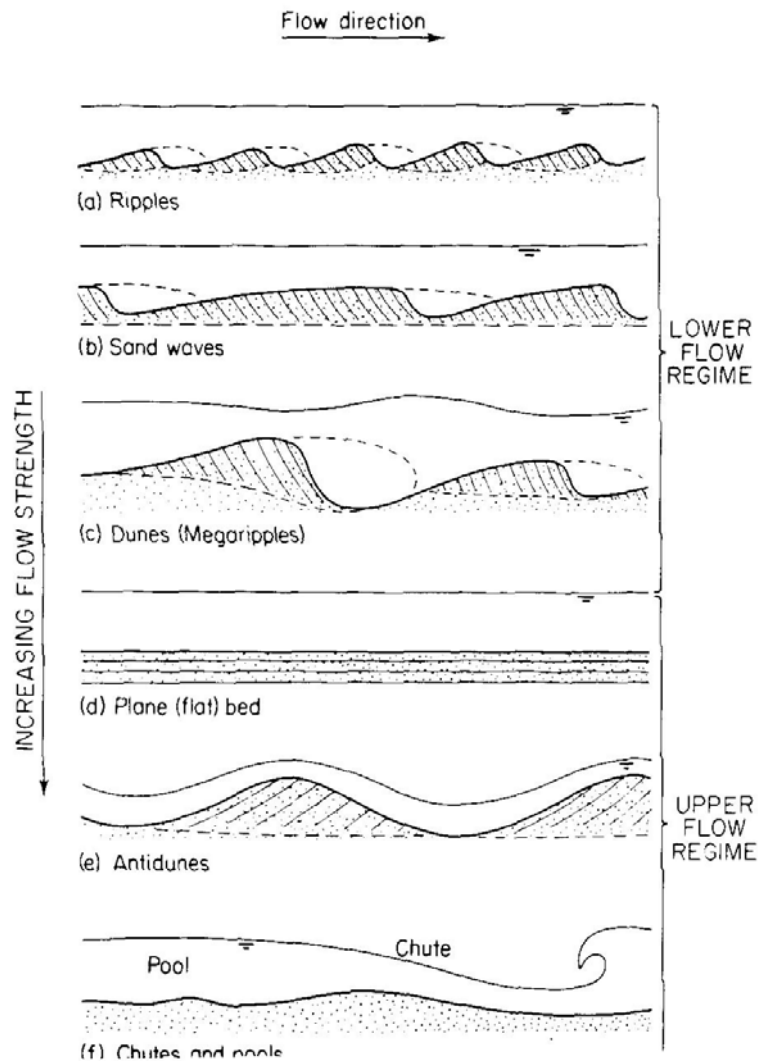
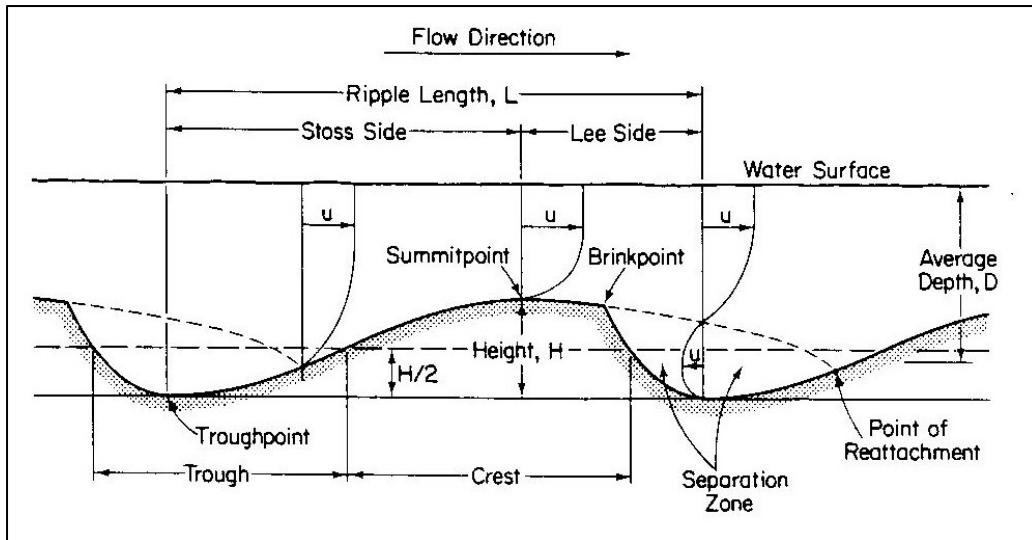
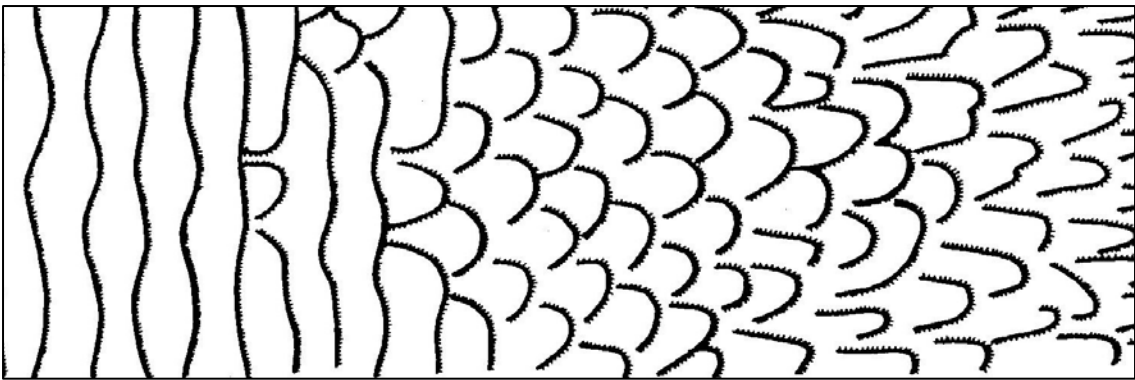
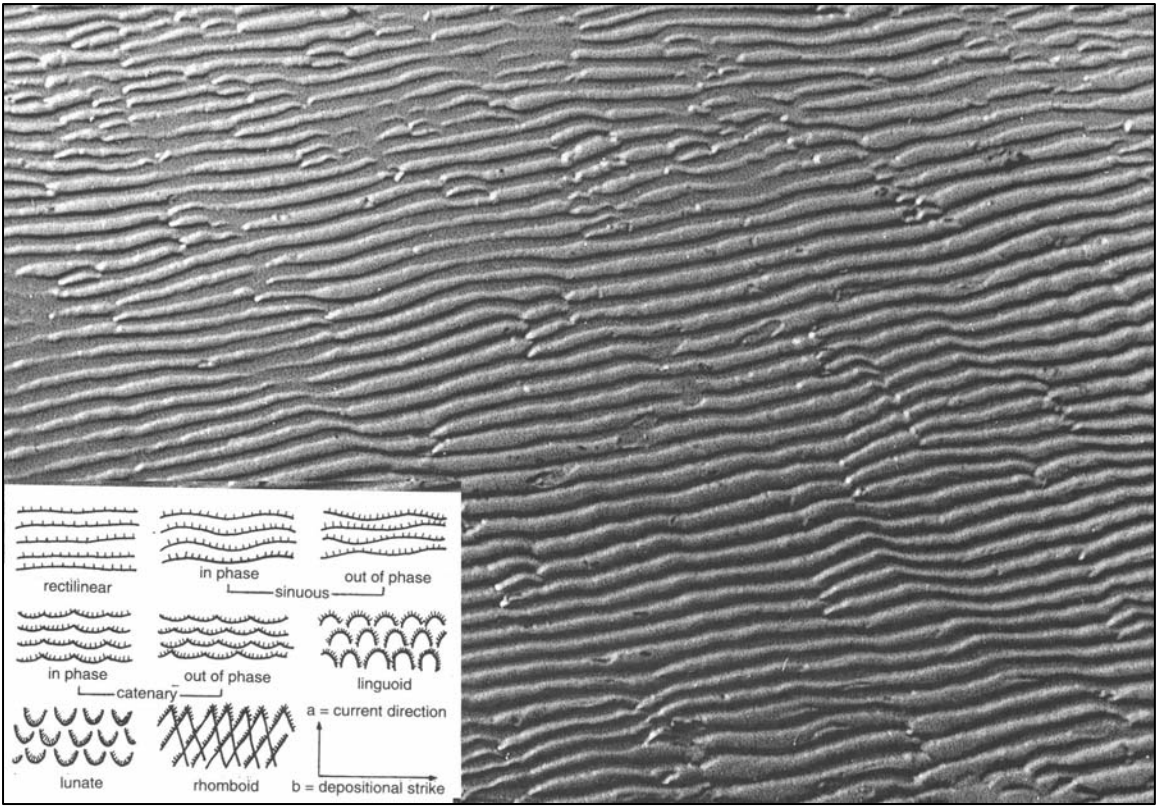
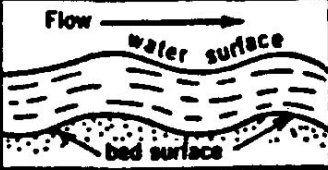
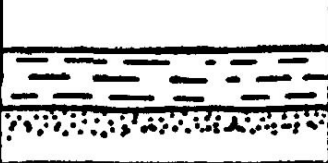
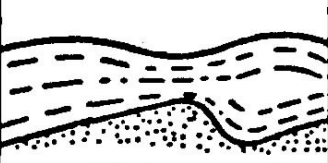



GY 402 Sedimentary Petrology

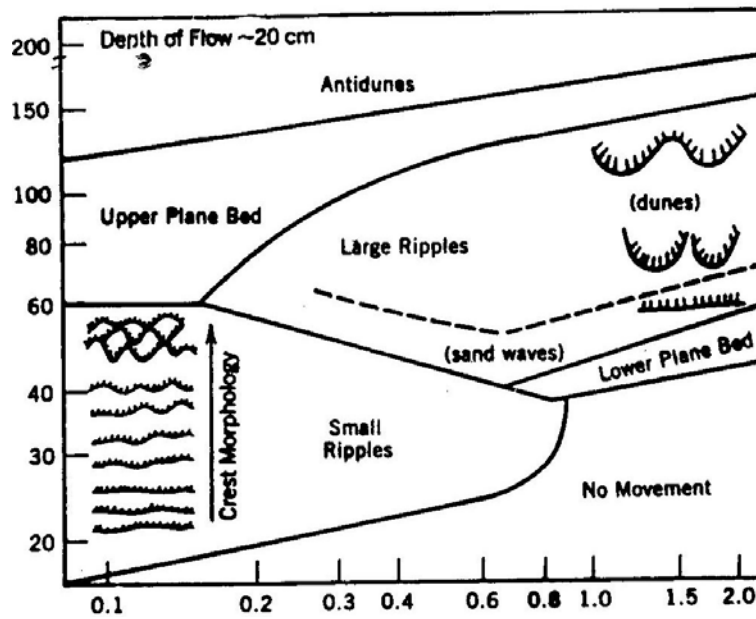
Lecture 5: Bed form Development Handouts



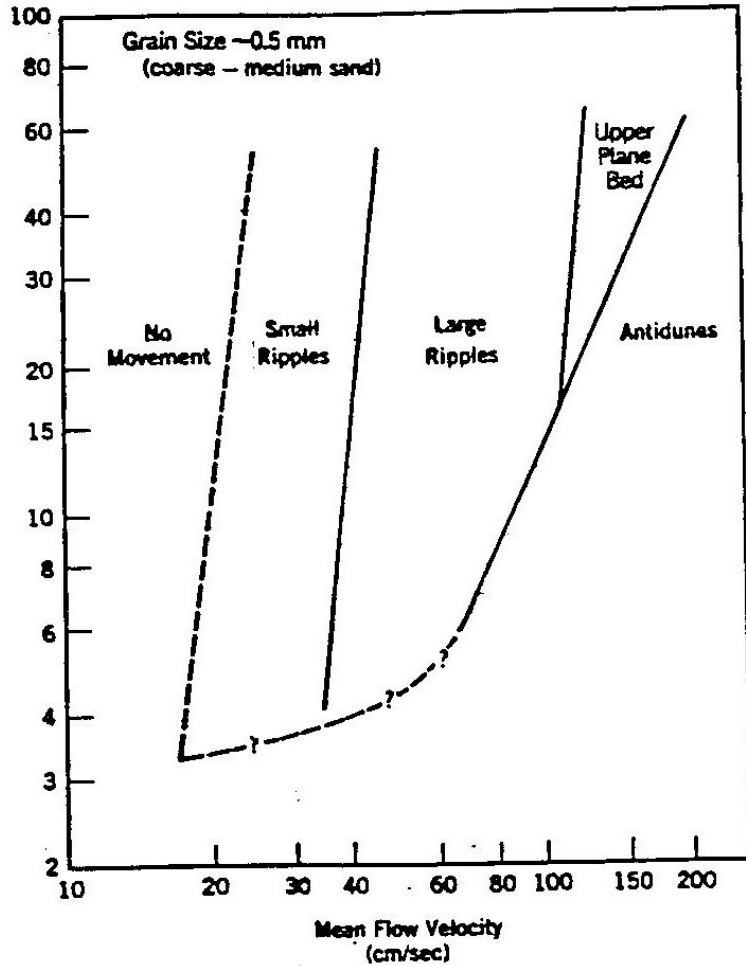


| Bedform | Surface | Morphology | Flow Regime |
|---------------|--------------|--|-------------|
| Antidunes | In phase |  | Upper |
| Plane Bed | In phase |  | |
| Large Ripples | Out of phase |  | Lower |
| Small Ripples | Out of phase |  | |

Current velocity (cm/s)



Grain size (mm)



Source of figures on the previous pages:

- Allen, J.R.L., 1963. The classification of cross stratified units with notes on their origin. *Sedimentology* 2., 93-114
- Allen, J.R.L., 1968. Current Ripples. North Holland Publishing, Amsterdam. 433p
- Blatt, H., Middleton, G and Murray, R., 1980. Origin of Sedimentary Rocks. Prentice Hall Inc., Englewood Cliffs, NJ, 782p
- Collinson, J.D. and Thompson, D.B. 1982. Sedimentary Structures. George Allen and Unwin 194p
- Harms, J.C., Southard, J.B., Spearing, D.R. and Walker, R.G., 1975. Depositional environments as interpreted from primary sedimentary structures and Stratigraphic sequences. *SEPM Short Course* 2.