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Using EIAs in our Research

Madison Condon
Columbia Water Center



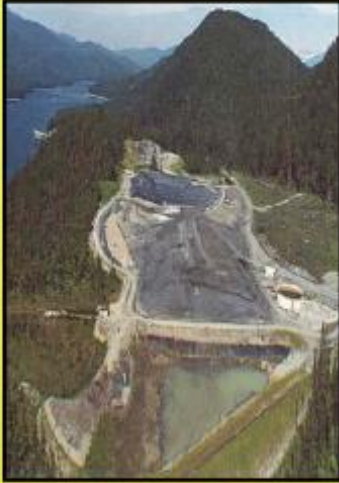
Mining and Water Risk

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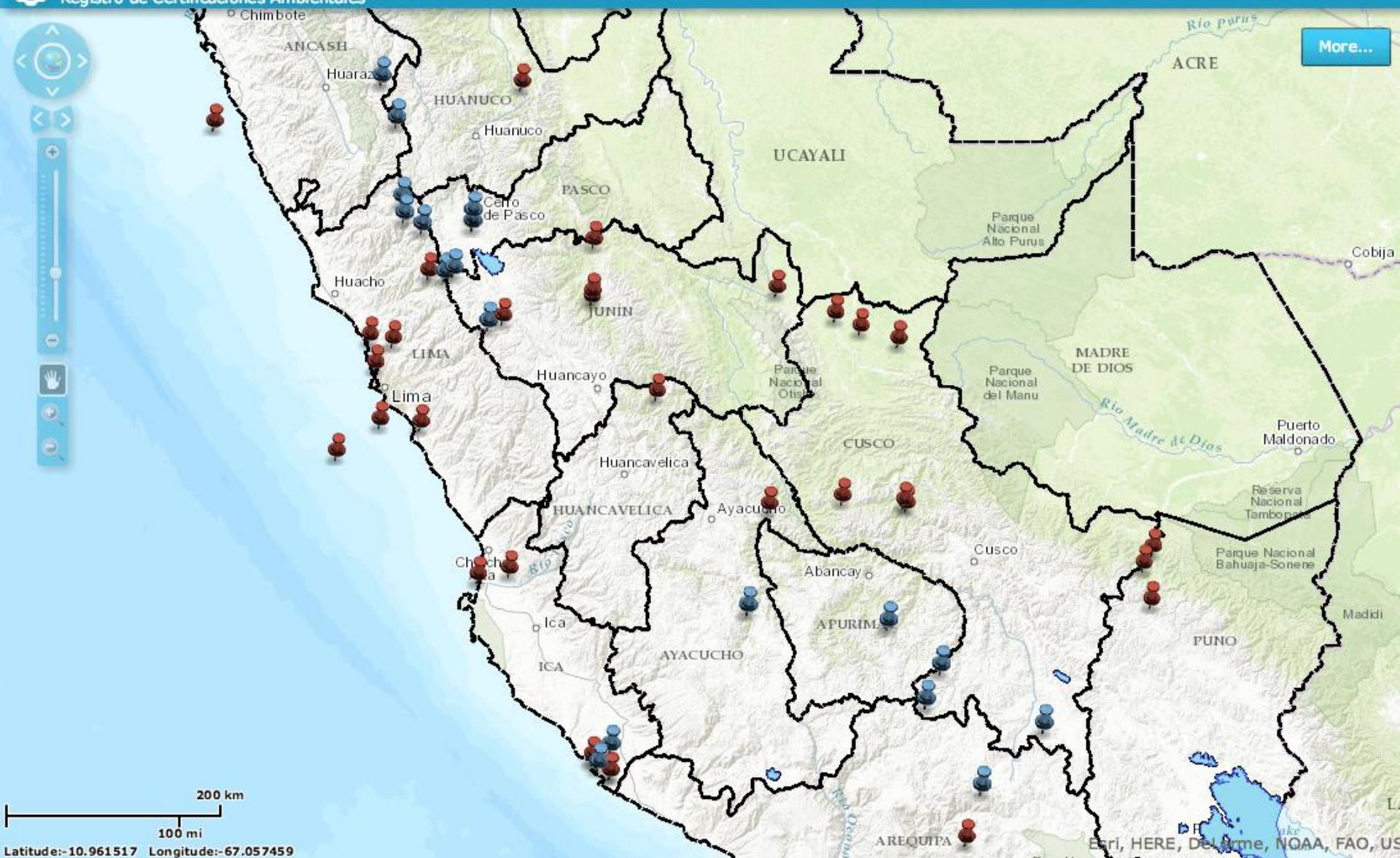


Comparison of Predicted and Actual Water Quality at Hardrock Mines

The reliability of predictions in Environmental Impact Statements

Earthworks Findings, Kuipers & Maest (2006)

- Since 1975, 183 major hard-rock mines have operated in the US, with about half of these currently closed. 137 mines triggered NEPA action, and 71 had EIS documents available for review.
- The study found that although most of the 25 case-study mines predicted no impacts to surface water or groundwater quality after mitigation, for the majority of the mines evaluated in detail impacts have occurred.
- Of the 25 mines studied in detail, the report finds that 15 had exceedences of surface water standards and 17 had exceedences of groundwater standards. Nine had developed acid drainage.



<http://sicam.senace.gob.pe/sicam/>



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N or	name	Kind	Region	Typology	Headline	Investment (MMU \$)	Date Submission Date Income (*)	State	Map
1	Water Desalination Plant Sea for the Atacama Region, provinces of Copiapó and Chañaral	EIA	Third	o3	Concessionaire Company of Sanitary Services SA	250.0000	09/12/2014	Qualifying	
2	I CARDONES SOLAR photovoltaic plant (35 MW). BOROUGH COPIAPÓ, province of Copiapo, Atacama Region	EIA	Third	c	Two Renovalia Chile SpA	65.0000	19/12/2013	Approved	
3	Desalination plant for Copiapó Valley	EIA	Third	o6	AGBAR Chile SA	254.0000	31/05/2010	Rejected	
4	Plant Expansion Project Copiapó Cal - Cal Homo No. 2	EIA	Third	k1	LIME INACESA SA	55.0000	17/02/2010	Approved	
5	Water Supply Project for Mining Copiapó Valley	EIA	Third	o6	Cleanairtech Sudamerica SA	248.0000	20/11/2009	Approved	
6	Water Supply Project for Mining Copiapó Valley	EIA	Third	o6	Cleanairtech Sudamerica SA	248.0000	16/11/2009	No Admitted to Processing	



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