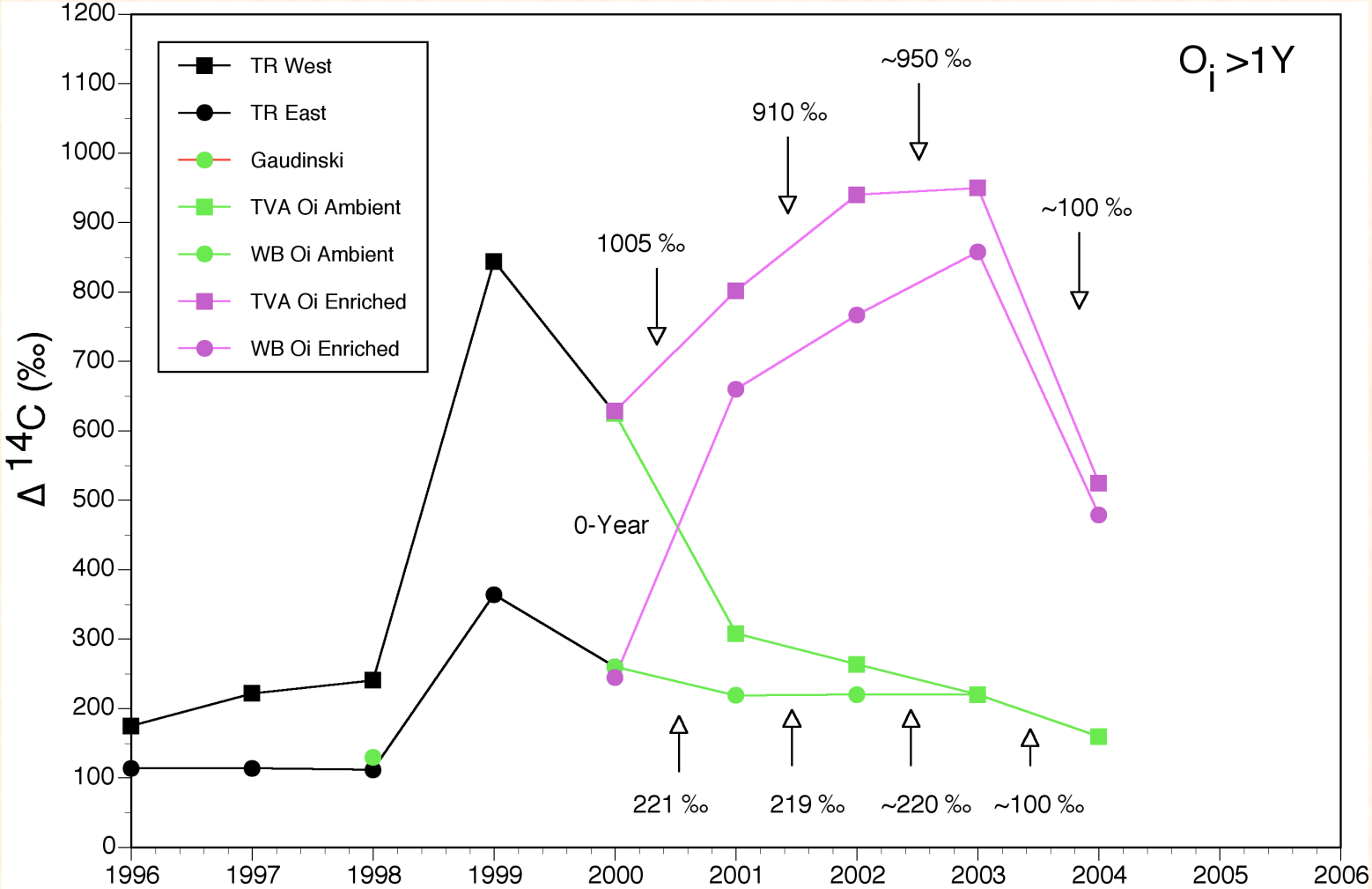
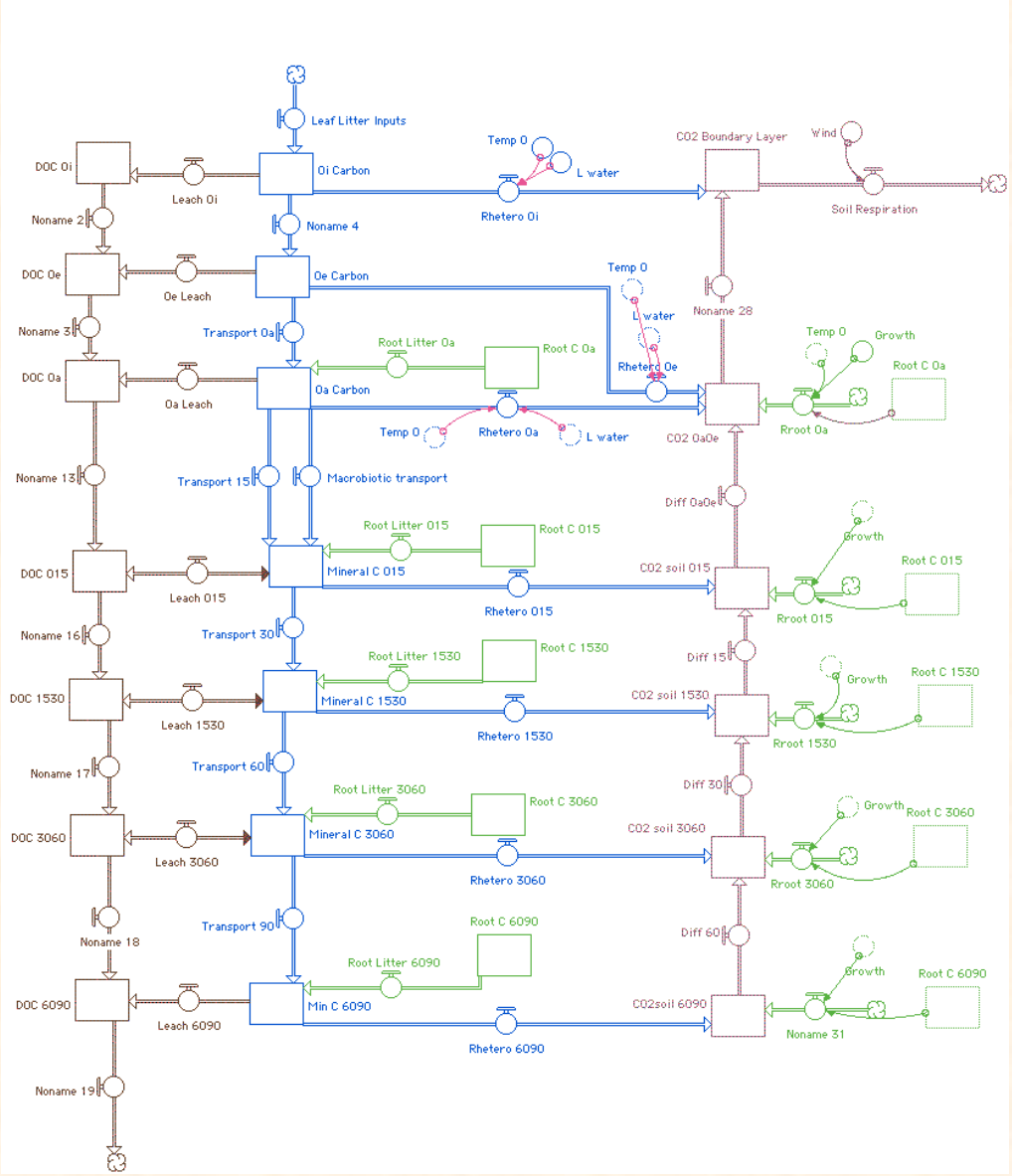
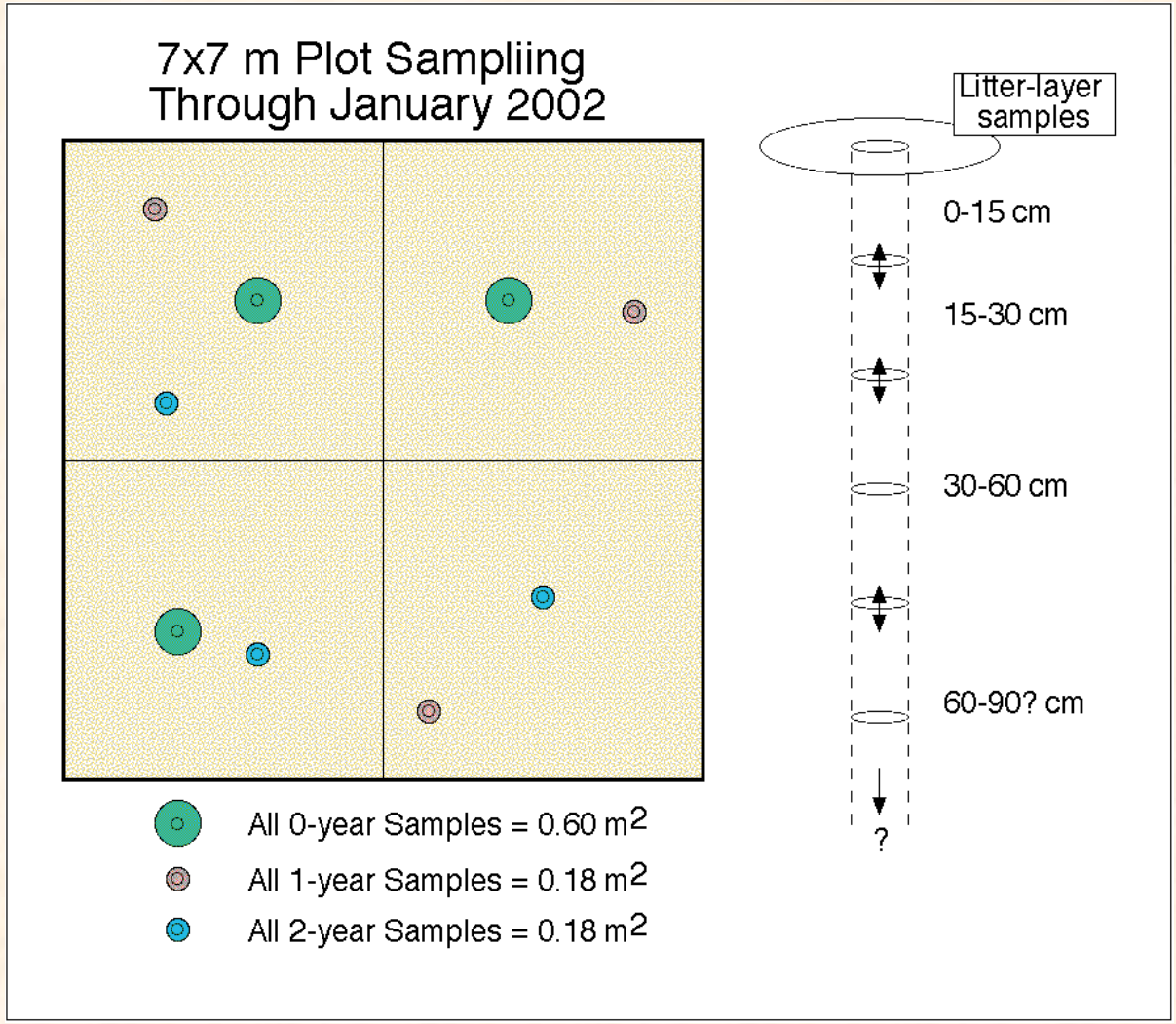
How long do we operate?




Leaf Litter Inputs
Oi Carbon
DOC Oi
Leach Oi
Noname 2
Noname 4
Temp 0
L water
Rhetero Oi
CO2 Boundary Layer
Wind
Soil Respiration
Oe Carbon
DOC Oe
Oe Leach
Noname 3
Noname 28
Transport Oa
Root Litter Oa
Root C Oa
Rhetero Oe
Growth
Oa Carbon
DOC Oa
Oa Leach
Rhetero Oa
CO2 OaOe
Rroot Oa
Noname 13
Transport 15
Macrobiotic transport
Diff OaOe
Root Litter 015
Root C 015
Mineral C 015
DOC 015
Leach 015
CO2 soil 015
Rhetero 015
Rroot 015
Noname 16
Transport 30
Diff 15
Root Litter 1530
Root C 1530
Mineral C 1530
DOC 1530
Leach 1530
CO2 soil 1530
Rhetero 1530
Rroot 1530
Noname 17
Transport 60
Diff 30
Root Litter 3060
Root C 3060
Mineral C 3060
DOC 3060
Leach 3060
CO2 soil 3060
Rhetero 3060
Rroot 3060
Noname 18
Transport 90
Diff 60
Root C 6090
Root Litter 6090
Min C 6090
DOC 6090
Leach 6090
CO2soil 6090
Rhetero 6090
Noname 31
Noname 19



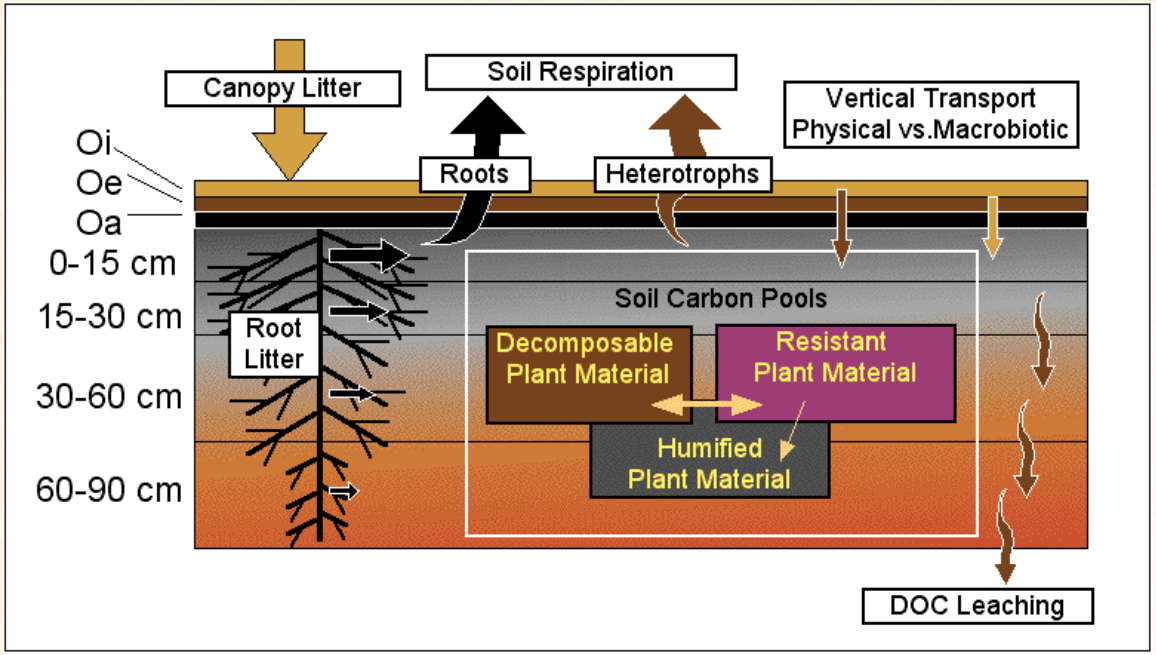
O_e horizon is minimal

0-15 cm is >A horizon

Depth of B horizon is highly variable

- **Sampling the 7x7 m plots will consume the study area. When?**
- **Mineral soil sampling depths are approximate ±2 cm.**

Issues to be Addressed



- Partitioning of soil respiration between autotrophic and heterotrophic sources
- Partitioning of heterotrophic soil respiration between above-ground and below-ground decomposition sources
- Quantifying pathways from carbon sources to stable forms in soils (litter vs. root sources)
- Quantifying the role of dissolved organic carbon in vertical transport
- Evaluating the longevity and turnover time of fine roots

Business Items

- Sample submissions to CAMS
  - Plan ahead
  - Don't get too far behind
- Workshop report to Roger Dahlman
- FY2004 Budgets
  - ANL, LLNL, LBNL, ORNL (FY2005?)
  - UC-Irvine FY2004 follow up
- Publications