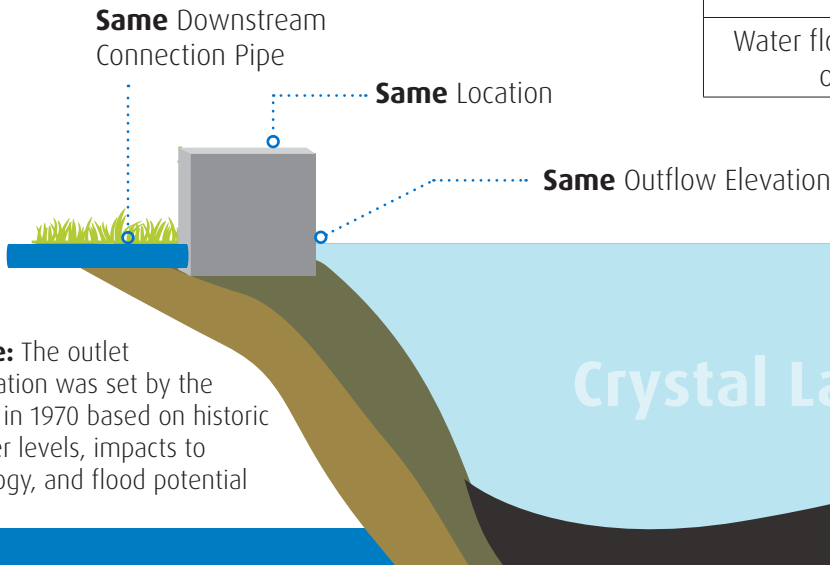


HOW DOES THE NEW CRYSTAL LAKE OUTLET COMPARE?

In 2021, the City of Burnsville replaced the Crystal Lake outlet structure with a new outlet structure. The new outlet structure was installed to provide additional flows at lake high water levels to reduce excessive water level periods on the lake and to prevent debris from clogging the outlet.

Old (1970-2021)	New (2022)
Closed Top	Open Grate Top
12.6 ft wide outlet (weir)	20 ft wide outlet (weir)
Trash & debris stopped by wooden logs	Trash & debris stopped by concrete wall
Water flow regulated by outside structure	Water flow regulated by weir within structure



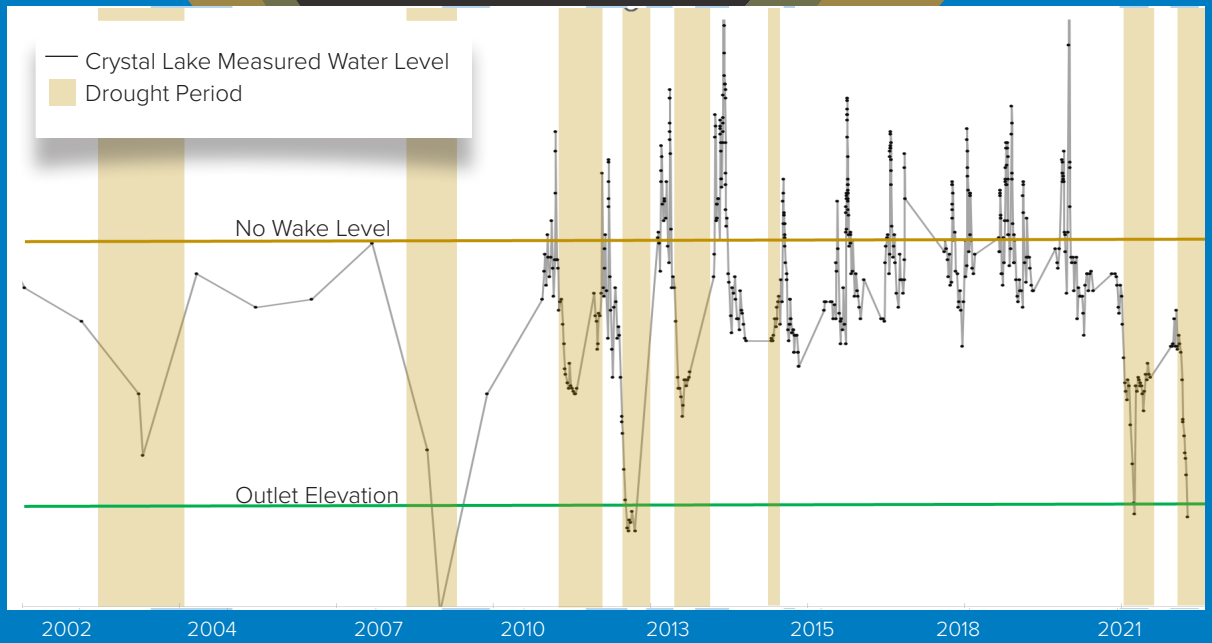
Note: The outlet elevation was set by the DNR in 1970 based on historic water levels, impacts to ecology, and flood potential

WHAT THIS MEANS

With a wider outlet, water flows out of the lake quicker at high water elevations. However, water stops flowing out of the lake once it has reached the same water elevation. The improvements to the outlet are designed to regulate water quicker but will not affect water levels.

HISTORICAL CRYSTAL LAKE WATER LEVELS

Because Crystal Lake is fed by stormwater runoff from the surrounding area, in times of drought the lack of rainfall causes the lake level to drop. The lake level rises again when rains return.



FOR MORE INFORMATION

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Project updates will continue to be available on the City's website.

