

# HidroAQP Quick Start Guide

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Discovery Park

HidroAQP is a free online tool that provides streamflow information for any stream in the Quilca-Chili-Vitor and the Camana basins. It provides streamflow under current conditions based on simulation using the Soil and Water Assessment Tool, a watershed simulation model. Water managers can use HidroAQP to understand water availability at any location and how it varies over time. HidroAQP also provides an estimate of what streamflow would be if the hydrologic modifications including reservoirs and diversions were not present, which may help to understand natural ecological flow conditions.

## Getting Started: The Map Tab

The Map tab allows you to select the river for which you will see streamflow data.

HidroAQP Mapa

Para iniciar, seleccione un río en el mapa. No es necesario registrarse o iniciar sesión.

Click here to zoom in and out on the map.

Click on a stream section to see more information.

Change the base map here.

Click the green button to see streamflow data for that location.

RÍO	Huancune
LON	-71.044
LAT	-16.408

SELECCIONE ESTE RÍO

## Caudales Diarios Tab

After you select a stream, this tab shows daily streamflow for the selected stream, for a time period you select.

HidroAQP Mapa Caudales Diarios Caudales Mensuales Tendencias de Flujo Acerca de HidroAQP

RÍO Colca  
LON -72.384  
LAT -15.848

Comparar escenarios adicionales  
Haga clic aquí

La opción Caudales no regulados se refiere a aquellos caudales naturales sin la regulación de las presas que fueron construidos en los cauces.

Non-regulated streamflow can be added.

Daily streamflow values are displayed.

Change the date range in several ways.

Caudal (Disponible 2009~2017)

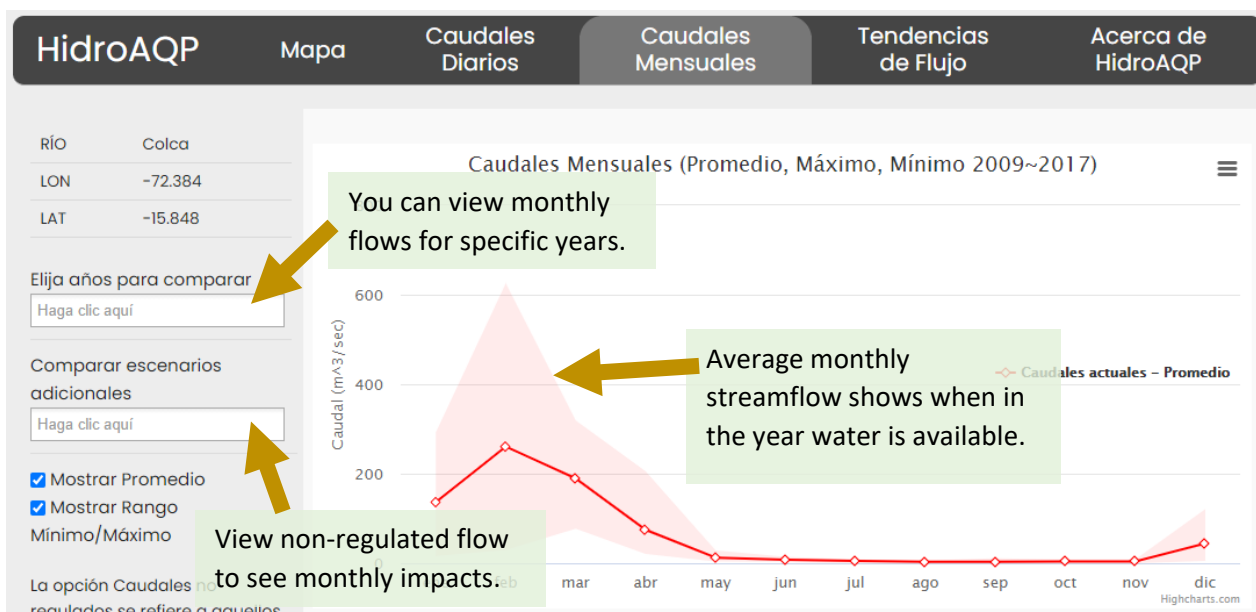
Período 1 mes 1 año Todos Desde 01-01-2009 Hasta 31-12-2017

Caudal (m³/sec)

Highcharts.com

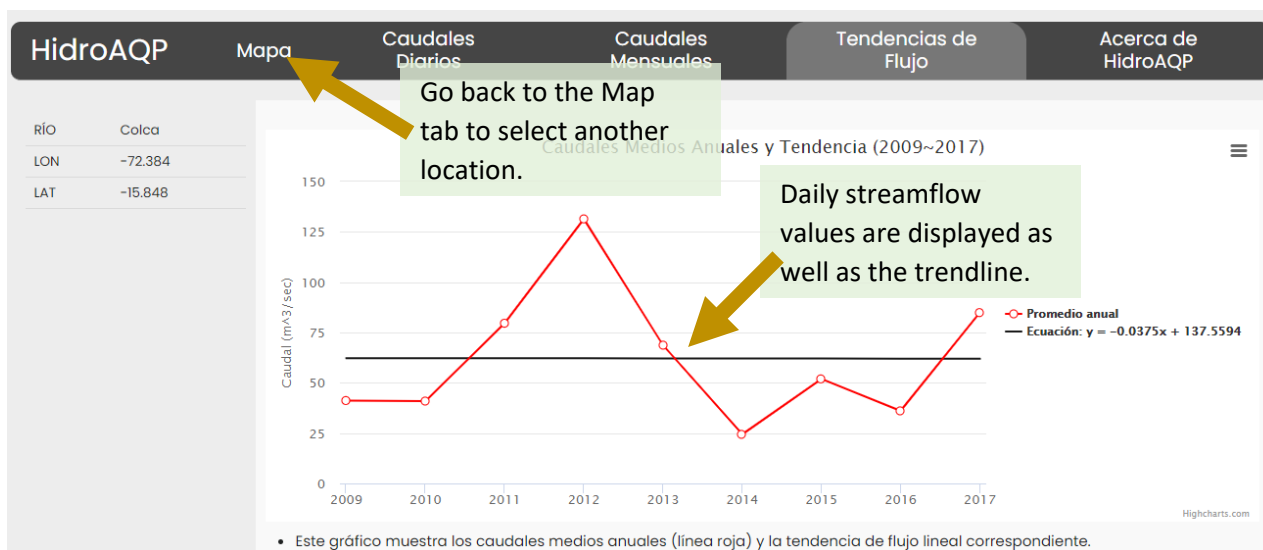
## Caudales Mensuales Tab

This tab shows average monthly flow over all the years of the simulation, and the maximum and minimum for each month. This is useful for understanding when in the year water is available.



## Tendencias de Flujo Tab

View annual streamflow for each year, and also the trend to see whether flow is increasing or decreasing.



## More information

For more information about this tool and the SWAT simulations presented, you can refer to the following resources:

- HidroAQP user's manual
- HidroAQP video tutorial
- Data publications on soil and land cover properties
- *Streamflow data available in Arequipa* factsheet

These resources, our tools, and other information about the SWM team can be found on our website: [purdue.university/instrumentos.nexus](http://purdue.university/instrumentos.nexus).

## CONTACT

For more information about the developers, this, and other tools developed by the Arequipa Nexus SWM team, contact us at [nexus-swm@purdue.edu](mailto:nexus-swm@purdue.edu).