

A. Maintain the quality of science
integrity of core measurements at site

Aim of core measurement:

- increase knowledge of the system
- to compare fundamental processes and patterns between sites

- 1) Identify core for each site and plan for its evolution
- 2) Continually add to basic descriptive data base + basic understanding of the system
- 3) Continual improvements to data access and integration
- 4) Stay on cutting edge of technology
- 5) Fresh perspectives, expertise collaboration + comparisons
- 6) Legacies/archives
- 7) Training/Education / Outreach

Three Time

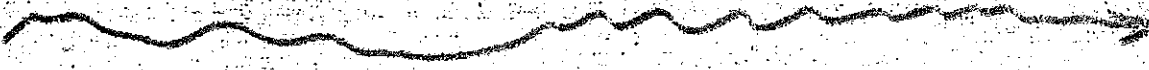
Case # 1



Case # 2



Case # 3

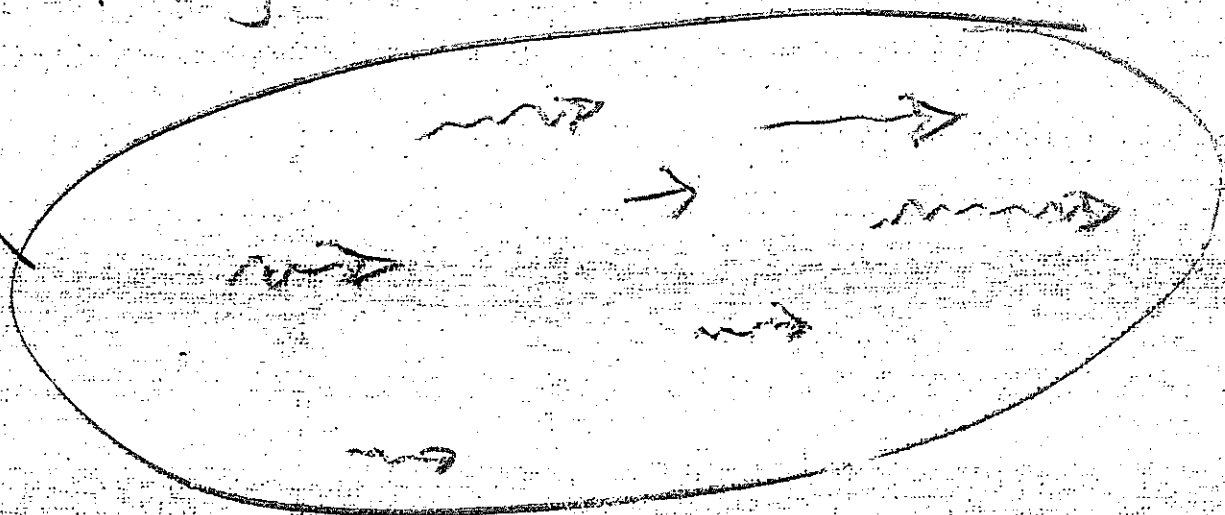


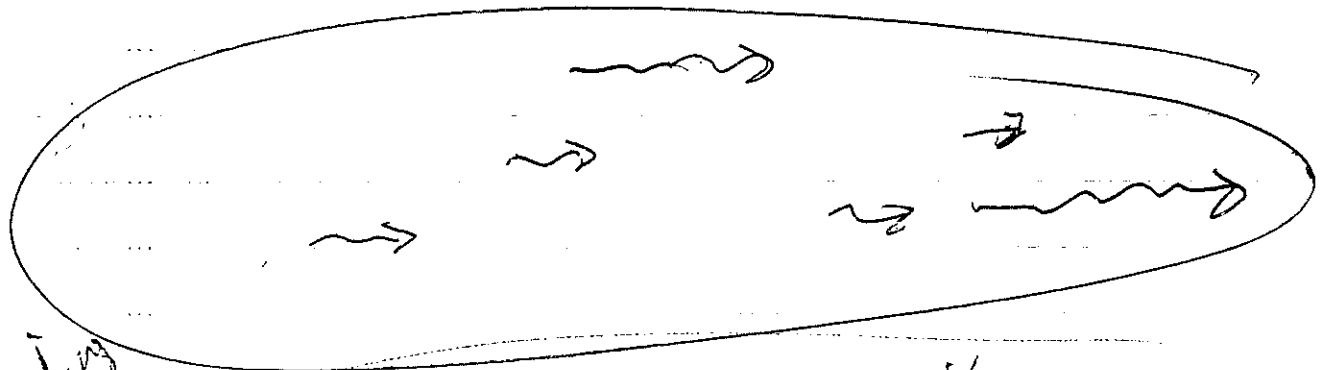
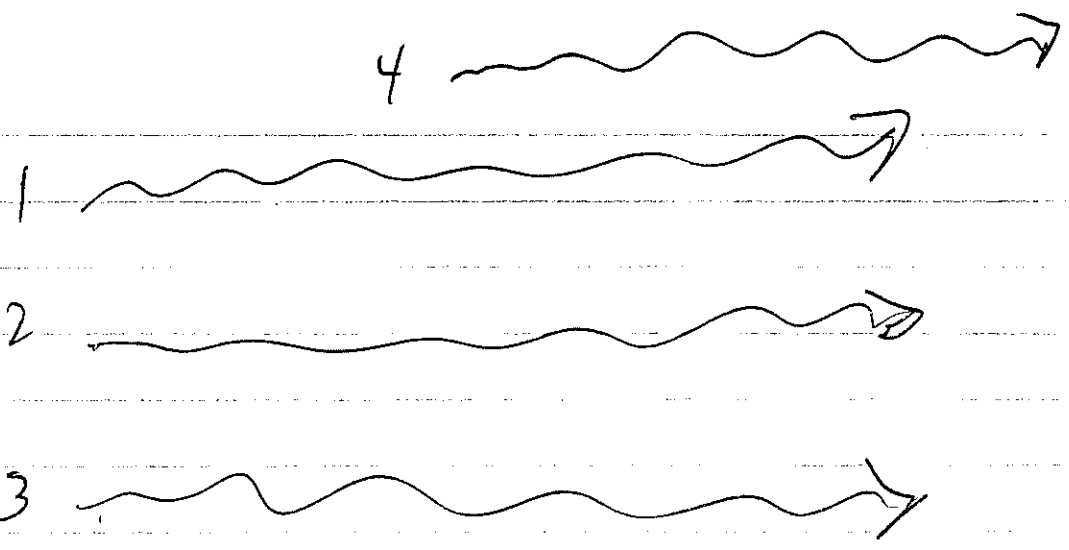
Case # 4



Context Setting & Synthesis
Adding three time

Case





Overriding
concern

Balance $\left\{ \begin{array}{l} \text{continuity} \\ \text{fresh ideas} \end{array} \right.$

Network - core ideas

Network Office -
Comperia

C. Increase experimental and comparative cross-site research.

PRIORITIES:

I. Assess character of current & past XSS, to emphasize "increase" at most productive level:

- Mean or extreme site #'s?
- Cost ($\$/\text{site}$)

II. NSF "Influence"

- Timing of XSS competition to follow All Sci. Mtngs.
- Continue "reward" for site participation in XSS.
- Supplements specifically designed for XSS.

Cross-Site Studies (XSS)

Initiated by:

1. Interested "leaders"
2. Funding
3. Existence of comparable data sets

Constrained by:

1. Not enough leaders
2. Limited funds
3. Data sets among sites inconsistent in content (missing) or not in same measurement units.

PRIORITIES:

III. Site Level

- a. Include XSS in proposal.
- b. Reward / condone research by site personnel for XSS.
- c. Promote "regionalization" of LTER site via XSS.
- d. Use standard methods or same measurement units across LTER sites.
- e. Develop "LEADERS" to take on XSS projects.

PRIORITIES:

IV. Network Level

- a. Agree on common measures (units) for comparison in XSS.
- b. Develop "Ctr. Expertise" w/in LTER Network for measures not taken at all appropriate sites, & coordinate sampling/analysis.
- c. Use CC Meeting to plan explicit XSS with "standard" experiments & measures.

Priorities:

IV. Network Office

- a. XS training workshops for consistent sampling, if "Ctr Expertise" model is developed.
- b. Provide personnel for XS data analysis (postdoc, staff?)
- c. Co-fund sabbaticals for XS analyses.
- d. Fund XS "calibration" studies to get various measures into comparable units for XS analyses