

B. Boating Safety



SIGN:

Dam

COMMENT:

Pontoon style buoy.
Safety orange color.
Proper placement.
Proper use of the
USWMS standards for
signage. Boat barrier
cable may be used as
handhold in emergency.

RECOMMENDATION:

The USWMS is being
merged with the U.S. Aids To
Navigation System - see
<http://www.boatsafe.com/nauticalknowhow/uswms.htm> for
details. This symbol will not
be affected.

B-1



SIGN:

Danger Dam

COMMENT:

Unlighted warning buoy.
Conforms to USWMS
guidelines for
color and symbols.

RECOMMENDATION:

The USWMS is being
merged with the U.S.
Aids To Navigation
System - see
<http://www.boatsafe.com/nauticalknowhow/uswms.htm> for details. This
symbol will not be
affected.

B-2



B-3

SIGN:

Dam Ahead

COMMENT:

Unlighted warning buoy. Conforms to USWMS guidelines for color and symbols. Person in water can grasp base of buoy in case of emergency.

RECOMMENDATION:

None.



B-4

SIGN:

Danger Dam

COMMENT:

Pontoon style boat barriers set well upstream of dam. Cables exclude boats and may be used as emergency handhold for people in water. Pontoons are placed evenly across wide channel.

RECOMMENDATION:

None.



SIGN:

Boats Keep Out

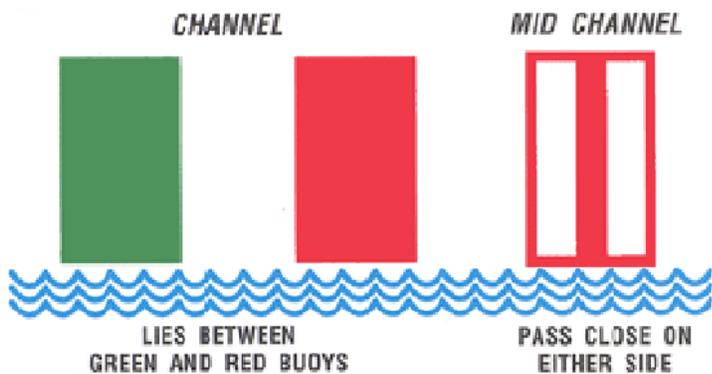
COMMENT:

Lighted warning buoy with stabilizing weight. Uses USWMS symbol for warning.

RECOMMENDATION:

None.

B-5



SIGN:

No Text

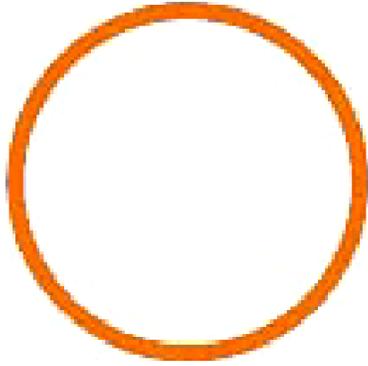
COMMENT:

Examples of the three types of channel markings used in navigable waterways. These are national standard patterns used by the USCG and other federal agencies.

RECOMMENDATION:

The USWMS is being merged with the U.S. Aids To Navigation System - see <http://www.boatsafe.com/nauticalknowhow/uswms.htm> for details. This symbol may be affected.

B-6



**CONTROLLED
AREA**

B-7

SIGN:

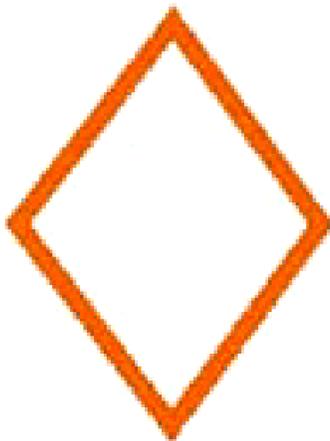
Controlled Area

COMMENT:

Standardized USWMS symbol indicating controlled area. This symbol is used in safe boating classes and is readily recognized by boaters.

RECOMMENDATION:

The USWMS is being merged with the U.S. Aids To Navigation System - see <http://www.boatsafe.com/nauticalknowhow/uswms.htm> for details. This symbol will not be affected.



DANGER

B-8

SIGN:

Danger

COMMENT:

Standardized waterway marking system symbol indicating danger. This symbol is used in safe boating classes and is readily recognized by boaters. The symbol may be used on buoys or signage.

RECOMMENDATION:

The USWMS is being merged with the U.S. Aids To Navigation System - see <http://www.boatsafe.com/nauticalknowhow/uswms.htm> for details. This symbol will not be affected.



**BOATS
KEEP OUT**

SIGN:

Boats Keep Out

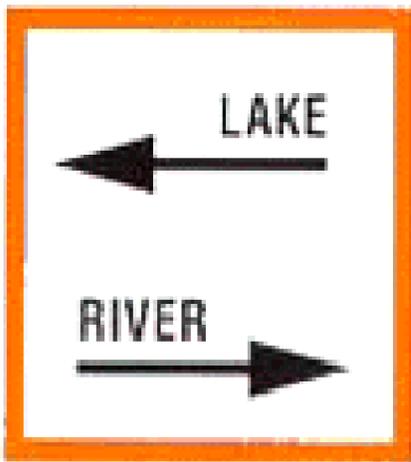
COMMENT:

Standardized USWMS symbol indicating a prohibited area. This symbol is used in safe boating classes and is readily recognized by boaters. The symbol may be used on buoys or signage and is often used to indicate a dam ahead.

RECOMMENDATION:

The USWMS is being merged with the U.S. Aids To Navigation System - see <http://www.boatsafe.com/nauticalknowhow/uswms.htm> for details. This symbol will not be affected.

B-9



INFORMATION

SIGN:

None

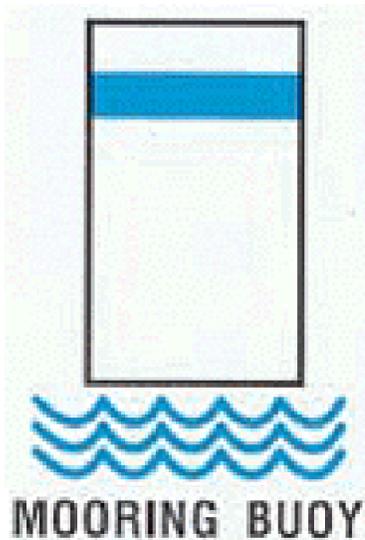
COMMENT:

Standardized USWMS symbol indicating information. This symbol is used in safe boating classes and is readily recognized by boaters. The symbol may be used on buoys or signage and is often used to indicate portage routes.

RECOMMENDATION:

The USWMS is being merged with the U.S. Aids To Navigation System - see <http://www.boatsafe.com/nauticalknowhow/uswms.htm> for details. This symbol will not be affected.

B-10



B-11

SIGN:

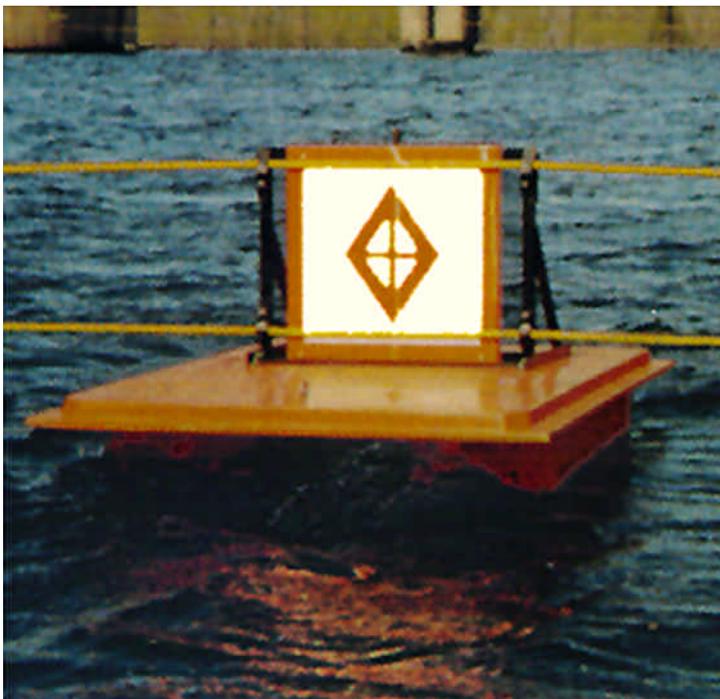
No Text

COMMENT:

Standardized USWMS symbol indicating a mooring. This symbol is used in safe boating classes and is readily recognized by boaters. The symbol is often used on buoys in marinas or other highly utilized boat areas.

RECOMMENDATION:

The USWMS is being merged with the U.S. Aids To Navigation System - see <http://www.boatsafe.com/nauticalknowhow/uswms.htm> for details. This symbol will not be affected.



B-12

SIGN:

No Text

COMMENT:

Pontoon style boat barrier using the USWMS symbol to prohibit boats. Cable setup prevents turning of buoy in current, boat passage, and can provide a handhold for a swimmer in an emergency. Use of contrasting colored cable or rope can add to visibility.

RECOMMENDATION:

None.



B-13

SIGN:

Warning Dam
Downstream

COMMENT:

Good placement near
boat ramp. Coloration
distinct from
background.

RECOMMENDATION:

None.



B-14

SIGN:

Warning Dam
Downstream

COMMENT:

Effective use of red
warning coloration with
black text. Sign is in
good condition.

RECOMMENDATION:

None.



B-15

SIGN:

Warning...

COMMENT:

Sign placement at entry point assures exposure. Trash receptacle placement also emphasizes signs increasing effectiveness.

RECOMMENDATION:

Straighten second sign and determine if height is appropriate to potential audience (car, truck, pedestrian).



B-16

SIGN:

Caution Hidden Hazards...

COMMENT:

Conveys information on non-obvious safety issues at site. Placement after gate, along access road increases visitor exposure to information.

RECOMMENDATION:

A sign border and increased size may increase effectiveness.

BOAT RAMP
LOADING & UNLOADING ONLY
NO SWIMMING OR WADING
NO STOPPING OR STANDING

SIGN:

Boat Ramp Loading and Unloading Only No Swimming or Wading No Stopping or Standing

COMMENT:

Avoid conflicting uses causing a dangerous situation by stating which activities are or are not allowed at a site.

RECOMMENDATION:

Adjust border to be proportionate to text before finalizing sign.

B-17

COURTESY DOCK
LOADING & UNLOADING ONLY
NO DIVING
NO FISHING
NO SWIMMING

SIGN:

Courtesy Dock Loading and Unloading Only No Diving No Fishing No Swimming

COMMENT:

Avoid conflicting uses causing a dangerous situation by stating which activities are or are not allowed at a site.

RECOMMENDATION:

Text is fine for initial layout, but should be aligned left or centered. Border needs to be proportional to text.

B-18



SIGN:

Warning Submerged Hazard Keep to Center of Channel

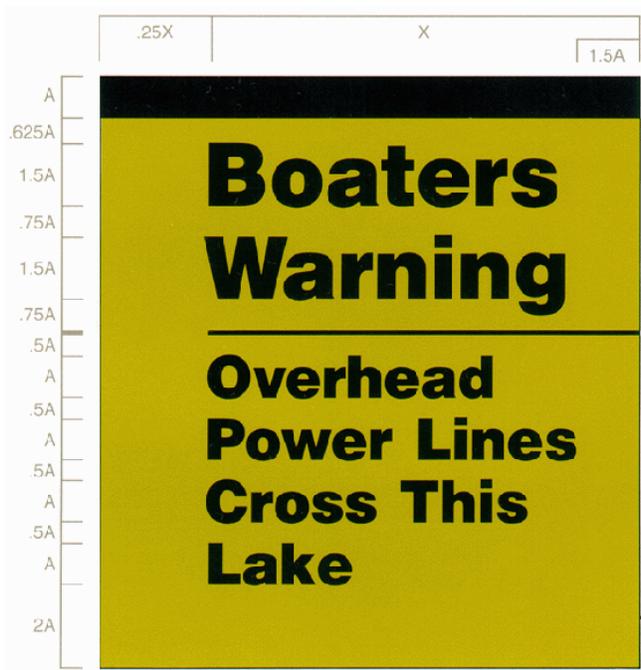
COMMENT:

Incorporates borders, divider line, and grouped text to increase effectiveness. States level of risk, identifies the safety concern, and gives avoidance instructions.

RECOMMENDATION:

None.

B-19



SIGN:

Boaters Warning Overhead Power Lines Cross This Lake

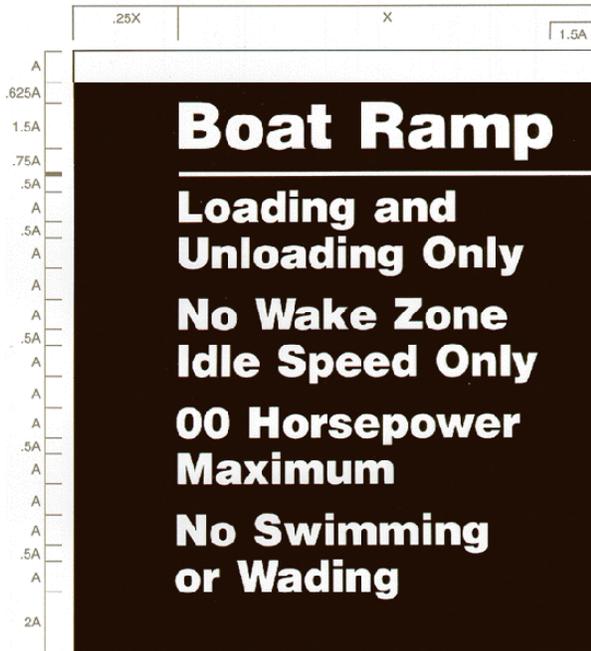
COMMENT:

USACE style warning sign. Incorporates upper and side borders, divider line, and grouped text to increase effectiveness. Identifies potential hazard and affected viewers. Notes on left and top of sign show proportion/scaling design information according to USACE guidelines (see appendix A).

RECOMMENDATION:

Add minimum line clearance to sign legend.

B-20



B-21

SIGN:

Boat Ramp Loading and Unloading Only No Wake Zone Idle Speed Only 00 Horsepower Maximum No Swimming or Wading

COMMENT:

Good sign for boat ramp entrance. Identifies both acceptable and prohibited activities in addition to limitations. Notes on left and top of sign show proportion/scaling design information according to USACE guidelines (see appendix A).

RECOMMENDATION:

None.



B-22

SIGN:

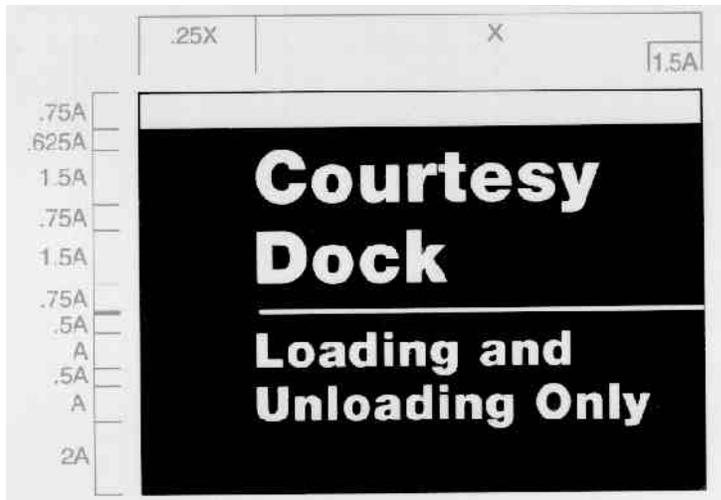
Caution No Wake Zone Within 00 Feet of Shoreline Idle Speed Only

COMMENT:

Coloration conforms to USACE standard. Identifies prohibited activities in addition to limitations. Notes on left and top of sign show proportion/scaling design information according to USACE guidelines (see appendix A).

RECOMMENDATION:

None.



SIGN:

Courtesy Dock Loading and Unloading Only

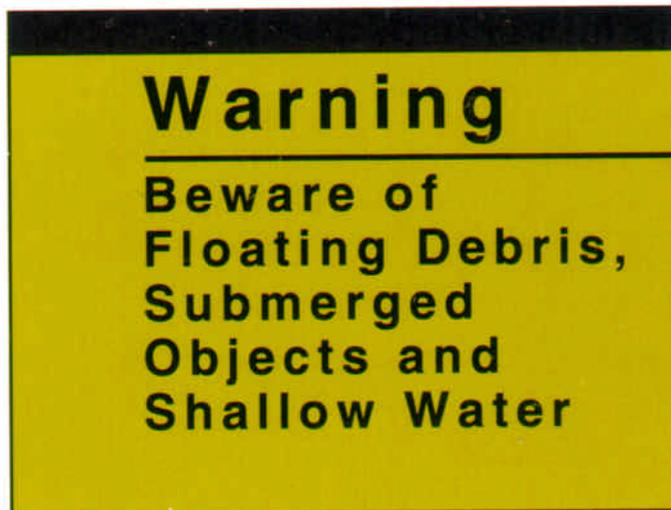
COMMENT:

Good example of informational signage. Notes on left and top of sign show proportion/scaling design information according to USACE guidelines (see appendix A).

RECOMMENDATION:

None.

B-23



SIGN:

Warning Beware of Floating Debris Submerged Objects and Shallow Water

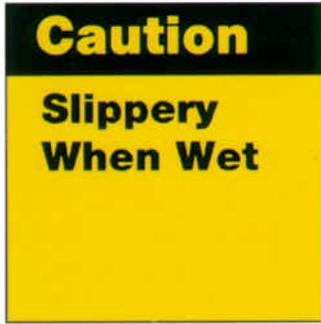
COMMENT:

Indicates level of risk and possible hazards to boaters.

RECOMMENDATION:

None.

B-24



SIGN:

Caution Edge of Sill
Keep Back 00 Feet /
Caution Slippery When
Wet

COMMENT:

Identifies non-obvious
potential hazards and
avoidance actions at or
near facility.

RECOMMENDATION:

None.

B-25