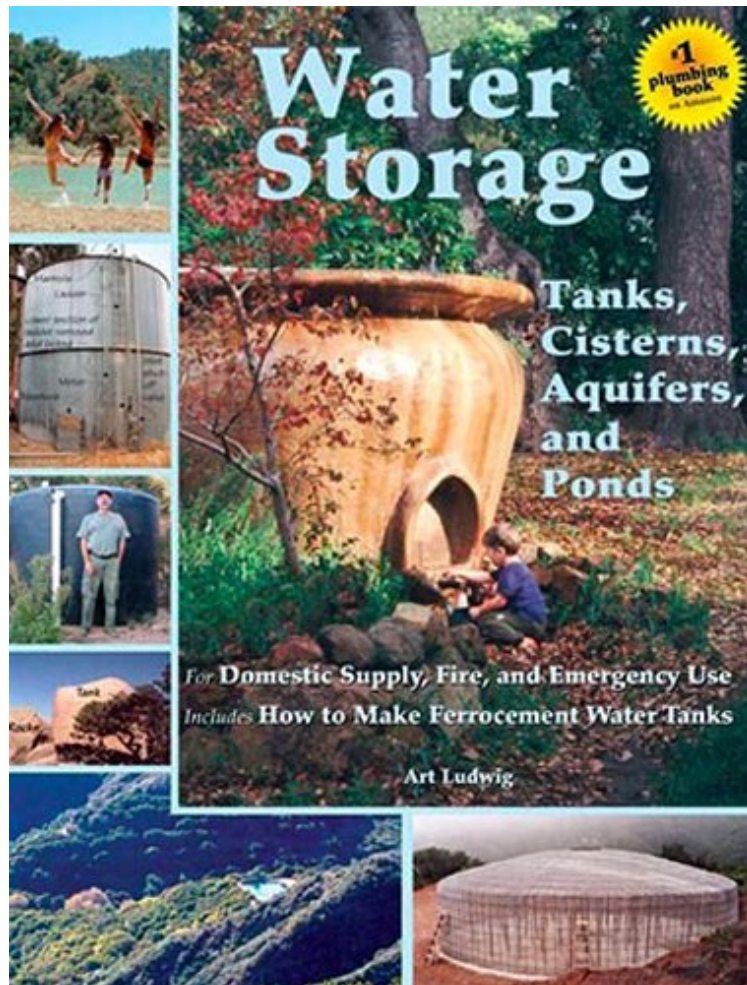


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# Water Storage: Tanks, Cisterns, Aquifers, and Ponds for Domestic Supply, Fire and Emergency Use--Includes How to Make Ferrocement Water Tanks

Art Ludwig

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**Art Ludwig : Water Storage: Tanks, Cisterns, Aquifers, and Ponds for Domestic Supply, Fire and Emergency Use--Includes How to Make Ferrocement Water Tanks** before purchasing it in order to gage whether or not it would be worth my time, and all praised Water Storage: Tanks, Cisterns, Aquifers, and Ponds for Domestic Supply, Fire and Emergency Use--Includes How to Make Ferrocement Water Tanks:

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This do-it-yourself guide is an invaluable resource for designing, building, and maintaining water tanks, cisterns, and ponds, and sustainably managing groundwater storage. It will assist you with handling your independent water system, fire protection setup, and disaster preparedness plan, while keeping costs low and incorporating ecologically sound designs. It also includes building instructions for several styles of ferro-cement water tanks.

A guide to water systems that explores every facet of designing water resources wisely, efficiently, and in concert with nature. -- Richard Freudenberger, Executive Editor, Back Home Magazine All sorts of alternatives to your standard plastic water tank, accessible by anyone from homeowner to builder to civil engineer. -- Amy Wynn, Builders Books source If you run a water system, for a weekend shack or a whole community, you need this book! -- Doug Pratt, Real Goods Technical Editor On average water systems, this book will pay for itself a hundred times over in errors avoided and maintenance savings. -- Zane Satterfield, P.E., National Drinking Water Clearinghouse Practical design solutions, comprehensive illustrations, and plenty of photos a thorough treatment of a topic that's vital to our survival. -- Claire Anderson, Home Power Magazine, Mother Earth News From the Publisher Water Storage describes how to store water for home, farm, and small communities. It will help you design storage for just about any use, including fire safety and emergency, in just about any context urban, rural, or village. This book includes: General principles to help you design, construct, and use any water system A look at common mistakes and how to avoid them How the different kinds of storage can serve you tanks, groundwater, and ponds How to determine the optimum amount of storage for your needs How to determine the best shape and material for your storage How to manage aquifers sustainably for inexpensive storage of water in the ground Plumbing details for inlets, outlets, drains, overflows, access, etc. storage accessories and gadgets such as automatic shut-off valves, remote Level indicators, ozonators, and filters How to build your own high-quality tank from ferrocement Original design innovations published here for the first time to improve the quality of stored water, increase water security, make maintenance easier, and reduce environmental impacts Real-life examples of storage designs for a wide range of contexts This book offers underlying design principles as well as design specifics. If you run into a situation not specifically covered, there's a good chance you'll be able to use these general principles to figure it out yourself. Installed water storage typically costs fifty cents to three dollars or more a gallon (\$60-200/m<sup>3</sup>). If you've got this book in your hands, you're probably on the verge of making decisions about hundreds or thousands of dollars worth of storage. On an average water system, this book could pay for itself a hundred times over in savings on construction and maintenance. Most of the information otherwise available on water storage comes from vendors. Oasis Design doesn't sell water storage hardware, so you don't have to worry about being steered towards stuff you don't need. Rather, we make our living by providing information to help people have a higher quality of life with lower impact. From the Back Cover What you need to know to design and build water storage of any kind. Water Storage shows how to make your storage--and your entire water system--perform better. It will help make your access to clean water more secure. You'll learn what kind of storage will serve you best--tanks, ponds, groundwater; how much storage you need, where to install it, how to properly plumb it, which accessories would benefit your home, farm, or community, and how to sustainably manage your aquifer. Water Storage includes original design innovations, real-life examples, and complete instructions for constructing tanks from ferrocement.