
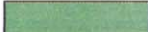




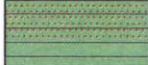


# "SUMMER" (MELT SEASON) LAYER

## Sediment/Layer Types








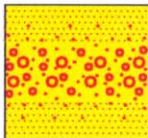
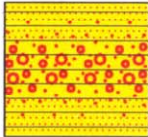
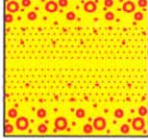
## Bedding Arrangements

### Silty clay/clayey silt

- 10  Thin (<3 mm)
- 11  Massive
- 12  Bedding defined, non-gradational
- 13  Normal graded, single bed
- 14  Normal graded, bed stack
- 15  Reverse graded, single bed
- 16  Reverse graded, bed stack




Gradational

### Silt/fine sand


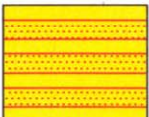




- 20  Thin (<3 mm)
- 21  Massive
- 22  Bedding defined, non-gradational
- 23  Normal graded, single bed
- 24  Normal graded, bed stack
- 25  Reverse graded, single bed
- 26  Reverse graded, bed stack
- 27  Reverse then normal graded, single bed
- 28  Reverse then normal graded, bed stack
- 29  Normal then reverse graded, single or stacked beds

Gradational



### Prominent Fine Layers

- 32  top
- 31  middle
- 30  bottom

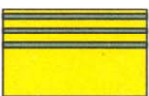
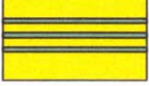

### Prominent Coarse Layers

- 39  top
- 38  3 or more middle
- 37  2 middle
- 36  1 middle
- 35  bottom
- 34  none

### Waxing/Waning Structure




- 44  >50%
- 43  15-50%

### Rhythmic (diurnal?) Layers




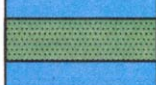
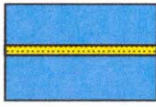


- 42  top
- 41  middle
- 40  bottom

# "WINTER" (NON-MELT SEASON) LAYER



## Layer Types





- 50  Thin (<3 mm) or Parting
- 51  Non-gradational with summer
- 52  Gradational with summer

## Variations

- 53  dark/light gray/red
  - 54  light/dark red/gray
  - 55  Silty
  - 56  Silty zone
  - 57  1 prtgs
  - 58  2, 2+ prtgs
  - 59  Rhythmic (diurnal?) layers, bottom
- 2 tone
- fine sand/silt partings





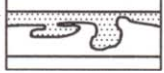

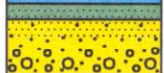



## MEASUREMENT NOTES

- 90 1/1 ? Could be 2?
  - 91 +↑? 1 w above?
  - 92 +↓? 1 w below?
  - 93  Crack in core
  - 94  Fault in core
- Measurement Uncertainties




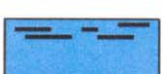
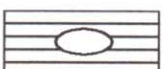

- 95  Accurate thickness varve warped, coring deformation
- 96  Inaccurate thickness varve badly folded, coring deformation
- 97  Core join in varve
- 98  Core thickness not a varve
- 99 Other

# SPECIAL FEATURES




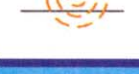






## Clastic Features

- 60  Scour Depressions
- 61  Scour Depressions
- 62  Scour surface on winter layer
- 63  Contorted beds, mass movement layer
- 64  Load/water escape
- 65  Breccia
- 66  Large graded fs to clay ("false varve")
- 67  Crossbeds Ripples
- 68  m-c sand gravel
- 69  Diamicton layer

## Ice-Rafted Debris

- 70  Summer rafted >50%
- 71  Debris mostly in summer
- 72  Debris dispersed in summer and winter
- 73  Debris mostly in winter, top of summer
- 74  Debris concentration in top of winter
- 75  Isolated drop clast

## Chemical/Organic Features

- 80  Carbonate concretion
- 81  Oxide or oxidized beds
- 82  Oxide concretions
- 83  Oxide banding
- 84  Dark org/oxide cap on clay
- 85  Organic-rich sediment
- 86  Plant fossil(s)
- 87  Bioturbation
- 88  Shell fossil or debris
- 89  Fossil fish material

Version: August 1, 2008