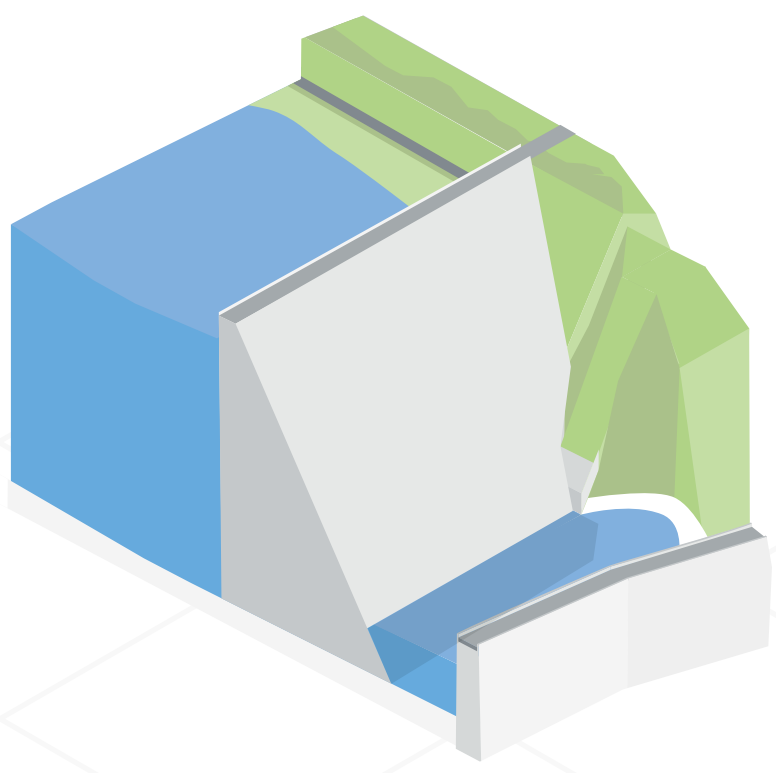


Dam types



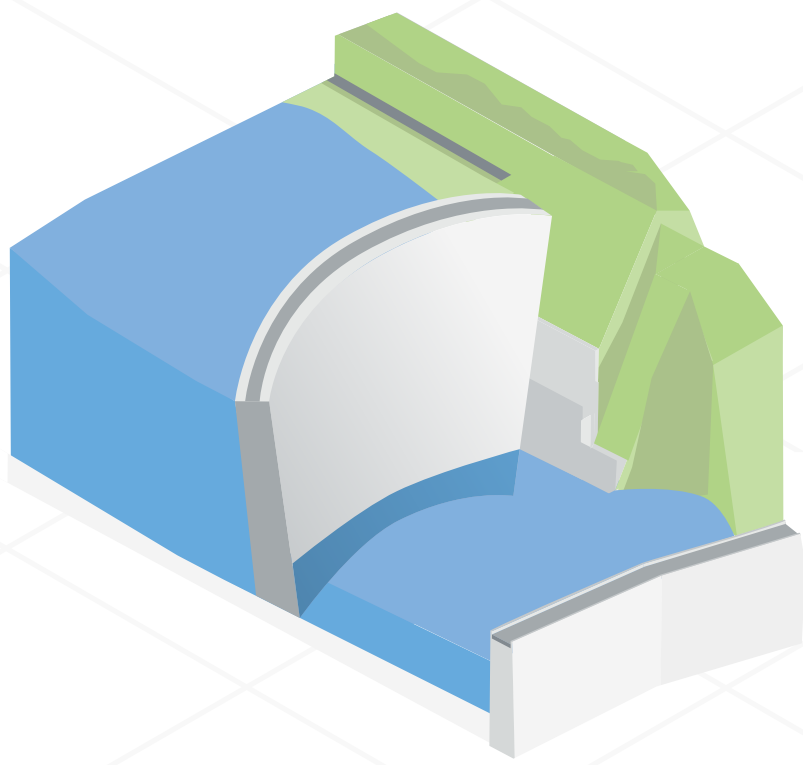
Gravity dams

It is its own weight that is responsible for resisting the thrust of the water.



Hollow or buttressed dams

This type of dam is similar to gravity dams but has a series of buttresses to provide stability.



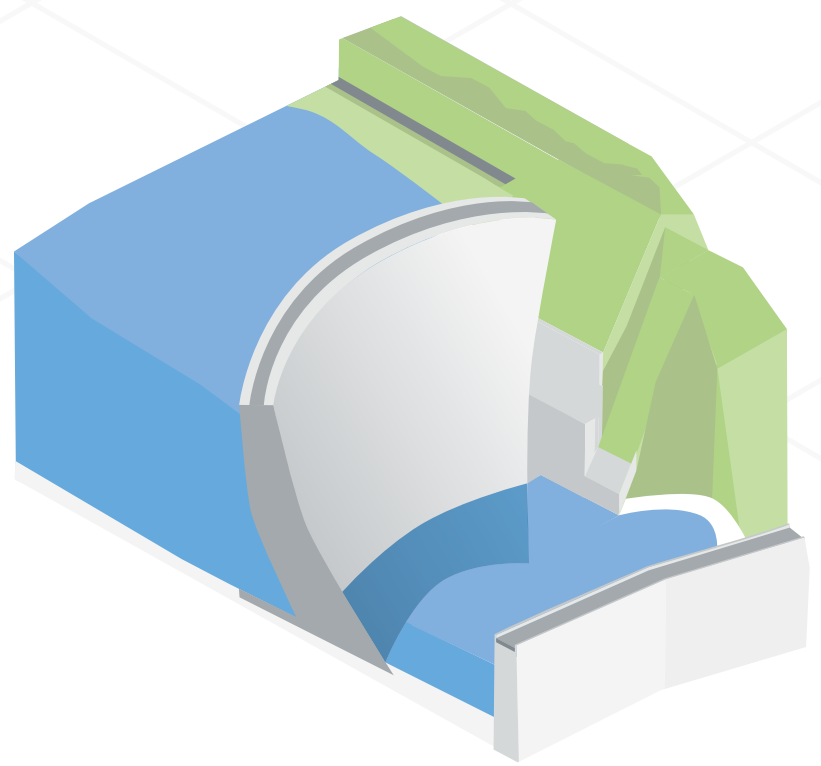
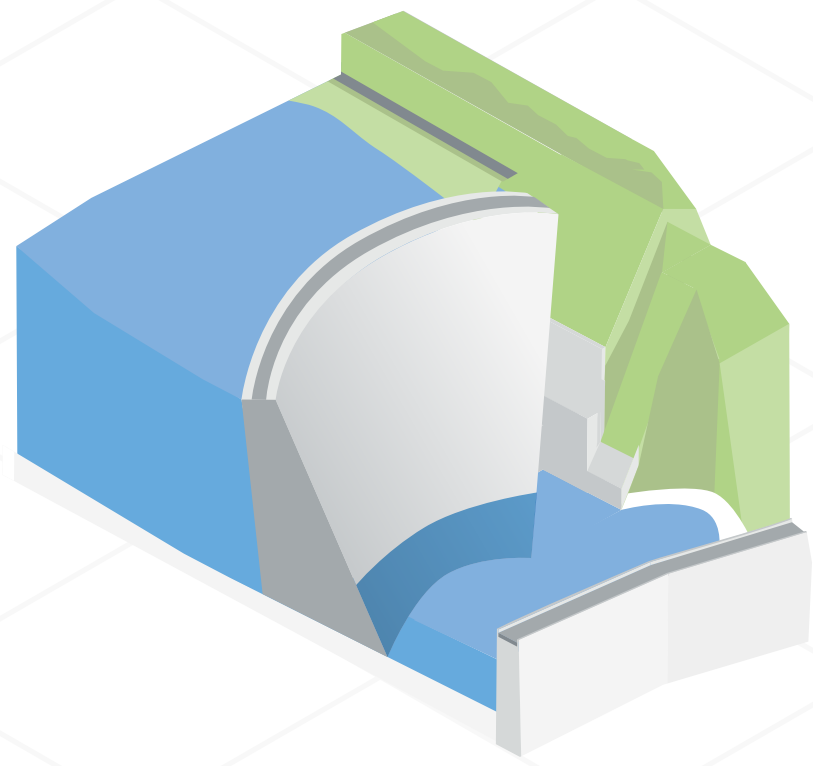
Arch dams

The predominant shape is that of an arch, and it is precisely its curvature that resists the thrust of the water.



Arch-gravity dams

It combines elements of the arch dam and the gravity dam, i.e., it is curved but the weight of the dam body helps the abutments to resist the stresses.

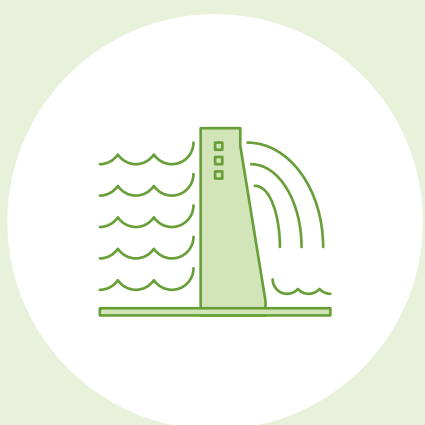


Vault dams or double-curvature arch dams

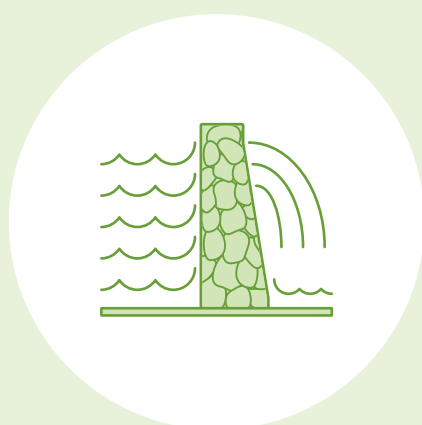
Due to its curved shape in plan and elevation, the stress is transmitted to the sides and bottom.



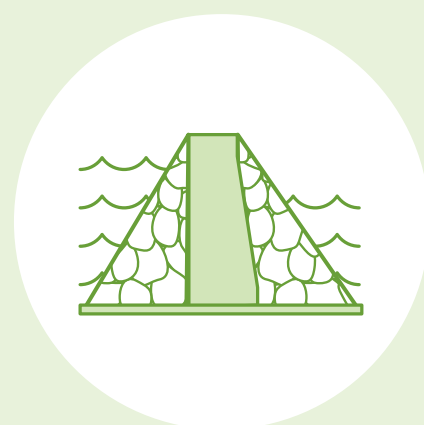
According to material



Concrete



Masonry



Loose materials