

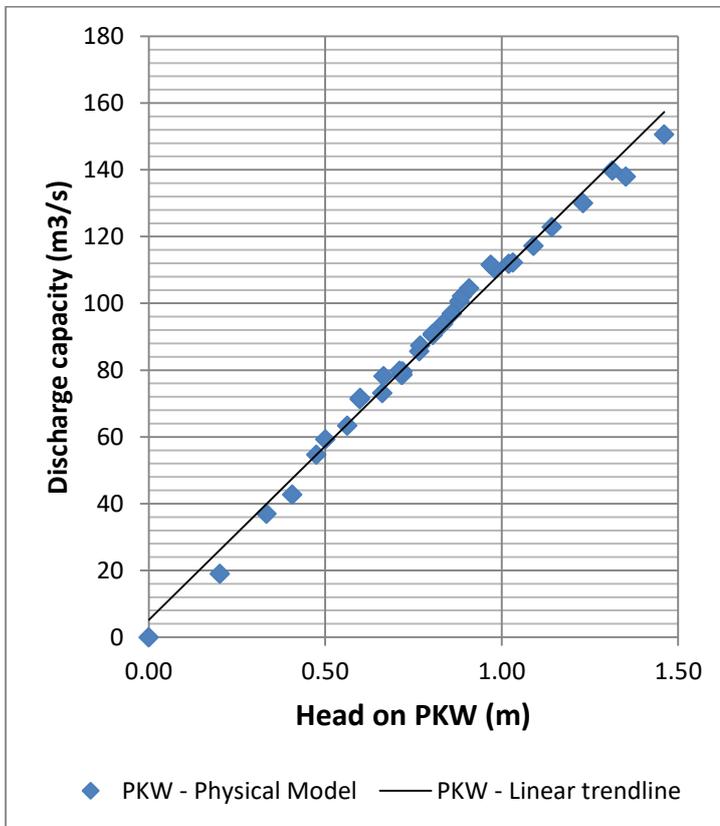


Dam's name:

**GLORIETTES**

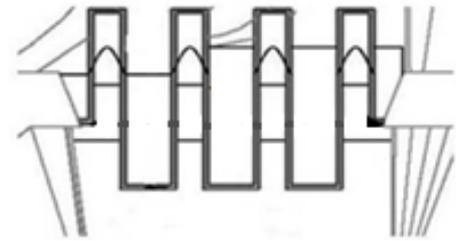
PKW's year of Construction:

2010

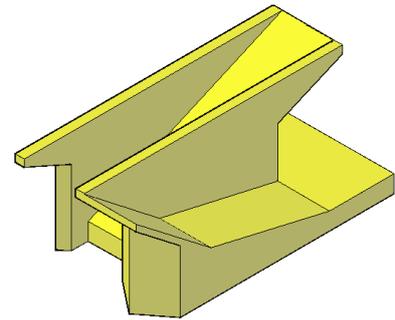


Country: France

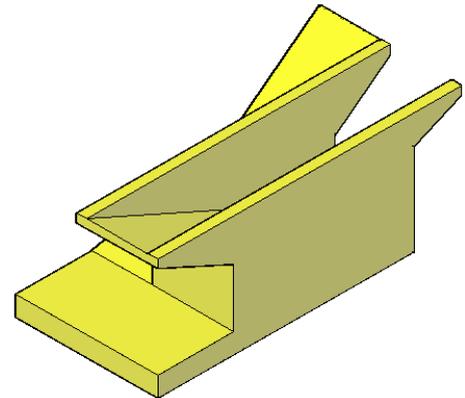
<i>Progress of work :</i>	Built
<i>Dam's owner:</i>	EDF
<i>Consultant and physical model laboratory:</i>	EPFL-LCH
<i>Contractor:</i>	Razel / Alpharoc
<i>PKW location:</i>	On a gravity wall extending the abutment dam
<i>Downstream energy dissipation type:</i>	Spillway chute
<i>PKW purpose:</i>	Increase discharge capacity
<i>PKW discharge capacity at MWL (m<sup>3</sup>/s):</i>	90
<i>Surveillance devices (Presence and type):</i>	No
<i>Aeration (type and diameter of the pipe):</i>	PEHD pipe of 160 mm of diameter
<i>Overflowing Frequency:</i>	Annual
<i>Number of overflow known:</i>	1 to 10
<i>Maximum head on PKW experienced (m) and date:</i>	Unknown
<i>Material of the PKW:</i>	Reinforced concrete
<i>Type of model used:</i>	Physical
<i>Type and number of other spillway:</i>	4 uncontrolled spillways
<i>B (m):</i>	9.96
<i>P (m):</i>	3
<i>W (m):</i>	16.5
<i>L (m):</i>	86.74
<i>Number of inlet:</i>	3
<i>W<sub>i</sub> (m):</i>	2.3
<i>Number of outlet:</i>	4
<i>W<sub>o</sub> (m):</i>	1.5
<i>T<sub>s</sub> (m):</i>	0.35



Plan view of the PKW



Upstream view of the PKW



Downstream view of the PKW

Comment:

A side channel spillway had to be built because it was undesirable to pass flood water over the dam