

Deltas in Shallow Water Lacustrine - Examples from Modern and Subsurface

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Photos from Google Earth provide us clear insight of modern sediment. Two types of deltas were founded in the photos for Boyang Lake in Jiangxi Province of centre China. One is mainly made of natural levees and with a shape of bird-foot, and the other is mainly made of distributay bars with a shape of triangular. These two type delta indicates different sedimentary processes and reservoir character. And in the study of Neogene deposits in Bohai Bay basin, based on seismic reflection characteristics and reservoir parameters, two types of delta similar to these two type are found too. In the bird-foot delta, levee is the main component of the delta and sandbodies are isolated. The levee is the result of bars combination. When the distributary river run into the lake ,many little bars are formed in the front of the river mouth, and they are always isolated. With the river prograded to the lake, bars near in the sides will be combined together, then levees formed. Bars are the main component for the deltas with shape of triangular. These bars are similar to that in the bird-foot shape delta when they formed. But they become bigger and some will amalgamate together which made them more continuous. When the river prograded into the lake, they will show up and becomes more continuous.