Frog Mortar Creek Swimming Advisory

Lockheed Martin has conducted surface water monitoring in trog Mortar Creek by Martin State Airport six times each year since 2012. This includes the summer season of June July August and September near the western Frog Mortar Creek shoreline; four samples were collected from the eastern shore near Luwards Lane in June 2021. Due to the improved water quanty, surface water

2021 marks the fourth summer season during which the groundwater treatment system at Martin Stat. A Jimort captures and treats contaminated groundwater before it reaches Frog Mortar Creek. Chemi concentrations of chlorinated volatile organic compounds (CVOCO signification triablaronthanient, c. 1-1, dichlaronthoen and vinyl chloride

summer seasons, before the start of the water treatment.

In the 2019 sungs, in Shipings, was a sungs of the sungs concentrations, and only in June. No CVOCs were detected in samples collected in July, August, and Septemblion in the 200 former reason of VOV were adetected in the oversamples, at very lew concentrations, and only in August. No CVOCs detected in any sample collected during the 2021 summer season.

The current New CyoCs do not warrant prohibiting swimms r to the Mortar Creek However, the iviaryland Department of the Environment (IVIDE), in the 2012 swimming more than four hours a day, we day a year and a same a s airport providing advice to limit swimming in the advisory area marked on the accompanying graph. At the time MDE established this advisory, it was con-s conservative approach to lowering potential health risks. With the significant reduction Lockheed Martin will was with

What are the prima primary and the primary and

Trichloroethene (TCE) was a common s in the ca for of can break down own time is time is 1,2-unemorocurene and vinyr emoride.

Where did the contaminants come from?

Solvents and degreasers were used in factors. companies located in Middle River. These chemicals have been found in the Dump Road Area or Martin State Airport, in Frog Mortan Freek, and in an underground plume of contaminated groundwater being cleaned by the groundwater treatment system at the airport. Martin State Airport ringalla hyberongete to a Gloren In Mortin Green pane, a Lockheed Martin heritage con Lockheed Martin has been investigating groundwater treatment sys 382 1 2017 and since then has been intercepting a

before it reaches the creek.

No. According to the Maryland Department of the Environment, the contam

in these chemicals

. The groundwater treatment plant cantures and treat groundwater before it reaches Frog Wortar Creek. An array of sixteen the airport extracts ground The ground treatment plant is located between rog wortar

FIG. STEER

before being discharged to

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in the advisory area in the sure