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# Big Water Test Data

Liquid Trans Hydro Mini  
Pond With Vegetation  
Mount Airy, Maryland  
May 2004

# Facts & Figures...

- During May 2004, Larry Davis, VP of GBW Associates, LLC led a series of performance tests and operational demonstrations on the Liquid Trans Hydro Mini. This presentation is a brief summary of a test involving the use of the Mini in a pond where past drafting operations were impeded by vegetation.
- The test was conducted in Mount Airy, Maryland where the Mini was deployed at a pond and supplied a small master stream device to assess whether or not the pump would get clogged by vegetation.
- The Mini pumped for over 10-minutes without issue while the traditional pumpers clogged in just a couple of minutes.
- The reason the Mini did so well is that it does not develop a vacuum because the pump is in the water.



# Overview of the Pond



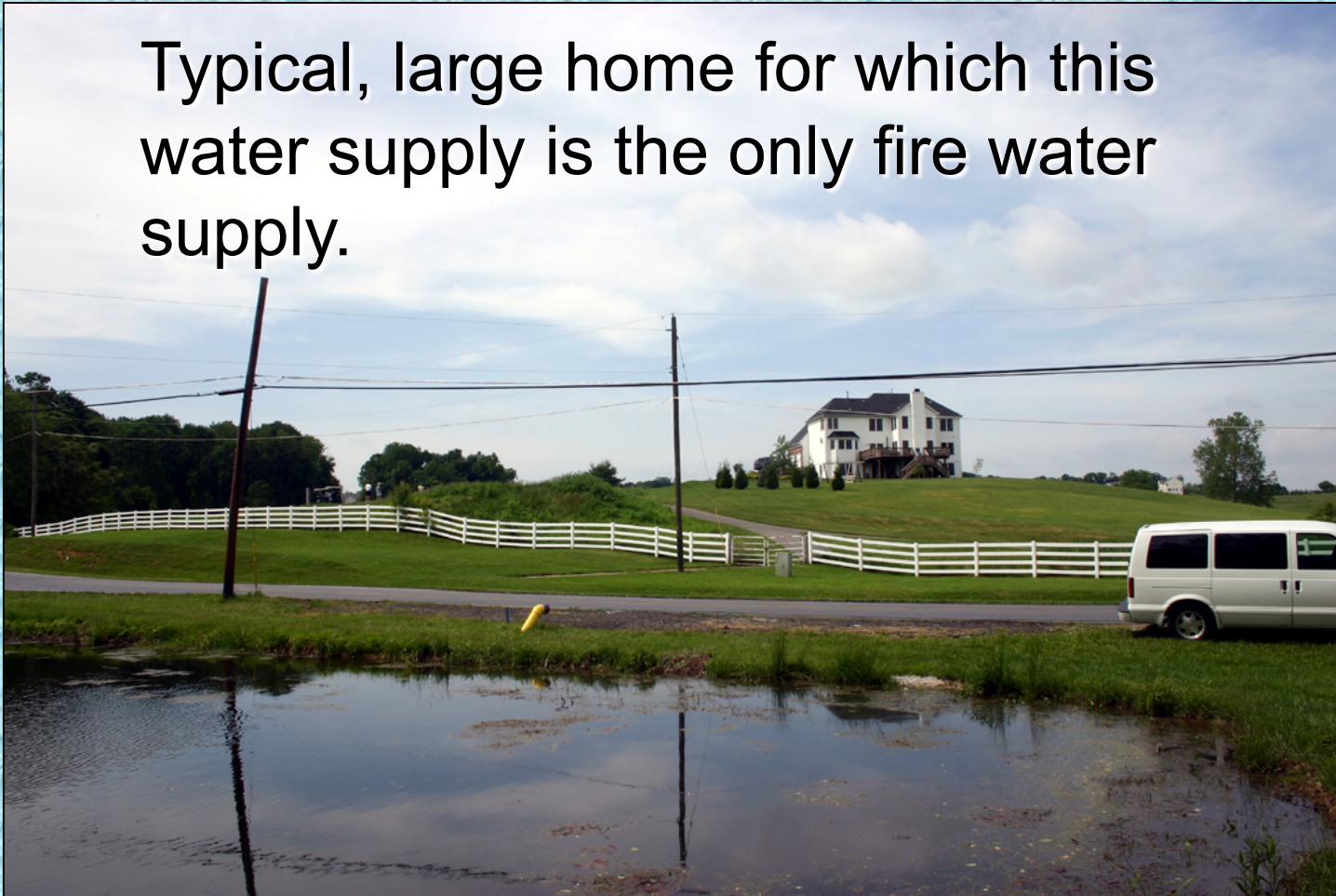
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# Water Supply

Typical, large home for which this water supply is the only fire water supply.





# Overview Looking East





# Dry Fire Hydrant





# Vegetation

Heavy vegetation in May becomes even greater during the summer months.





# Heavy Vegetation



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# Normal Operation

At a water supply drill, three pumpers used floating strainers for their drafting operations.





# A Clogged Strainer



Floating strainer as it should look compared to one which has been plugged by vegetation - which actually collapsed the strainer, making it useless





# Testing the Mini

Setting up under darkness.





# Deploying the Mini



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# Mini is Set Up to Feed a Blitzfire



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# Mini Pumping

Mini's pump setting in vegetation supplies portable monitor through 50 feet of 3" hose





# TFT Blitzfire in Operation



Portable monitor supplied by Mini



# No Clogging !

After 10 minutes of operation, the Mini's pump was removed to check for vegetation. Because the pump does not work under vacuum, the strainer was clear of any vegetation







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