

SediCon Dredge for Paso Ancho HPP, Panama

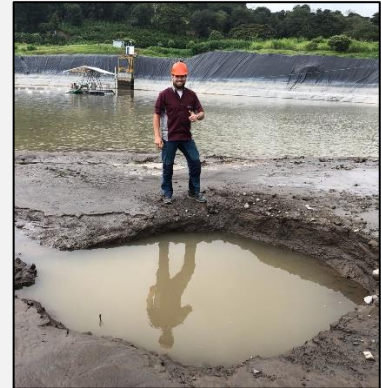
A SediCon Dredge was successfully installed and tested to remove the sediments in the pond.



SediCon dredge



Sediment discharge



Dredged point

Project Description:	7 MW run-of-river power plant commissioned 2010. 28.9GWh of annual production with a net head of 77 m and discharge of 9.0 m ³ /s. Hourly peaking reservoir with a total capacity of 70,000m ³ .
Location:	Volcán, Panamá 8.801075, -82.637148
Client:	Paso Ancho HPP
Sediment Challenge:	The peaking reservoir receives a large amount of sand and fine sediment every year. The sediment must be removed frequently to avoid operation problems, requiring drawdowns of the reservoir and interrupting the power production.
Solution:	SediCon supplied a SediCon Dredge capable of removing sediments without interfering with the power production. The equipment was especially designed for Paso Ancho's reservoir and was named "La Arenita" by the owner.
Implementation:	The SediCon Dredge was successfully installed and commissioned during by the end of August 2018.
Results:	During the first day of operation the sediment removal capacity was measured to 42 m ³ sediments per hour, exceeding by far the contractual requirement. The head available for the siphon at Paso Ancho is limited to 6,5 meters and the capacity is as high as physical laws permits in this case. Even greater capacity would have been possible with higher head.

SediCon is the leading supplier of sediment handling worldwide and provides reliable solutions with low water consumption and uninterrupted power production.