

Appendix C

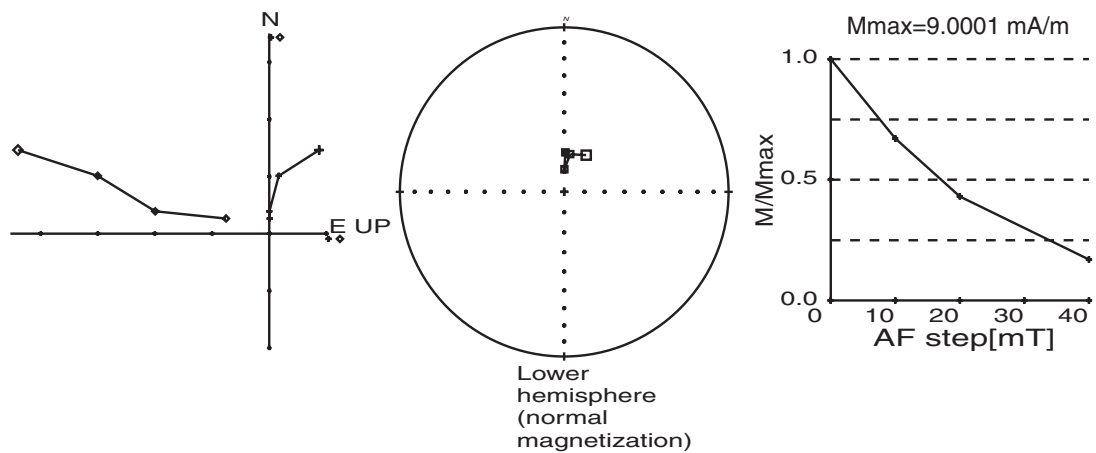
Paleomagnetic measurements on till and interstratified sediment carried out by R.W. Barendregt and J. Baker (Commentary by R.J. Enkin, E.R. Leboe, and L.E. Jackson, Jr.)

This appendix presents representative demagnetization plots of samples from sections C9 (Fig. C-1) and O2 (Fig. C-2-a and -b). Oriented samples were stepwise demagnetized in alternating fields (AF) with peak fields given in mT (milli Teslas) and then measured in a spinner magnetometer. At each step, the least stable magnetic particles were demagnetized, leaving the more stable magnetized carriers. Orthogonal plots (left column) show horizontal and vertical projections. The linear segments roughly directed towards the origin indicate that these samples contain only one component, other than a very soft (<10 mT) laboratory induced component. Stereographic projections (centre column) show that this direction is steep down and usually north

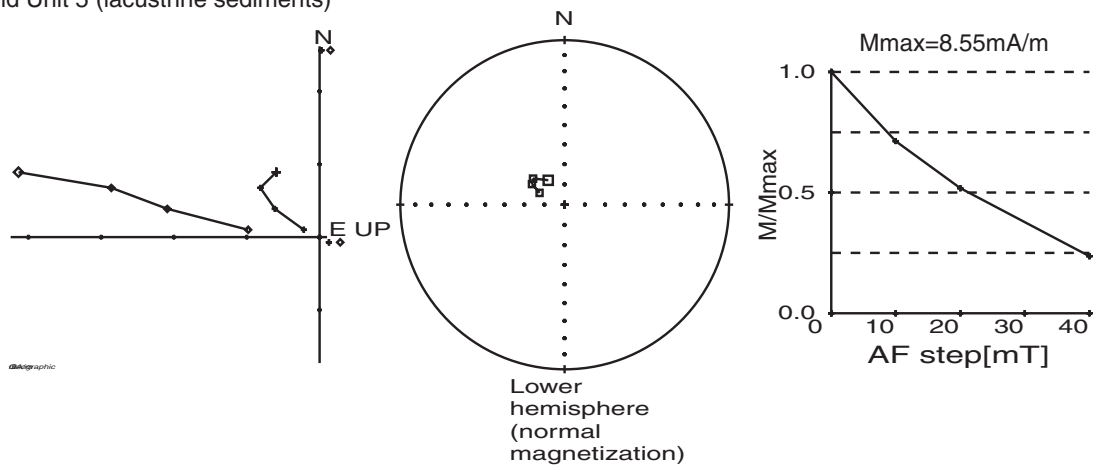
with no great evolution towards any other direction. The intensity plots (right column) show median destructive fields of about 20 mT, suggesting that multi-domain magnetite is the dominant magnetic carrier.

Figure C-3 contains summary stereographic projections of geographic directions of stable magnetic fields in all samples measured. At section C9, samples were taken from units 3, 5 and 6. At section O2, samples were taken from units 3 and 6. The results are consistent with deposition of these sediments during the present (Brunhes Chron) period of normal magnetization. The relatively large scatter is typical of unconsolidated sediments.

LBL136A Unit 5 (lacustrine sediments)



LBL128A Gradational contact between Unit 3 (montane till) and Unit 5 (lacustrine sediments)



LBL128A Gradational contact between Unit 3 (montane till) and Unit 5 (lacustrine sediments)

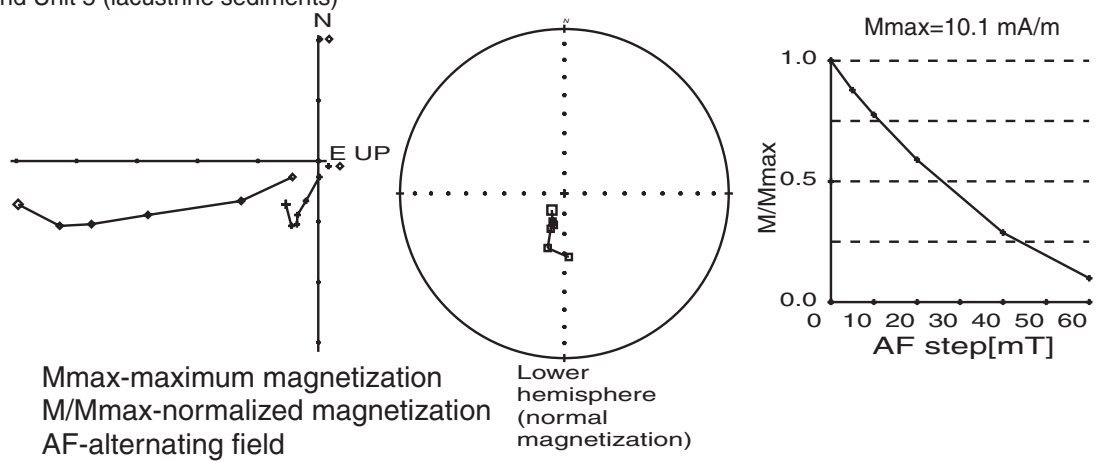


Figure C-1. Section C9 demagnetization plots

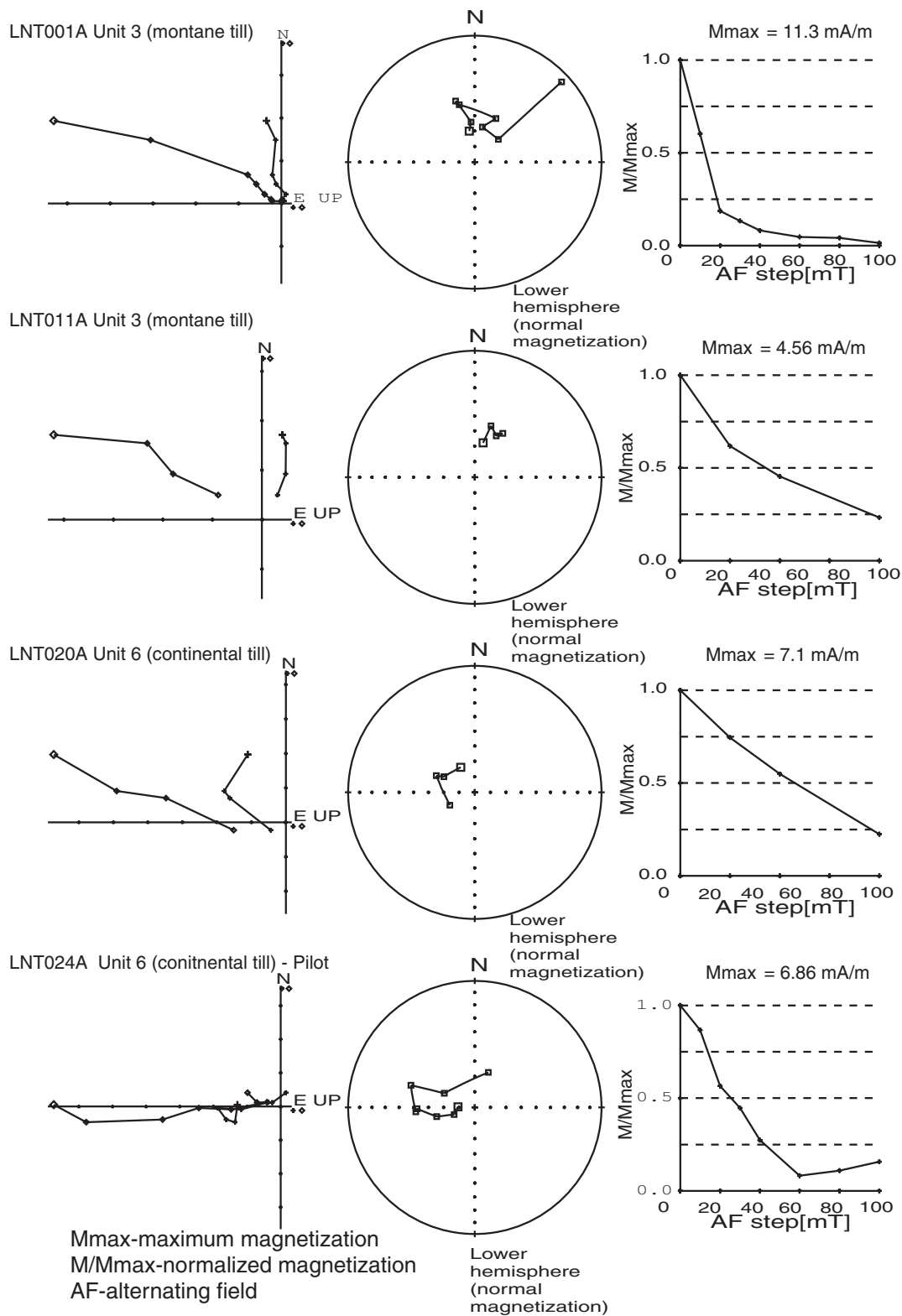


Figure C-2-a. Section O2 demagnetization plots

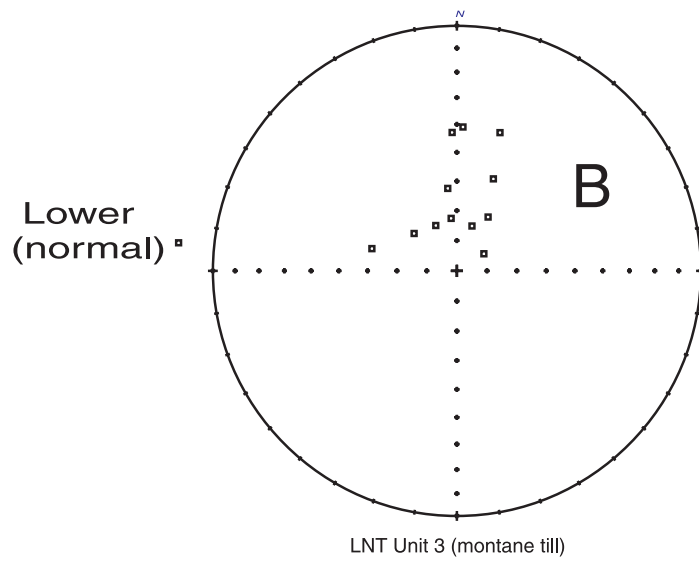
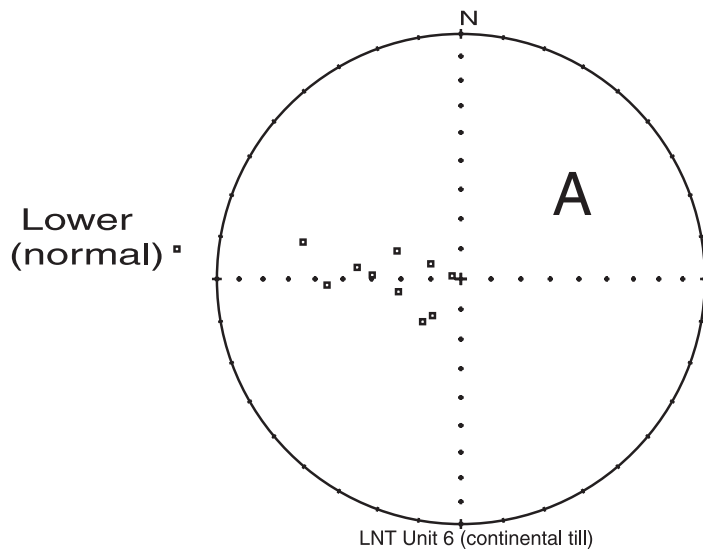
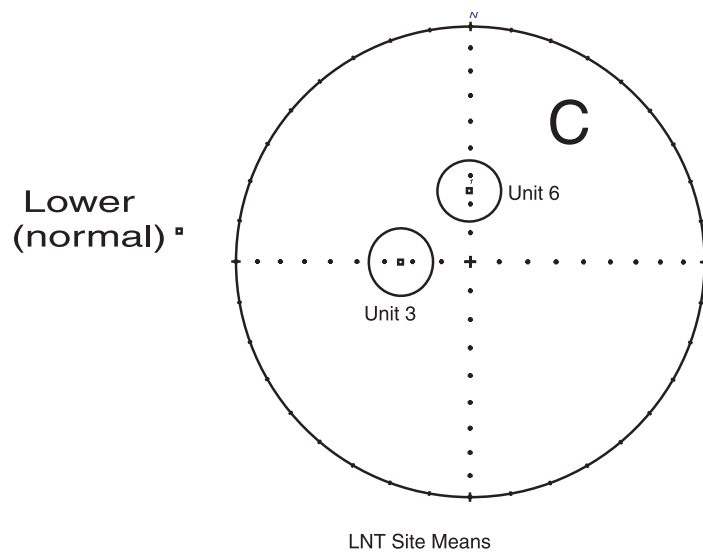


Figure C-2-b. Section O2 geographic co-ordinates



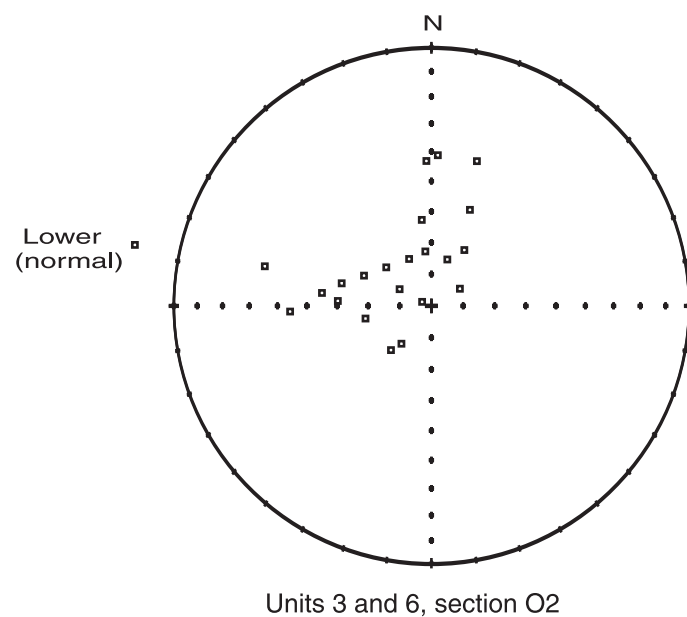
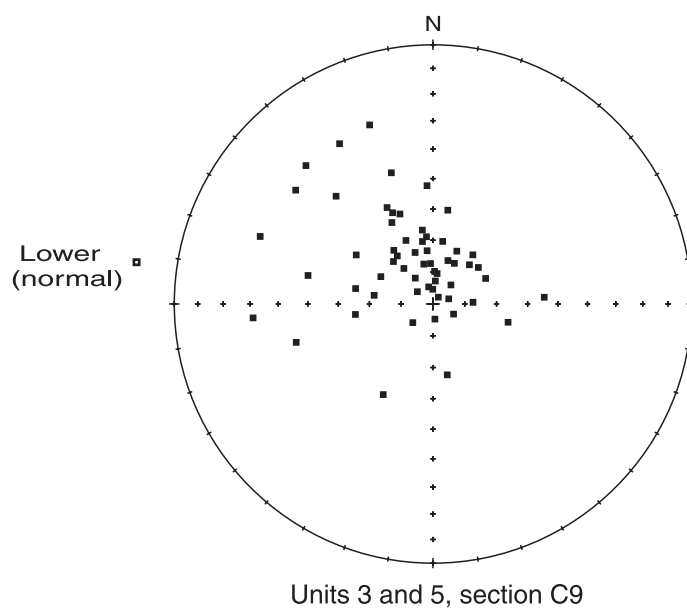


Figure C-3. Geographic co-ordinates, sections C9 and O2