

Geological Society of America Special Paper 404

Perspectives on karst geomorphology, hydrology, and geochemistry—A tribute volume to Derek C. Ford and William B. White

Edited by Russell S. Harmon and Carol M. Wicks

Figure A1. (A) Kitum Cave plan; [http://dx.doi.org/10.1130/2006.2404\(06\).FA1A](http://dx.doi.org/10.1130/2006.2404(06).FA1A).

From Chapter 6, "Speleogenesis of the Mount Elgon elephant caves, Kenya," by Joyce Lundberg and Donald A. McFarlane

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Kitum Cave plan

KITUM CAVE
Mt. Elgon National Park, Kenya

UTM: 36 113653N, 6952270E
Altitude 2409 m

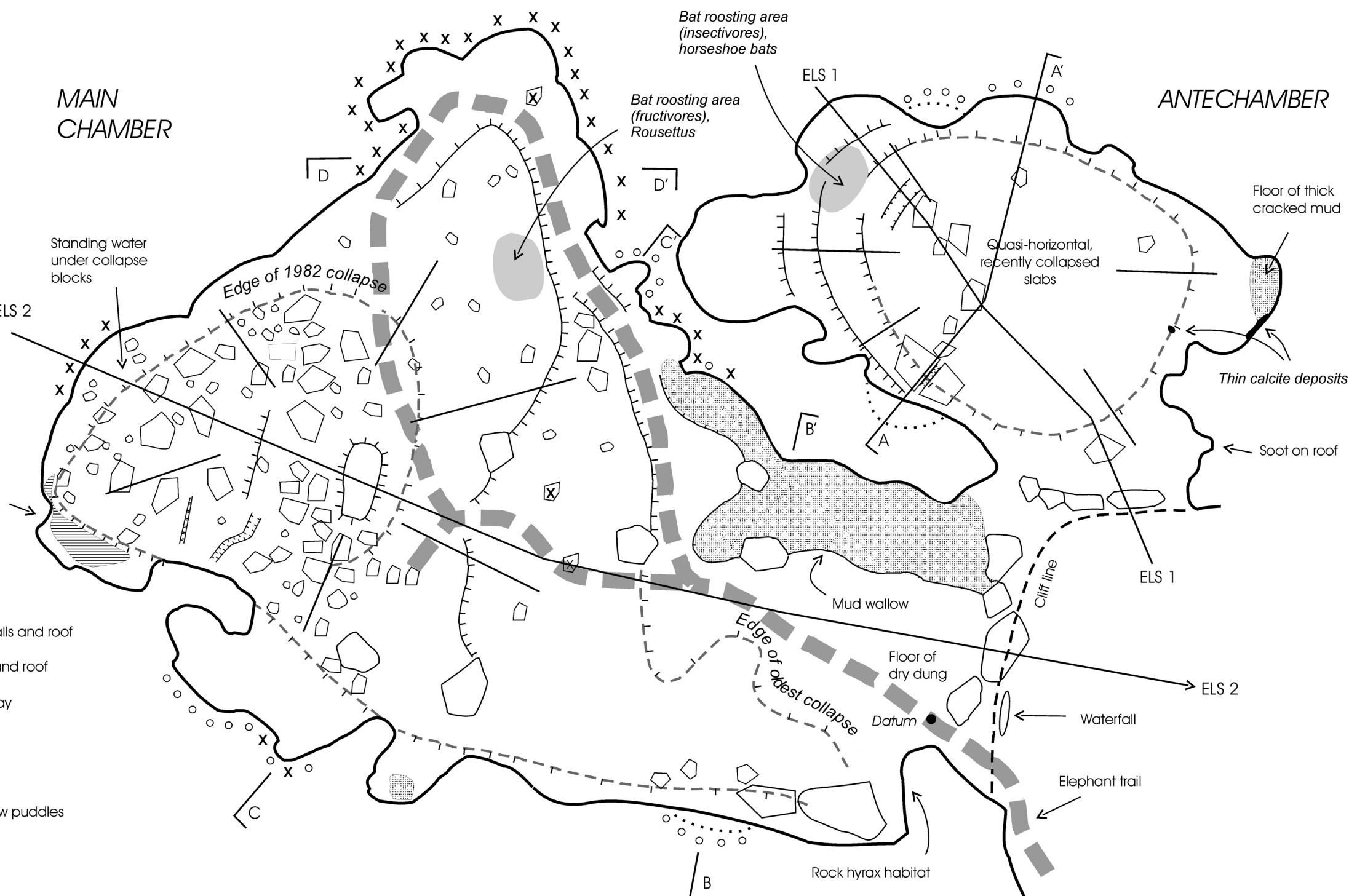
Survey by D. McFarlane and J. Lundberg, June 2003
BCRA Grade 5; Loop closure error 1.21%,
Magnetic declination 0° 42' E
Drawn by J. Lundberg

N

10 m

Legend for plan

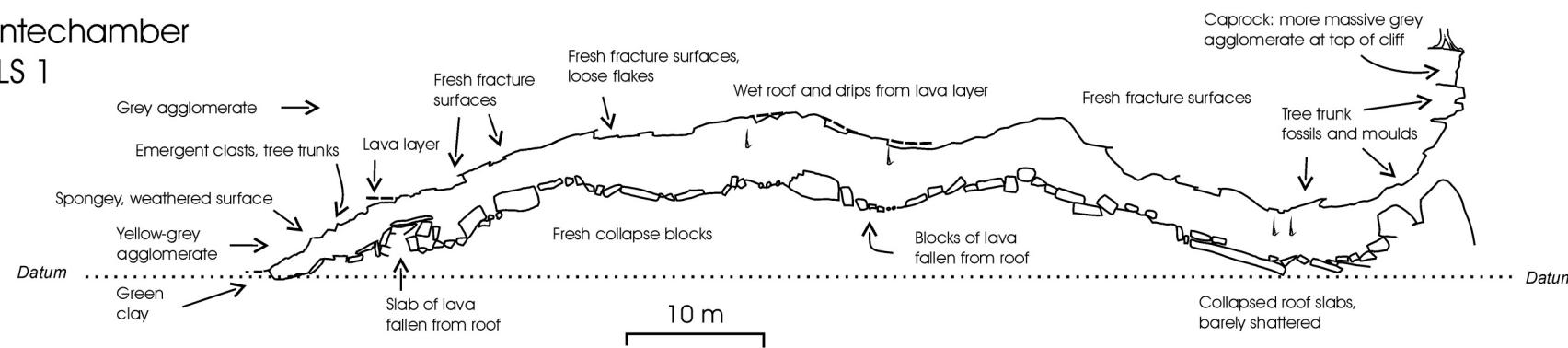
—	Major step
- - -	Minor step
.....	Undercut
◇	Collapse slabs on floor
—	Cross sections
ELS	Extended long section
●	Datum level for sections (flat dirt floor inside main entrance)
○ ○ ○	Pick marks on walls and roof
X X	Tusking on wall and roof
■ ■	Elephant pathway
●	Calcite deposit
▨	Standing water
▨▨▨	Wet mud, shallow puddles



Kitum Cave extended long sections

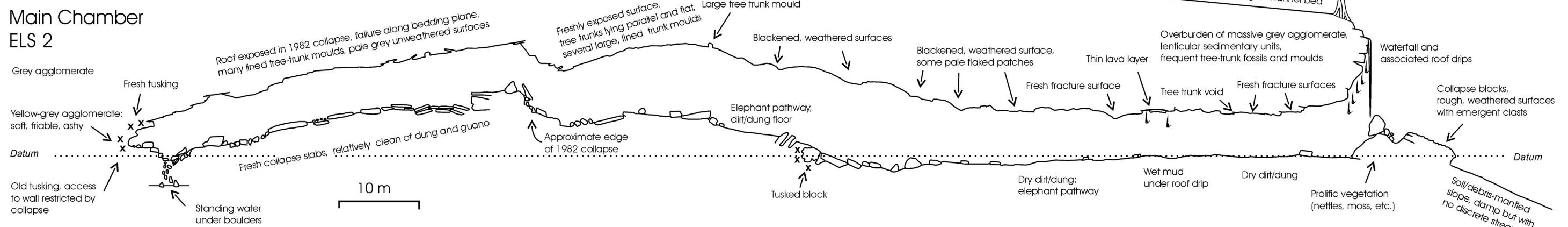
Antechamber

ELS 1



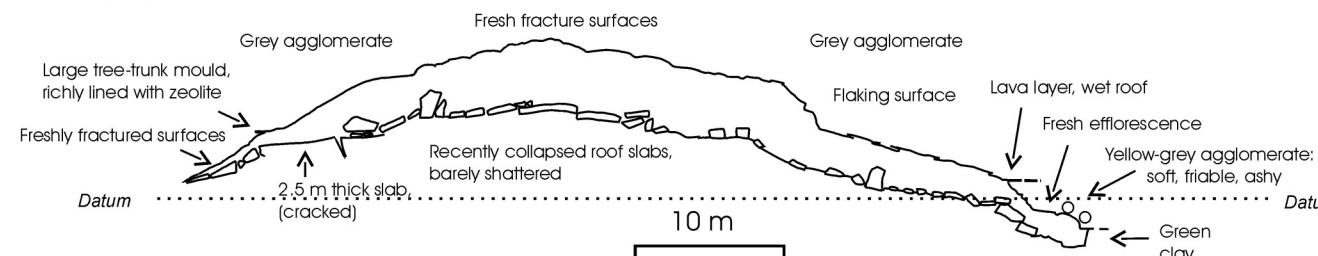
Main Chamber

ELS 2

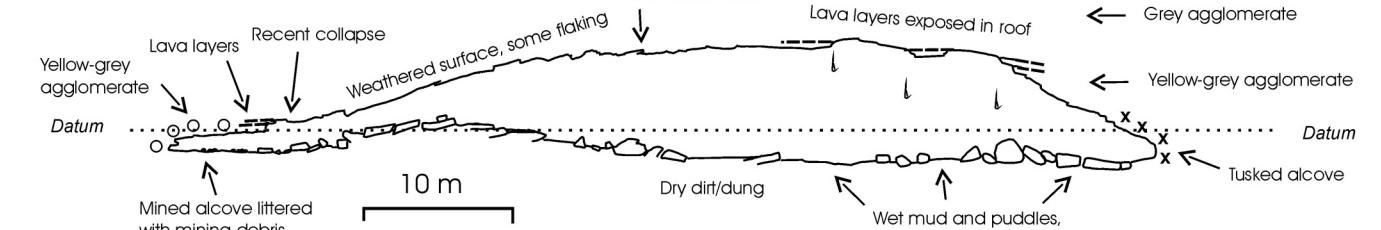


Kitum Cave cross sections

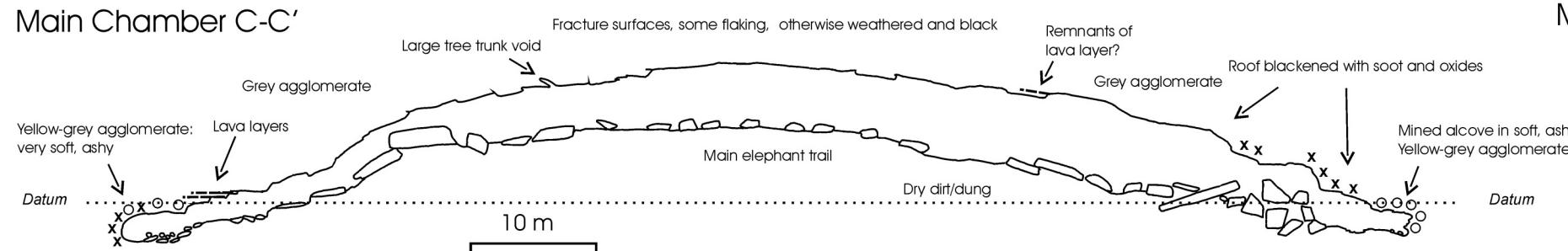
Antechamber A-A'



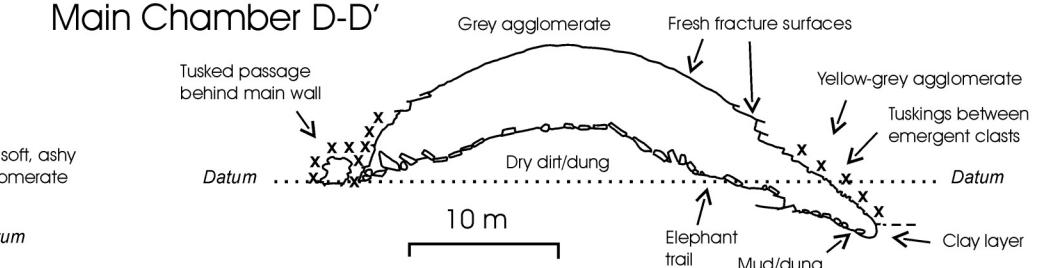
Main Chamber B-B'



Main Chamber C-C'

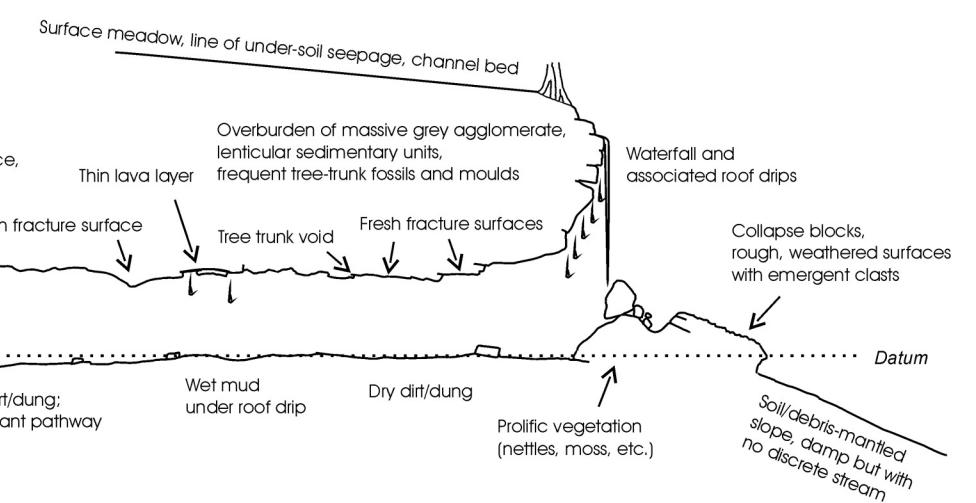


Main Chamber D-D'

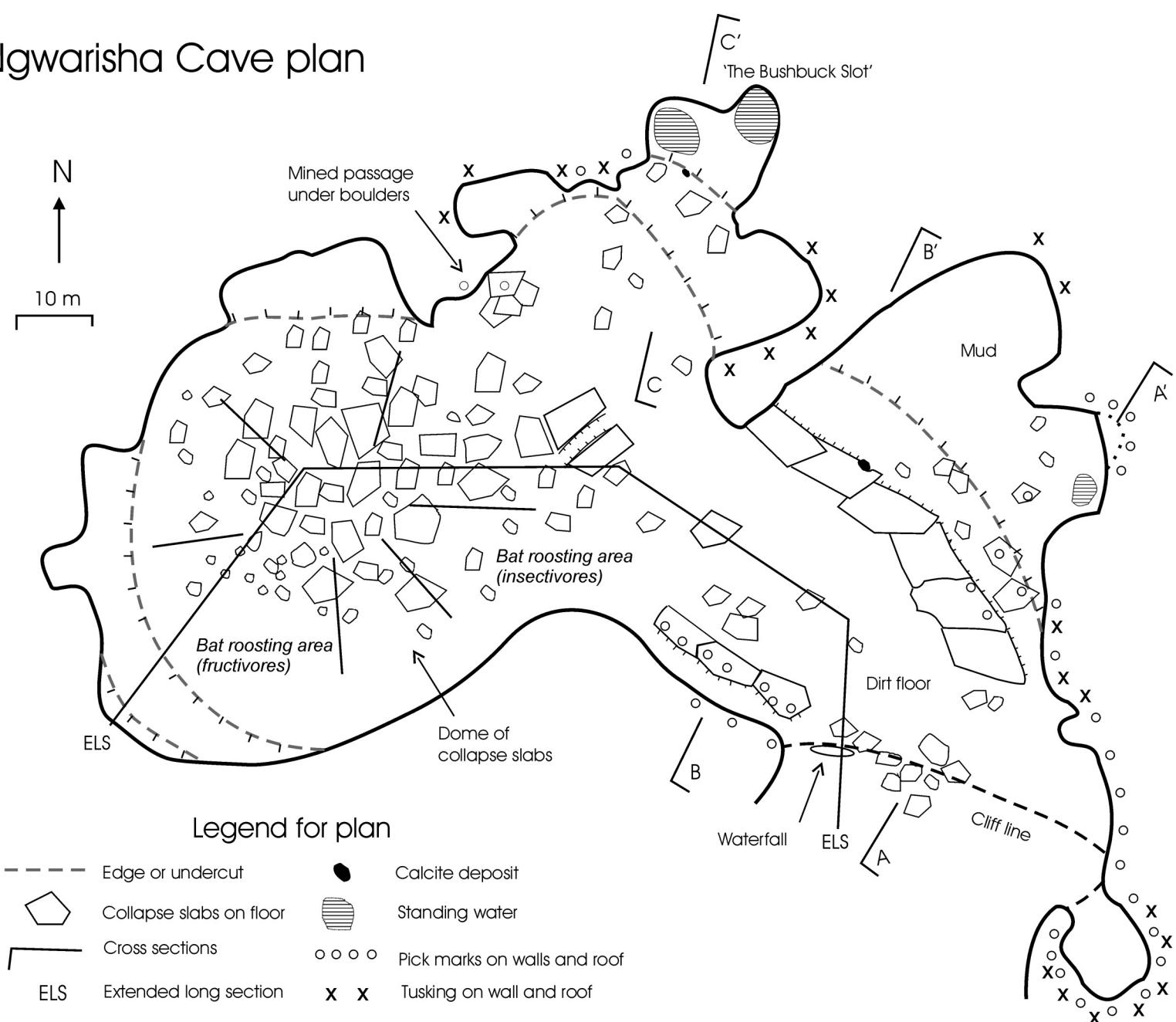


Legend for sections

	Roof drip
	Tusking
	Pick marks
	Separation between geological units
	Thin lava layer, dark brown



Ngwarisha Cave plan

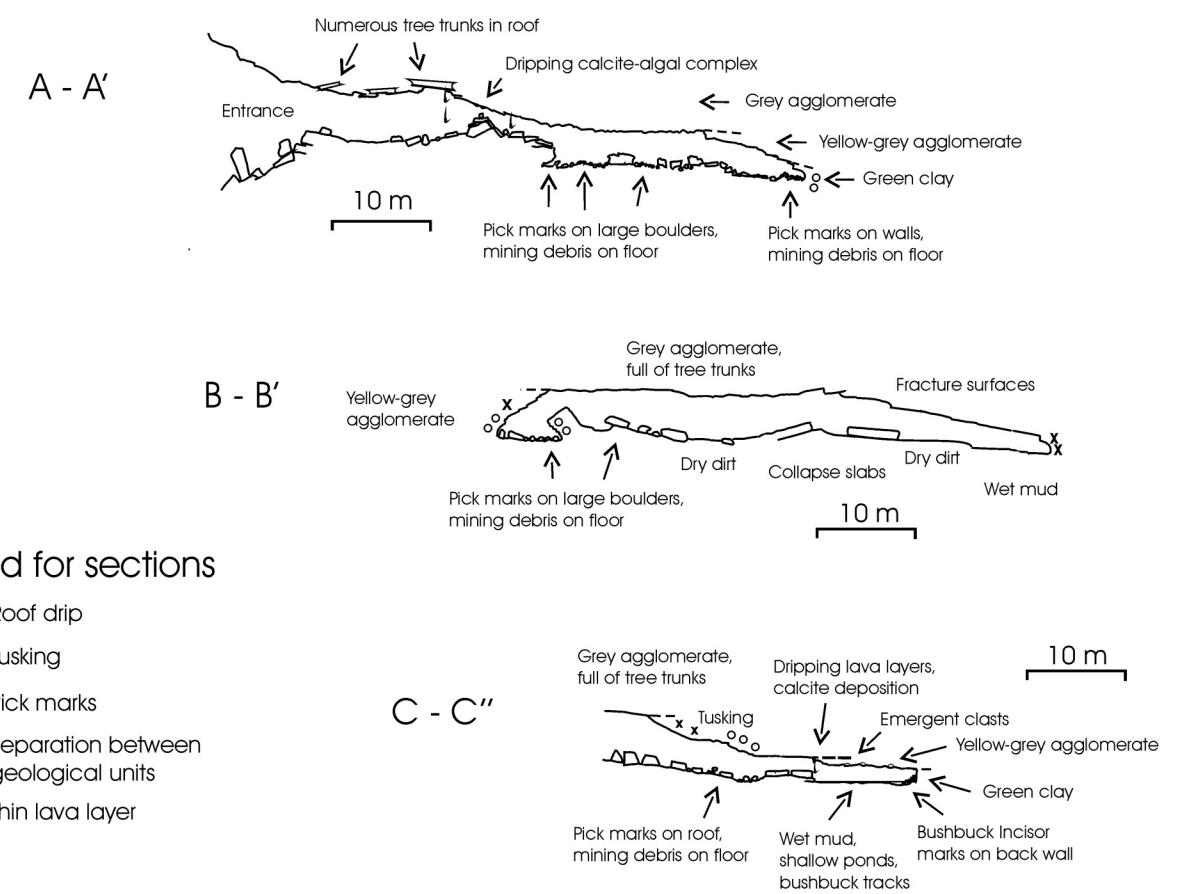


NGWARISHA CAVE
Mt. Elgon National Park, Kenya

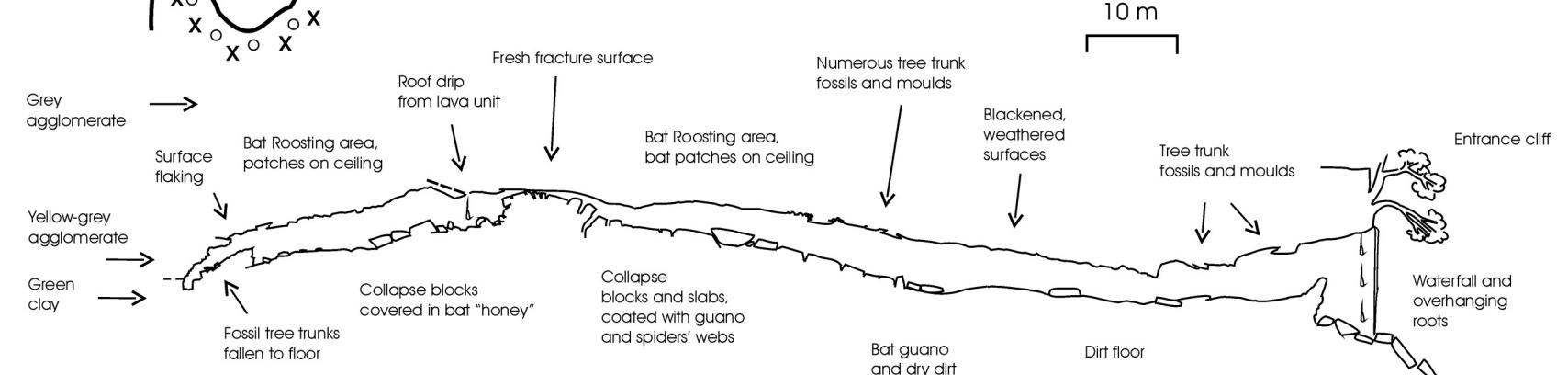
UTM: 36 116400N, 694540E
Altitude 2500 m

Survey by D. McFarlane and J. Lundberg, June 2003
BCRA Grade 5; Loop closure error 1.21%,
Magnetic declination 0° 42' E
Drawn by J. Lundberg

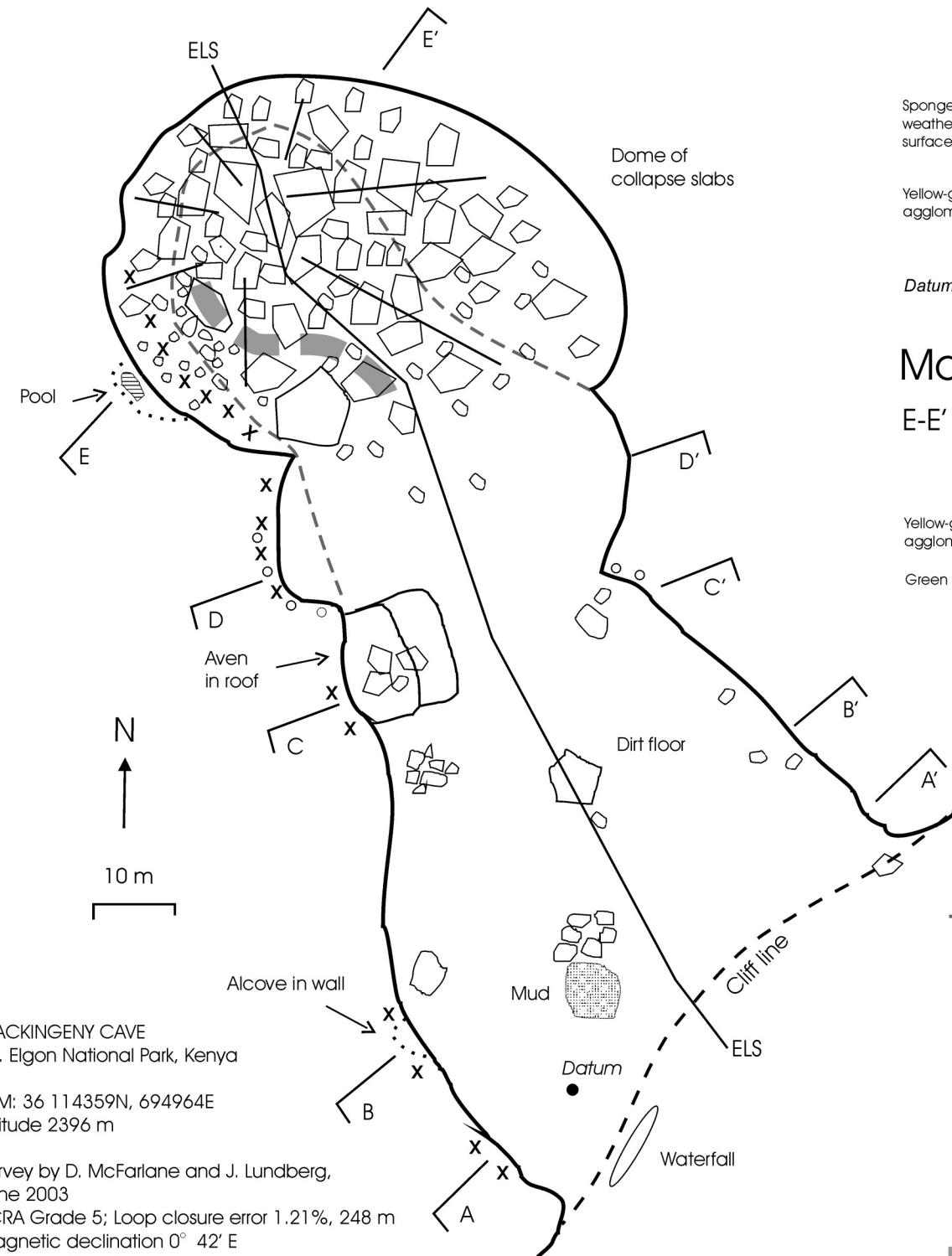
Ngwarisha Cave: Cross sections



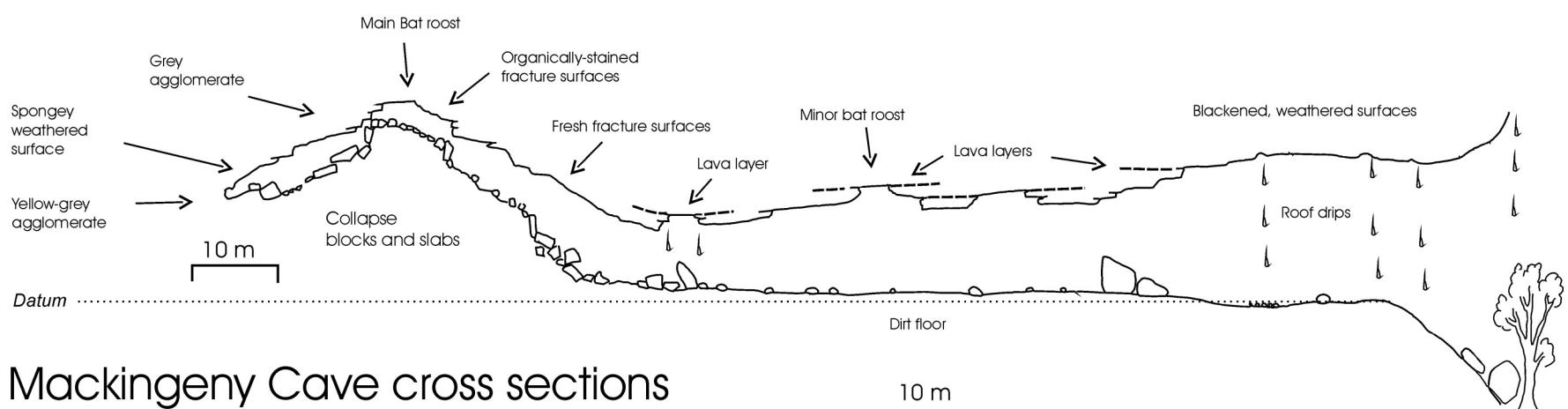
Ngwarisha Cave: extended long section



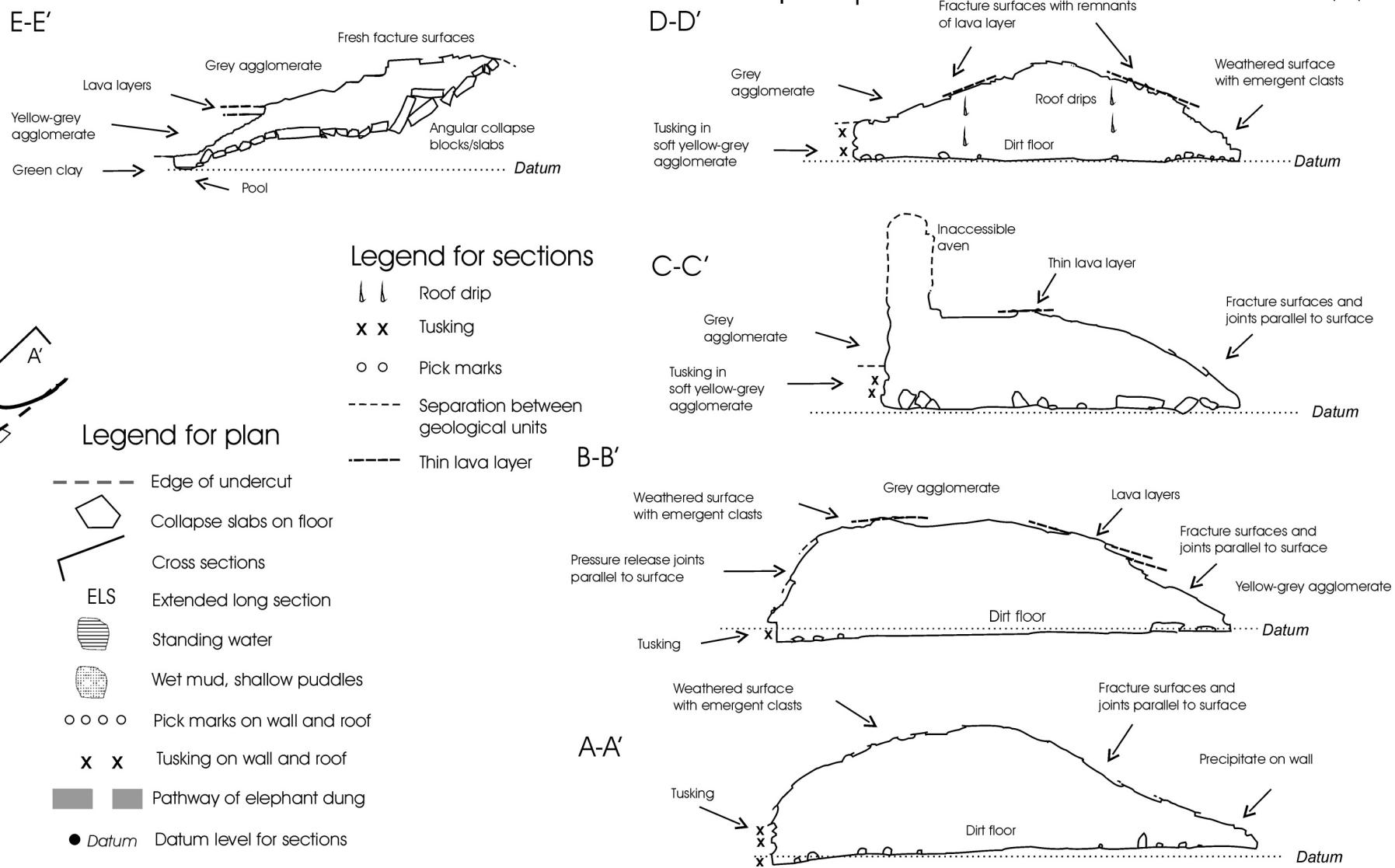
Mackingeny Cave plan



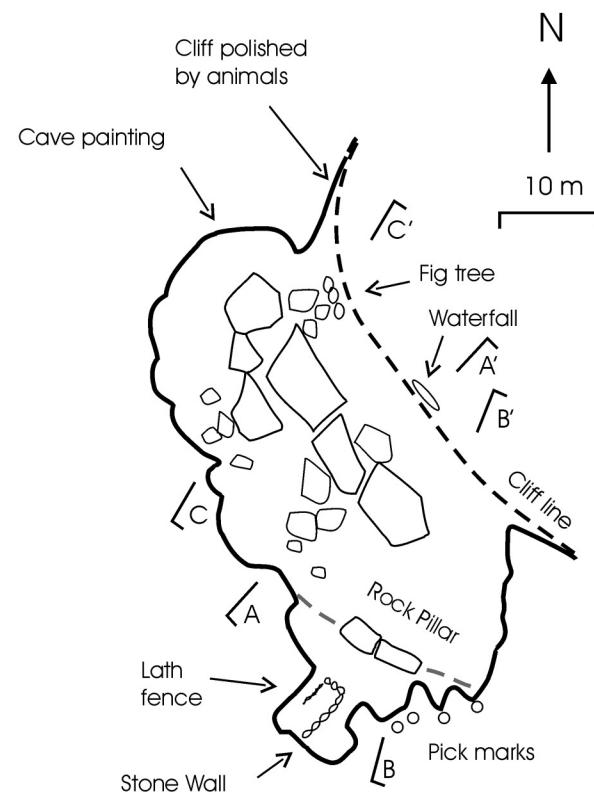
Mackingeny Cave: extended long section



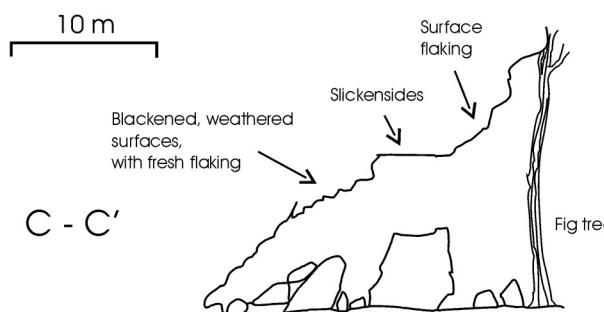
Mackingeny Cave cross sections



Chepnyalil Cave plan



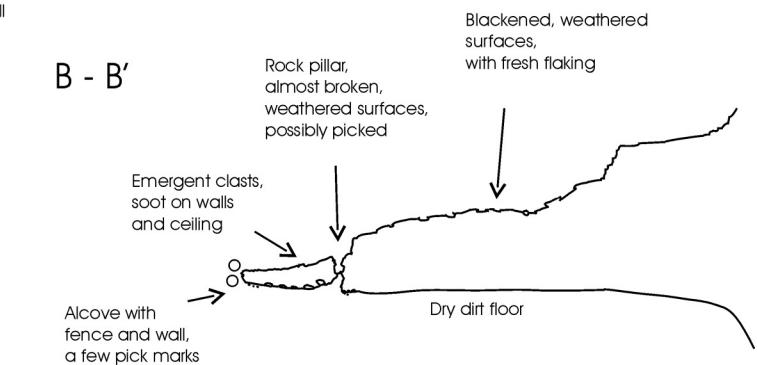
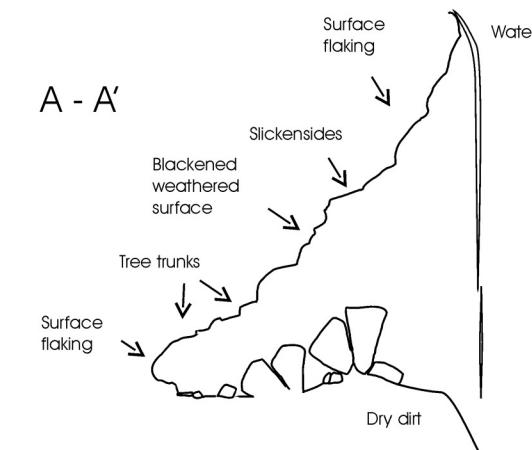
Chepnyalil Cave: Cross sections



CHEPNYALIL CAVE
Mt. Elgon National Park, Kenya

UTM: 36 117296N, 695663E
Altitude 2419 m

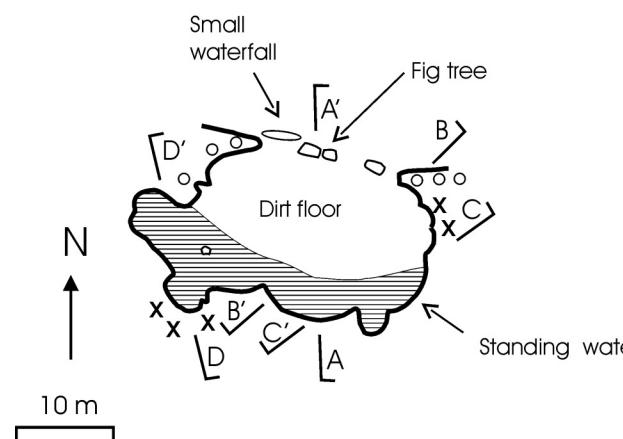
Survey by D. McFarlane and J. Lundberg, June 2003
BCRA Grade 5; Loop closure error 1.21%,
Magnetic declination 0° 42' E
Drawn by J. Lundberg



Legend for plan

- - - Edge of undercut
- ○ ○ ○ Collapse slabs on floor
- Cross sections
- ELS Extended long section
- ▨ Standing water
- ▨▨▨▨ Wet mud, shallow puddles
- ○ ○ ○ Pick marks on wall and roof
- × × Tusking on wall and roof

Kiptoro Cave plan



KIPTORO CAVE
Mt. Elgon National Park, Kenya

UTM: 36 118610N, 694951E
Altitude 2419 m

Survey by D. McFarlane and J. Lundberg, June 2003
BCRA Grade 5; Loop closure error 1.21%,
Magnetic declination 0° 42' E
Drawn by J. Lundberg

Kiptoro Cave: Cross sections

