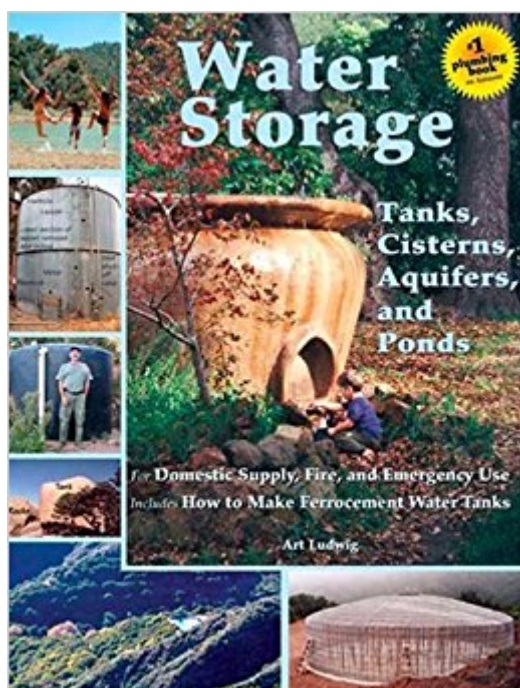


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# Water Storage: Tanks, Cisterns, Aquifers, And Ponds For Domestic Supply, Fire And Emergency Use--Includes How To Make Ferrocement Water Tanks



## Synopsis

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.

## Book Information

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## Customer Reviews

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  
sourceIf 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

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&#x97;urban, rural, or village. This book includes: &#x95;General principles to help you design, construct, and use any water system &#x95;A look at common mistakes and how to avoid them &#x95;How the different kinds of storage can serve you&#x97;tanks, groundwater, and ponds &#x95;How to determine the optimum amount of storage for your needs &#x95;How to determine the best shape and material for your storage &#x95;How to manage aquifers sustainably for inexpensive storage of water in the ground &#x95;Plumbing details for inlets, outlets, drains, overflows, access, etc. storage accessories and gadgets such as automatic shut-off valves, remote &#x95;Level indicators, ozonators, and filters &#x95;How to build your own high-quality tank from ferrocement &#x95;Original design innovations&#x97;published here for the first time&#x97;to improve the quality of stored water, increase water security, make maintenance easier, and reduce environmental impacts &#x95;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.

This has way more information than I will use personally but for the person who does need it, it is all there! I love to see information and knowledge broken down so easily that the common person can use it. Thank you!

I saw an ad for this book that included a set up that involved catching rainwater in two trashcans. I loved the set up and immediately ordered the book... book arrives, tons of plans for rainwater catching, and NONE of those plans are the one plan that I saw and liked!? What gives? Oh well, I did learn some amazing techniques from this book and will likely use one of their designs, so it isn't a total loss.

This is like taking a community college class on water storage. He really knows his stuff. Parts of it read like a textbook, but sometimes you need that.

So much information , so little time. I wish I had the funds and skill necessary to use this information.

informative with excellent diagrams and information. Wastes some time yapping about code though.

Aside from the stated purpose of decorative water storage, book contains detailed /useful descriptions of proper tank construction. -Good engineering.

Very helpful guidance we're finding in this volume. We live out on the Colorado plains with very little water other than a deeply drilled well (which is naturally salty and carries methane and benzene gasses with it!) So building a water storage facility to capture the occasional rain and snow melt is critical. This book promises to be helpful and provide a choice of methods.

Excellent book on the subject. Lots of detailed info so you can actually DIY. And I need this info.

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