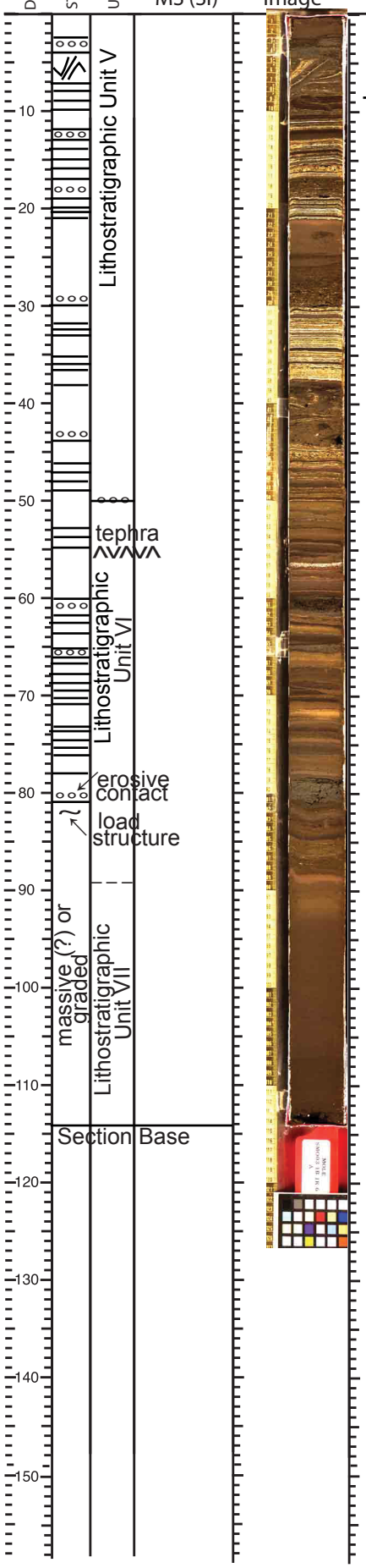
INITIAL CORE DESCRIPTION

LAKE SANTA MARIA DEL ORO
CORE ID MOLE-SMO03-1B-1K-6
SECTION LENGTH (cm) 114.4 cm
SED. LENGTH (cm) 114.2 cm
mblf top 7.282 cm
mblf bot 737.7 cm



LITHOLOGIC DESCRIPTION

UNIT V
(Continued from previous section)

FOLD

2 mm - Basal Gap

Section from 4-10 is disturbed, with a small fault (thrust?) offsetting laminae between 4 and 8 cm and a tight recumbant fold with axis at 9 cm doubling up laminae between 8 and 10 cm.

Bundled aragonitic laminae punctuated by 3-10 cm graded beds (turbidite?) continue to 50 cm. Graded (?) interval from 38-44.5 cm contains distorted (interclastic?) aragonite laminae.

white lam ss

UNIT VI

50 cm
(Gradational) marks the (downward) end of white aragonitic laminae. Cm-scale banding and occassional fine reddish-brown (clay) laminae continue downward. 1-2 cm scale medium-fine sand layers (basal load features) punctuate clay/ooze banding in Unit 6. ss

56.5-57 cm
Thin tephra consists of fine (≤ 1 mm) purnice lapilli grading upward to fine glassy silt.

UNIT VII

Top is marked by transition to massive (?) or thick graded (more likely) dark reddish brown silt. Color same as graded silt facies in other units. No internal structure. This is probably the finer upward sequences of a turbidite 50 cm thick or more (smear slide interpritation supports this concept). ss

10YR3/1

Smear slides: 37.6, 63.2 and 101 cm