

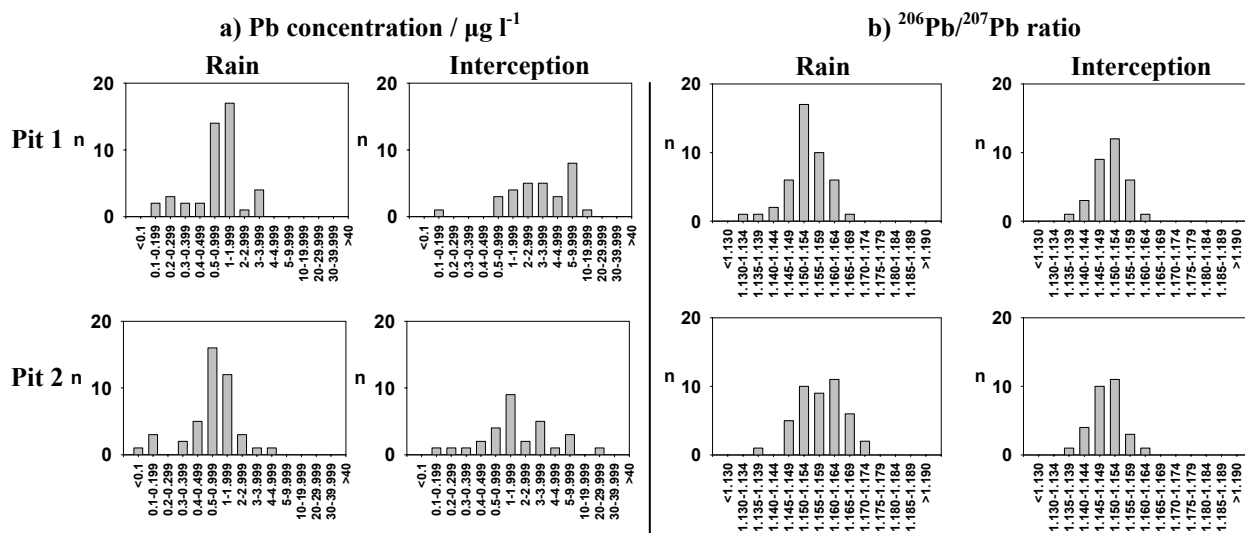


Fig. A1 Histograms of a) Pb concentration and b) $^{206}\text{Pb}/^{207}\text{Pb}$ ratio for rain water (October 2001-August 2003) and interception (May 2002-August 2003) at Pits 1 (n=44;43) and 2 (n=44;30).

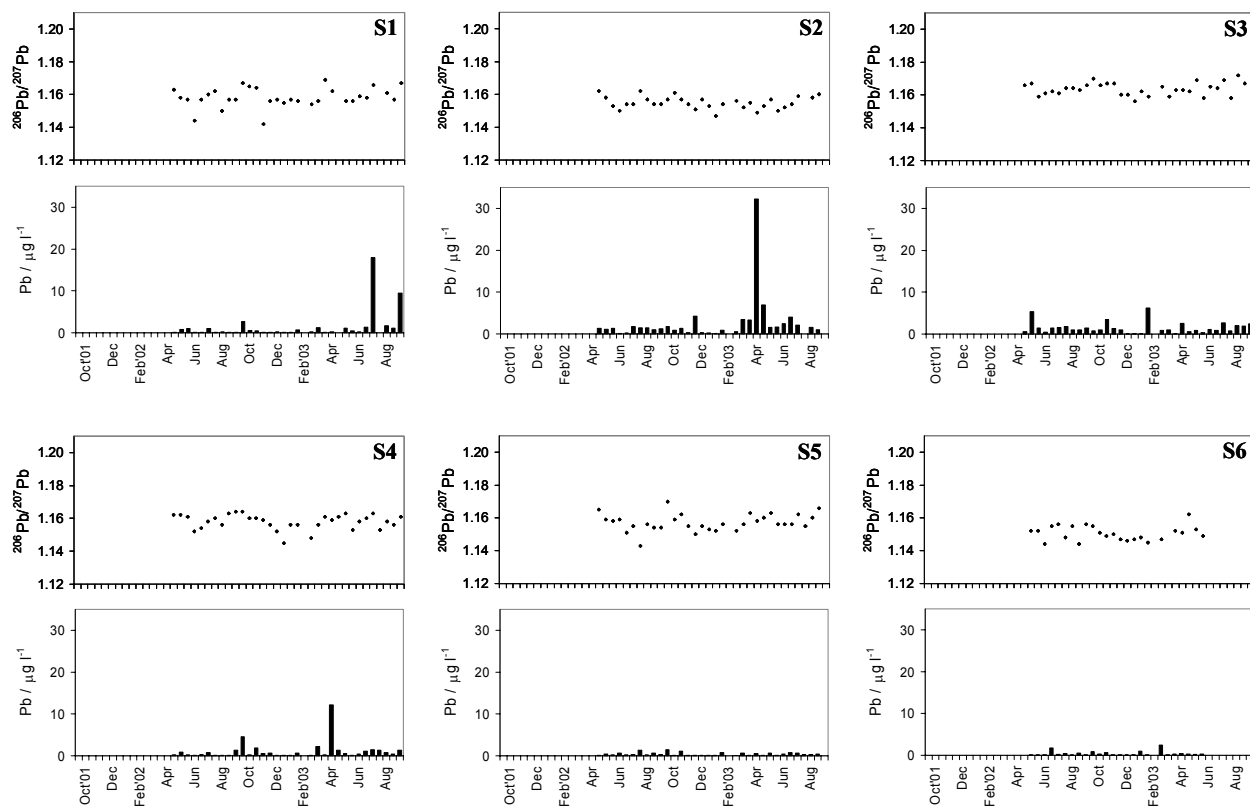


Fig. A2 $^{206}\text{Pb}/^{207}\text{Pb}$ ratios (typical error ± 0.004) and Pb concentrations for spring flows S1-6 collected at two-weekly intervals during the period May 2002-August 2003 at Glensaugh.

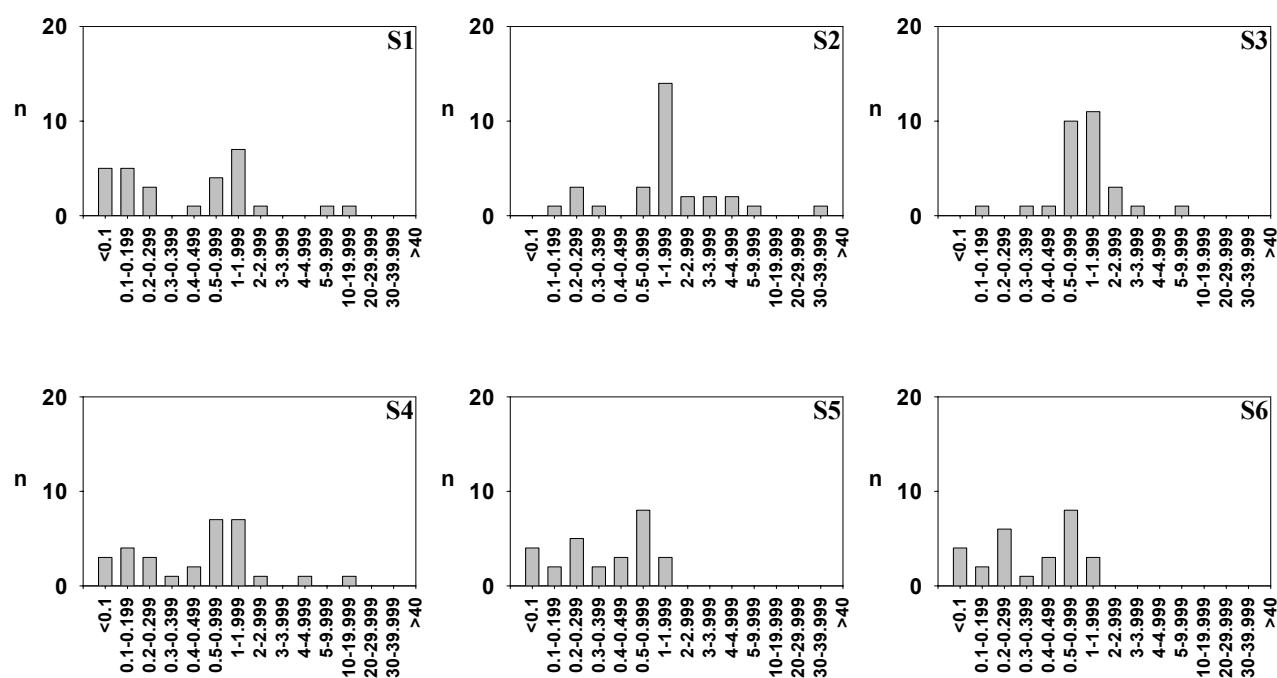


Fig. A3 Histograms of Pb concentration ($\mu\text{g l}^{-1}$) for spring flows S1-6 during the period May 2002-August 2003.

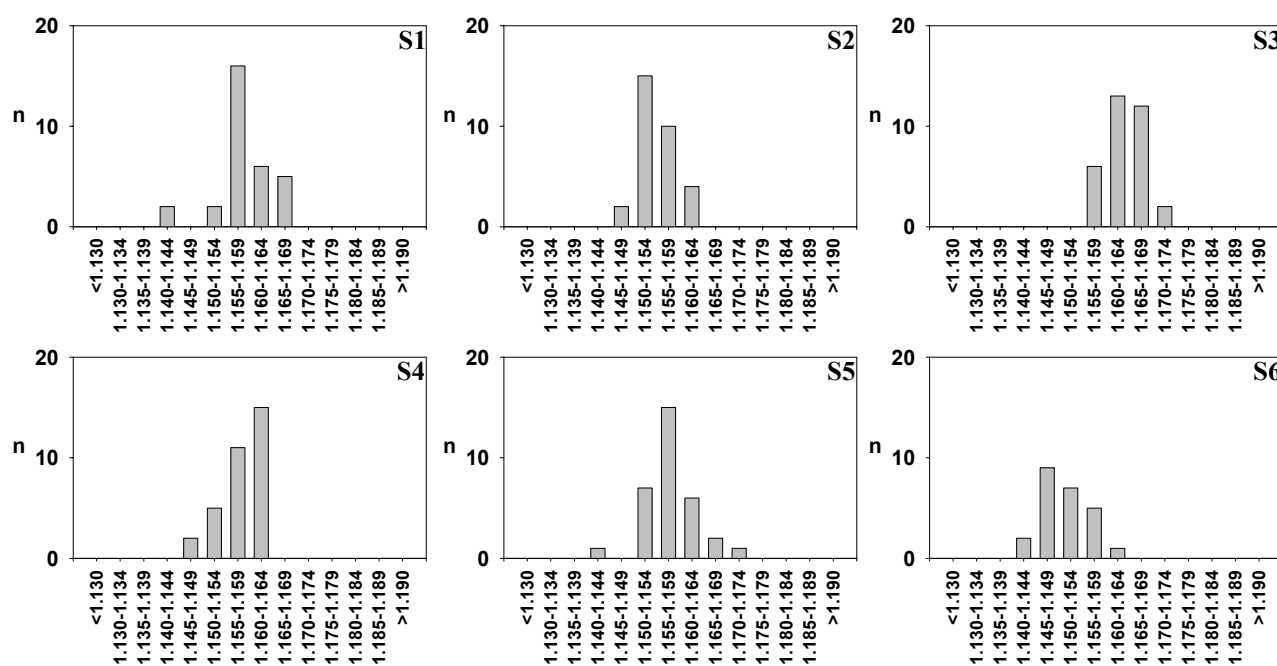


Fig. A4 Histograms of $^{206}\text{Pb}/^{207}\text{Pb}$ ratio for spring flows S1-6 during the period Oct 2001-Aug 2003.

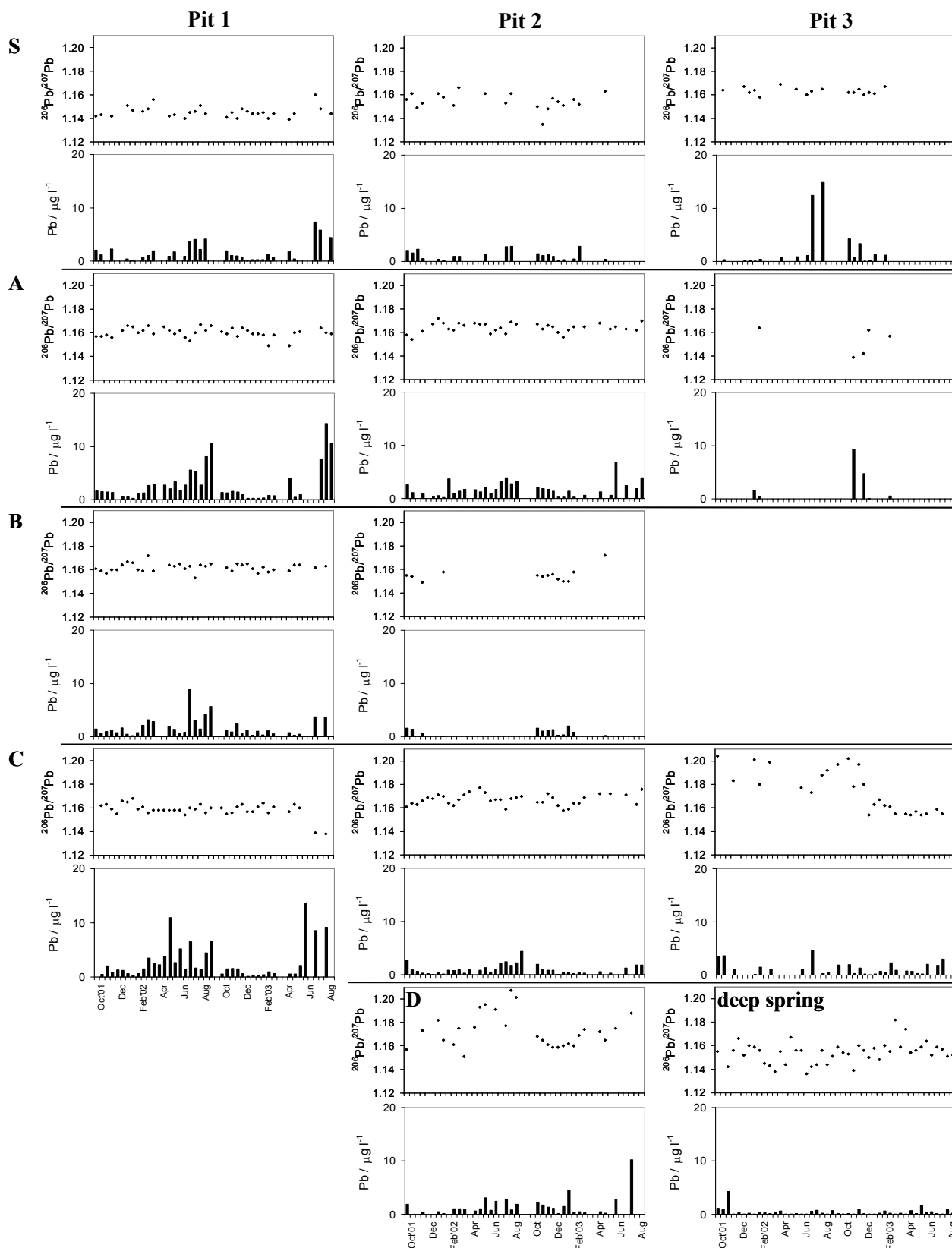


Fig. A5 $^{206}\text{Pb}/^{207}\text{Pb}$ ratios (typical error ± 0.004) and Pb concentrations for soil throughflow collected at two-weekly intervals from Pits 1-3 during the period October 2001-August 2003 at Glensaugh.

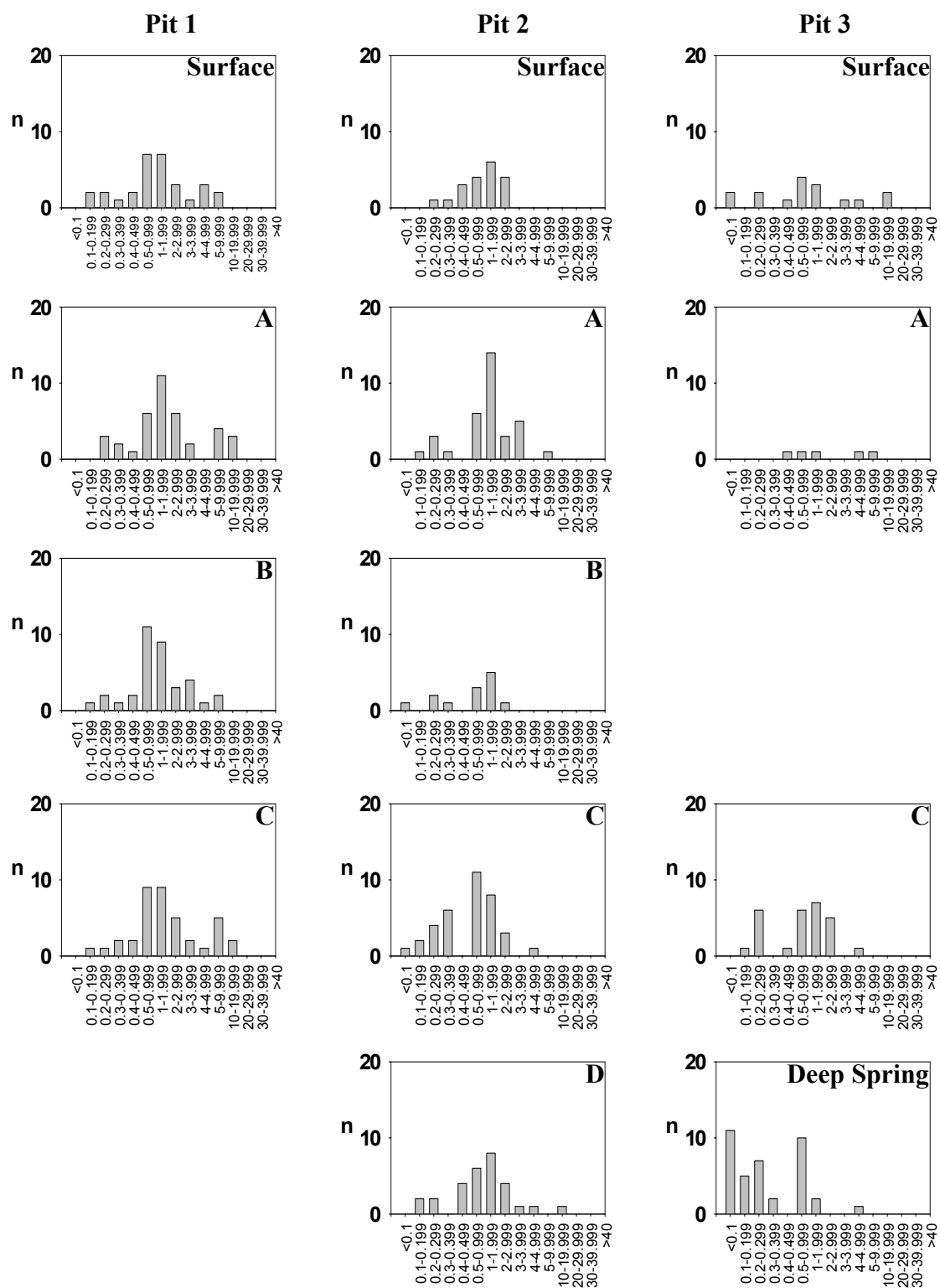


Fig. A6 Histograms of Pb concentration ($\mu\text{g l}^{-1}$) for soil throughflow at Pits 1, 2 and 3 during the period October 2001-August 2003.

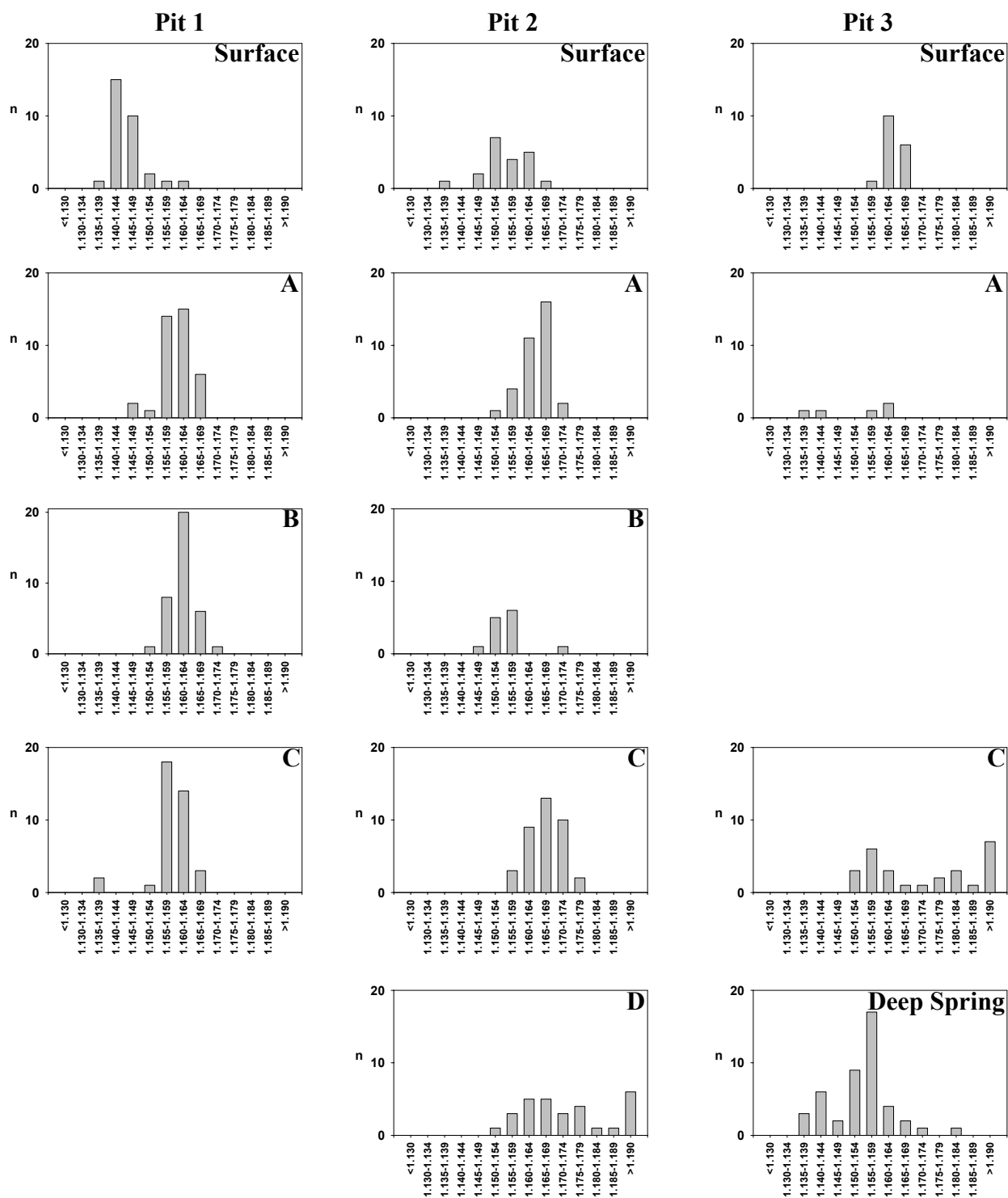


Fig. A7 Histograms of $^{206}\text{Pb}/^{207}\text{Pb}$ ratio for soil throughflow at Pits 1-3 during the period October 2001-August 2003.

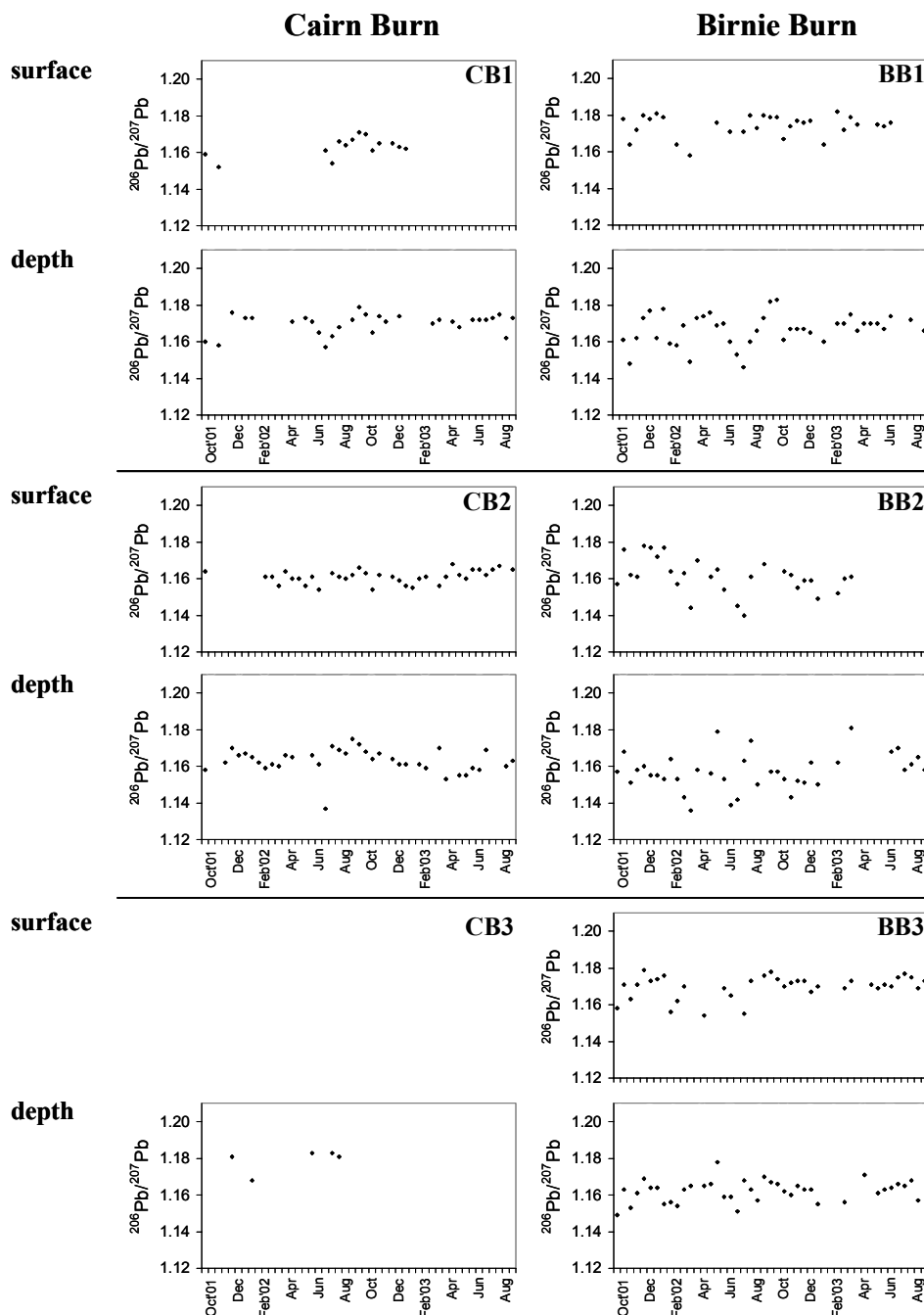


Fig. A8 $^{206}\text{Pb}/^{207}\text{Pb}$ ratios (typical error ± 0.004) for soil porewaters collected at two-weekly intervals from Prenart samplers located near each of the stream sampling sites during the period October 2001-August 2003 at Glensaugh.

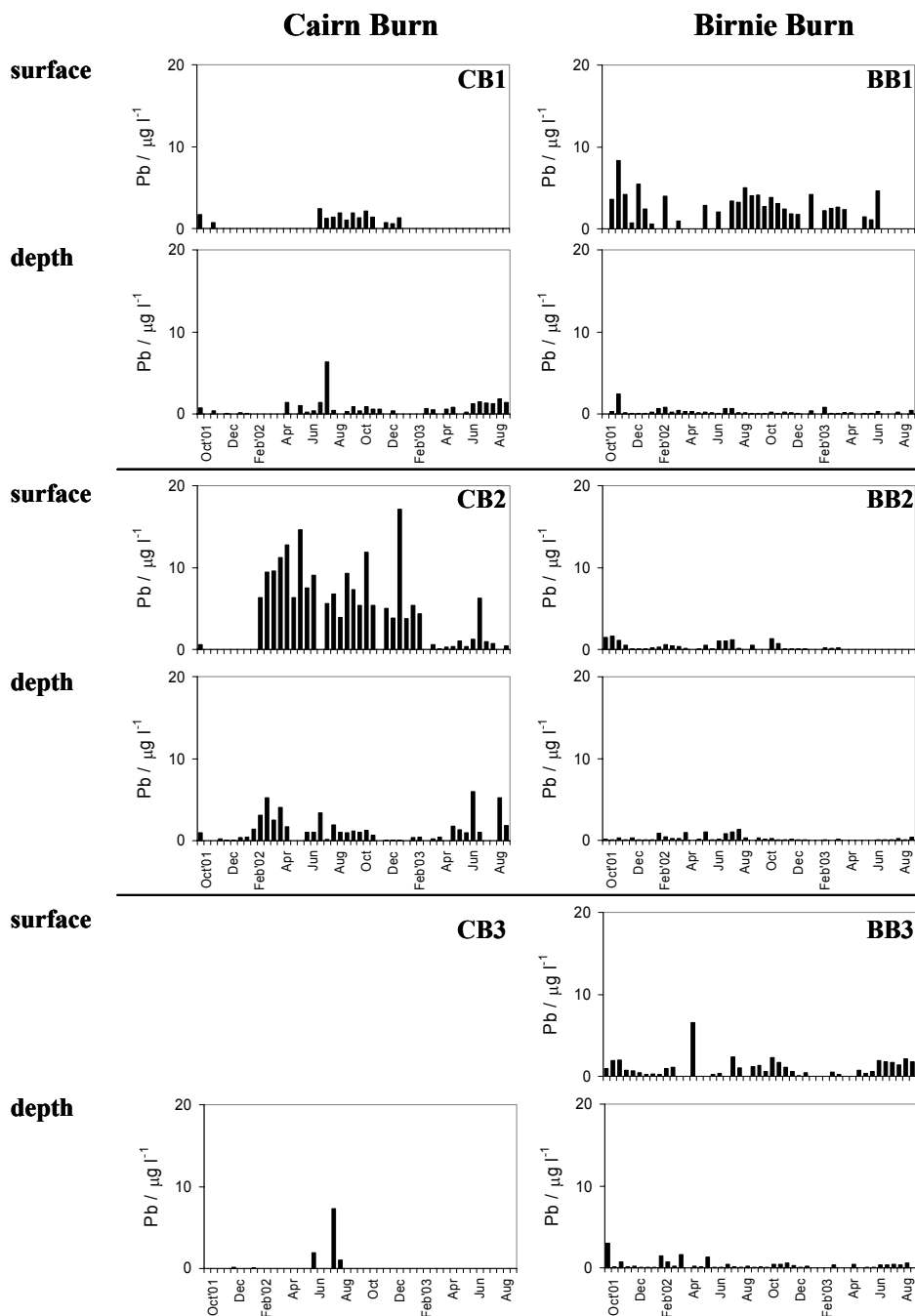


Fig. A9 Pb concentrations for soil porewaters collected at two-weekly intervals from Prenart samplers located near each of the stream sampling sites during the period October 2001-August 2003 at Glensaugh.

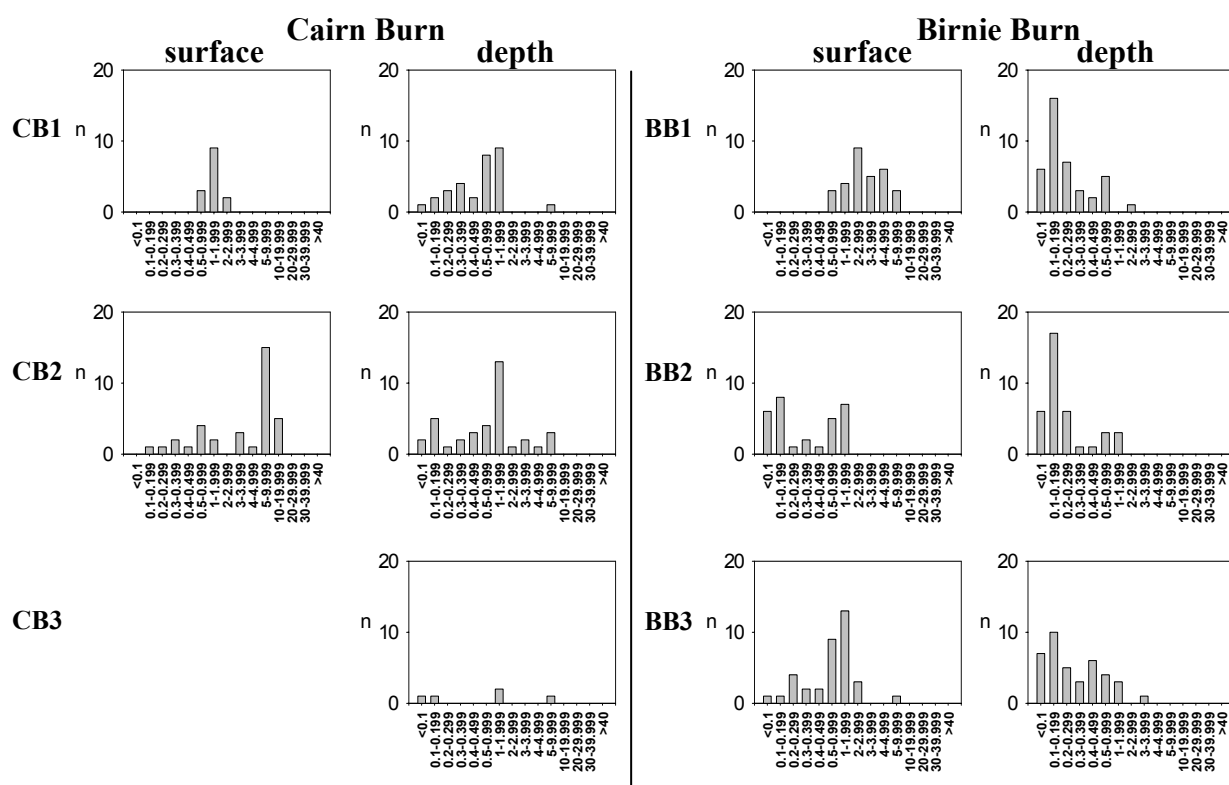


Fig. A10 Histograms of Pb concentration ($\mu\text{g l}^{-1}$) for soil porewaters collected from Prenart samplers located near each of the stream water sampling sites during the period October 2001-August 2003.

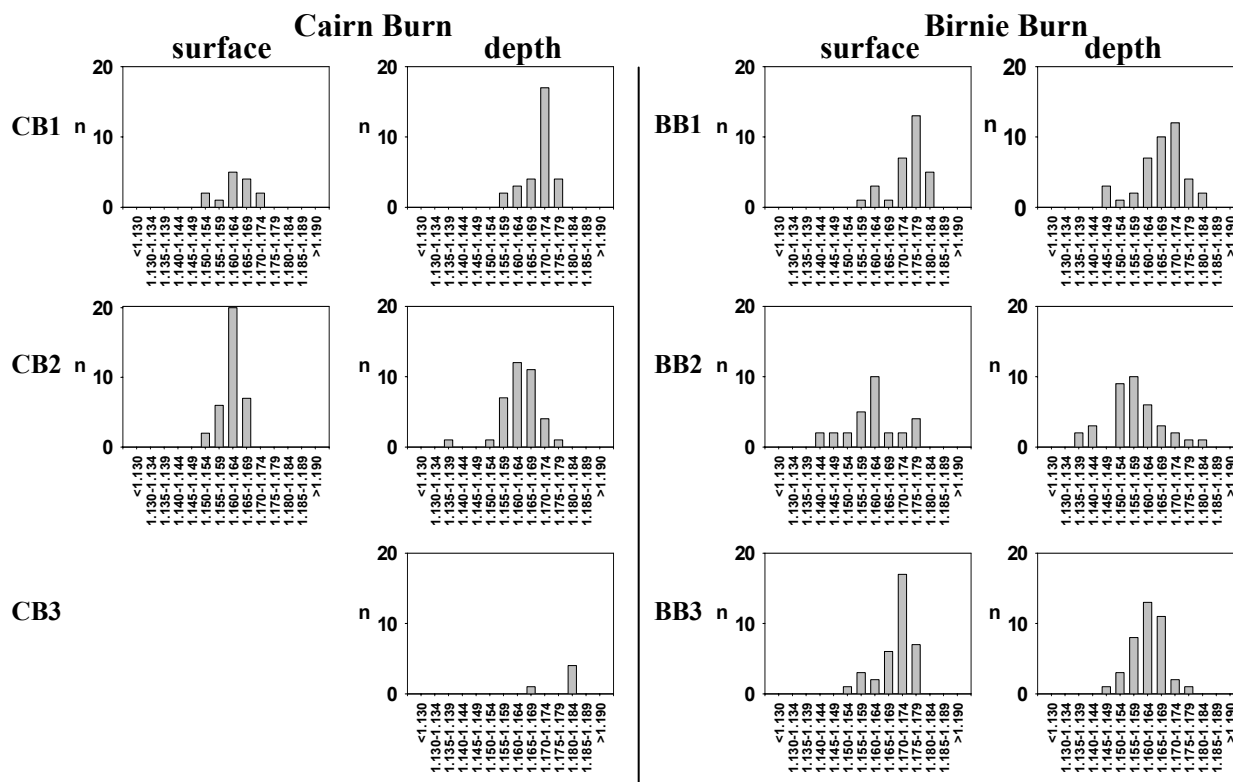


Fig.A11 Histograms of $^{206}\text{Pb}/^{207}\text{Pb}$ ratio (typical error ± 0.004) for soil porewaters collected from Prenart samplers located near each of the stream water sampling sites during the period October 2001-August 2003.

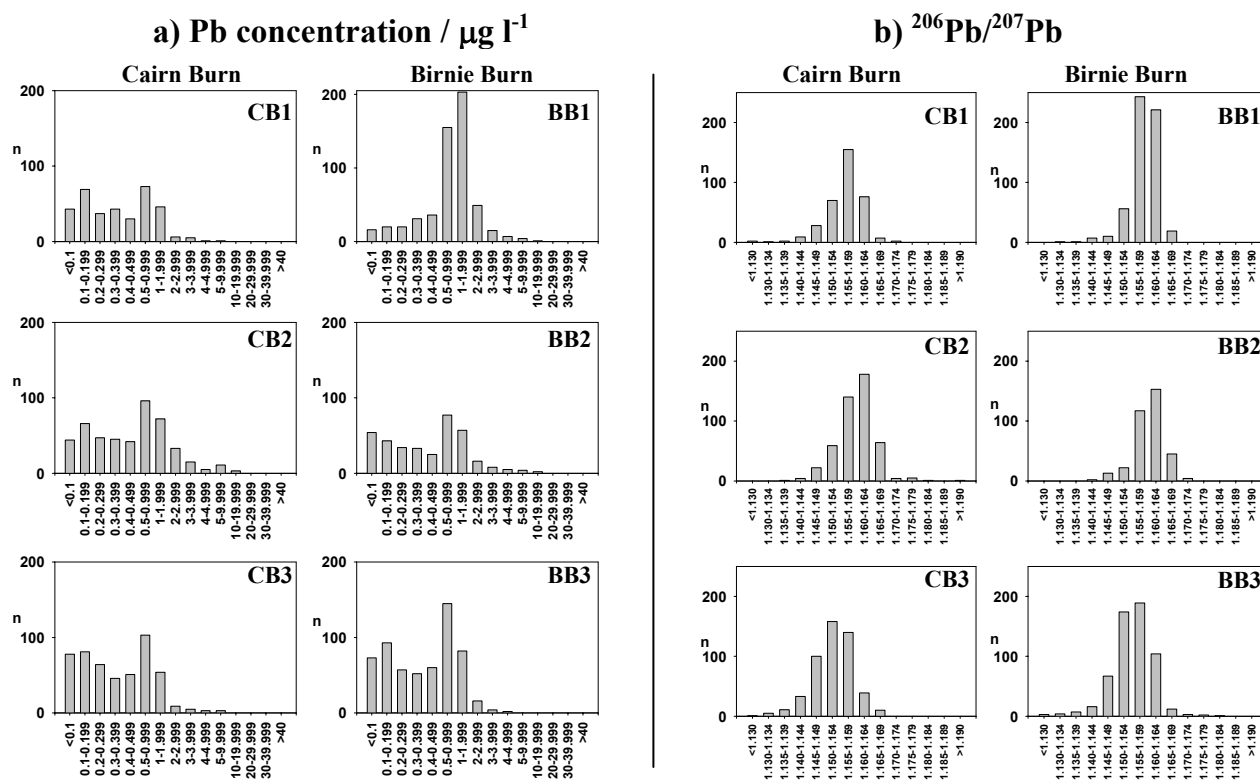


Fig. A12 Histograms of a) Pb concentration and b) $^{206}\text{Pb}/^{207}\text{Pb}$ ratio for stream water at CB1-3 and BB1-3 during the period October 2001-August 2003.

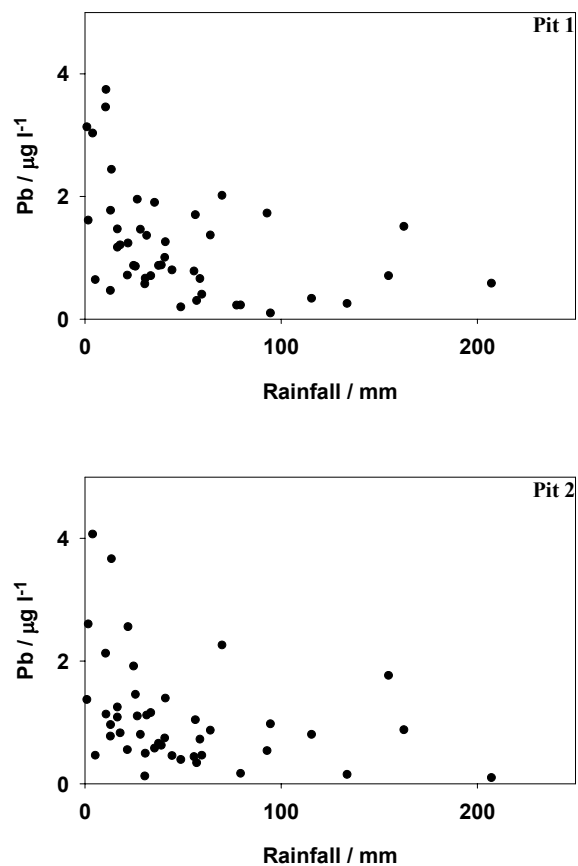


Fig. A13 Relationship between Pb concentration in rain water and rainfall (mm) at Glensaugh during the period October 2001-August 2003.

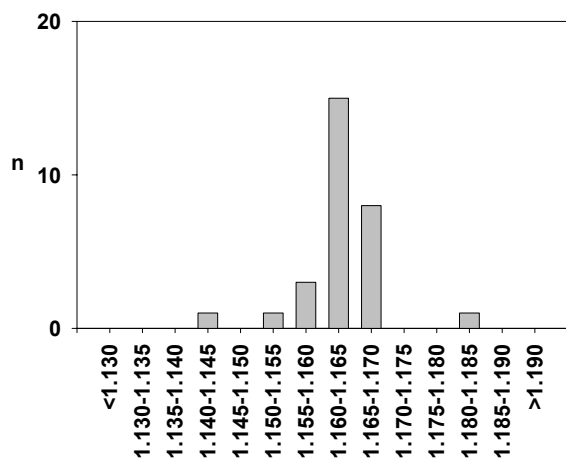


Fig. A14 $^{206}\text{Pb}/^{207}\text{Pb}$ ratio in stream waters at Glensaugh when Pb concentration was $> 5 \mu\text{g l}^{-1}$ during the period October 2001-August 2003.