



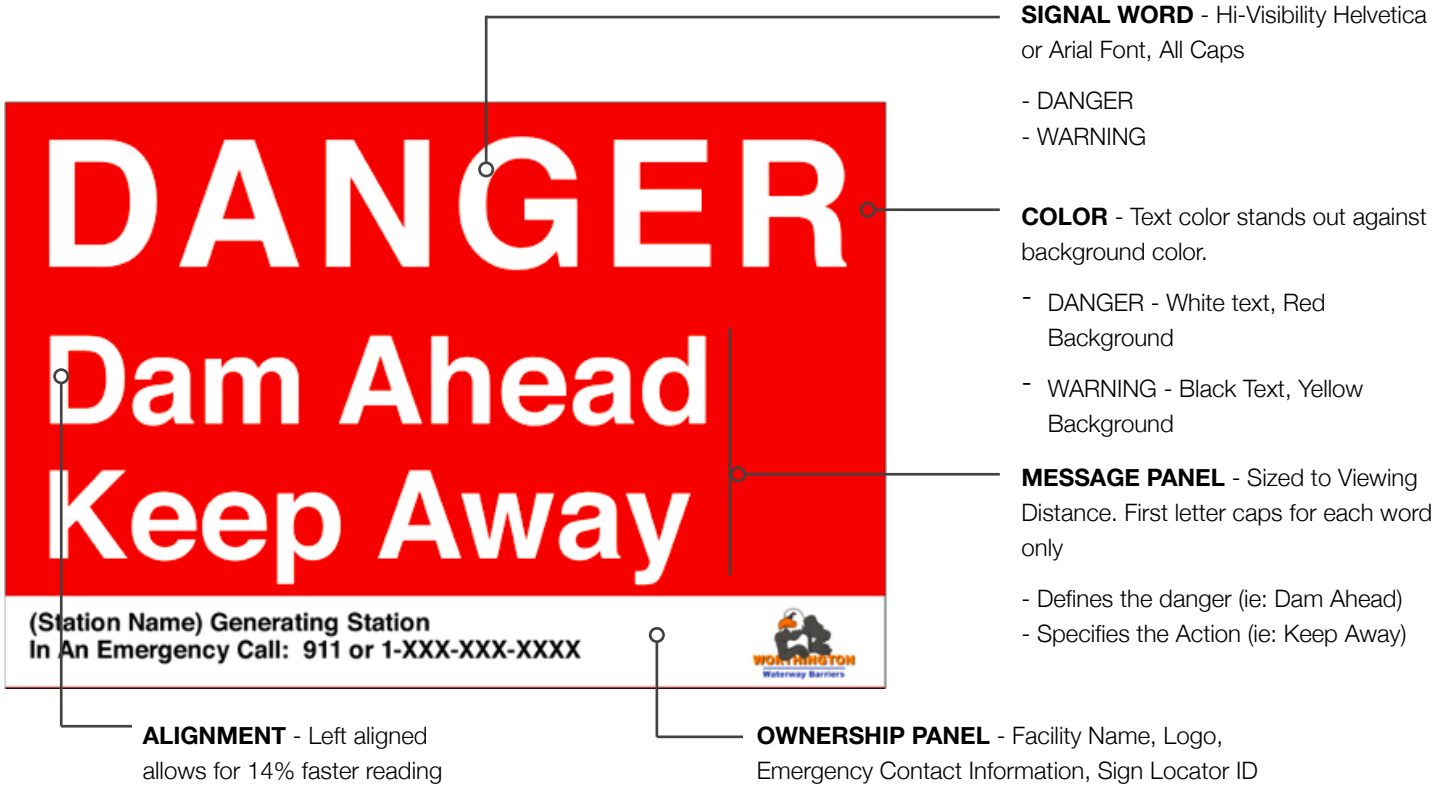
**Headpond**  
**Canoe/Kayak Portage**  
**Spillgates**  
**Tailrace/Spillway**  
**Rising Waters**  
**Low Head Dams**

Signage is a first line of defense to warn the public about the dangers of water intakes, open spill gates, turbulent water and more. Properly executed, signage is an effective mitigation tool to safeguard the public, reduce risk, and lower exposure to liability.

Done poorly, signage can be confusing, ineffective, and potentially expose dam owners to greater scrutiny and liability.

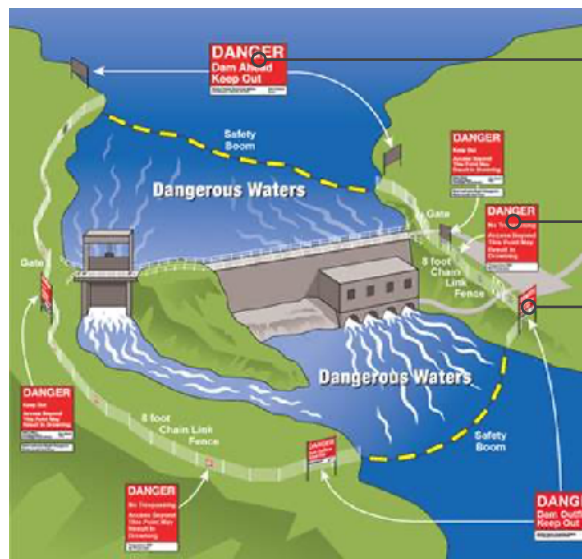
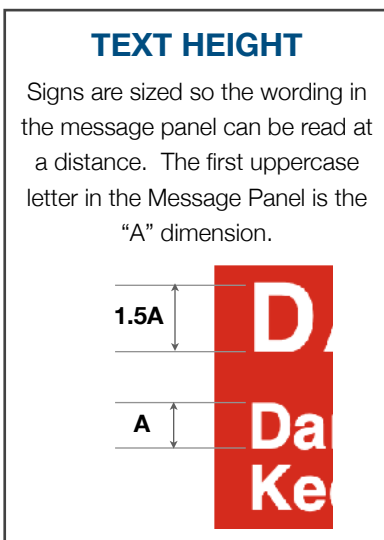
Worthington's team of seasoned advisers understands signage specifically for dam owners. We adhere to the leading best practices for safety signage around dams. Our team can guide you on placement, size, color, wording, materials and more for a single dam location or as part of a corporate signage program.

## Elements of a Worthington Dam Sign



## General Sizing Guidelines

Actual sizes are based on risk factors including severity of consequences, approach speed, viewing distances, message text height, angle, lighting, etc.



**UPSTREAM FACING** - Sized to Viewing Distance & Speed. 4ft x 6ft, 8ft x 12ft, 10ft x 20ft and larger.

**LAND FACING** - Sized to Viewing Distance & Speed. 1ft x 2ft, 2ft x 4ft.

**DOWNSTREAM FACING** - Sized to Viewing Distance & Speed. 4ft x 6ft, 8ft x 12ft, 10ft x 20ft and larger.



## Standard Sign Inventory - Type I

Designed for greater viewing distance. Simple text for maximum distance and quick read time. Type-I signs feature 2-lines of message text. Line 1 answers the question of what is the danger (eg: Dam Ahead). Line 2 defines what action is required (eg: keep out).

### Headpond Signs



### Tailrace/Spillway Signs



HEIGHT	LENGTH	"A" DIMENSION	SAFE VIEWING DISTANCE
4'-0"	6'-0"	7.3"	255 FT
6'-0"	9'-0"	11.1"	383 FT
8'-0"	12'-0"	14.8"	511 FT
10'-0"	15'-0"	18.5"	639 FT
16'-0"	24'-0"	29.6"	1023 FT
20'-0"	30'-0"	37.0"	1280 FT

## Standard Sign Inventory - Type II

Faces away from water towards land where viewing distance may be close and reaction time extended. Because of the increased wording on type-II signs, the viewing distance compared to a similarly sized Type-I sign is reduced by roughly 50%. The first line of message text in type-II signs combines the definition of the danger (eg: Dam Ahead) with the action (eg: Keep Out). The next section of message text generally defines the risk (eg: Access Beyond This Point May Result In Drowning).

### Headpond Signs

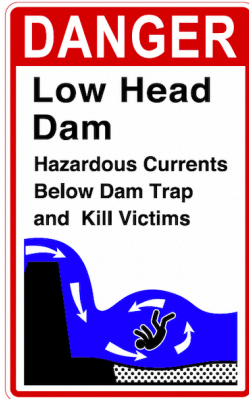


HEIGHT	LENGTH	"A" DIMENSION	SAFE VIEWING DISTANCE
4'-0"	6'-0"	3.5"	124 FT
6'-0"	9'-0"	5.4"	187 FT
8'-0"	12'-0"	7.2"	249 FT
10'-0"	15'-0"	9.0"	311 FT
12'-0"	18'-0"	10.8"	374 FT
16'-0"	24'-0"	14.4"	500 FT

### Tailrace/Spillway Signs



## Low Head Dam Signs

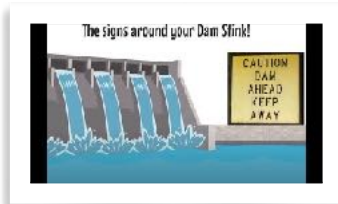


## Pictographs & Symbols

Enhance sign effectiveness with pictographs & symbols



Discover more with these informative videos (Click to open or visit [www.youtube.com/c/Tuffboom](http://www.youtube.com/c/Tuffboom))



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