
Name _____

Class hour _____

Aerial Photo Exercise

This exercise is based on stereo photos found in *Aerial Stereo Photographs* by Harold R. Wanless. Read the photo captions for help with some of the questions.

Plate 28 -- Fraser Point, Santa Cruz Island, California

Is this coastline erosional or depositional? Is it primary or secondary? What is the evidence?

What is the feature at C.9/3.7?

What evidence is there that sea level has changed in this area?

What do you think actually changed, sea level or the elevation of the island? What evidence can you give to support your answer?

Plate 31 -- Joseph Point, Florida

Draw a sketch of this feature in the space below. Put an arrow on your drawing indicating the direction of longshore transport. Put a big “Y” on the youngest part of the feature.

What is this feature?

Plate 32 -- Red Fish Pass, Florida

What kind of features are Captiva and Little Captiva Islands in this photo pair?

Are these features depositional or erosional? Primary or secondary?

What sort of feature is forming in Charlotte Harbor? Why are there two deltas here?

Are these features depositional or erosional? Primary or secondary?

Plate 75 -- Swan Pond, Massachusetts

Why does this shoreline have a sawtooth appearance?

What is the purpose of the largest jetties in the photo?

How might this area be different without the jetties?

What are the “wispy” features offshore? Are they on the bottom or on the surface of the water?
How can you tell?

Plate 77 -- Green Bayou, Texas (1957)

This is a barrier island with an inlet into the lagoon behind. What is the direction of longshore transport here? How can you tell?

What was the weather like when this photo was taken? How can you tell?

Plate 78 -- Green Bayou, Texas (1960)

What has changed in the 3 years since the earlier photos were taken?

Would this be a good place to consider building? Why?

Plate 79 -- Green Bayou, Texas (1951)

How has this area changed in the 1 year since the preceding photo?

Where has the sand that used to be in the barrier island gone?