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**Comparison Of Polychlorinated Biphenyls (pcbs) Between Various Wildlife, Sediment, Air, And Human Blood Samples From The Mohawk Nation Of Akwesasne.**

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Polychlorinated biphenyls (PCB) are ubiquitous in our bodies and environment. The Mohawk Nation of Akwesasne (in New York, Ontario, and Quebec, Canada) was heavily contaminated by PCBs released from three primary sources; General Motors Foundry, Reynolds, and Alcoa. The goals of this study are to compare total PCB levels and PCB profiles in wildlife samples, sediment, air (before, during, and post-remediation), and human blood samples. Wildlife species included yellow perch, brown bullheads, shiners, smallmouth bass, and tree swallows. Results support our hypothesis that total PCB levels vary by distance from the contamination site. PCB profiles were also found to vary between species. Fish consumption is a major route of PCB exposure in humans yet the PCB profiles were found to be different between the fish and human blood samples.