

APE031-14

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## 長野県深見池年縞堆積物を用いた樹木年輪年代学的手法の応用 Application of dendrochronological dating for varved lake sediments from Lake Fukami, Central Japan

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Various archives such as tree rings, varves, ice cores and historical documents have provided effective proxy data for unraveling the past environmental variability. The archives have provided valuable insight into the past environmental conditions by assigning accurate calendar dates. Dendrochronology is the science of dating tree rings, widely used to address environmental and historical issues. Tree-ring dating, so called crossdating, is performed by cross-matching variations in ring characteristics among tree-ring series. This procedure can determine the exact calendar year of each tree ring. In this study, we attempted to date varved lake sediment of twelve cores annually, recovered from Lake Fukami in Central Japan by using the dendrochronological crossdating.