

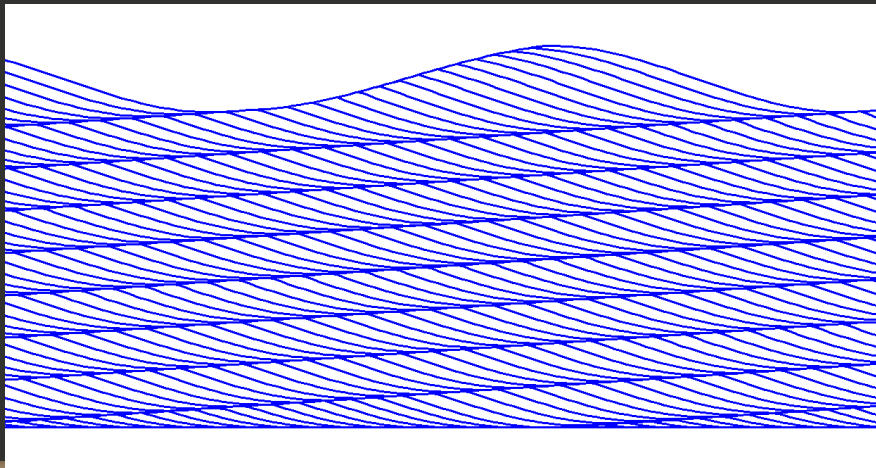
Earth 333

Lab 3 – Sedimentary Structures

Depositional environments w/ examples

- Primary Sedimentary Structures:
 - <https://www.youtube.com/watch?v=qYuVXCEcjac>
- Secondary Sedimentary Structures:
 - <https://www.youtube.com/watch?v=-TCSW61wm8Q>

Climbing Ripples:



<http://hinderedsettling.com/2008/04/05/climbing-ripples-i/>

Soft Sediment Deformation/
Dewatering Structures (Flame structure here):



<https://www.flickr.com/photos/27171925@N08/2532375398>

For the Lab:

- Make sure you are describing structures (e.g. cross bedding), orientation (up direction and flow/wind direction), and the reason you know this
- Include grading type (normal/reverse), and laminations (fine, medium, coarse)
- Don't forget to make interpretations that describe flow regimes (constant or changing – describe how or why), energy of environments, and depositional environment (is it deep water marine, deltaic, etc...)
- You can use annotated pictures (preferred) instead of sketches