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Fire Fallout of Metals Off California

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ABSTRACT

Distinct increases were measured in dry aerial deposition rates of nine trace metals along the section of the southern California coast covered by a forest fire smoke plume. However, with the exception of iron, manganese, and lead, estimated inputs of metals to the coastal marine ecosystem via this route during both fire and non-fire periods were one to two orders of magnitude below those from the submarine discharge of municipal wastewater.

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