## Sandbagging 101

Sandbagging is a seasonal ritual in flood-prone cities and towns. In places like Fargo, N.D., up to 3 million bags are filled, readied and made into levees according to methods developed for saving lives, homes and property. Here's a look at how it's done.



Most sandbags are made of woven polypropylene and are 14 inches wide and perhaps 2 feet deep. They're usually filled about halfway with sand or clay and tied or stapled. They weigh about 35 pounds.



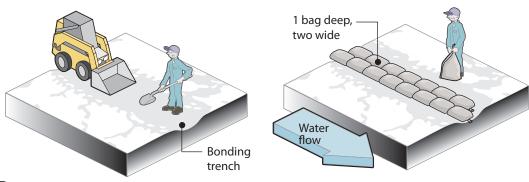
2 FILLING BAGS

It usually takes two people to fill one sandbag. Crews often use funnels (like the one shown), but mass production sometimes involves conveyors and chutes.





Site preparation begins with scraping away ice, snow and topsoil, if possible. A shallow trench sometimes helps hold the levee in place.



THE LEVEE

Levees are usually built at least a



The U.S. Army Corps of Engineers recommends that a levee have a base three times wider than its height. Other sources say a 1:2 ratio is adequate for a solid levee. Bags are staggered, like bricks in a wall. The

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