

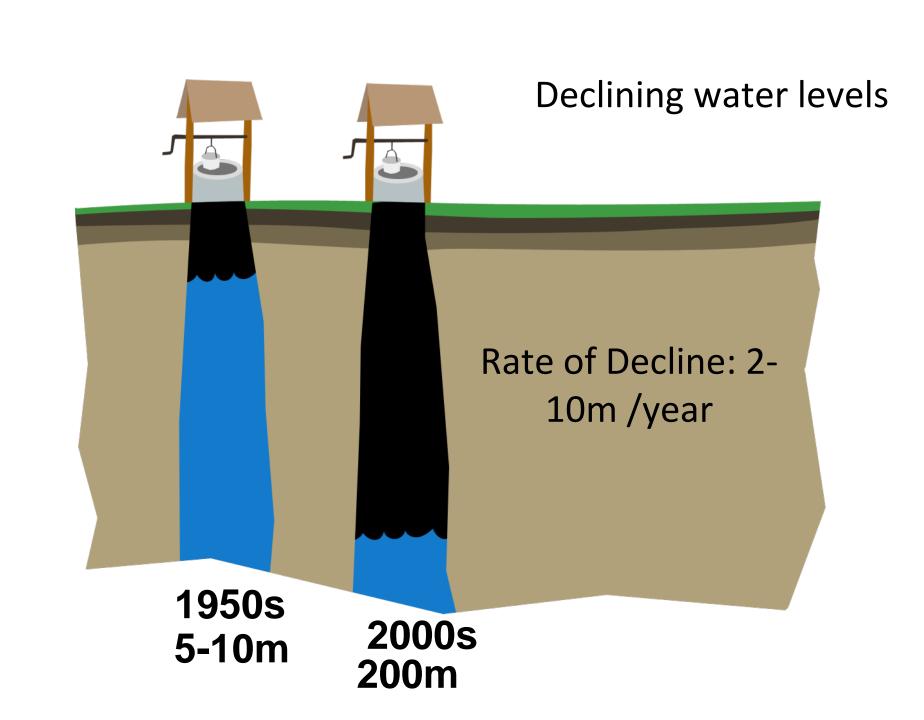
Broccoli Production



Average: 285 L/Kilo

Guanajuato: 1,500 L/Kilo





Current Water Situation





Water Sources and Supply







Promoting healthier more prosperous lives through practical sustainable solutions.



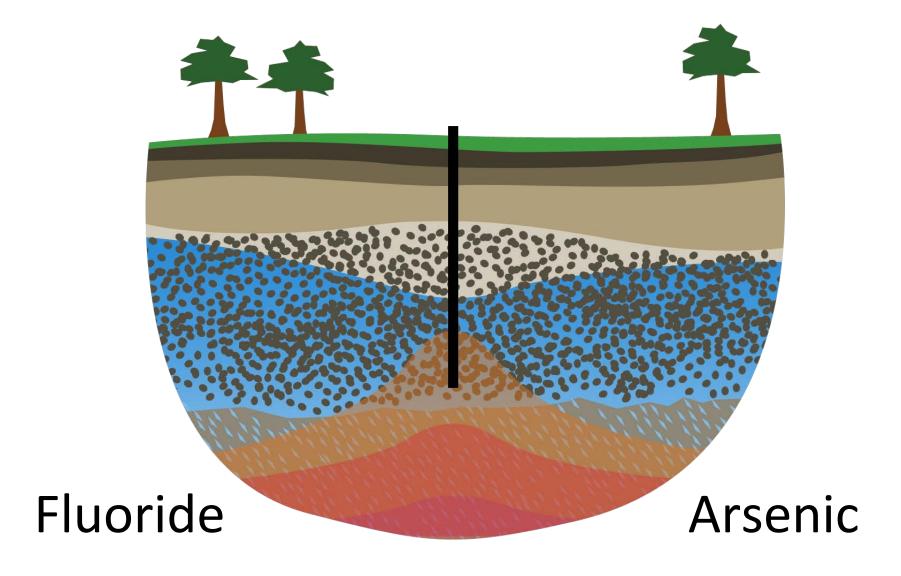
Caminos de Agua Ceramic Water Filter System





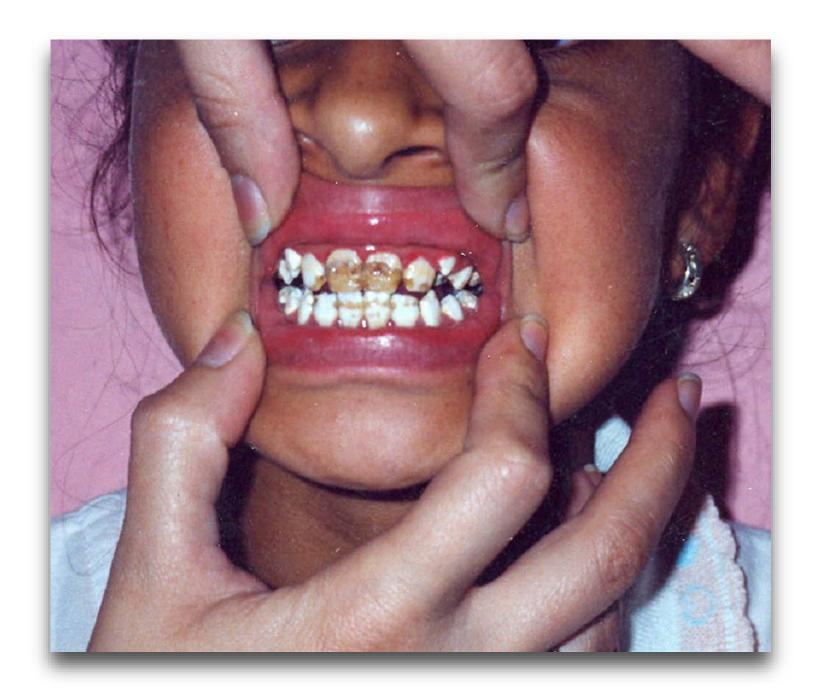


Migration of fossil water

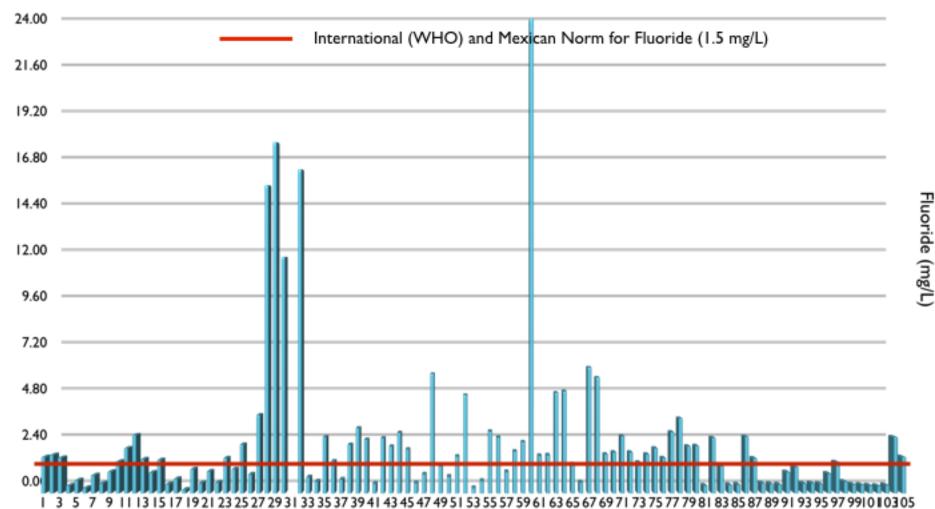


Quality of well water

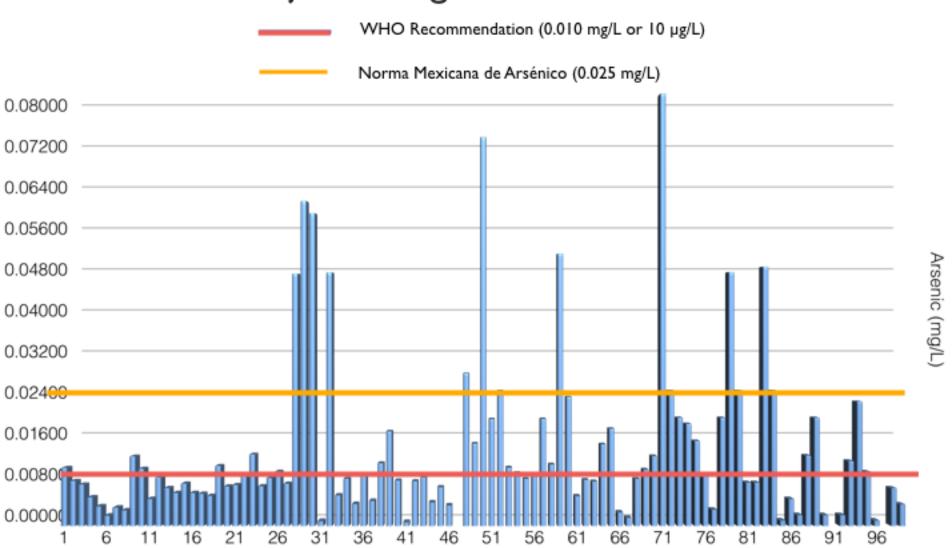
Contaminant	Units	WHO Guideline	San Antonio	% Above WHO
Fluoride	mg/L	1.5	23.4	1,560%
Arsenic	μg/L	10*	72.7	727%



Fluoride Contamination in Community Wells of the Alta Río Laja and Laguna Seca Sub-basins



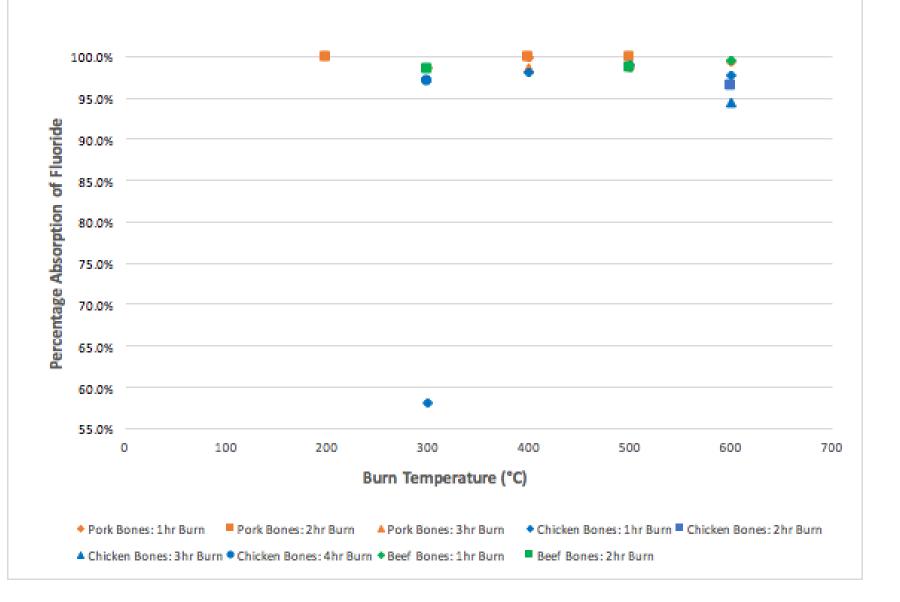
Arsenic Contamination in Community Wells of the Alta Río Laja and Laguna Seca Sub-basins

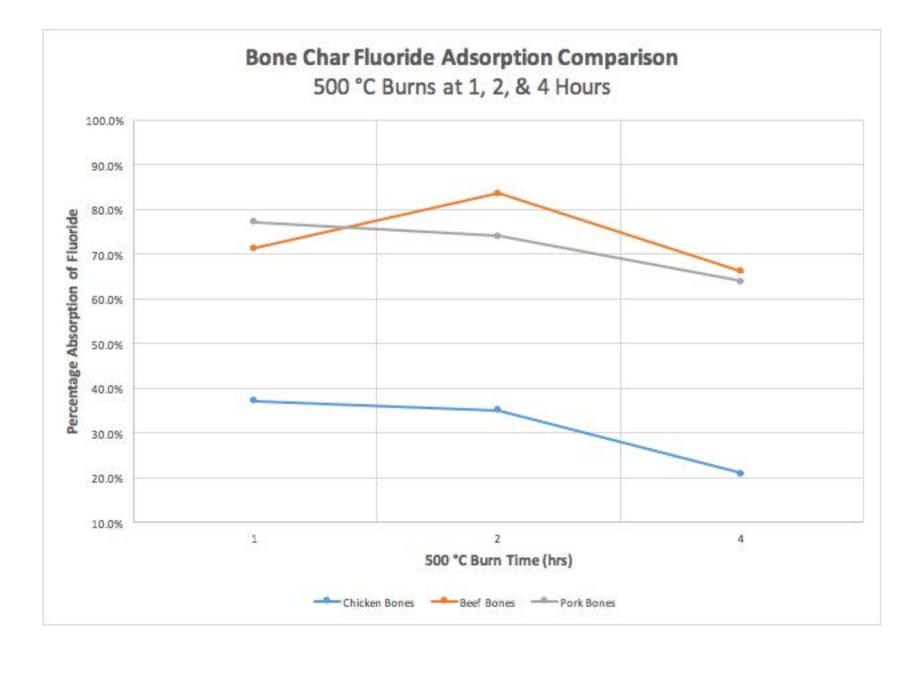




Fluoride Removal Comparison: NIU Laboratory Results of Caminos Bone Chars

3g BC / 40ml fluorinated water (initial starting concentration 9.63 - 9.75 mg/L), mixed 3x, 24hrs

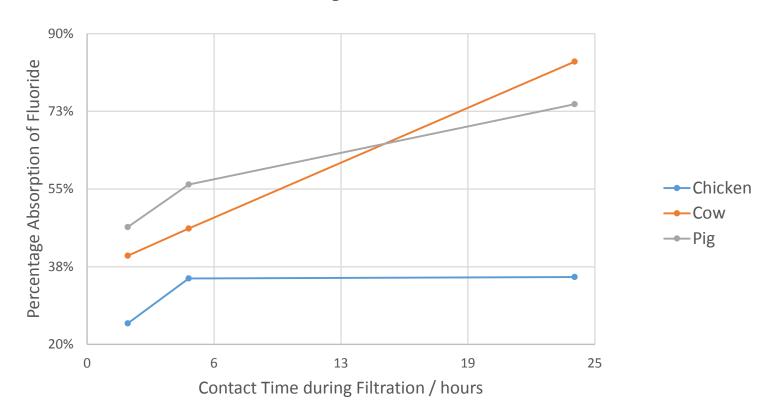




Effect of contact time

These Caminos de Agua absorption tests also show the importance of contact time on Fluoride absorption.

Effect of Bone Type and Contact Time during Filtration on Fluoride Absorption Capacities of Bone Char Filters (500°C burn temperature, 2 hour burn time) - Caminos de Agua Tests



Comparison with commercially-bought char

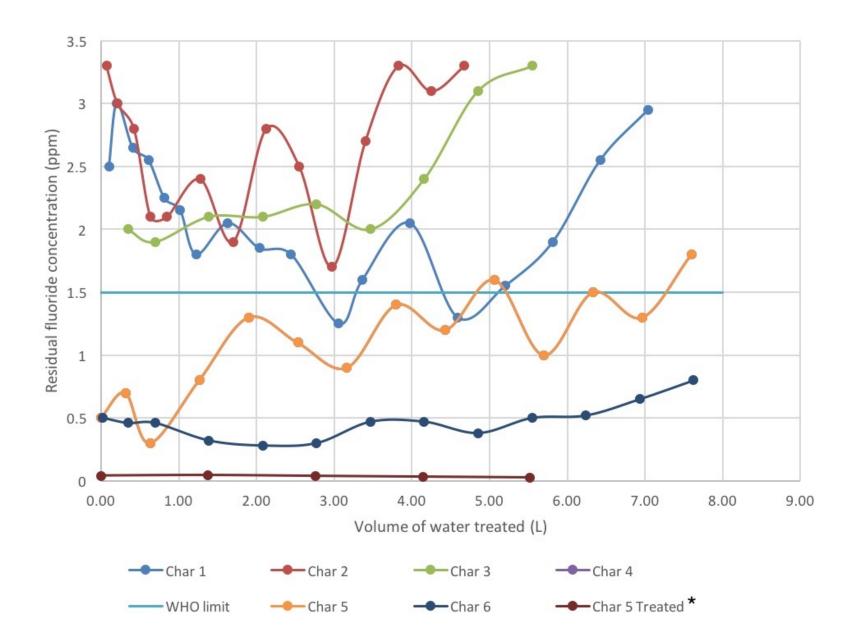
 The bone chars produced by Caminos de Agua and tested by NIU (under lab conditions) had an average Fluoride adsorption of 96.4%.

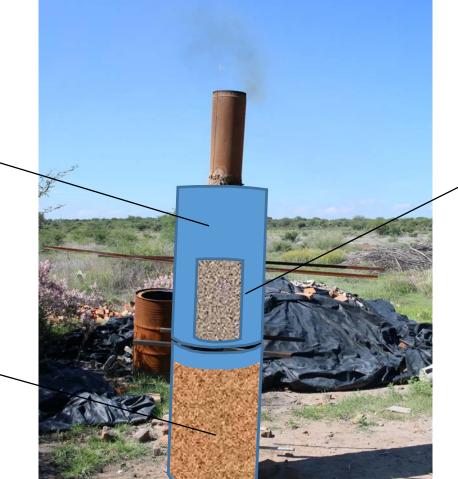
 This is compared to an average adsorption using commercially-available bone char bought online, tested under the same conditions, of just 76.4%.

Effect of using real community water

Fluoride adsorption percentage (500C at 2 hours, 24 hour contact time)	NIU	CDA
Cow bones	98.5%	83.7%
Pig bones	99.8%	74.1%
Chicken Bones	96.3%	35.2%

Caminos de Agua Bone Char Column Tests





Combustion Chamber

Fuel Chamber filled with wood chunks

Retort containing animal bones



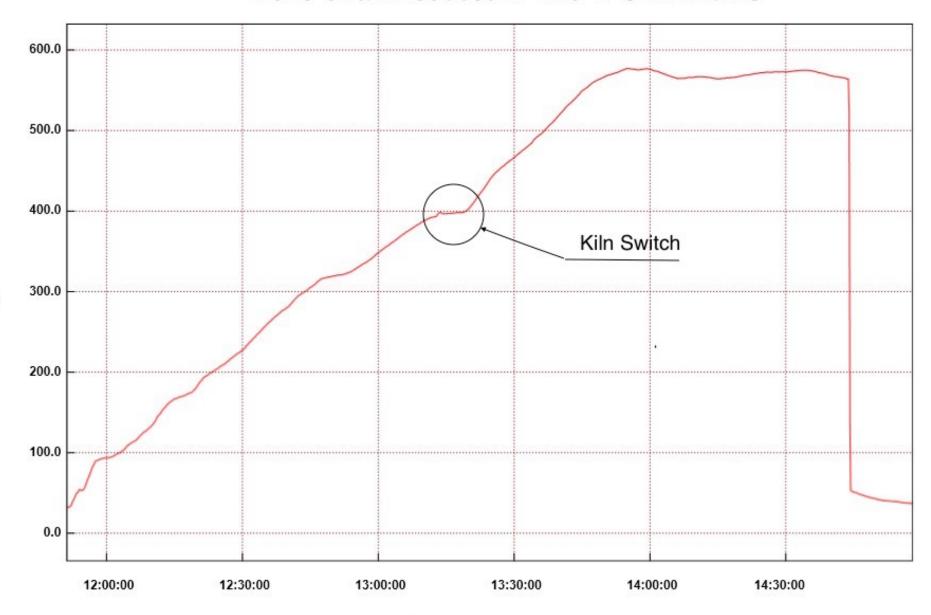








Bone Char Produced in Two TLUD-K Burns





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