EXPLANATION:

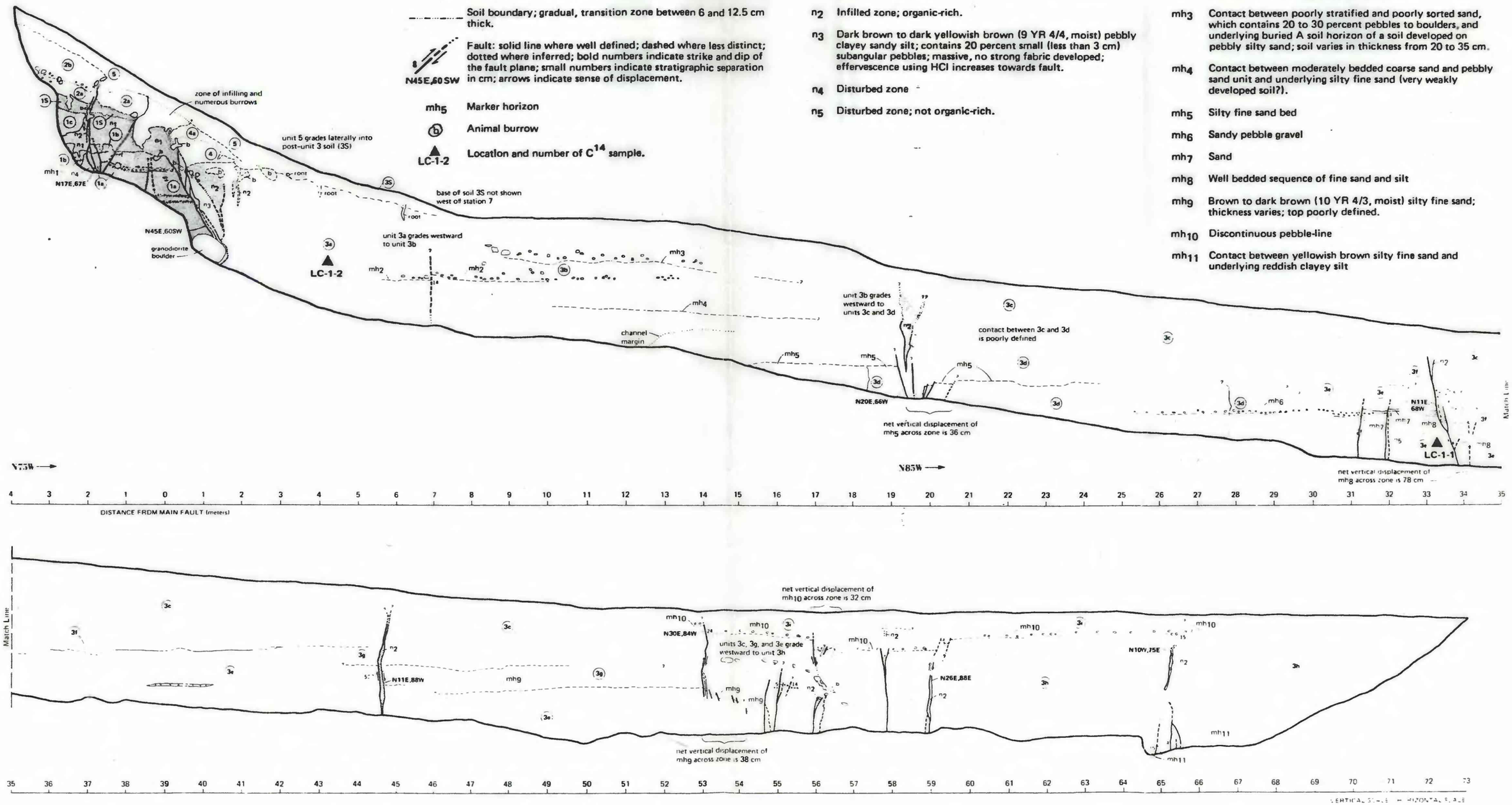
- Lithologic contacts; dashed where less distinct; dotted where approximate or gradational.
- Soil boundary; clear, transition zone between 2.5 and 6 cm thick.
- Soil boundary; gradual, transition zone between 6 and 12.5 cm thick.
- Fault: solid line where well defined; dashed where less distinct; dotted where inferred; bold numbers indicate strike and dip of the fault plane; small numbers indicate stratigraphic separation in cm; arrows indicate sense of displacement. (N45E,60SW)
- mh_5 Marker horizon
- (b) Animal burrow
- LC-1-2 Location and number of C^{14} sample.

NOTES:

- n_1 Disturbed zone; fine sandy silt to silty sand; contains small (generally less than 1 cm, some up to 7 cm) randomly oriented fragments of laminated lake sediments (unit 1); calcareous, grades into soil 1S.
- n_2 Infilled zone; organic-rich.
- n_3 Dark brown to dark yellowish brown (9 YR 4/4, moist) pebbly clayey sandy silt; contains 20 percent small (less than 3 cm) subangular pebbles; massive, no strong fabric developed; effervescence using HCl increases towards fault.
- n_4 Disturbed zone
- n_5 Disturbed zone; not organic-rich.

MARKER HORIZONS:

- mh_1 Fine sandy silt; well stratified; iron-oxide stained; 5 cm thick.
- mh_2 Contact between pebble to cobble gravelly sand and sandy gravel, and underlying massive fine sandy silt.
- mh_3 Contact between poorly stratified and poorly sorted sand, which contains 20 to 30 percent pebbles to boulders, and underlying buried A soil horizon of a soil developed on pebbly silty sand; soil varies in thickness from 20 to 35 cm.
- mh_4 Contact between moderately bedded coarse sand and pebbly sand unit and underlying silty fine sand (very weakly developed soil?).
- mh_5 Silty fine sand bed
- mh_6 Sandy pebble gravel
- mh_7 Sand
- mh_8 Well bedded sequence of fine sand and silt
- mh_9 Brown to dark brown (10 YR 4/3, moist) silty fine sand; thickness varies; top poorly defined.
- mh_{10} Discontinuous pebble-line
- mh_{11} Contact between yellowish brown silty fine sand and underlying reddish clayey silt



Project No. 14093B	USGS Contract No. 14-08-0001-16827	LOG OF TRENCH LC-1 Little Cottonwood Canyon Site	Figure-7b
Woodward-Clyde Consultants			