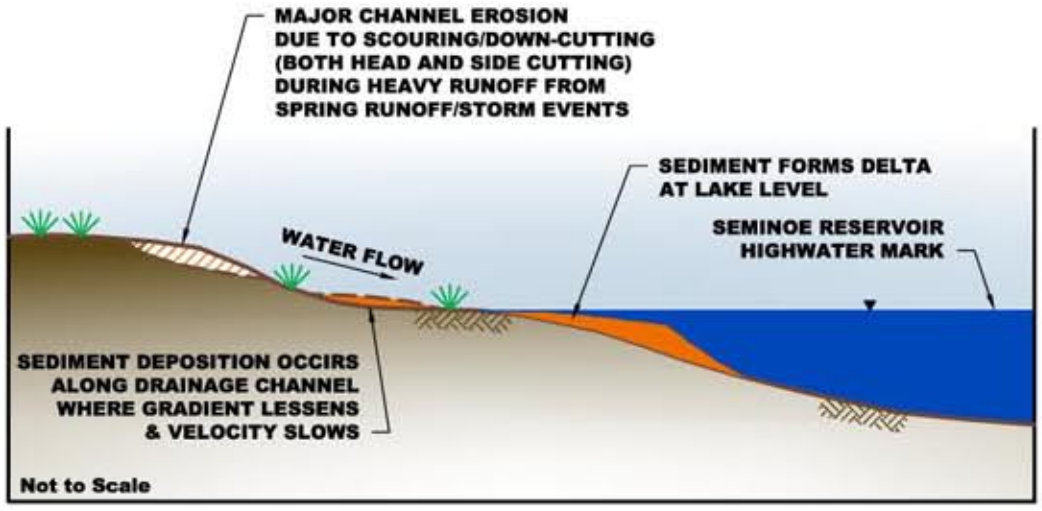
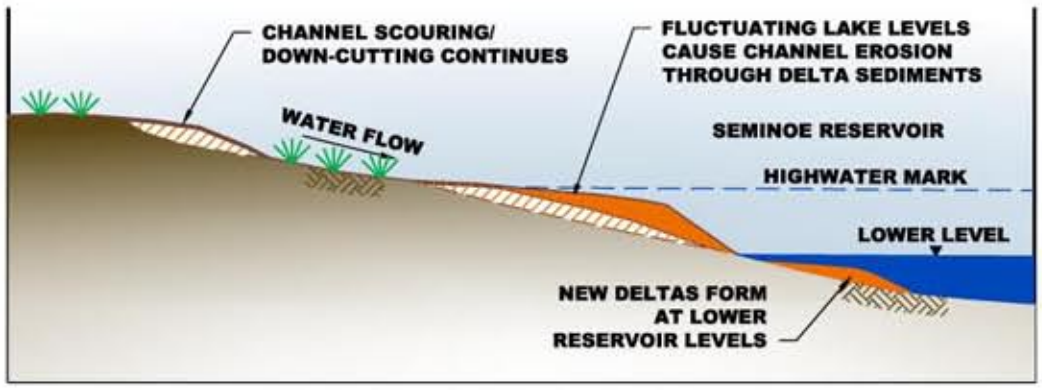
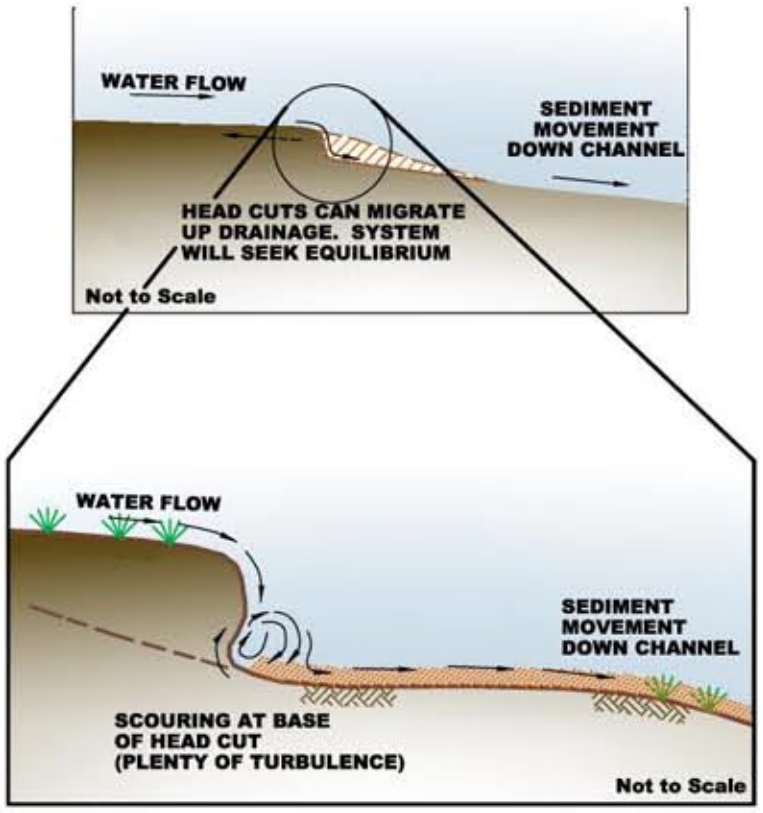


THE DRAINAGES WITHIN THE EIS ANALYSIS AND SURROUNDING AREAS ARE SUBJECT TO NATURAL EROSION AND SEDIMENT DEPOSITION PROCESSES. SURFACE DRAINAGES CONTINUALLY SEEK EQUILIBRIUM. THE DEVELOPMENT AND OPERATION OF THE SEMINOE RESERVOIR INTRODUCED ADDITIONAL DYNAMICS TO THE HYDROLOGIC SYSTEM. DELTAS FORM WHERE SEDIMENT IS DEPOSITIED IN THE RESERVOIR, AND NATURAL VEGETATION HAS BEEN ELIMINATED BELOW HIGHWATER MARK.



FLUCTUATING SEMINOE RESERVOIR LEVELS WILL EXASPERATE SCOURING AND DOWNCUTTING (BOTH HEAD AND SIDE CUTTING) BOTH ABOVE AND BELOW HIGH WATER MARK

DOWN-CUTTING THROUGH SEMINOE RESERVOIR DELTA SEDIMENTS BELOW HIGH WATER MARK



NATURAL DRAINAGE HEAD CUTTING

NOTES:

1) GEOMORPHIC CYCLE IS THE CYCLE OF EROSION.

2) GEOMORPHOLOGY IS THE SCIENCE THAT TREATS THE GENERAL CONFIGURATION OF THE EARTH'S SURFACE, SPECIFICALLY THE STUDY OF THE CLASSIFICATION, DESCRIPTION, NATURE, ORIGIN AND DEVELOPMENT OF PRESENT LANDFORMS.

Seminoe Road Gas Development Project EIS
FIGURE 36
HYDROLOGIC PROCESS AND GEOMORPHIC CYCLE (PART II)