Class Trip to Rhode Island Outcrops

- with Chris EG and Strucfure/Field

A Field Bode Example
Noe: sketches misspellings errors
ruminations
data
date/ location info
scale/ orientation in sketch mags use of abbreviations etc..

A fill book is your business. Make the most out of it as a tool to collect and consider and share your observations.

Be bold, be honest, be accurate be wild, but make it clear what is dos. and what is interp.

19 IX 2005
RI Ops.
19. IX - 2005

RI oops.
(1) Students collect loads of trend-plunge dada for elongated clasts
CONVENTION " $30 \rightarrow 250$ " read
"plunging 30 degrees toward 250", where trend is always in the down-plunge direction

- collection is allover ocp, using pens and pais's to aid Anta collection
mention local declination (hames) - mention data collection philos. (hypo gever./testing)
(2 )-Students collect loads of clast-ratio duta to bol at strain. Moult. is with reles/tapeneascic

Notes

- Congo. Composed of largely quartzite/ss clusts, $\sim 5 \mathrm{~cm}$ (small axis) $\times 25 \mathrm{~cm}$ (lg.axis). Some other lith recognized. Large clasts also present (angular) $(\sim 30 \mathrm{cmx} 80 \mathrm{~m})$. Some weak bedding obs. in Fig. lenses/beds., esp on path nr. Plot and. ar. cliff edge. Clasts in congo appear "squashed" together with some clasts deformed against contacts w/ other clasts, matrix mashed and great fabric as strained around other casts

Notes td - some pebble /class tops striated $\gamma$ - some matrix lodes like its lithified then strained!

- some layering in congo looks more strained than other layers (partitioned)
- followed ghz. vein in fracture across op
- congo clasts spherical in $x$-sect




Location 2 e Bevertail.

- We move south, Visit an outcrop to consider filiation, clesage, beefing, intersection liminations, folds, etc: we make mints.: of the above and move to study a fold rear the ". C" on the map.

Notes:
-foliation is a generic Herm describing thin layering ... it has no tectonic geneticimplication - desage spectrally refers to a planar fabric in the metamorphic rocks that has a tectonic and mineralogical context. The fabicie is penetrative, throughout ter er

There are distinct regions that have variable

- preservation of bedding (or oren visibility)
- sedimentary archine cure (all muts us. sard /aitecmemiss)
- degree of cleformation (layercillue to chaos)
- degree of brittle fracturing and ate veins

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Q lac. 2

- we find a fold to concentrate on.
$\rightarrow$ we coniseder up indicators
- truncated see beds.
-x-belding ied fabric
$\rightarrow$ we consider foliation and intersect lin. - use dip frisbee
$\rightarrow$ we try to figure plane of fold and $T / \rho_{\text {at }}$. s s.


This -hing is
an overturned Anticline!

- Maybe at dunging limbs, maybe.
- It is all faulted up by younger brittle structures!

Some Afterthought Notes

- Setting Compass Decimation

- We want to measure True North
- We of feet compass dial so reeds TN.



