

Active Fault: a fault reactivated at least once in the last 10 000 years

Main aim of the active fault studies: minimize the earthquake damage

To achieve this aim;

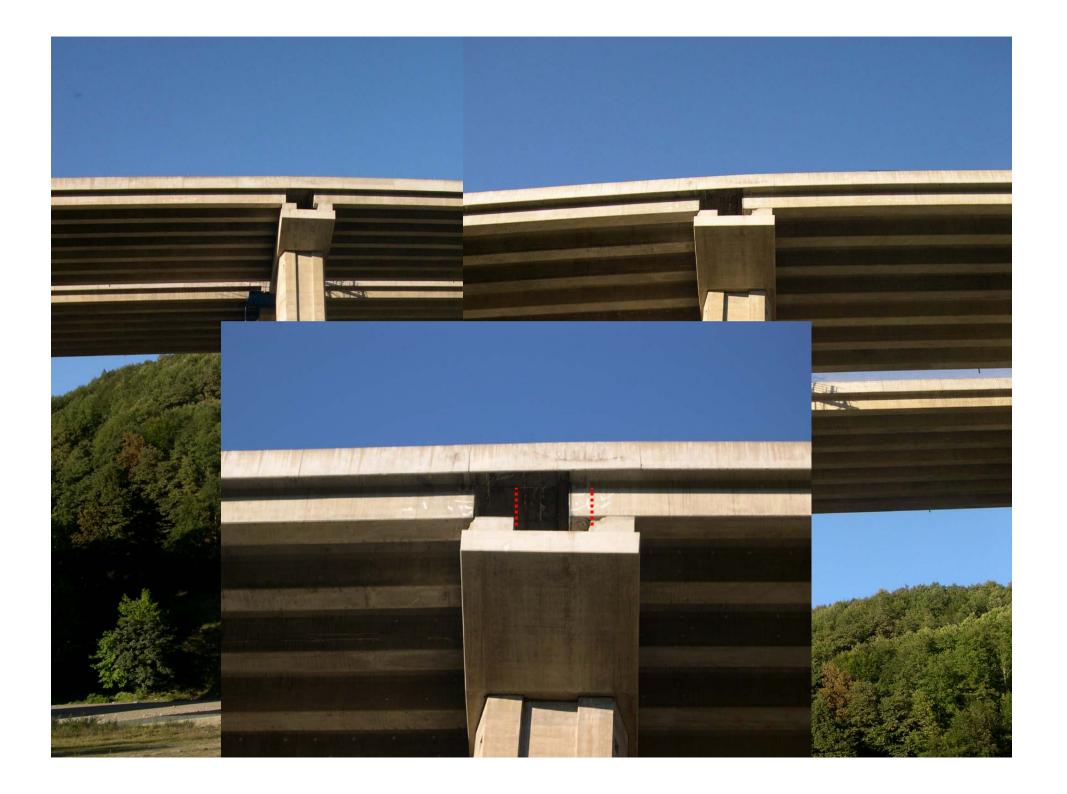
- -exact location of the fault trace
- length of the fault zone
- width of the deformation zone
- slip rate
- re-occurrence of large earthquakes
- date of last large earthquake on the fault

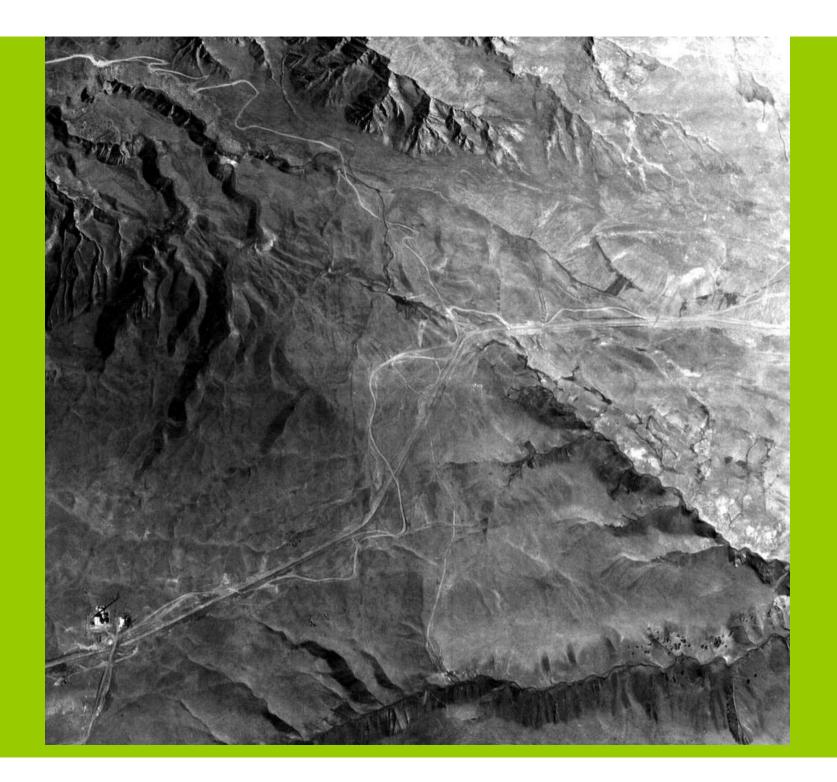






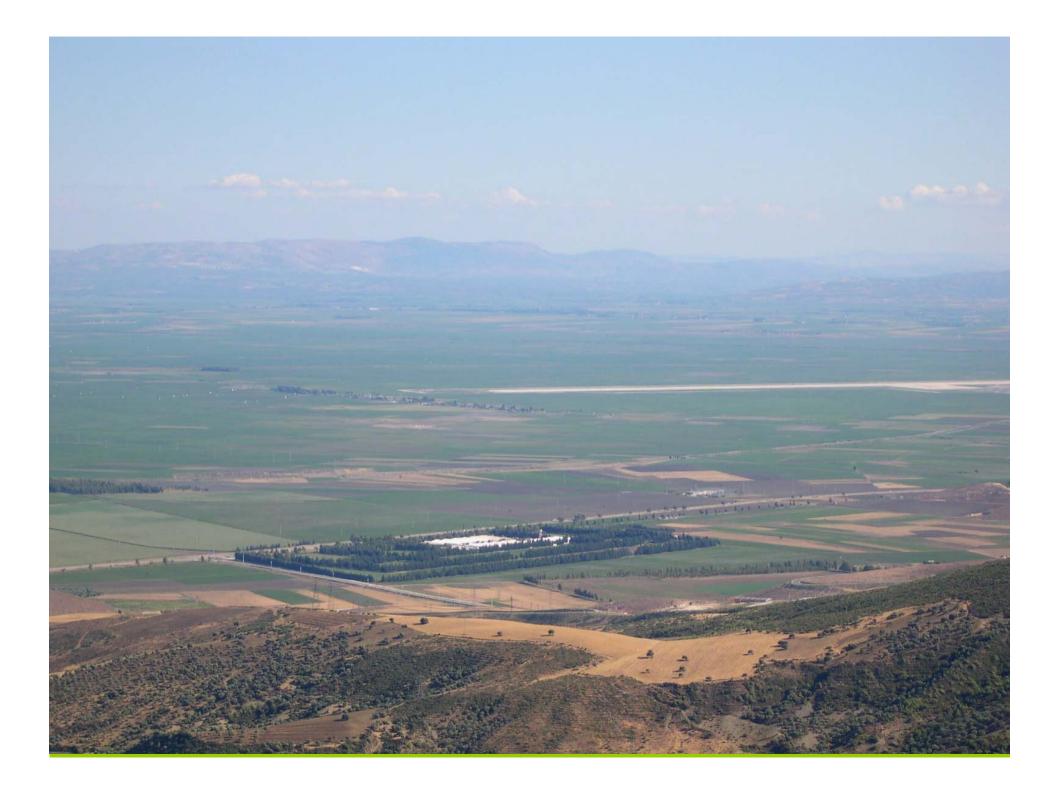














GEOLOGICAL MORPHOLOGICAL

are limited

GEOPHYSICAL

can be obtained by using necessary equipments

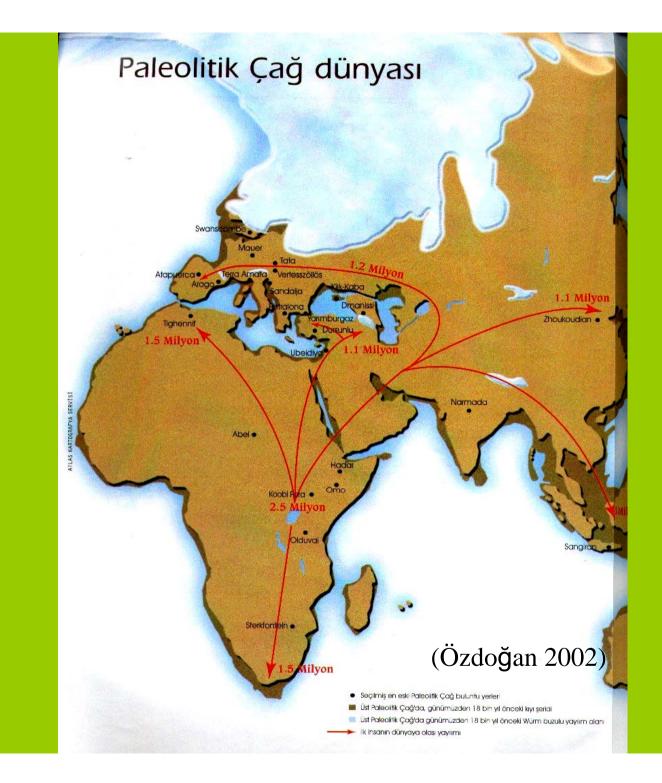
ARCHAEOLOGICAL

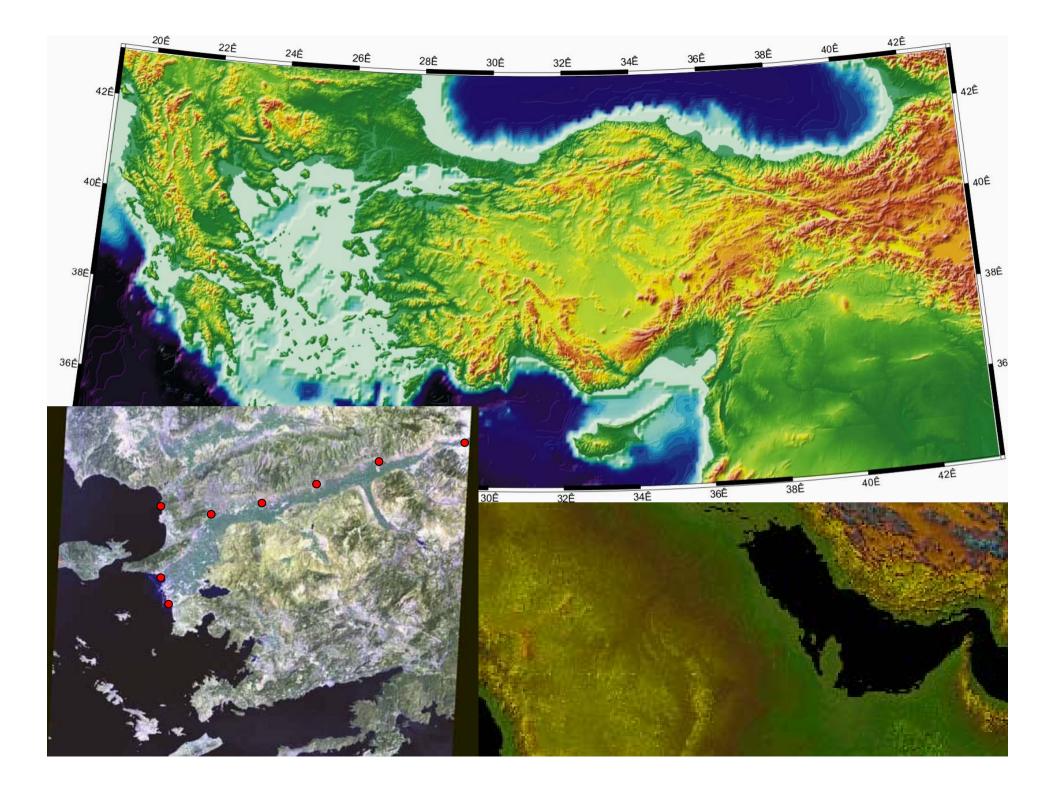
if there is potential, it can be used

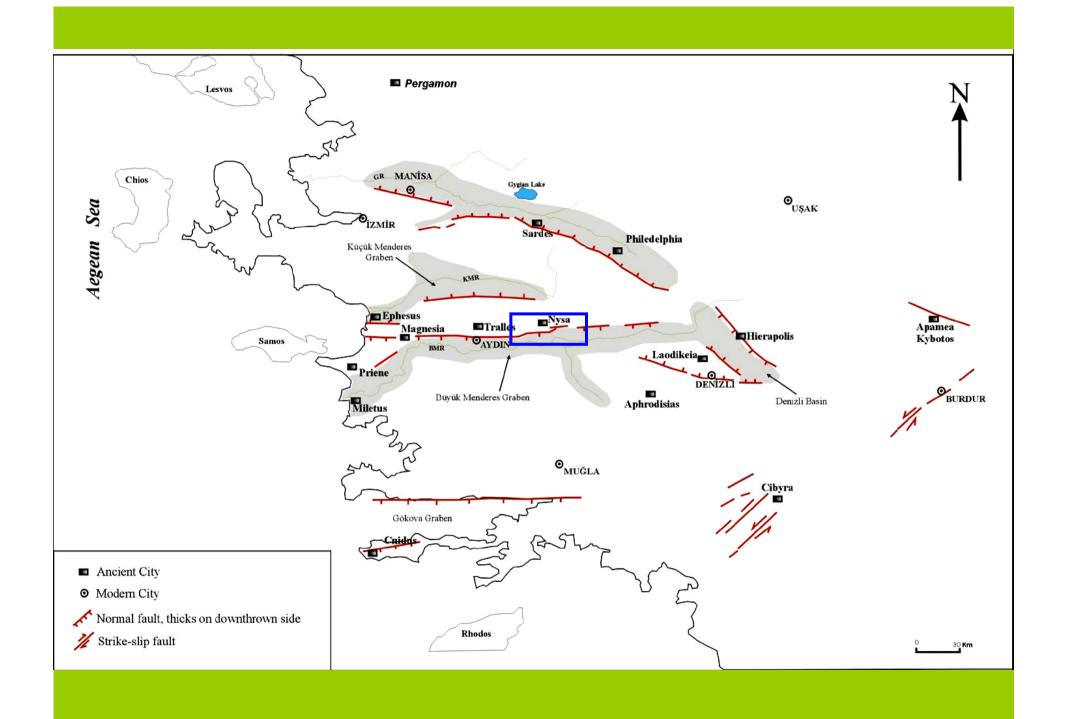
ALTHOUGH ACTIVE FAULTS ARE DANGEROUS, PEOPLE PREFER TO BE CLOSE TO ACTIVE FAULTS SINCE HISTORICAL TIMES













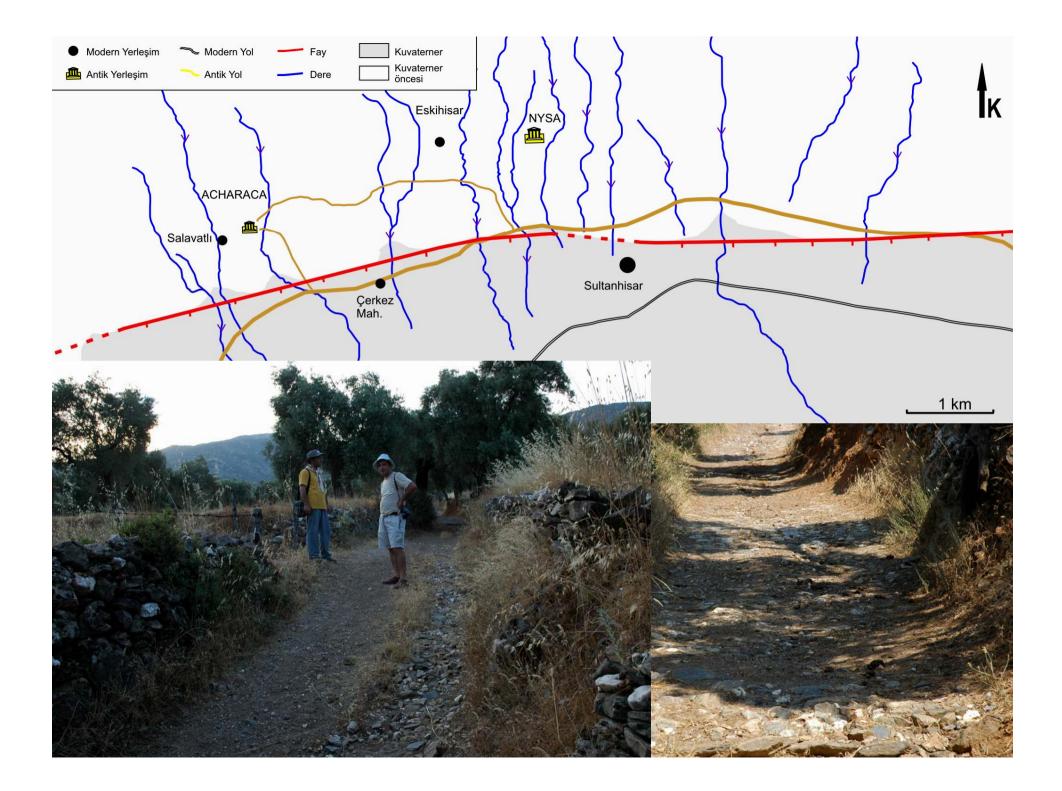
PLAN I.

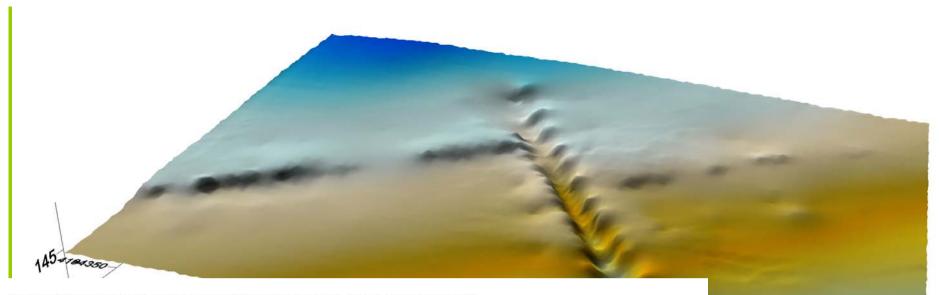
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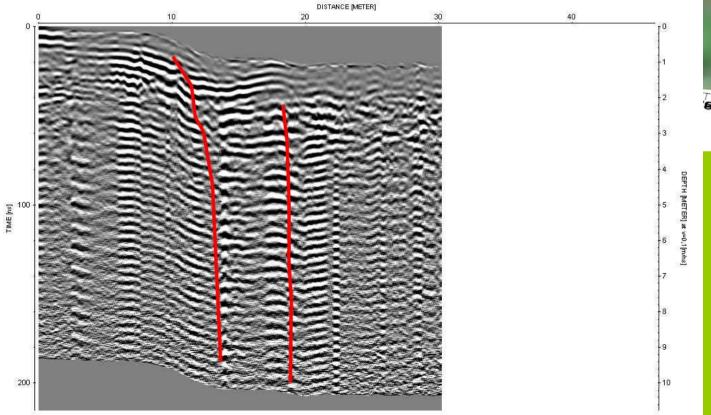
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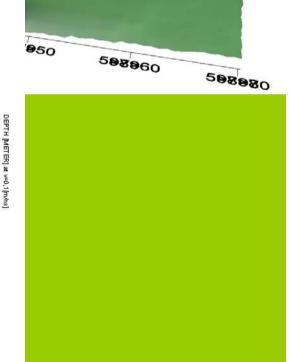
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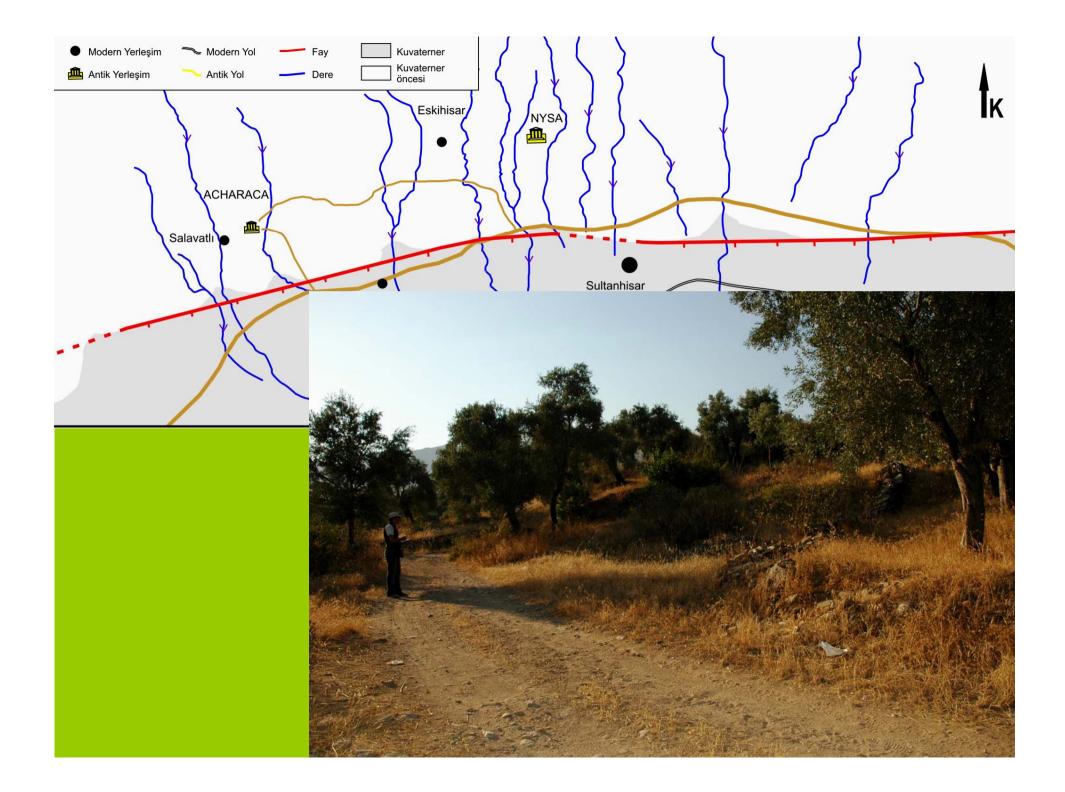


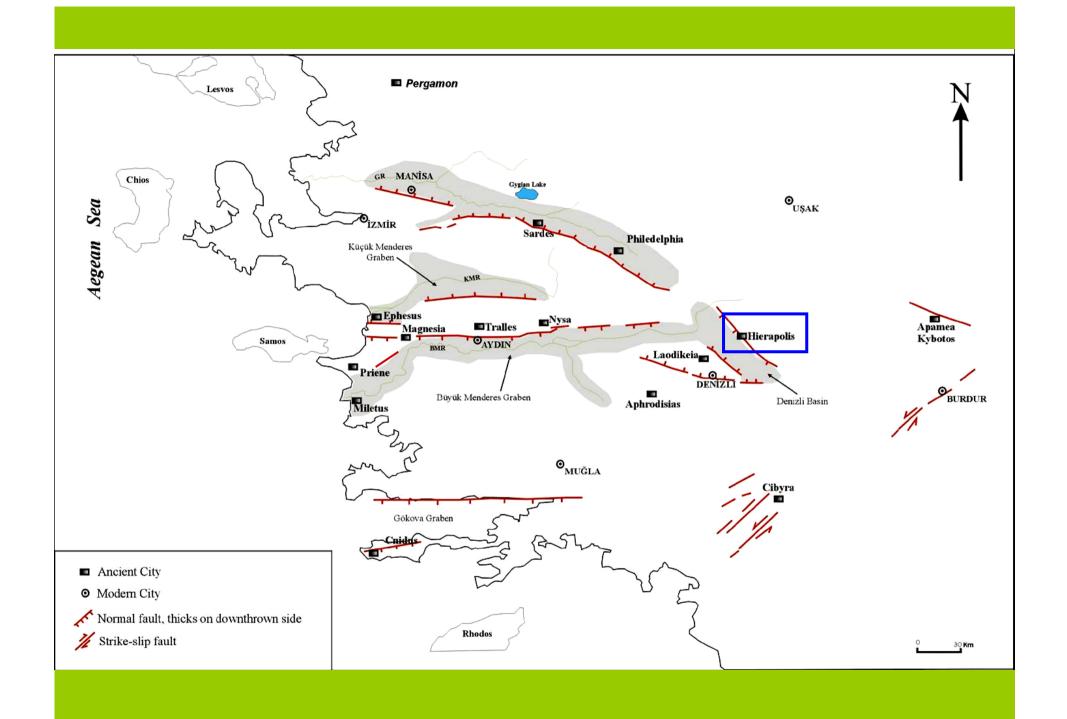


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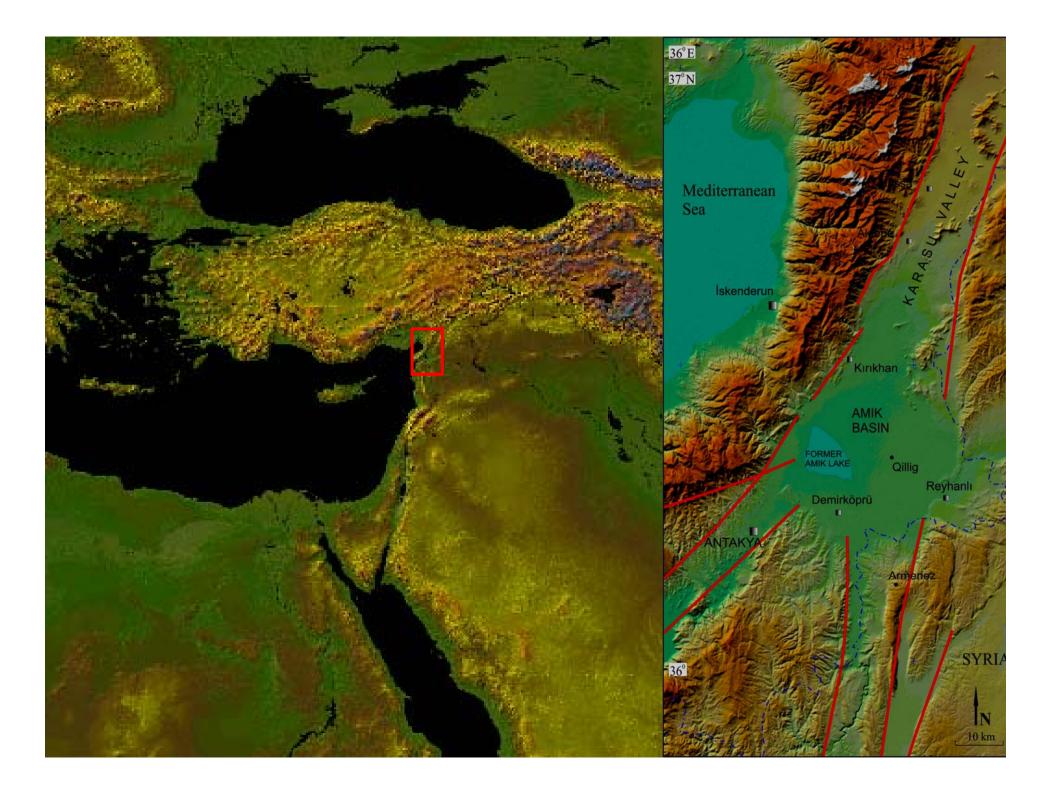


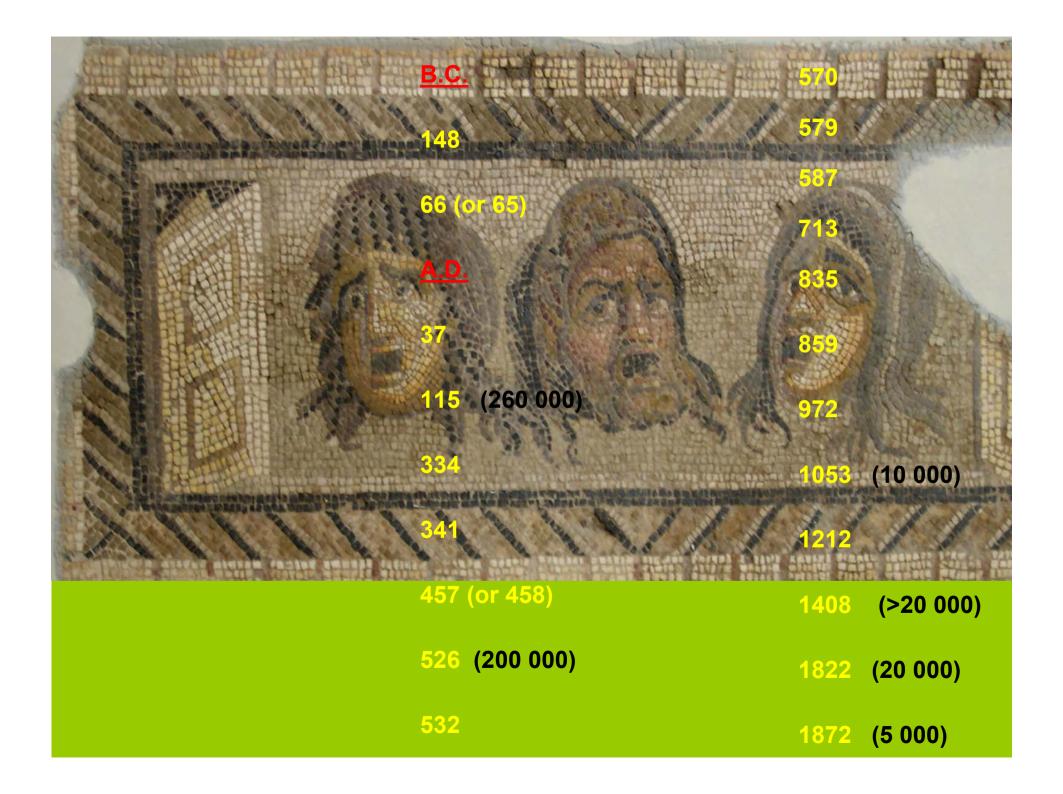


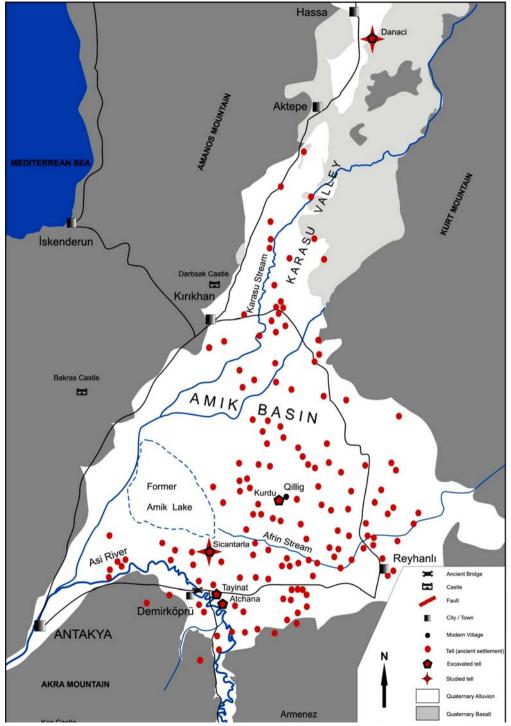


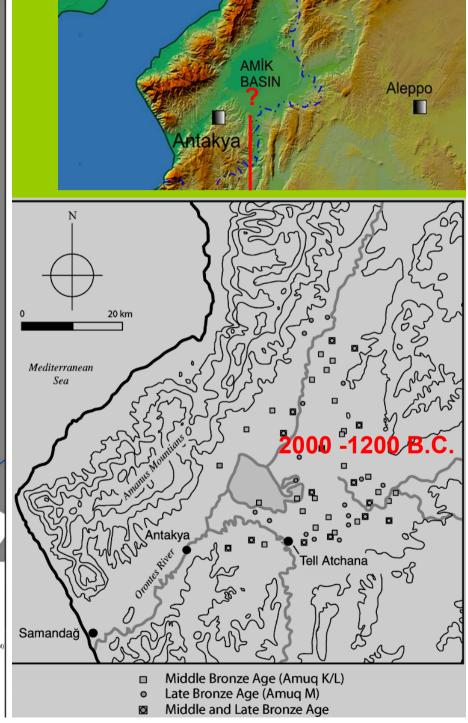


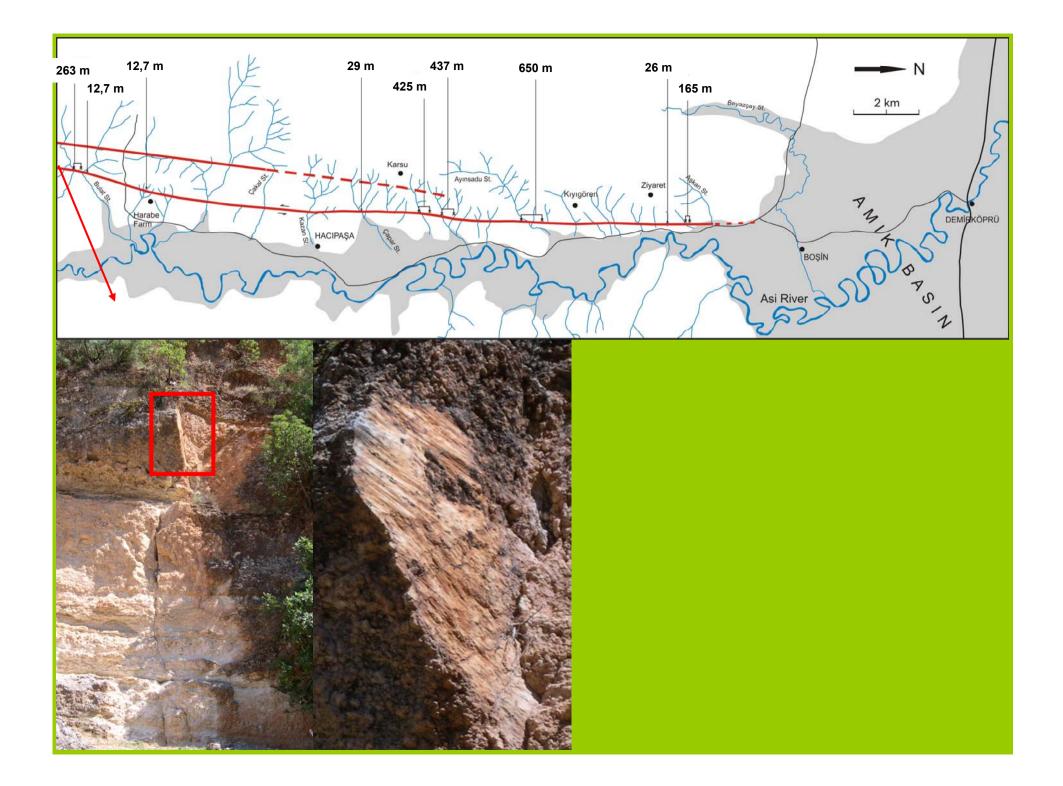


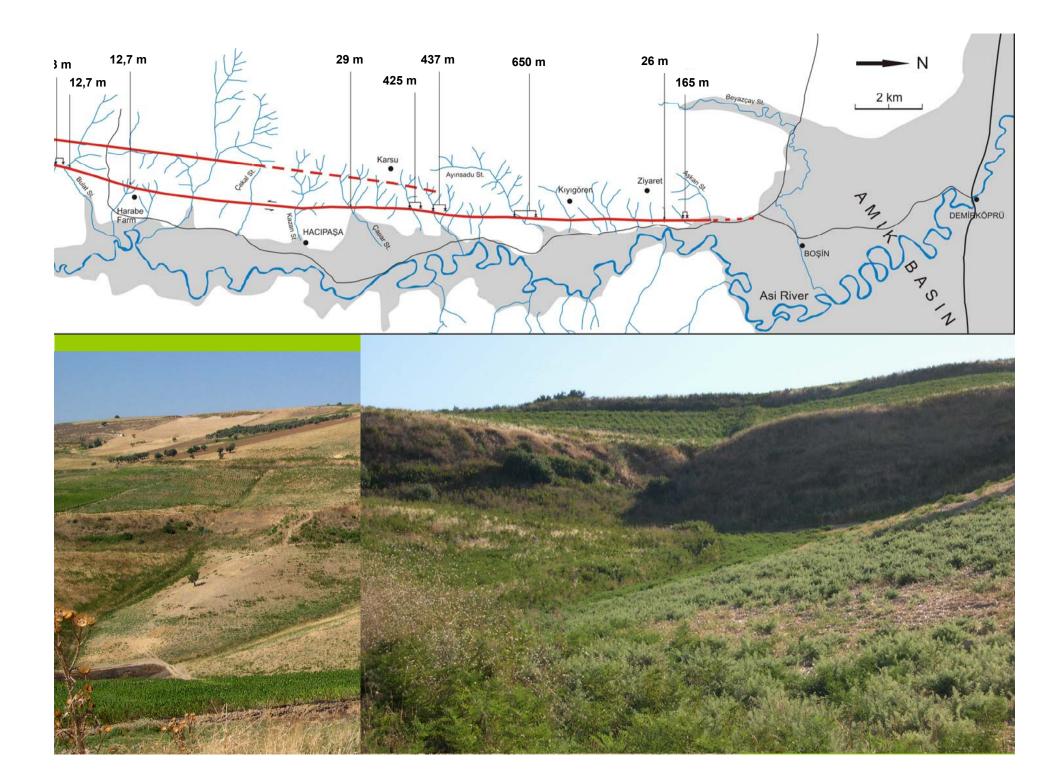


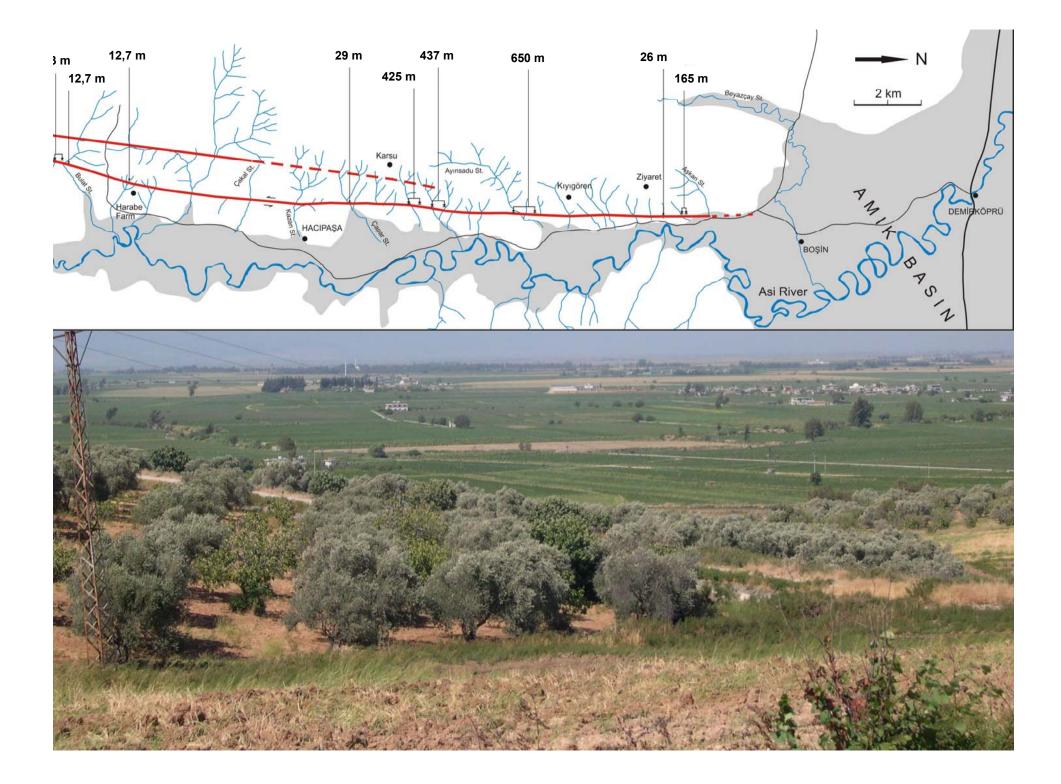


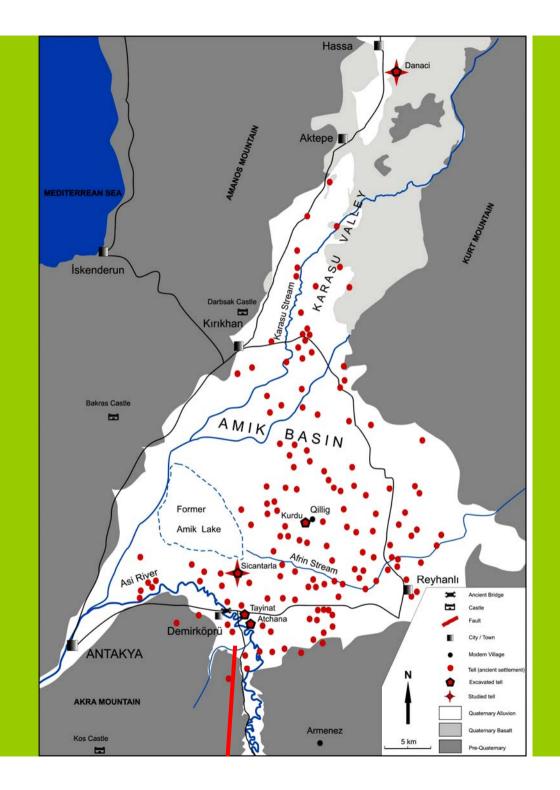


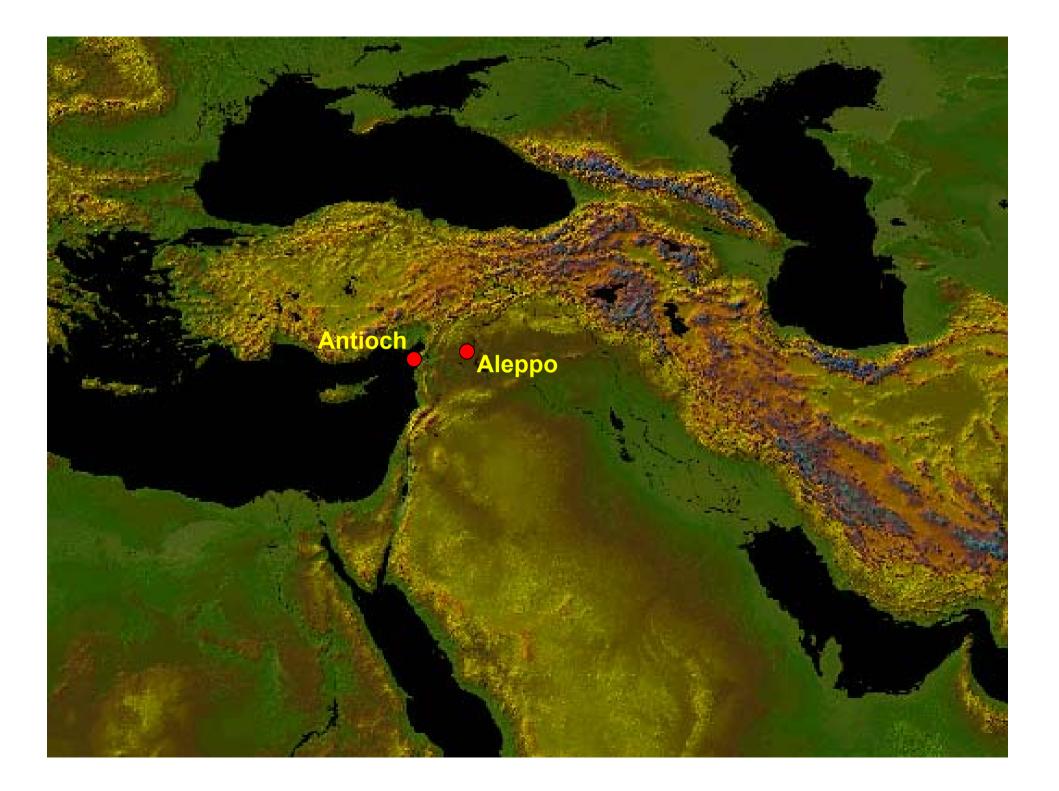




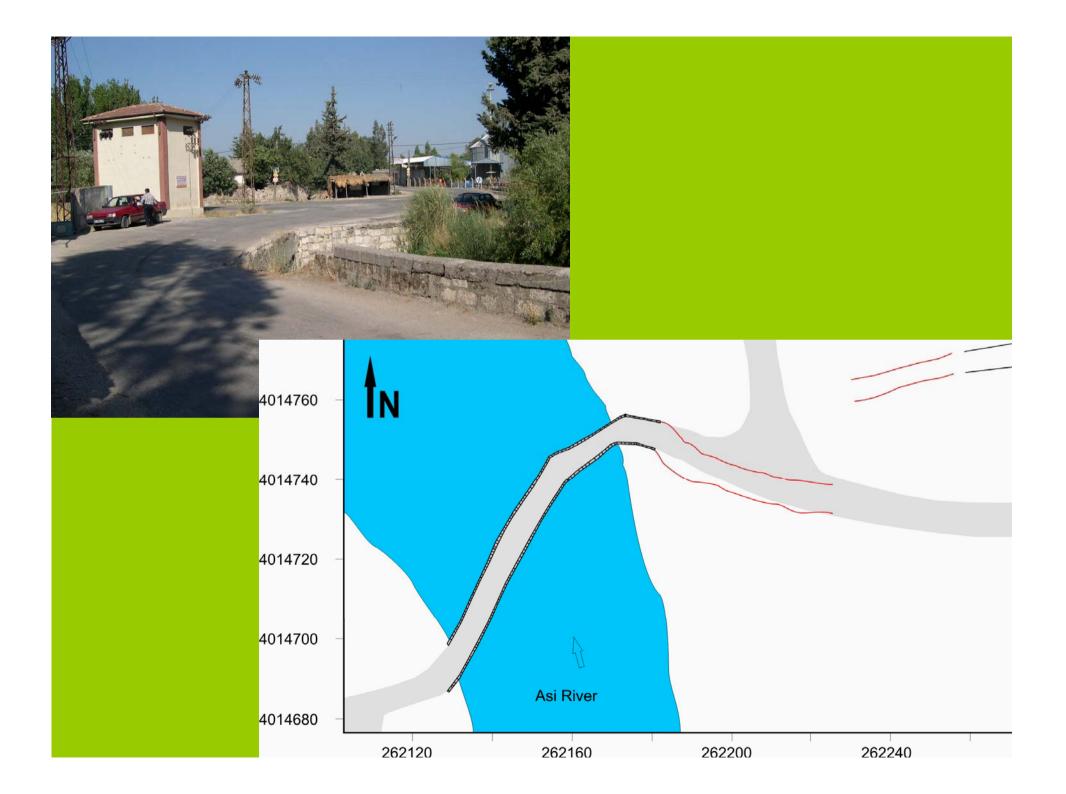


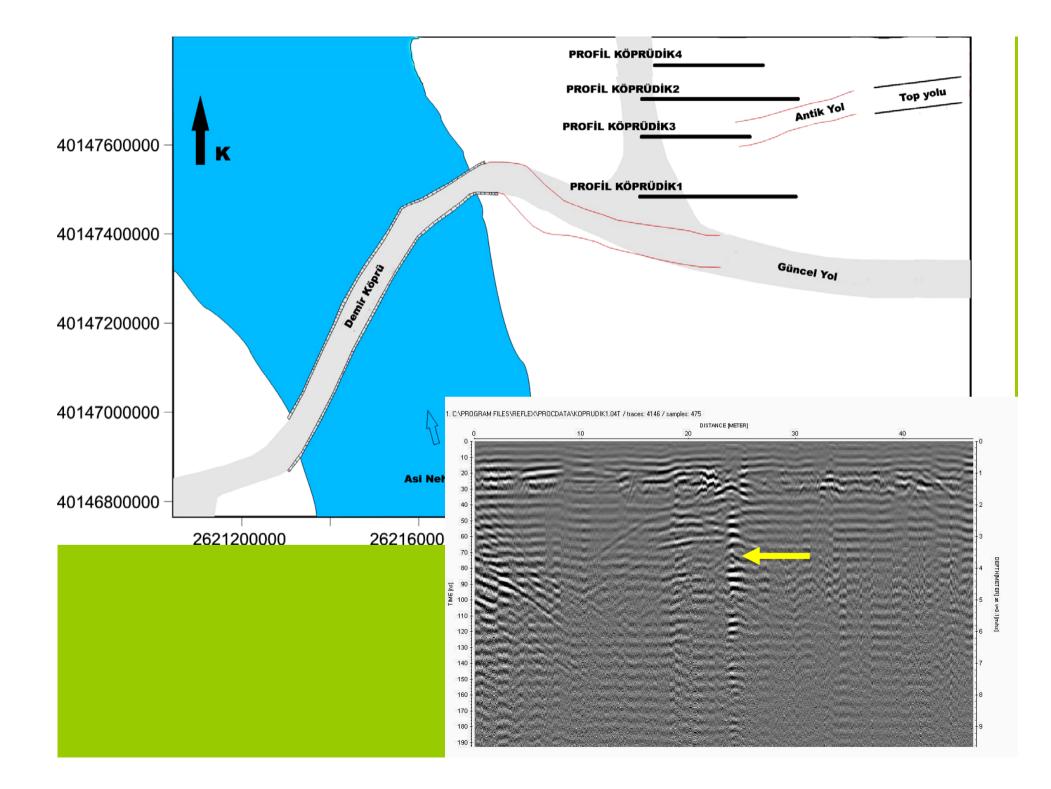


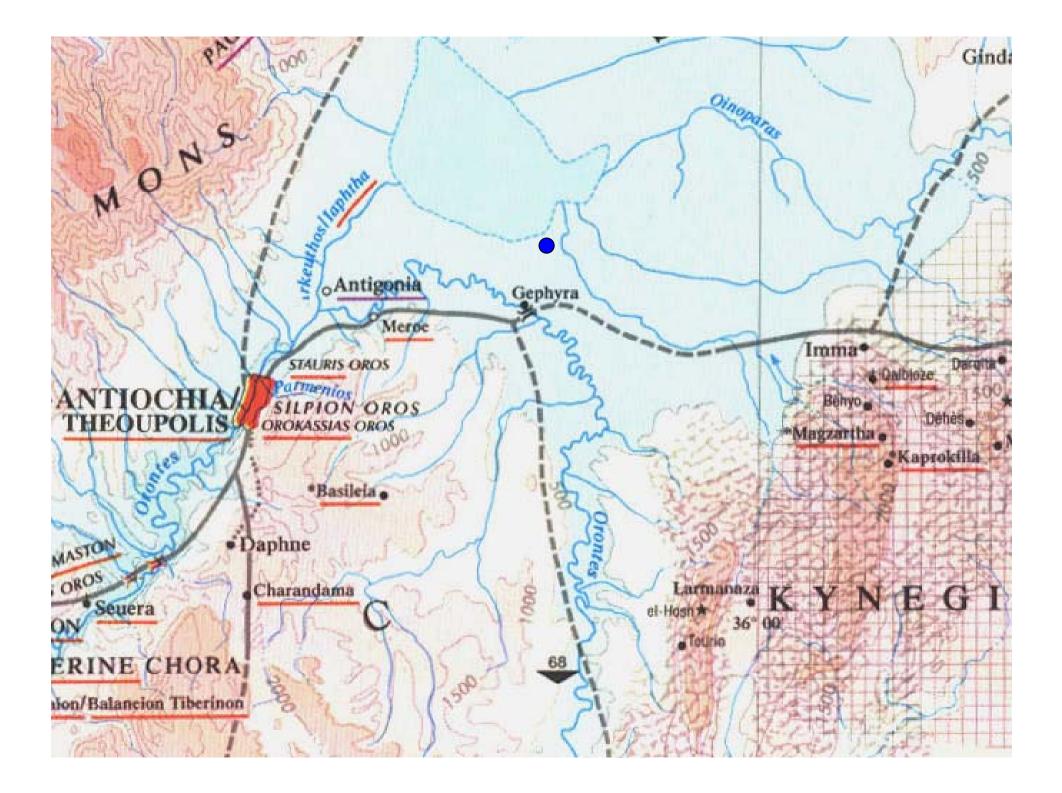




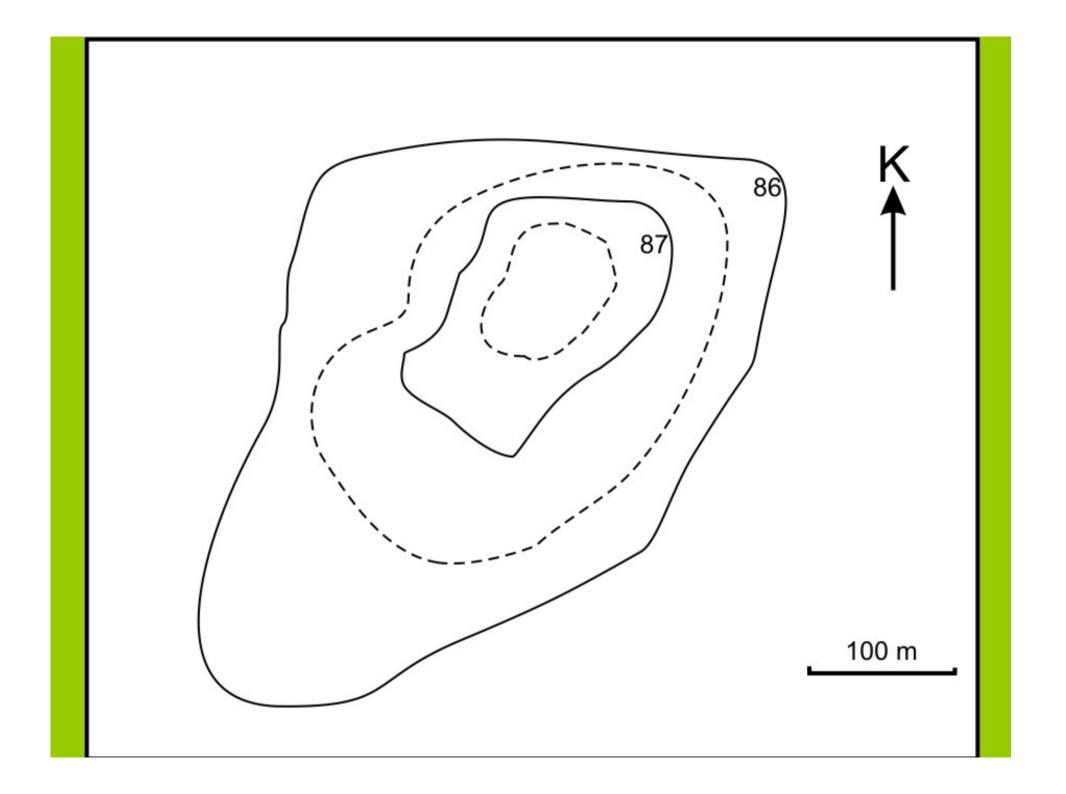


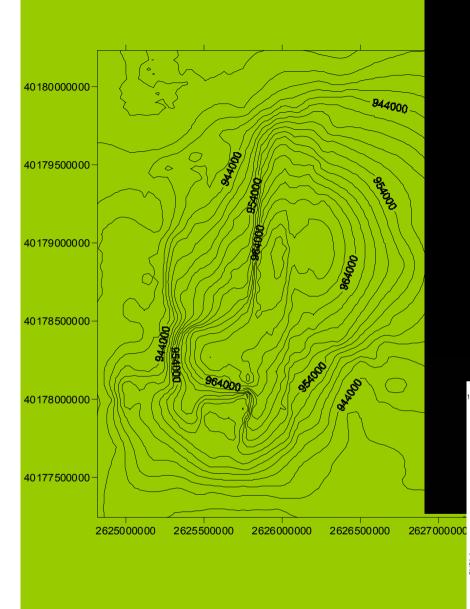


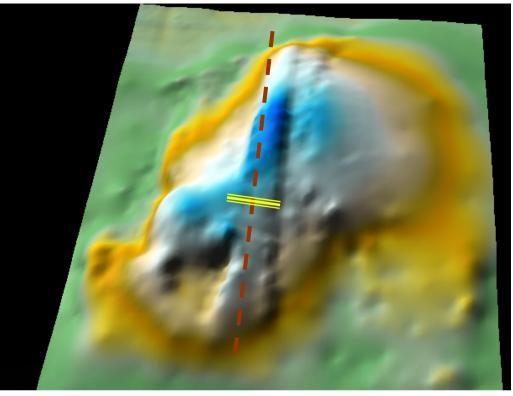






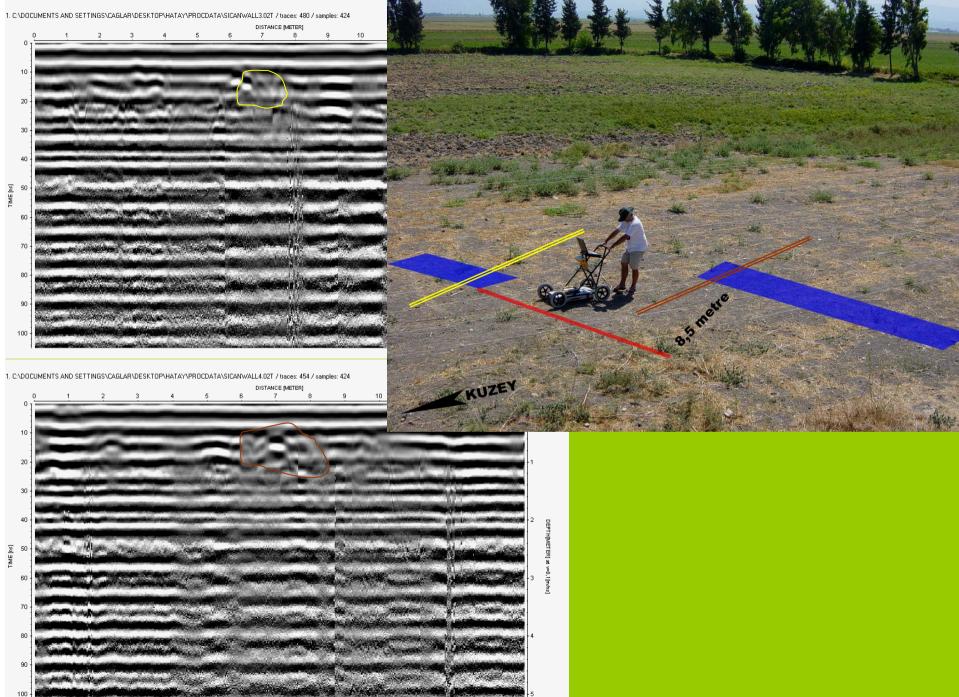


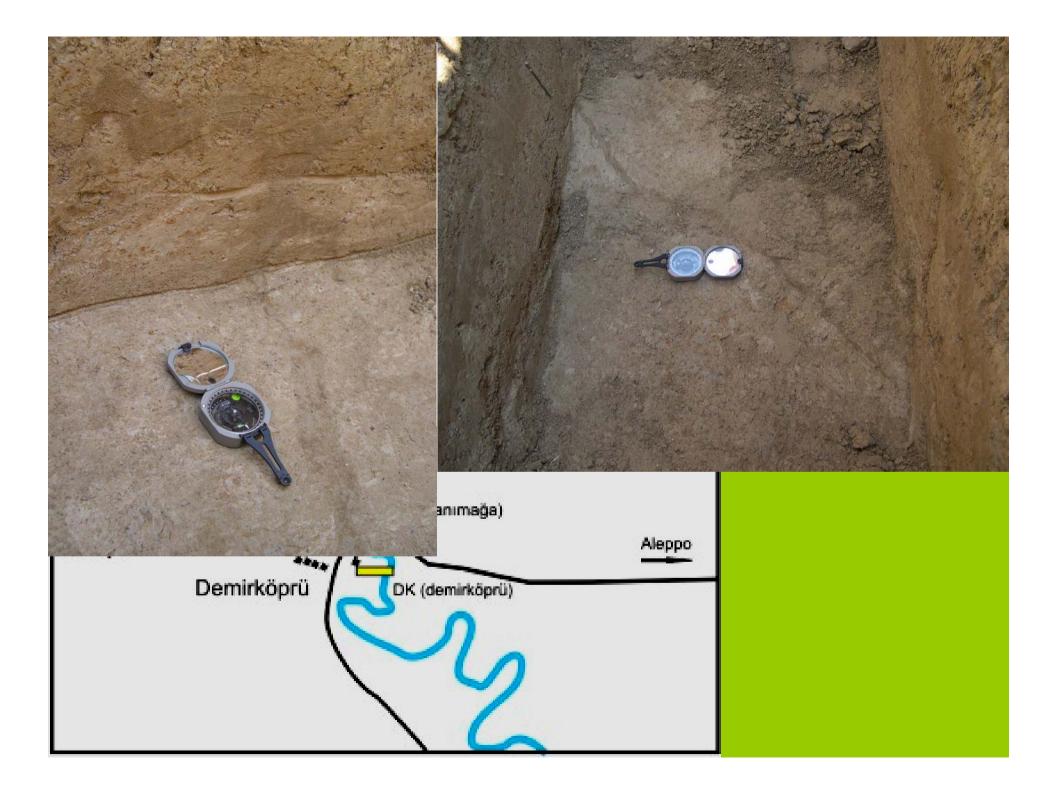


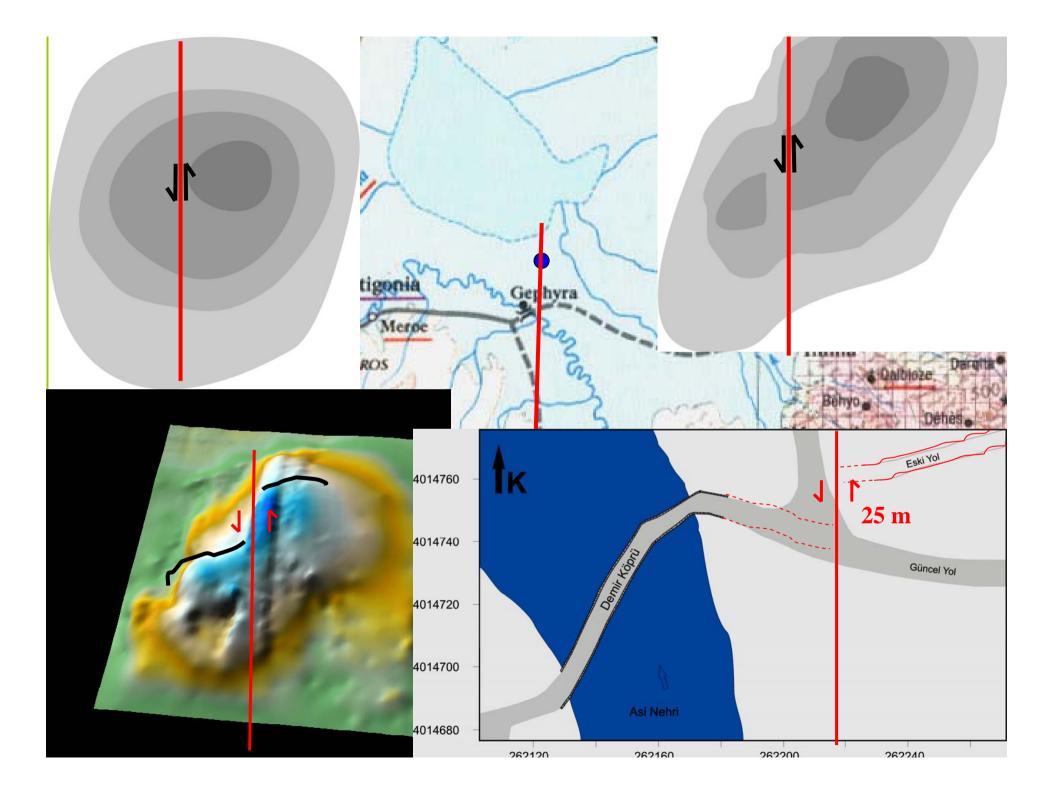


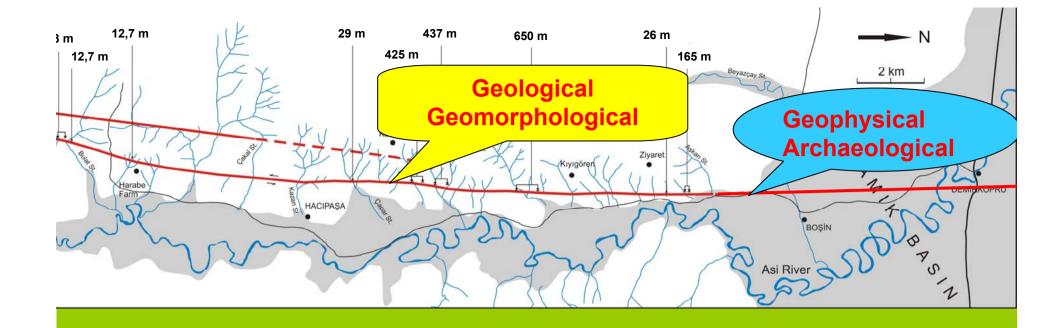
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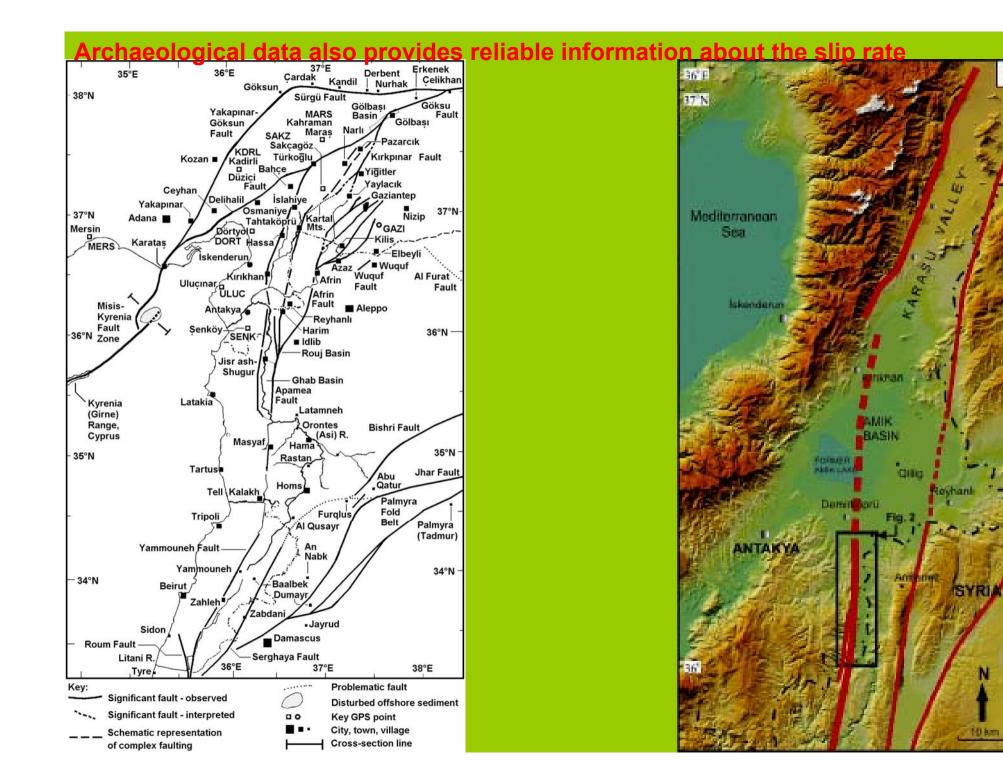




CONCLUSION

Geological and morphological evidences are limited to locate fault traces because either they are removed by man-made activity and erosion or they are covered by rapid sedimentation

Archaeological data provides valuable information and integration of geological, morphological, geophysical and archaeological data enables us to locate the fault trace precisely



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