

# Selected Portions of the United States Army Corp of Engineers Sign Standards Manual

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This document is available as publication EP 310-1-6A and EP 310-1-6B (two volumes) and is available at no cost. Contact the USACE via its web site (see section VI.B) to request these documents. Make sure to request all updates when ordering this document, as there have been several updates to the manual.

(Note: Numbers/letters in parentheses indicate the original section in the USACE manual)

The signs illustrated in this section, along with the symbol signs shown in Section 8, represent the majority of the signs which will be used on a Corps recreation area. This group of signs has a variety of purposes and applications. They outline fees charged, hours of operation, services available, and procedures to be followed when launching a boat, using a dump station or reserving a picnic shelter. This diverse group of signs is brought together through visual consistency: color, typography, border treatment, and panel layout, as illustrated on page 7.2.

This section has been divided into the basic functional areas: entrance station, campground, picnic area, swimming area, and boat launch ramp. Each of these subsections has a schematic diagram of the respective area showing generic locations for the signs relating to that facility. Shown on the diagrams, but not included in this section, are the necessary Traffic signs (Section 9), Directional signs (Section 6), and Identification signs (Section 5). In addition, there is a display and explanation of Safety signs and signs for hours of operation.

The legends used on these signs have been carefully developed, reviewed, and approved for nationwide use. The purpose of developing a uniform system is twofold: to establish a uniform look for signs at all Corps projects and to reduce costs. The system discourages costly, one-of-a-kind signs. However, should the need occur for a sign not displayed in this section, there are grids provided on pages 7.35-37 for layout purposes. Consult the District/Division Sign Program Manager for ordering procedures. It is important that special application signs follow the format outlined in this section. Non-conforming signs dilute the strength of the system as a whole.

This section serves as a catalog of recreation signs. All options—legend size, substrate, graphic application, and mounting—are described in the sign code, displayed in the matrix beneath each illustration. Legend sizes have been chosen for viewing from a vehicle moving at slow speeds or by pedestrians. The panel size for each legend size is fixed. Should local conditions require a different legend size, any given sign can be fabricated at a different scale using the dimensions shown next to the display of the sign.

Each catalog page has an illustration showing available mounting methods and corresponding mounting heights. The dimensions shown adjacent to the illustrations specify the distance from the ground to the bottom of the sign panel (except for pages 7.12-14, which show the distance to the top of the panel. Embedment depth and the required post length are not shown. These dimensions will vary with location, soil density, and local frost line conditions. Refer to Design Criteria in Appendix B, or consult a project engineer for proper post embedment depth.

Typography for all signs is Helvetica Bold, upper and lower case, initial capitals only. Letter and word spacing are to follow standards outlined in Section 4. Sign color for signs with recreation applications in recreation areas (except for Danger, Warning or Caution signs) is Corps Brown background with white typography and border (see page 4.11). Caution and Warning signs are lemon yellow background with black typography and border. Danger signs are red background with white typography and border (see page 4.14). Though they are rarely used in recreation areas, Waterway Information/Instruction signs are white with medium blue typography and border.

The basic difference between Recreation Area signs and Waterway signs is that the latter are generally viewed from the waterside, whereas Recreation signs are viewed from the land. Secondly, Recreation Area signs are used to identify and inform people on the use of facilities. Because the inherent dangers are less, there are fewer safety related signs. Waterway signs are predominantly used to communicate safety related information. Graphically, the main difference is that the legends on Waterway signs use Helvetica Medium typeface instead of Helvetica Bold as is used on Recreation Area signs. For Waterway signs refer to Section 14. A comparative illustration of safety sign types and applications is provided on pages 2.13-16.

Special applications or situations not covered in these guidelines should be referred to the District/Division Sign Program Manager.

The group of signs illustrated in this section is unified visually through the use of three common elements—typography, border, and panel layout—on three related formats.

Layout grids for the three formats shown below are illustrated on pages 7.35-37. All use Helvetica Bold typography as per Corps letter-spacing and word-spacing

**Top Border:** Equal to the basic grid unit A. It serves as an implied border.

**Headline:** Gives emphasis to a key word or words. The size of the headline type is 1.5A. Signs with a one-line headline use Grid 1; those with a two-line headline use Grid 2.

**Underrule:** All signs with headlines have a rule to separate the headline from the body copy. It is equal to .125A. The rule starts flush left with the type and extends to the right edge of the sign panel.

**Body Copy:** The bulk of the legend. Grid 3 has only body copy. The viewing distance of the sign is based on the height of the capital letters, A, of the body copy.

**Panel Size:** Based on two elements: the height of the capital letters of the legends, known as A, and the length of the longest legend line. Vertical dimensioning of the panel is based on A. Horizontal dimensioning is based on the length of the longest legend line plus 1.5A, which is referred to as X. The overall panel width is equal to 1.25X. There are four signs which are exceptions: the Campsite Fee sign (7.5), and the three Dumping Station signs (7.12-14). The panel width of these signs is 1.5X. The extra sign width allows for the placement of symbols in the left-hand margin.

When determining panel size, round off all calculations to the nearest .125".

**Typography:** Helvetica Bold, upper and lower case, aligned flush left on the grid. Letter- and word-spacing to follow typographic standards in Section 4.

**Color:** Informational signs in recreation areas have a Corps Brown background with white typography and rules, as shown on page 4.11. Safety related signs (Danger/Caution/Warning/Restricted) use the lock, dam, and waterway safety colors shown on page 4.14.

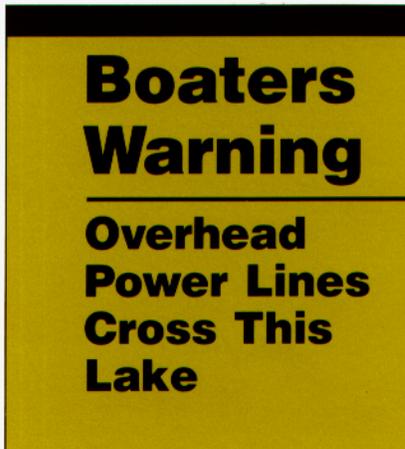
standards (see Section 4). The size of the sign panel is based on the length of the longest line of type. Grids 1 and 2 incorporate a headline and secondary descriptive body copy. The headline type is 1.5 times larger than the size of the body copy. Grid 1 has a headline with a single legend line; Grid 2 has a headline with two legend lines; Grid 3 has no headline. Viewing distance is based on

the size of the legend in the body copy, not the headline. To specify size of body copy, refer to the Viewing Distance Guide on page 2.6.

All signs shown in this section adopt these grid formats with the exception of the Opening Hours sign (page 7.31) which uses a special format.



Example: Grid 1



Example: Grid 2



Example: Grid 3

The diagrams below show fee and fee collection information sign placement for both attended and unattended entrances. The specific location will depend on the layout of and circulation in an actual site.

Because there are a number of signs concentrated around an entrance station, a few placement guidelines should be observed. Signs should be mounted so

that they are easily read from a motor vehicle, rather than by a pedestrian. Where there is an entrance station in a center island, fee and registration signs should be mounted on the driver's left side. Through traffic will use the right lane.

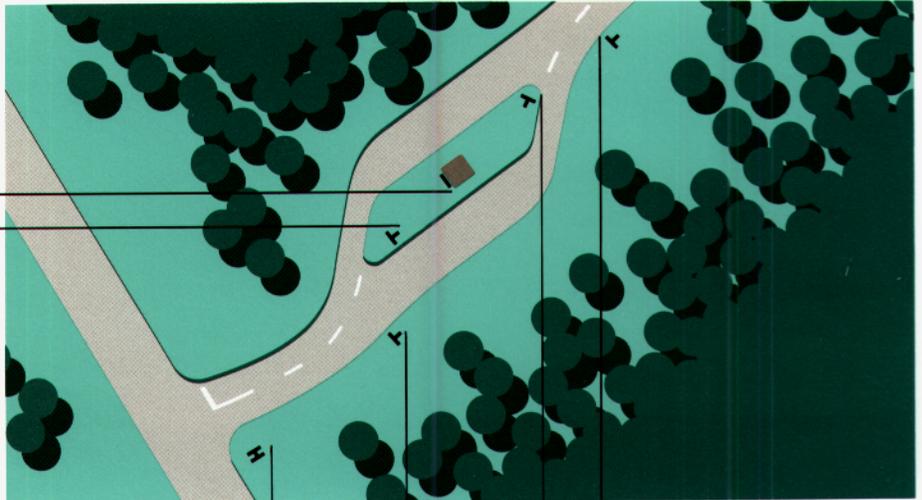
The second diagram shows the entrance to an unattended fee area. Fee and fee collection signs are to be placed on the

right side of the roadway. Careful consideration should be given to placing signs so that they can be seen, read, and understood before encountering another sign.

Additional signs which may be required for this area will include: Standard Identification (Section 5), Directional (Section 6), Prohibition (Section 8), Symbols (Section 8), and Traffic (Section 9).

**Campsite Fees**  
 May 15 - October 15  
 Campsite: \$0.00 per Night  
 Guests: \$0.00 per Day  
 14 Day Limit

**Campers**  
**Stop Here to Register**

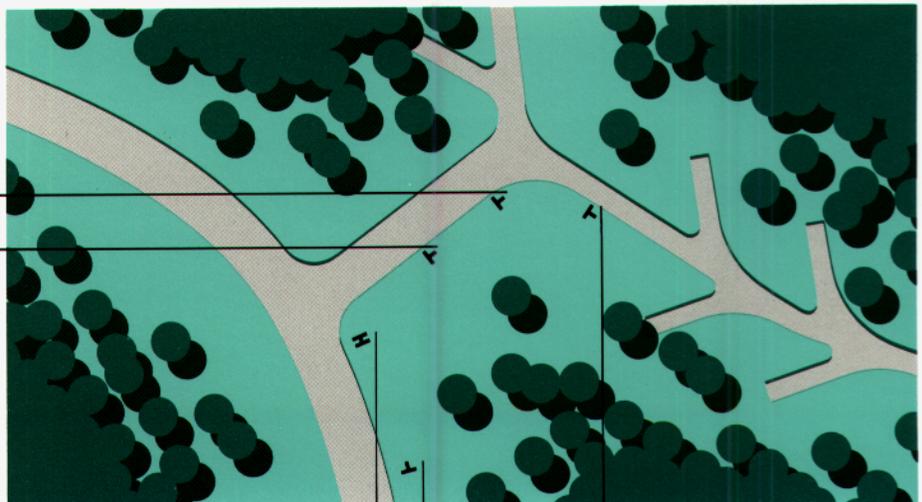


Standard Identification  
 Opening Hours  
 Traffic Control  
 Area Regulations

**Fee Collection**  
 1. Select campsite.  
 2. Fee will be collected by uniformed ranger on patrol.  
 3. Retain permit receipt and display at campsite.

**Campground Full**

**Campsite Fees**  
 May 15 - October 15  
 Campsite: \$0.00 per Night  
 Guests: \$0.00 per Day  
 14 Day Limit

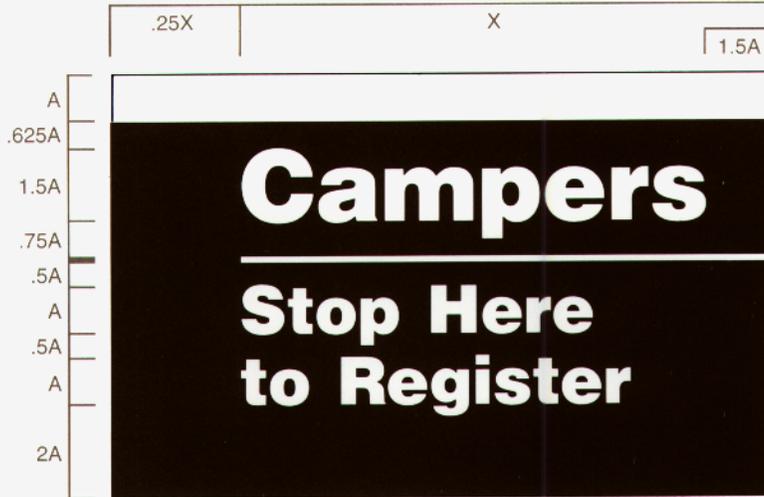


Standard Identification  
 Directional  
 Area Regulations

This sign is used at locations where campers are required to stop at the entrance station to register or obtain a permit. It is placed either adjacent to the entrance station, or along the approach road, slightly in advance of the entrance station. Its precise location will depend on the configuration of the area.

There are three sizes available. The smaller one is for placement on the entrance station, and the larger two are free-standing and ground-mounted on posts. The sign is fabricated from reflective sheeting on HDO plywood.

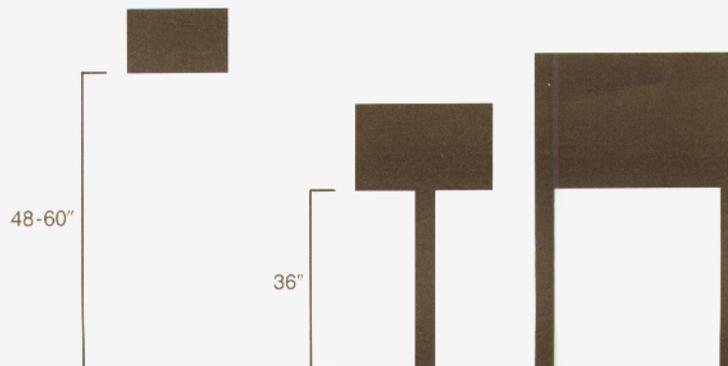
Underrule is .125A



\*The mounting height for the wall-mounted panel will vary according to design of entrance station building.

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
ENT-01	1.5"	21.125" x 13.5"	—	HDO-6	48-60"*	BR/WH
ENT-01	2"	28.125" x 18"	4" x 4"	HDO-5	36"	BR/WH
ENT-01	3"	42.25" x 27"	4" x 4"	HDO-3	36"	BR/WH

The illustration shows both wall mounted (HDO-6) and ground mounted (HDO-3 and HDO-5) signs.



The Campsite Fee sign shown below is used to inform the public that there is a fee for using the campsites, what that fee is, and the fee season (varies according to location). It also serves as the location to display the U.S. Fee Area symbol.

The sign is located on the entrance station or, if there is no entrance station, next to the Fee Collection sign (see p. 7.6).

The fee season, costs, and length of stay limits will vary from project to project. Indicate the applicable legends when ordering this sign type.

This sign is always made of reflective sheeting applied to HDO plywood. This allows the placing of a reflective sheeting patch over the prices, when the fees change.

There are four sizes available. The smallest is mounted on the entrance station. The three larger sizes are used in conjunction with ENT-03 on page 7.6 and are freestanding.

Reproduction art for the fee symbol is on page F.137

Note: "Eq" means equal

Underrule is .125A.

Fee Season: Indicate dates, if applicable.

Indicate campsite fee.

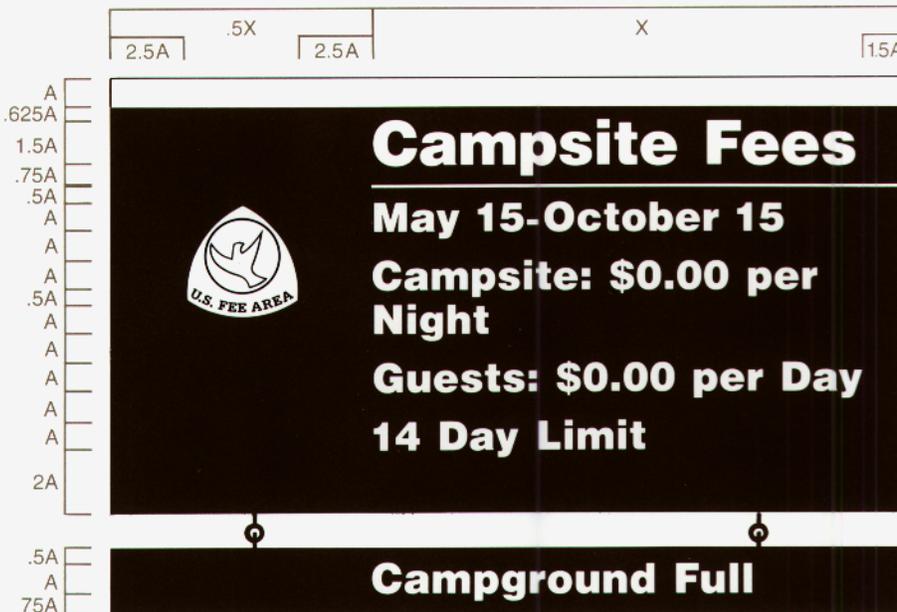
Optional legend: Indicate guest fee, if applicable.

Optional legend: Indicate limit of stay, if applicable.

Standard panel base.

Optional panel may be attached using hook and eye hardware. If panel is subject to removal by vandals, it can be mounted as per the specifications for HDO-3 or HDO-5 provided in Appendix B.

Fee listings with a range of prices should be placed on the sign panel in the format illustrated.



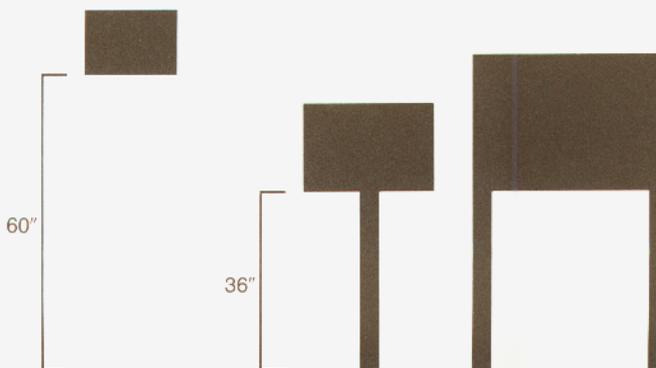
**Campsite: \$0.00-0.00 per Night**

Panel height varies depending on legends used. Panel height shown in matrix is for sign as illustrated above, without the "Campground Full" attachable panel.

\*Specify panel with 1" HDO plywood. All others use standard .75" material.

The illustration shows both wall mounted (HDO-6) and ground mounted (HDO-3 and HDO-5) signs.

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
ENT-02	.75"	19.5" x 11.25"	—	HDO-6	60"	BR/WH
ENT-02	1"	26.125" x 15"	4" x 4"	HDO-5	36"	BR/WH
ENT-02	1.5"	39.25" x 22.5"	4" x 4"	HDO-3	36"	BR/WH
ENT-02	2"	52.25" x 30"*	4" x 4"	HDO-3	36"	BR/WH



Where fees are charged at day use or other fee areas, the sign provided below should be clearly posted at the entrance to inform entering visitors of costs. Actual legend content may vary depending on local rules, fee season, and recreation area. The Grid 1 format as modified to include the fee symbol (page F.137) should be maintained at all locations.

The example shown below assumes that the fees are applicable all year round or that the sign is removed at the end of the season. If the sign will remain posted all year round but patrons will only be charged during the recreation season, an optional legend that includes the fee period should be added, see example on page 7.5 for Campsite Fees.

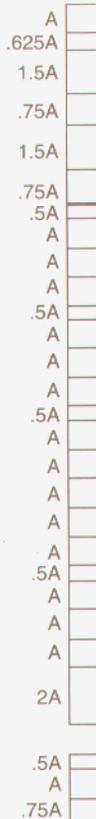
If the area is not attended, a second panel that includes instruction procedures for registration and payment is to be placed in conjunction with this panel (see page 7.6a)\*.

The typeface is to be Helvetica Bold. The sign material is engineering grade retro-reflective sheeting with white legend on a Corps Brown panel.

\*These signs will be placed on separate posts. See page 7.3 for typical sign placement.

Underrule is .125A.

Reproduction art for the U.S. Fee Area symbol is provided on page F.137.



.5X		X	
Equal	Y	Equal	1.5A

**Day Use Facility Fees**

**\$3.00 maximum per vehicle**

**Boat Launch \$2.00 per day**

**Swimming Beach \$1.00 per person per day**

**\$25.00 Annual Pass**

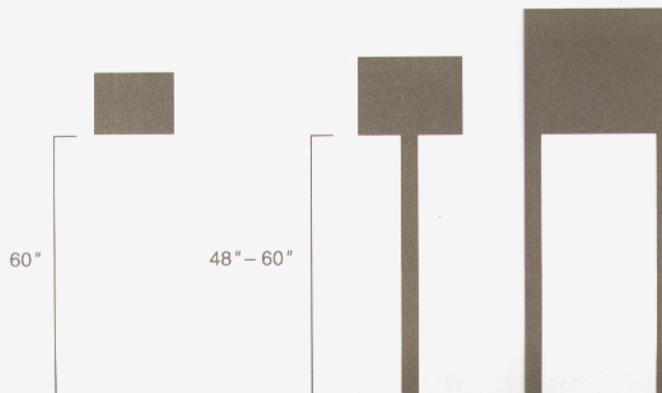
**Golden Age/Access Passport - Half Price**

**Children Under 12 Free**

**Day Use Area Full**

The panel height shown is without the "Day Use Area Full" attachable panel.

Sign Type	Legend Size (A)	Panel Size*	Symbol Size (Y)	Post Size	Spec. Code	Mounting Height	Color Bkg/Lgd
ENT-05	1"	33.25" x 24.25"	4"	4" x 4"	HDO-5/6	60"	BR/WH
ENT-05	1.5"	49.875" x 36.375"	6"	4" x 4"	HDO-3/6	48" - 60"	BR/WH
ENT-05	2"	66.5" x 48.5"	8"	4" x 4"	HDO-3	48" - 60"	BR/WH



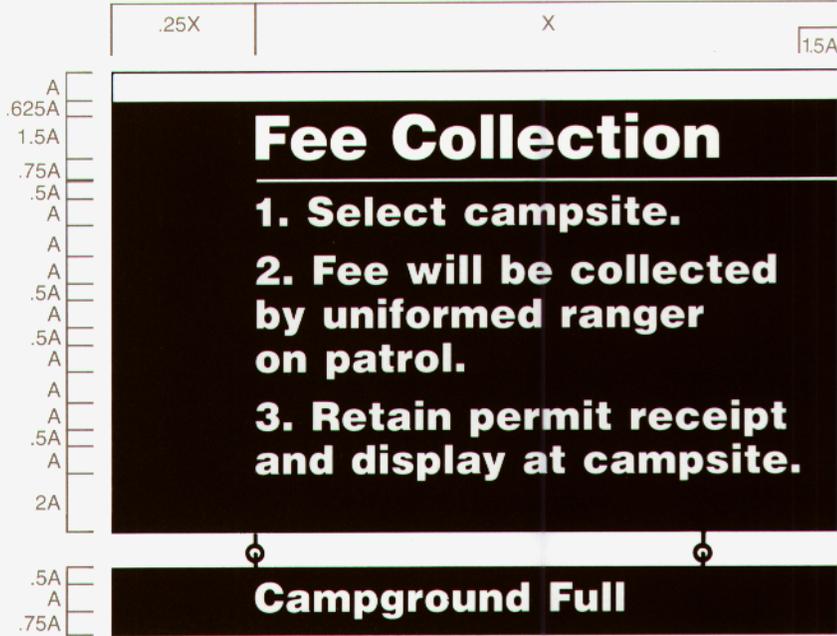
At locations where there is no entrance station and campsite fees are collected by a roving ranger, the sign illustrated below is used. It is placed on the roadway approaching the campground, where it is easily viewed by entering vehicles.

An optional "Campground Full" attachable panel is available.

The sign is ground-mounted on double wood posts. Because it is used in conjunction with the Campsite Fee sign, it is also made of reflective sheeting applied to HDO plywood. The size chosen is determined by the viewer's speed of approach and by the appropriateness of the size of the sign to the site.

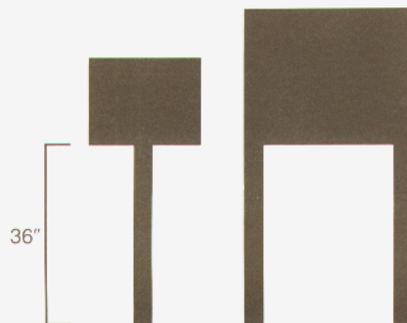
Underrule is .125A.

Optional panel may be attached using hook and eye hardware. If panel is subject to removal by vandals, it can be mounted as per the specifications for HDO-3 or HDO-5 provided in Appendix B.



The panel height shown is without the "Campground Full" attachable panel.

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
ENT-03	1"	24.375" x 15.875"	4" x 4"	HDO-5	36"	BR/WH
ENT-03	1.5"	36.625" x 23.875"	4" x 4"	HDO-3	36"	BR/WH
ENT-03	2"	48.75" x 31.75"	4" x 4"	HDO-3	36"	BR/WH



Fee areas that are not attended or where staff may not be on-duty at all times should be posted with a fee payment procedure panel in conjunction with the fee schedule sign (see page 7.5b).

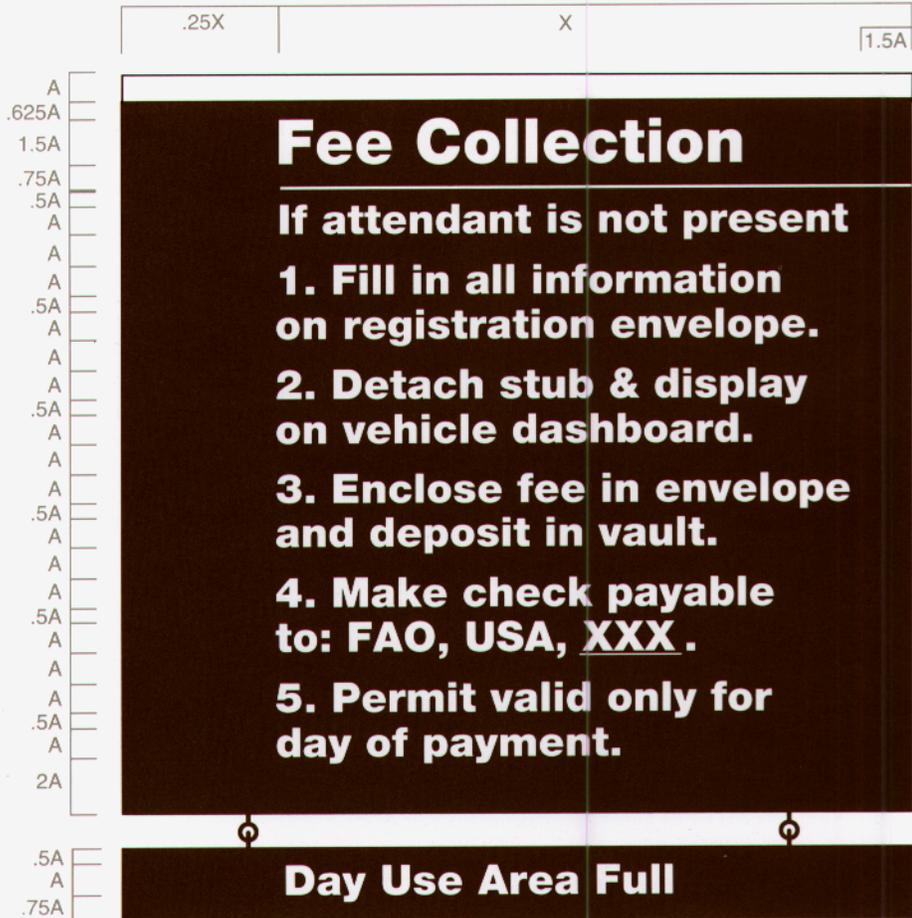
Actual legend content may vary depending on local procedure; omit line 4 for Districts that do not accept checks and

adjust panel size accordingly. Where checks are accepted the legend will read, Make check payable to FAO, USA, XXX ., with the three letter symbol (i.e. ORD for Ohio River Division) in the space shown with the XXX. The Grid 1 format (see page 7.36) should be maintained at all locations.

The typeface is to be Helvetica Bold. The sign material is engineering grade retro-reflective sheeting with white legend on a Corps Brown panel.

Underrule is .125A.

Specify three letter Division code for space shown with XXX.

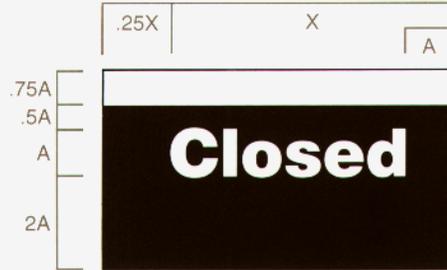


The panel height shown is without the "Day Use Area Full" attachable panel.

Sign Type	Legend Size (A)	Panel Size*	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
ENT-06	.75"	19.625" x 18.75"	4" x 4"	HDO-5/HDO-6	48" - 60"	BR/WH
ENT-06	1"	26.25" x 25"	4" x 4"	HDO-3	48" - 60"	BR/WH

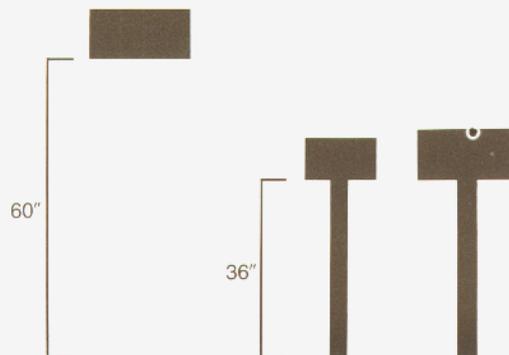


This sign is available in two sizes. It may be mounted on a building, on a gate to close off a roadway, or on a single wood post. The sign is fabricated of reflective sheeting applied to HDO plywood.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
ENT-04	2"	14.25" x 8.5"	4" x 4"	HDO-5/HDO-6	36"/60"	BR/WH
ENT-04	3"	21.375" x 12.75"	4" x 4"	HDO-5/HDO-6	36"/60	BR/WH

The illustration shows both wall mounted (HDO-6) and ground mounted (HDO-5) signs.



Illustrated below is a schematic diagram of a campground. It shows the general location of the six possible recreation sign types for this area. The specific location will depend on the layout of and circulation in the actual site.

Additional signs which may be required for this area will include: Secondary Identifi-

fication (Section 5), Directional (Section 6), Symbols (Section 8), Prohibition (Section 8), and Traffic (Section 9).

**Dumping Station Instructions**

1. Connect your hose to trailer holding tank.
2. Insert hose end securely into drain, holding cover open with foot. Open trailer drain valve.
3. Wash any spillage into drain using water provided. Water unsafe to drink. No washing of vehicles.

**Cleaning Water**

For cleaning and flushing tanks only. Unsafe to drink.

**Drinking Water Only**

Not to be used for flushing tanks.

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**Camping in Designated Sites Only**



Opening Hours

Directional

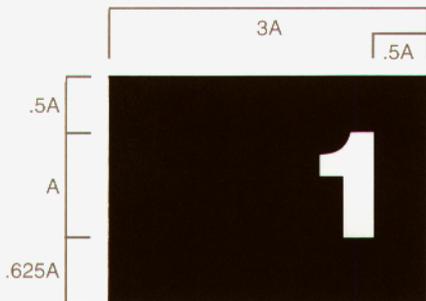
Area Regulations

Directional

Each individual campsite is identified with a number or combination of numbers and letters. The sign shown below will accommodate one, two or three digits (or letters). The numbers are horizontally centered in the sign.

The signs are fabricated of reflective sheeting applied to HDO plywood. The

campsite bollard or post is routed out to the depth of the sign panel. The panel is then set into the notch and adhered to the bollard with silicone adhesive. All joints between the bollard and the sign panel must be caulked with silicone.



One-digit number: flush right



Three-digit number: centered horizontally



Two-digit number: flush right

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CMP-01	2"	6" x 4.25"	6" x 6"	RRW-7/HDO-7	31"	BR/WH



This sign is placed in areas within or adjacent to campgrounds to remind visitors that camping is permitted only on numbered campsites. It is fabricated of reflective sheeting applied to HDO plywood.

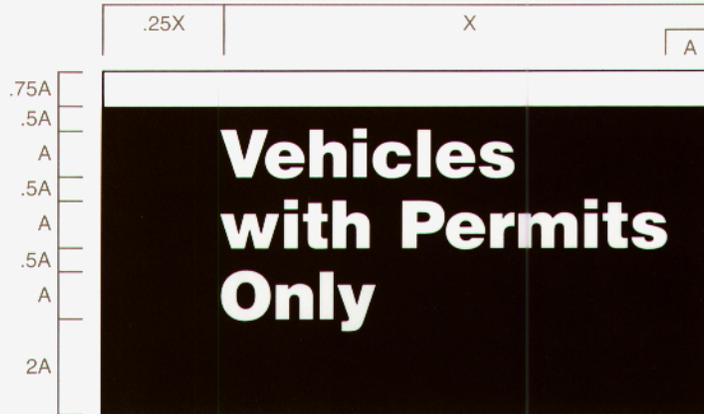
This same legend can also be used on the Area Regulation sign (see page 8.23).



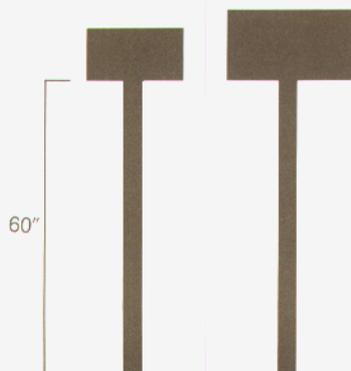
Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CMP-02	1.5"	17.375" x 10.875"	4" x 4"	HDO-5	36"	BR/WH
CMP-02	2"	23.125" x 14.5"	4" x 4"	HDO-5	36"	BR/WH



This sign is posted at the entrance of a facility which is restricted to those vehicles having permits. It is fabricated of reflective sheeting mounted on HDO plywood.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CMP-03	1.5"	19.75" x 10.875"	4" x 4"	HDO-5	60"	BR/WH
CMP-03	2"	26.25" x 14.5"	4" x 4"	HDO-5	60"	BR/WH



This sign serves as both an identification of the dump station location and as a guide for its use. It must be visible from an approaching recreation vehicle as well as from a pedestrian's viewpoint.

It is available in two sizes. Since it is part of a total package of signs used in

conjunction with the Drinking Water (page 7.13) and Cleaning Water (page 7.14) signs, the same legend size should be used for all three of the signs.

It is fabricated of reflective sheeting applied to HDO plywood.

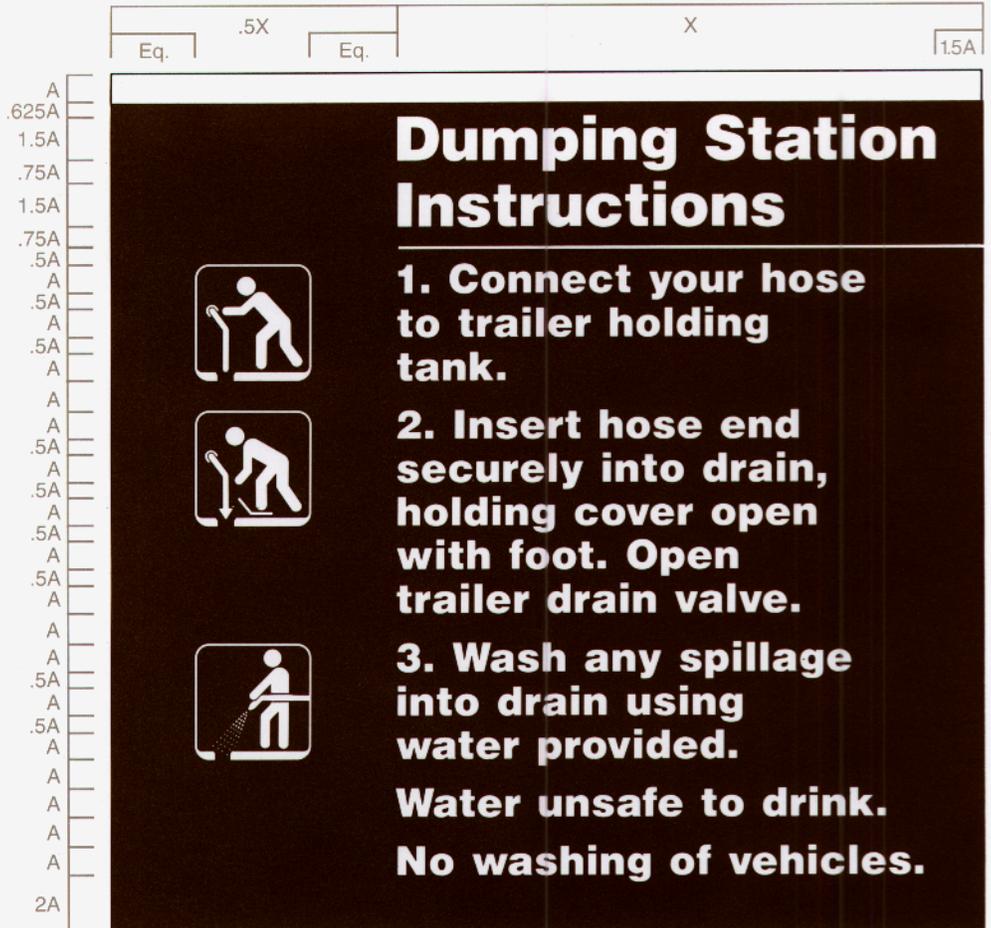
This and the following two signs may be two-sided where a dump station has

traffic approaching in both directions.

Reproduction art for the symbols used on this sign are on pages F.134-6.

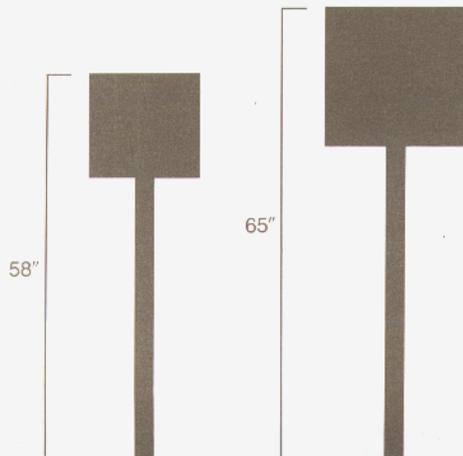
Underrule is .125A.

The symbols are 4A, measured to the outside edge of the border.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CMP-04	.75"	23" x 22.3125"	4" x 4"	HDO-5	58"	BR/WH
CMP-04	1"	30.625" x 29.75"	4" x 6"	HDO-5	65"	BR/WH

Mounting height is measured to the top of the sign panel rather than to the bottom of the panel. This mounting method visually aligns the group of Dumping Station signs (7.12-14).

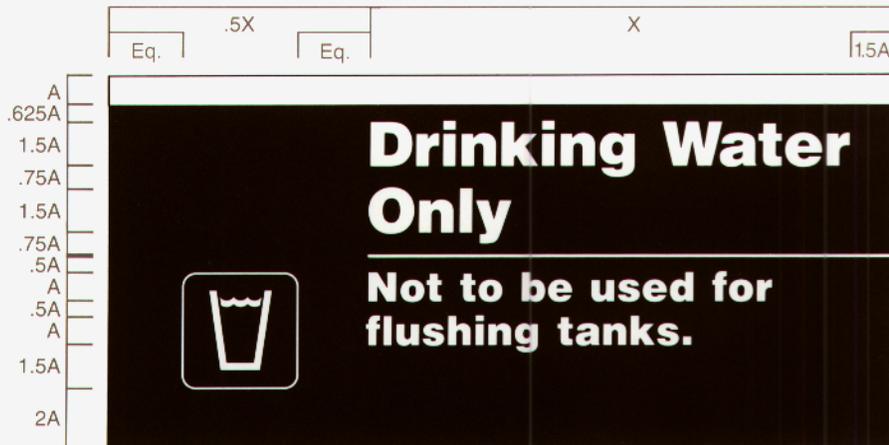


This sign identifies the tap for potable water. The legend size and mounting should match that of the Dumping Station sign. It is fabricated of reflective sheeting applied to HDO plywood.

Reproduction art for the drinking water symbol is on page F.41.

Underrule is .125A.

The symbol is 4A, measured to the outside edge of the border.



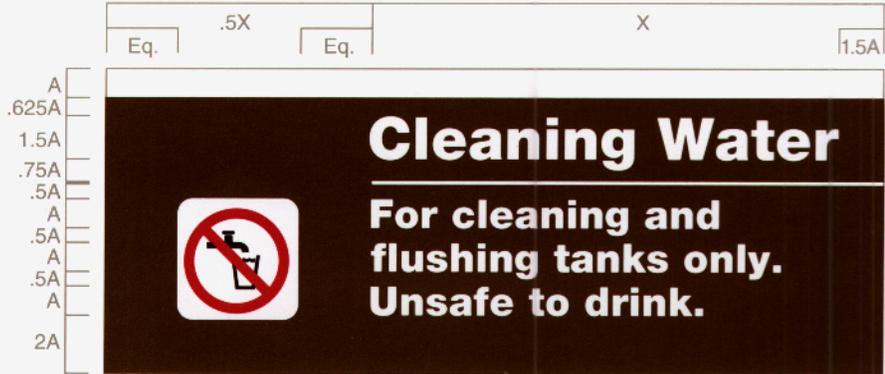
Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CMP-05	.75"	19.5" x 9.5"	4" x 4"	HDO-5	58"	BR/WH
CMP-05	1"	26" x 12.75"	4" x 4"	HDO-5	65"	BR/WH

Mounting height is measured to the top of the sign panel rather than to the bottom of the panel. This mounting method visually aligns the group of Dumping Station signs (7.12-14).



This sign identifies the tap for water that is not potable and should be used only for flushing tanks. The legend size and mounting should match that of the Dumping Station sign. It is fabricated of reflective sheeting applied to HDO plywood.

Reproduction art for the No Drinking symbol is on page F.94.

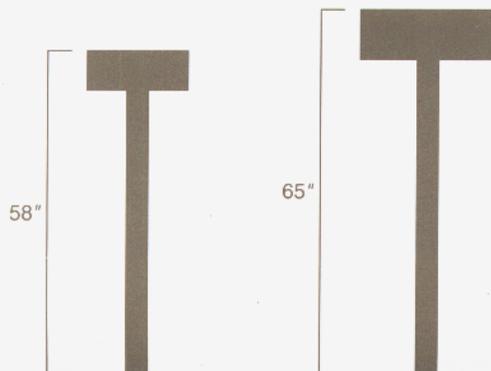


Underrule is .125A

The symbol is 4A, measured to the outside edge of the border.

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CMP-06	.75"	20.375" x 7.875"	4" x 4"	HDO-5	58"	BR/WH
CMP-06	1"	27.125" x 10.5"	4" x 4"	HDO-5	65"	BR/WH

Mounting height is measured to the top of the sign panel rather than to the bottom of the panel. This mounting method visually aligns the group of Dumping Station signs (7.12-14).



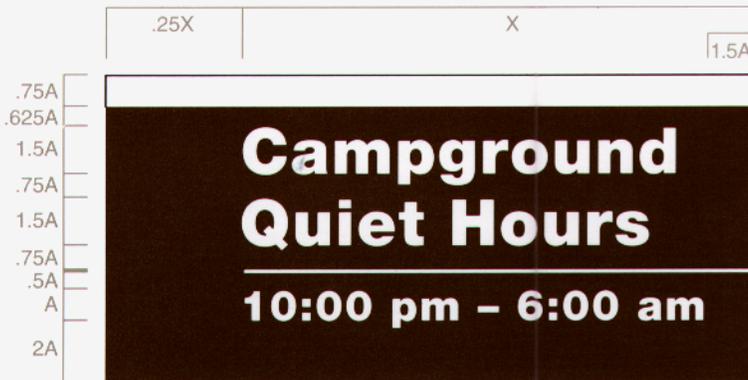
The quiet hours sign shown below may be used at the main entrance, on loop roads, or at other points around a campground.

This sign is used as an alternative to a slat sign (see section 8, page 8.25), with the sign placed at the entry to each campground area loop. The designated 10:00 pm - 6:00 am quiet hours period

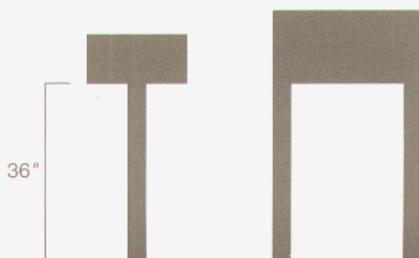
corresponds to the standard hours as regulated in Title 36. To stop an over-proliferation of signs, do not place a quiet hours sign in locations where slat signs are used.

The quiet hours sign is provided in two sizes, and is ground mounted.

Underrule is .125A



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CMP-07	1"	20.875" x 9.5"	4" x 4"	HDO-5	36"	BR/WH
CMP-07	1.5"	31.25" x 14.25"	4" x 4"	HDO-3	36"	BR/WH



The campground full sign shown below is used within a campground roadway system for temporary notification to potential users that the facility is fully occupied. The function of this sign is to aid in the reduction of unnecessary traffic through occupied areas.

These signs are used in addition to a Campground Full panel that is attached to the Campsite Fee and Fee Collection signs (pages 7.5-6) which are mounted on or adjacent to the entrance station.

The sign shown below is specified in two sizes and is fabricated of HDO plywood with applied reflective sheeting

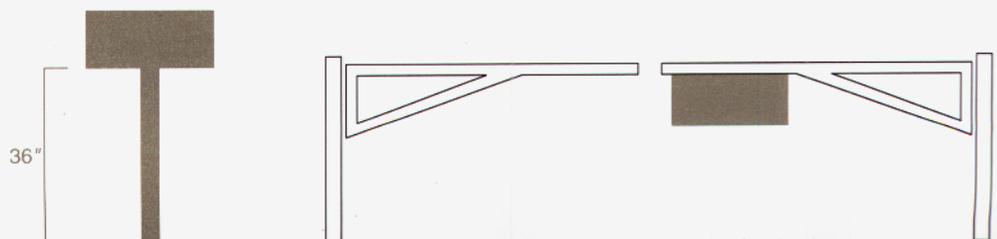
face. For most applications the smaller panel should be sufficient. Signs can be mounted at the entrance to an area using either a post-mounted sign with a removable panel, or attach the signs on barricade structure that can be placed across internal loop roadways.

Note: Because there are a variety of gate types, the mounting method should be determined on a site by site basis. Attachment to be tamper resistant while being easy to attach or remove by park staff. If mounted on a gate order an HDO sign without hardware. Attach panel to gate from back without penetrating sign face.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
CMP-08	2"	25.75" x 11.5"	4" x 4"	HDO-5	36"	BR/WH
CMP-08	3"	38.625" x 17.25"	4" x 4"	HDO-5	36"	BR/WH

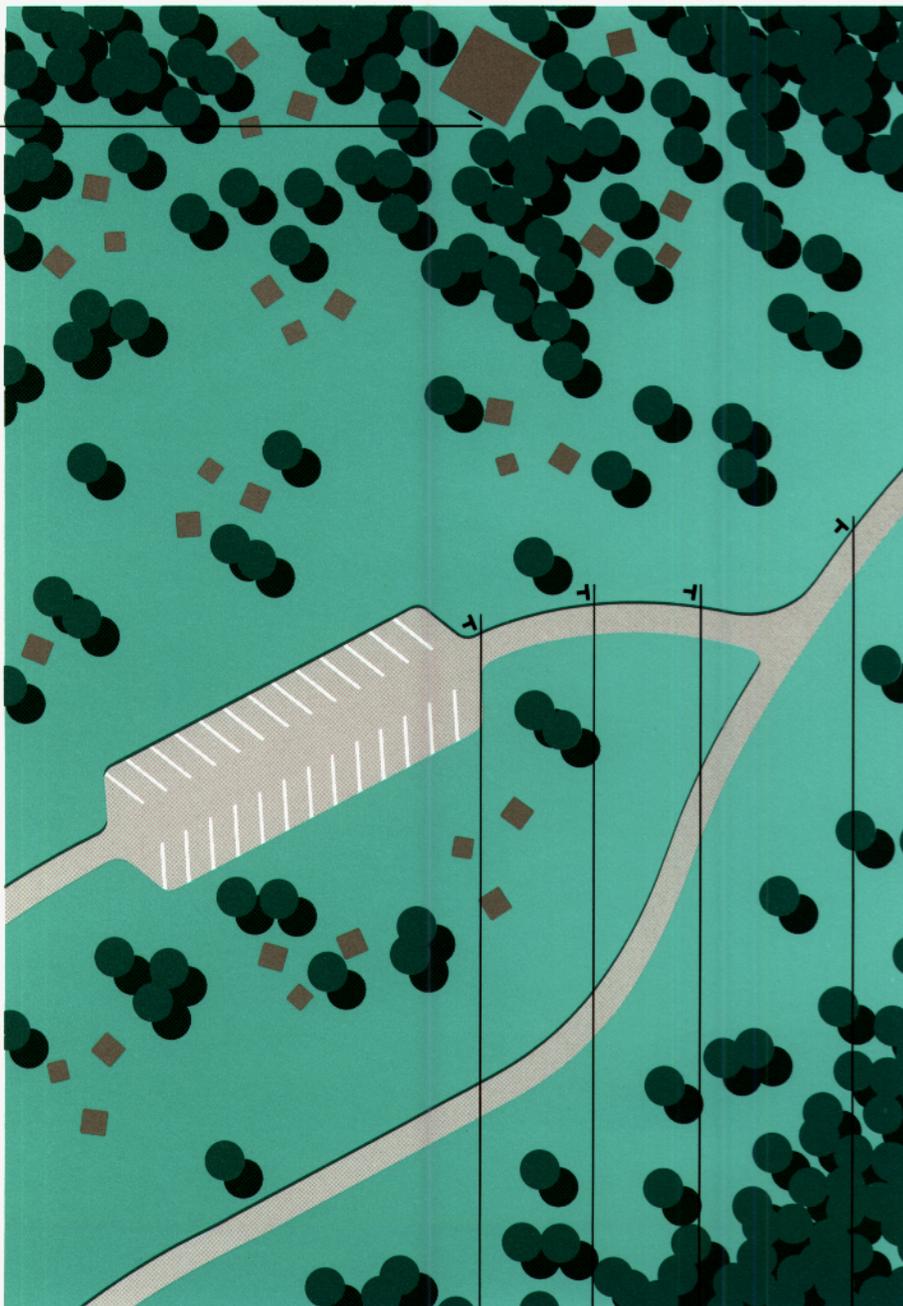
Examples show post mount and mounted on barricade (see detail 13, page B.7-4).



Illustrated below is a schematic diagram of a picnic area. It shows the general location for the one recreation sign type for this area. The specific location will depend on the layout of and circulation in an actual site.

Additional signs which may be required for this area will include: Secondary Identification (Section 5), Directional (Section 6), Symbols (Section 8), Prohibition (Section 8), and Traffic (Section 9).

**Shelter May Be Reserved**  
For information, visit or call the Project office: 000-0000



Area Regulations

Traffic Control

Opening Hours

Directional

The signs shown below are provided for mounting on or adjacent to the facility or structure, and are used on projects where picnic shelters, group camping facilities, picnic areas and athletic fields may be reserved in advance. The picnic shelter sign is shown below. Signs for

group camping, picnic areas, and athletic fields are specified on page 7.16a.

An additional detachable panel may be affixed as shown to the base to advise users that the facility has been already reserved for that day.

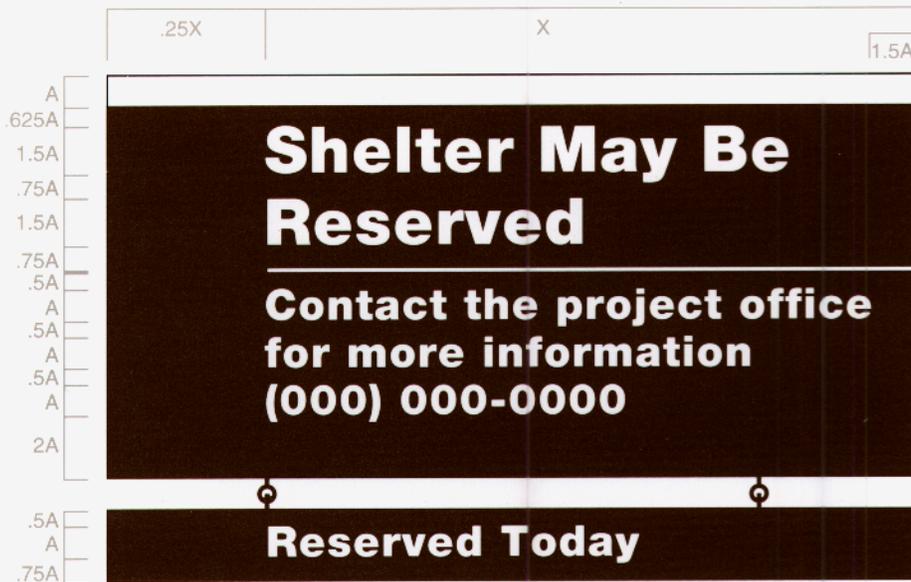
There are two legend sizes available.

The smaller one is for ground mounting or for mounting to a structure. The larger legend size is for a free-standing, ground mounted installation that may require a larger sign.

Include local project phone number when ordering reservation signs.

Underrule is .125A.

Optional panel may be attached using hook and eye hardware. If panel is subject to removal by vandals, it can be mounted as per the specifications for HDO-3 provided in Appendix B.

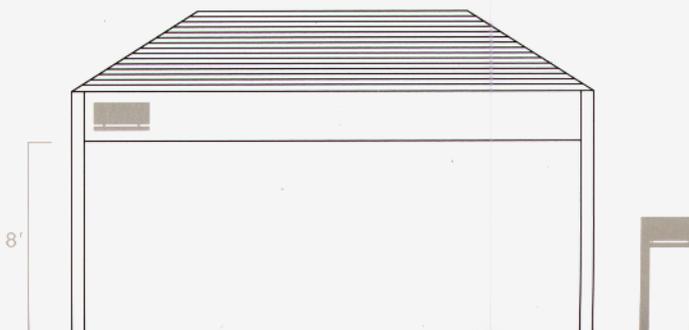


\*Mounting height for sign attached to shelter will depend on shelter design.

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
RSV-01	1"	25.625" x 12.75"	-	HDO-3/HDO-6	*	BR/WH
RSV-01	1.5"	38.5" x 19.125"	4" x 4"	HDO-3	36"	BR/WH

The illustration shows both wall mounted (HDO-6) and ground mounted (HDO-3) signs.

Top legend is common for panels shown above and on page 7.16b.



Shown below are the various facility reservation signs and respective specification matrices. To implement, refer to the guidelines provided on page 7.16. For consistency, all reservation information panels follow the grid format and size as seen on page 7.16. This allows for one common tag panel size.

Include local project phone number when ordering reservation signs.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
RSV-02	1"	25.625" x 12.75"	—	HDO-3/HDO-6	*	BR/WH
RSV-02	1.5"	38.5" x 19.125"	4" x 4"	HDO-3	36"	BR/WH



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
RSV-03	1"	25.625" x 12.75"	—	HDO-3/HDO-6	*	BR/WH
RSV-03	1.5"	38.5" x 19.125"	4" x 4"	HDO-3	36"	BR/WH



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
RSV-04	1"	25.625" x 12.75"	—	HDO-3/HDO-6	*	BR/WH
RSV-04	1.5"	38.5" x 19.125"	4" x 4"	HDO-3	36"	BR/WH

Illustrated below is a schematic diagram of a swimming area. It shows the general location of the four possible recreation sign types for this area. The specific location will depend on the physical characteristics, layout of, and circulation in an actual site.

Additional signs which may be required for this area will include: Secondary Identi-

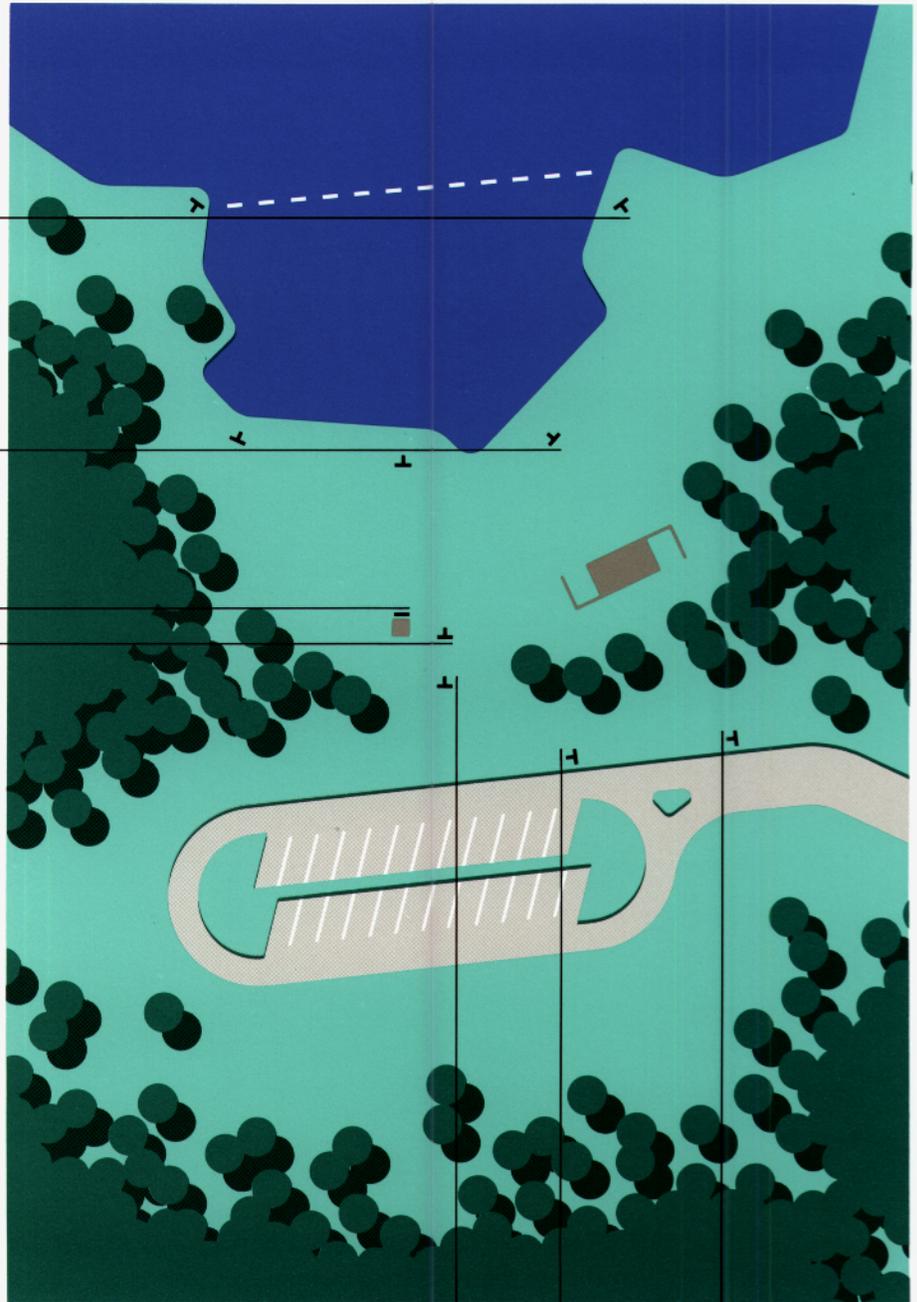
fication (Section 5), Directional (Section 6), Symbols (Section 8), Prohibition (Section 8), and Traffic (Section 9).

**Restricted**  
**No Boats in Swimming Area**

**No Lifeguard Swim at Your Own Risk**

**For Emergency Use Only**

**Coast Guard Approved Flotation Devices Only**



Area Regulations

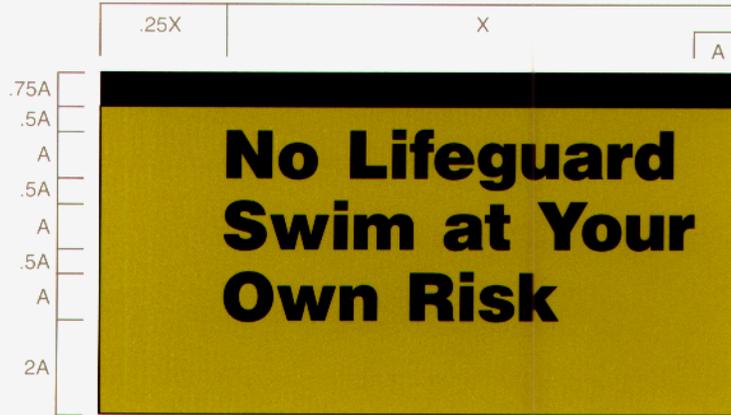
Parking Control

Opening Hours

All visitors to a Corps beach must be informed that there is no lifeguard service. The sign illustrated below must be located to ensure that people do not get to the water's edge without seeing it. If there is a single path leading from the parking lot to the beach, and no other access, one

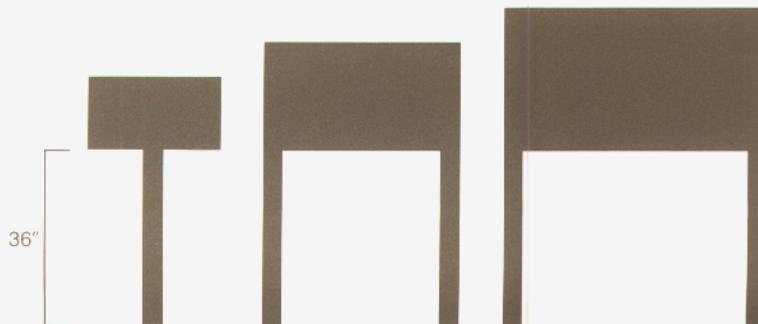
sign mounted along the path would be sufficient. If there are many access routes to the beach, a number of signs will be needed along the primary approach and for optimum visibility from water's edge. If the beach is very large, it is preferable to locate a number of signs along it rather than place one large sign centrally.

The sign is fabricated of reflective sheeting applied to HDO plywood. It is available in three sizes. The size chosen is determined by the viewing distance required and by the appropriateness of the size of the sign to the site.



\*Specify panel with 1" HDO plywood. All others use standard .75" material.

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
SWM-01	2"	27" x 14.5"	4" x 4"	HDO-5	36"	LY/BK
SWM-01	3"	40.5" x 21.75"	4" x 4"	HDO-3	36"	LY/BK
SWM-01	4"	54" x 29" *	4" x 4"	HDO-3	36"	LY/BK



The sign illustrated below is mounted toward the water to alert boaters not to enter the swimming area. It should be used in addition to the floats or buoys at the perimeter of the designated swimming area.

Mounting height varies according to the water level fluctuation in a given

location. Three sizes are available. The size chosen is determined by the viewing distance required.

The sign must be visible from a distance beyond the buoy line or designated swimming area with sufficient margin of safety to ensure that boats will remain well outside the swimming area.

This is a waterway type sign, and as a sign directed toward the water, the legend uses Helvetica Medium typography and adopts the ALU specification code for all applications larger than the A=4" sign size.

Underrule is .125A

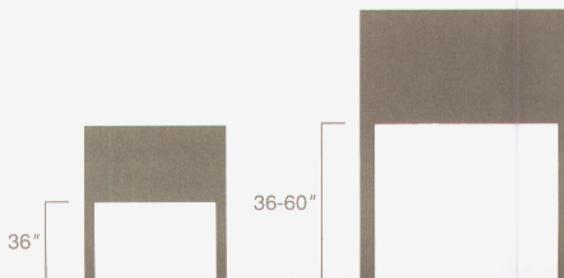


Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
WRE-23	4"	66.5" x 36"	4" x 6"	HDO-3	36-60**	RD/WH
WRE-23	6"	99.875" x 54"	6" x 8"	ALU-3	36-60**	RD/WH
WRE-23	8"	133.12" x 72"	8" x 8"	ALU-3	36-60**	RD/WH

\*Mounting height will vary with local conditions.

The material and typographic specifications for this sign have been revised with this addition to the manual. Please note the difference with existing installations in your sign inventory.

There is a danger that people can injure themselves by climbing on or around the sign because of the sharp edges of the aluminum panel. If the hazard exists, weld an extruded angle (.75" x .75" x .125") to the back of the sign, with the flat edge flush to the perimeter of the panel to eliminate the sharpness of the edge.



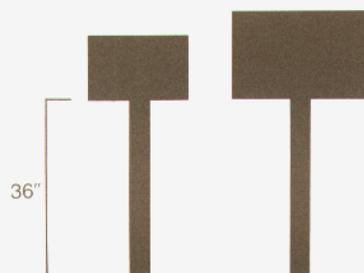
This sign is mounted on the beach to restrict the use of inner tubes, water wings, and rubber rafts. It is fabricated of reflective sheeting applied to HDO plywood. There are two sizes available. The size chosen is determined by the

viewing distance required and by the appropriateness of the size of the sign to the site.

This same legend can also be used on the Area Regulation sign (see page 8.25).



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
SWM-03	1.5"	19.75" x 13.125"	4" x 4"	HDO-5	36"	BR/WH
SWM-03	2"	26.25" x 17.5"	4" x 4"	HDO-5	36"	BR/WH



This sign is used in conjunction with a life ring, placed along the water's edge. The mounting posts also serve as a support for the ring. The sign is fabricated of reflective sheeting applied to HDO plywood. One size is available. If a beach is large, more than one of these signs may be required.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
SWM-04	3"	47.375" x 17.25"	4" x 4"	HDO-3	36"	LY/BK

Sign shown with life ring attached



Illustrated below is a schematic diagram of a boat ramp. It shows the general location of the six recreation signs that have application in this area. Not all of the signs shown will be used at every boat ramp. The signs used will depend on the conditions of and regulations at a given project.

The specific locations will depend on the layout of and circulation in an actual site. The mounting heights shown in the matrix for each sign are minimum dimensions intended for ramps with unobstructed sightlines. At locations where viewing may be obstructed, mounting heights should be raised as required. Additional signs which may be required

for this area will include: Secondary Identification (Section 5), Directional (Section 6), Symbol (Section 8), Prohibition (Section 8), and Traffic (Section 9).

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

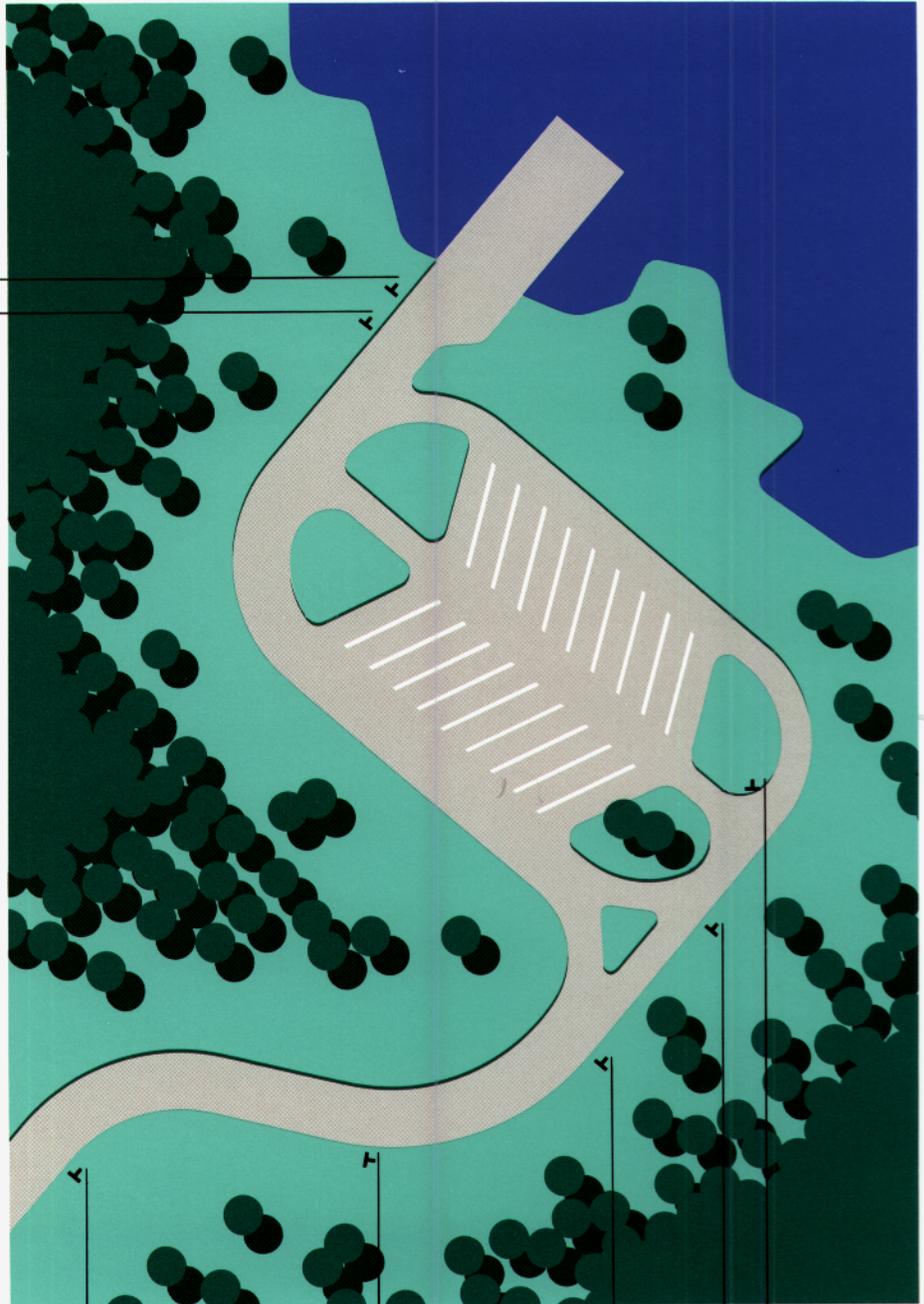
**Warning**  
 Submerged Dam 00 Miles Downstream

**Warning**  
 Dam 0 Miles Downstream

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

**Caution**  
 Lake Water Level Varies  
 Watch for Obstructions

**Boaters Warning**  
 Overhead Power Lines Cross This Lake



Road ends in water

Road ends in water 00 feet

Opening Hours

Area Regulations  
 Parking Control

\* Optional signs: use depends on local conditions. Each sign is mounted on its own post. Legends may not be altered.

This sign is used adjacent to the boat ramp and outlines the rules to follow at the ramp and on the lake or river. The first message is mandatory and the second message is mandatory unless sign type BTR-03 (page 7.25) is used. The third and fourth messages are optional, depending on local project regulations.

The sign is fabricated of reflective sheeting applied to HDO plywood. It is available in two sizes. The smaller size is used on single lane ramps. The larger size is placed at multi-lane ramps.

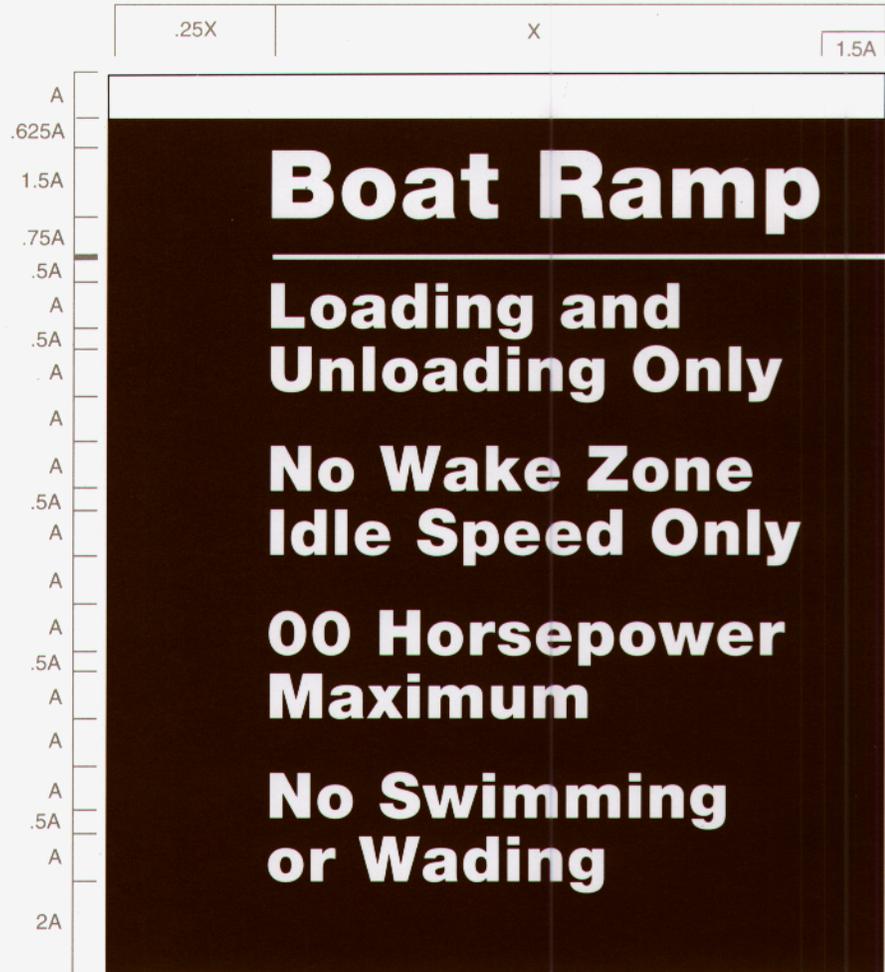
This sign may be assembled with one to four legends. The standard panel base is 2A below the last legend.

Underrule is .125A.  
Mandatory Legend

Mandatory Legend, unless BTR-03 (page 7.25) is used.

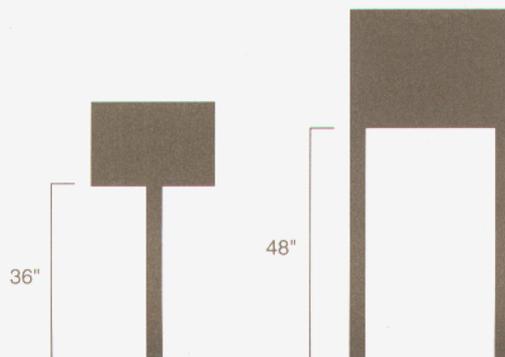
Optional Legend

Optional Legend



The panel sizes in the illustration to the right and in the matrix are based on a sign with one 2-line legend.

Sign Type	Legend Size (A)	Panel Size*	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
BTR-01	1.5"	25.25" x 13"	4" x 4"	HDO-5	36"	BR/WH
BTR-01	2"	33.75" x 18"	4" x 4"	HDO-3	48"	BR/WH

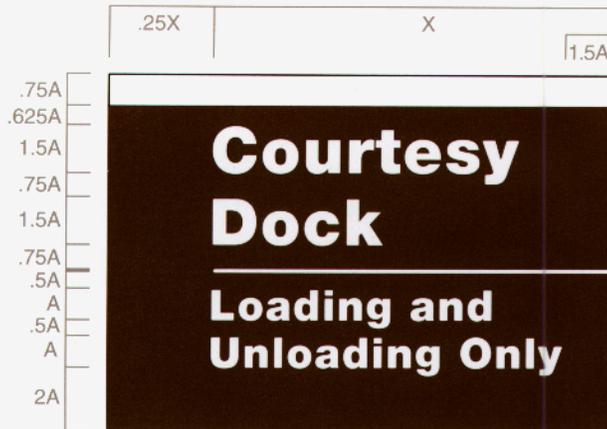


This sign is provided to identify the area at a launch ramp or adjacent to a marina designated for short term docking to allow boaters to load and unload as needed. This sign is intended for viewing from relatively short distances and should be sized accordingly. Two sizes are specified below.

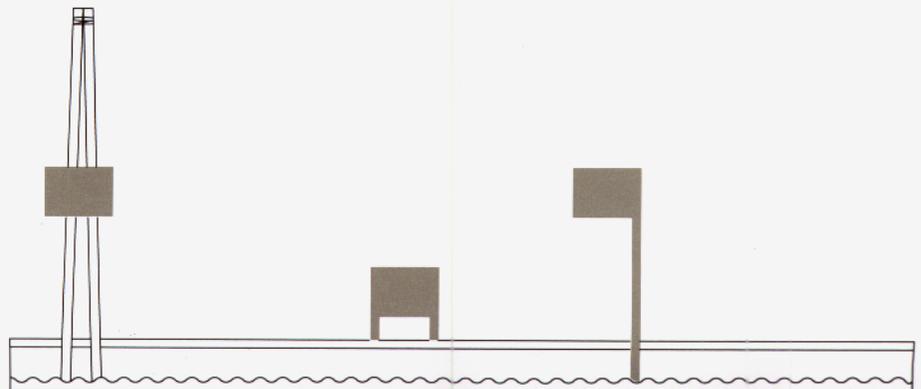
Because of the wide variety of dock structures and types, mounting format will be specified at the discretion of the project. The sign may be mounted along the edge of a dock, or on adjacent piling.

The sign, Corps Brown with white legend, overbar and rule, is fabricated using the HDO specification code.

Underrule is .125A



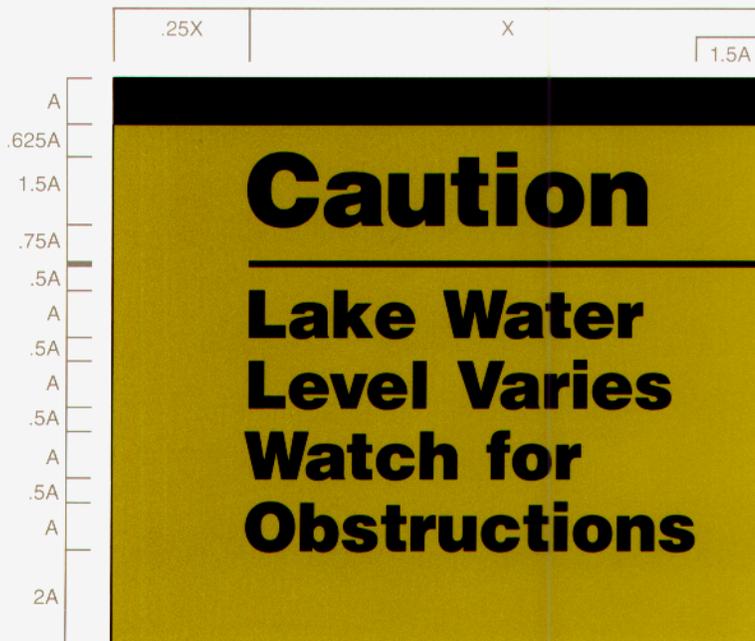
Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
BTR-07	2"	31.5" x 22"	4" x 4"	HDO-3/HDO-6	varies	BR/WH
BTR-07	3"	47.25" x 33"	4" x 4"	HDO-3/HDO-6	varies	BR/WH



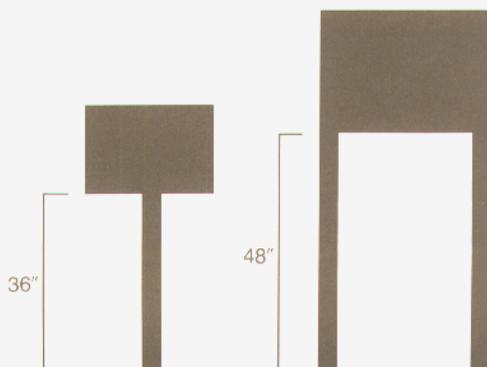
Placed at the boat ramp, this sign notifies boaters that there are underwater obstructions in the lake.

The sign is fabricated of reflective sheeting applied to HDO plywood. There are two sizes available. The smaller size is used on single-lane ramps; the larger size on multi-lane ramps.

Underrule is .125A.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
BTR-02	1.5"	20.375" x 18"	4" x 4"	HDO-5	36"	LY/BK
BTR-02	2"	27.25" x 24"	4" x 4"	HDO-3	48"	LY/BK



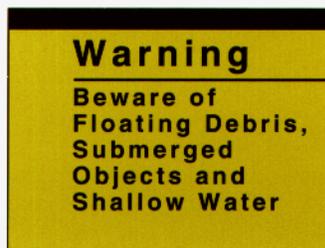
Areas where there are site specific hazards on lakes and waterways need to be marked at relatively close proximity to the hazardous condition. The three new signs illustrated below reflect a sign need common to many Corps facilities. These warning signs are designed to be viewed from the water, placed either on the shoreline facing the water or mounted on

piles or structures located in the water. The typeface is Helvetica Medium and follows Corps standard letter and word spacing for waterway signs (see Typography, page 14.1). The sign panel format uses standard grid 1, page 7.35.

These signs are fabricated using specifications for waterway signs with reflective sheeting applied to aluminum (see

B.13). These site specific signs are for placement within close proximity of the hazard, and are not generally intended for larger scale posting. Three common sizes are identified below. If a larger size sign is required, follow layout grid 1, page 7.35.

If the black adhesive legend of the warning sign is subject to vandalism, the sign may be fabricated with black screen printed legend on reflective sheeting in lieu of computer cut and applied graphics.



WRN-08

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
WRN-08-	3"	50.625" x 40.5"	4" x 4"	WTW-5	60"	LY/BK
WRN-08-	4"	67.5" x 54"	Engineered	WTW-5	60"	LY/BK
WRN-08	6"	101.25" x 81"	Engineered	WTW-5	60-72"	LY/BK



WRN-09

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
WRN-09	3"	50.375" x 36"	4" x 4"	WTW-5	60"	LY/BK
WRN-09	4"	67.25" x 48"	Engineered	WTW-5	60"	LY/BK
WRN-09	6"	100.75" x 72"	Engineered	WTW-5	60-72"	LY/BK



WRN-10

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
WRN-10	3"	48.625" x 37.5"	4" x 4"	WTW-5	60"	LY/BK
WRN-10	4"	64.75" x 50"	Engineered	WTW-5	60"	LY/BK
WRN-10	6"	97.125" x 75"	Engineered	WTW-5	60-72"	LY/BK

Placed at the boat ramp, this sign alerts boaters to a no wake zone limit on the lake or river. If a no wake zone has not been established, this sign is not posted. Instead, the second legend of BTR-01 (page 7.23) is used to notify boaters that the area immediately around a boat ramp is a no wake zone.

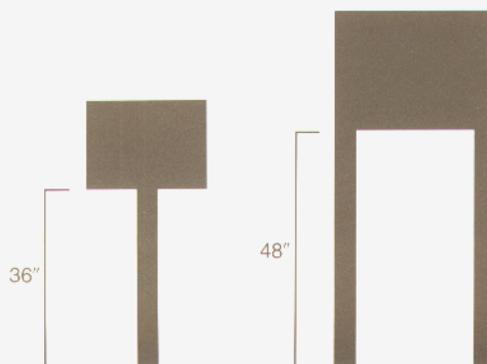
The sign is fabricated of reflective sheeting applied to HDO plywood. It is available in two sizes. The smaller size is used on single-lane ramps; the larger size on multi-lane ramps.

Underrule is .125A.

Indicate distance from shoreline.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
BTR-03	1.5"	24.375" x 18"	4" x 4"	HDO-5	36"	LY/BK
BTR-03	2"	32.5" x 24"	4" x 4"	HDO-3	48"	LY/BK



The signs below are to be posted at boat ramps at projects where power lines cross the lake at a height low enough to come into contact with sailboat masts, and along park roads where boaters confront this condition when trailering a sailboat to a launching area.

Since the water level of a lake can vary significantly throughout a season, the

For placement at boat ramp where water levels could create a hazard for a boater with a mast or tall antenna.

power line will not be a constant distance from the water level. Therefore, safe clearance limits are not included in the sign legend.

Signs mounted to identify power lines that cross roads should be placed at the ramp site or at the entrance to a facility or area as appropriate. This may include placement at both the boat ramp and

area entrances as well as at the specific hazard site.

These signs are fabricated with black screen printed legend (no cut legends) on reflective sheeting and applied to HDO plywood. There are two sizes available. The smaller size sign is used on single lane ramps; the larger sign on multi-lane ramps and use Grid 2 format.



BTR-04

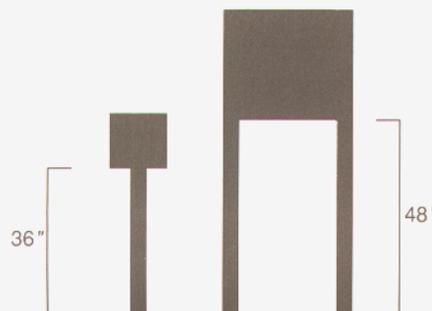
Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
BTR-04	1.5"	19.5" x 21.375"	4" x 4"	HDO-5	36"	LY/BK
BTR-04	2"	26" x 28.5"	4" x 4"	HDO-5	48"	LY/BK

For placement at entrances or along facility roadways where needed to warn motorists towing a sailboat to a launch location with mast upright.



BTR-10

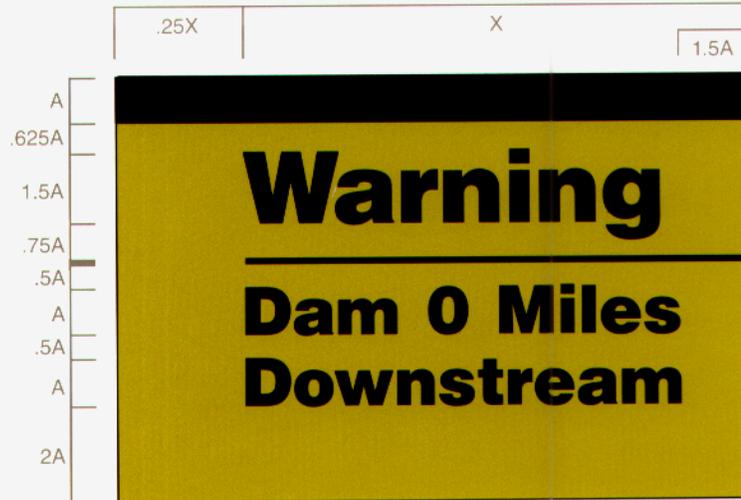
Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
BTR-10	1.5"	19.5" x 21.375"	4" x 4"	HDO-5	36"	LY/BK
BTR-10	2"	26" x 28.5"	4" x 4"	HDO-5	48"	LY/BK



The sign illustrated below and the one on page 7.28 coordinate with and reinforce the lock, dam and waterway safety signs outlined in Section 14. They provide early warning of conditions that exist downstream, using the same format and color scheme as the signs used around the dam.

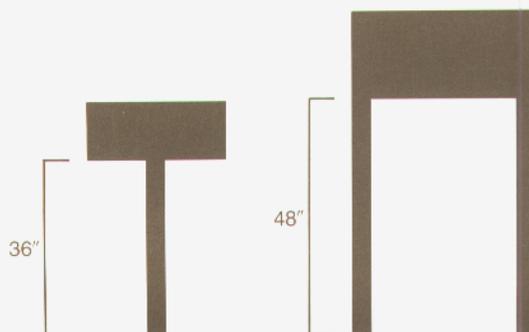
is located 5 miles or less from a gated dam. It is mounted adjacent to the boat ramp, so that all boaters will see it. It is fabricated of reflective sheeting applied to HDO plywood. It is available in two sizes. The smaller size is used on single-lane ramps; the larger on multi-lane ramps.

This sign is used whenever a boat ramp



Underrule is .125A.  
Indicate mileage.

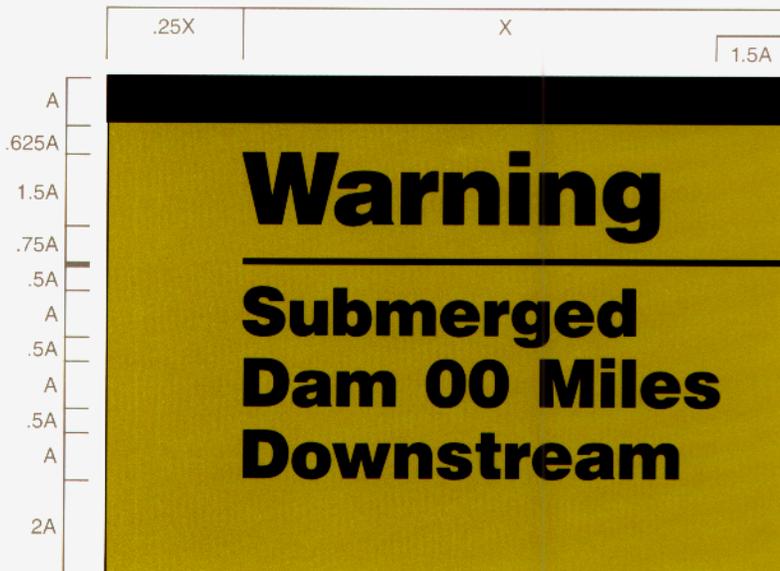
Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
BTR-05	1.5"	28.375" x 13.5"	4" x 4"	HDO-5	36"	LY/BK
BTR-05	2"	37.75" x 18"	4" x 4"	HDO-3	48"	LY/BK



The sign illustrated below and the one on page 7.27 coordinate with and reinforce the lock, dam, and waterway safety signs described in Section 14. They provide early warning of conditions that exist downstream, using the same format and color scheme as the signs used around the dam.

located upstream from submerged dams, regardless of distance. It is mounted adjacent to the boat ramp. It is fabricated of reflective sheeting applied to HDO plywood. It is available in two sizes. The smaller size is used on single-lane ramps; the larger on multi-lane ramps.

This sign is placed at all boat ramps



Underrule is .125A.

Indicate mileage.

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
BTR-06	1.5"	21.875" x 15.75"	4" x 4"	HDO-5	36"	LY/BK
BTR-06	2"	29.125" x 21"	4" x 4"	HDO-3	48"	LY/BK



The function of the signs illustrated below is to warn project visitors about hazards. Unlike the other signs illustrated in this section, they do not relate to a specific functional area in a Corps project, but may be needed anywhere along a lake or river. Because of the potentially serious consequences which may occur if the signs are not heeded or noticed, it is important that

the principles and guidelines detailed in this manual be followed. The color, typography, and wording of these signs have been chosen for readability and comprehension. They are consistent with the safety signs placed around a lock or dam (see Section 14). Because of this, the wording of particular sign legends should not be changed.

These signs are intended for relatively short viewing distances. If a large area is to be signed, use more than one sign rather than depending on a single large sign. Placement and sizing of these undesignated safety signs should be reviewed with the Project safety officer.

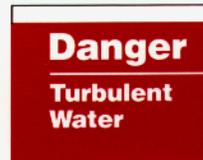


UNS-01

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
UNS-01	1.5"	17.25" x 11.25"	4" x 4"	HDO-5	36"	DR/WH
UNS-01	2"	23" x 15"	4" x 4"	HDO-5	36"	DR/WH
UNS-01	3"	34.5" x 22.5"	4" x 4"	HDO-3	36"	DR/WH
UNS-01	4"	46" x 30"	4" x 4"	HDO-3	36"	DR/WH



UNS-02



UNS-03



UNS-04



UNS-05

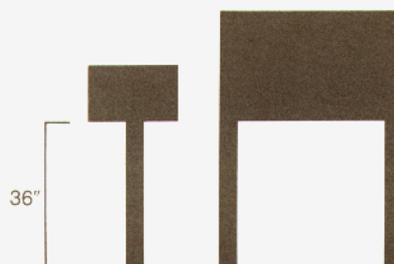
Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
UNS-02(03,04,05)	1.5"	17.25" x 13.5"	4" x 4"	HDO-5	36"	DR/WH
UNS-02(03,04,05)	2"	23" x 18"	4" x 4"	HDO-5	36"	DR/WH
UNS-02(03,04,05)	3"	34.5" x 27"	4" x 4"	HDO-3	36"	DR/WH
UNS-02(03,04,05)	4"	46" x 36"	4" x 4"	HDO-3	36"	DR/WH



UNS-06

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
UNS-06	1.5"	22" x 13.5"	4" x 4"	HDO-5	36"	DR/WH
UNS-06	2"	29.375" x 18"	4" x 4"	HDO-5	36"	DR/WH
UNS-06	3"	44.125" x 27"	4" x 4"	HDO-3	36"	DR/WH
UNS-06	4"	58.75" x 36"*	4" x 4"	HDO-3	36"	DR/WH

\*Specify panel with 1" HDO plywood. All others use standard .75" material.



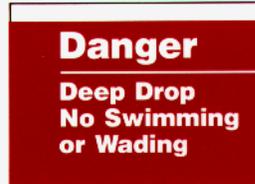
Public use and enjoyment of the recreational opportunities afforded by Corps navigation and flood control projects remains an important goal of project operations. While the Corps endeavors to make project visitors and boaters aware of and re-

spectful towards potential hazards, it also recognizes that not all such visitors have basic knowledge of common dangers, or are cognizant of safety practices. The responsibility for these matters must rest primarily with project visitors, aided to the extent practical by an aggressive public information and signage program. With

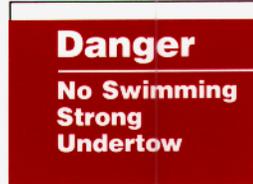
careful consideration and planning for the placement of cautionary signs, public safety and enjoyment can be maximized without infringing on the effective and productive management of the project.

These signs are intended for relatively short viewing distances. If a large area is to be signed, use more than one sign rather than depending on a single large sign. Placement and sizing of these undesignated safety signs should be reviewed with the project safety officer.

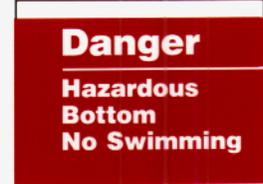
\*Specify panel with 1" HDO plywood. All others use standard .75" material.



UNS-07



UNS-08



UNS-09

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
UNS-07(08,09)	1.5"	21.625" x 15.75"	4" x 4"	HDO-5	36"	DR/WH
UNS-07(08,09)	2"	28.75" x 21"	4" x 4"	HDO-5	36"	DR/WH
UNS-07(08,09)	3"	43.125" x 31.5"	4" x 4"	HDO-3	36"	DR/WH
UNS-07(08,09)	4"	57.5" x 42"*	4" x 6"	HDO-3	36"	DR/WH



UNS-10

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
UNS-10	1.5"	18.25" x 15.75"	4" x 4"	HDO-5	36"	DR/WH
UNS-10	2"	24.375" x 21"	4" x 4"	HDO-5	36"	DR/WH
UNS-10	3"	36.49" x 31.5"	4" x 4"	HDO-3	36"	DR/WH
UNS-10	4"	48.75" x 42"	4" x 6"	HDO-3	36"	DR/WH



UNS-11

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
UNS-11	1.5"	17.875" x 15.75"	4" x 4"	HDO-5	36"	DR/WH
UNS-11	2"	23.875" x 21"	4" x 4"	HDO-5	36"	DR/WH
UNS-11	3"	35.75" x 31.5"	4" x 4"	HDO-3	36"	DR/WH
UNS-11	4"	47.625" x 42"	4" x 6"	HDO-3	36"	DR/WH

Seasonal flooding or unusually high-water conditions may create public hazards at Corps facilities. During these conditions, access to flooded areas shall be prohibited. The three danger signs displayed below are to be posted as needed at swimming areas, entrances, and along project roads. These flood condition signs are intended for temporary

use and it is imperative that they be removed once flood waters recede or when the hazard no longer exists.

The typeface is Helvetica Bold and follows Corps standard letter and word spacing. The sign panel format uses standard grid 1. If a larger size sign is required, follow the specified format on page 7.35.

These signs are fabricated of reflective sheeting and applied to HDO plywood. There are two common sizes identified below.



DNG-09

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
DNG-09	2"	28.75" x 21"	4" x 4"	HDO-3	36" - 60"	RD/WH
DNG-09	3"	43.125" x 31.5"	4" x 4"	HDO-3	36" - 60"	RD/WH



DNG-10

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
DNG-10	2"	28" x 18"	4" x 4"	HDO-3	36" - 60"	RD/WH
DNG-10	3"	42" x 27"	4" x 4"	HDO-3	36" - 60"	RD/WH



DNG-11

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
DNG-11	2"	28" x 18"	4" x 4"	HDO-3	36" - 60"	RD/WH
DNG-11	3"	42" x 27"	4" x 4"	HDO-3	36" - 60"	RD/WH

The Opening Hours sign shown below informs project or facility users of public operating hours and seasonal closures. It is placed at the entrance of a project, or at the entrance to individual facilities within a project.

The sign panel is fabricated of reflective sheeting applied to HDO plywood. The header panel and base strip are perma-

nently attached to the back-up HDO panel, with glue and wood screws. The two insert strips, one for the opening time and one for the closing time, are individually screw-mounted to the back-up panel, without glue. With this mounting method, the strips with specific times can be changed, without replacing or refinishing the entire sign panel.

The two formats for this sign are modified versions of the standard recreation Grids 1 and 2.

There are three legend sizes available. The small one is for mounting on walls; the larger two are for free standing ground-mounted signs on two posts.

Header panel and base; Format A

Underrule is .125A.

Opening Hours insert strip

Closing Hours insert strip



Header panel and base; Format B

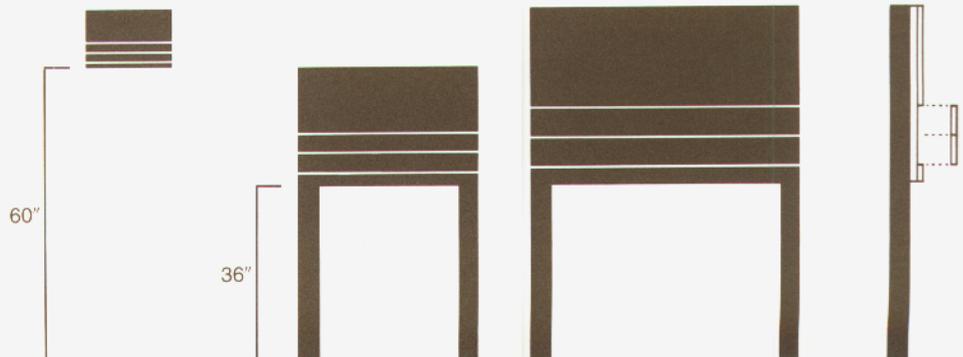
Underrule is .125A.

Example shows use of strips to inform visitors that an area is closed. The second strip gives the opening date.



Illustration shows both wall and ground mounted signs.

Panel Assembly: Header panel (.5" HDO plywood) and base strip are attached to sign back (.75" HDO plywood). Replaceable Hours strips (.5" HDO plywood) are screwed to sign panel assembly. Refer to Appendix B for complete HDO-8 specifications.



Shown below are standard Opening Hours panels. Only the different header panels are shown in the display. The panel size noted in the matrix below includes the entire panel assembly.

closing times to be placed on individual strips by the fabricator. Individual replacement strips may be ordered separately.

When ordering, specify the opening and

Header panel: Format A

Note: (A) is size of individual replacement hours strips. Header panel letters are 1.5(A).



HRS-01



HRS-02



HRS-03



HRS-04



HRS-05



HRS-06



HRS-07

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
HRS-00	1"	18" x 9.75"	—	HDO-8	60"	BR/WH
HRS-00	2"	36" x 19.5"	4" x 4"	HDO-8	36"	BR/WH
HRS-00	3"	54" x 29.25"	4" x 4"	HDO-8	36"	BR/WH

Header panel: Format B

Note: (A) is size of individual replacement hours strips. Header panel letters are 1.5(A).



HRS-09



HRS-10



HRS-11



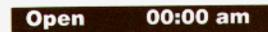
HRS-12



HRS-13

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
HRS-00	1"	18" x 12"	—	HDO-8	60"	BR/WH
HRS-00	2"	36" x 24"	4" x 4"	HDO-8	36"	BR/WH
HRS-00	3"	54" x 36"	4" x 4"	HDO-8	36"	BR/WH

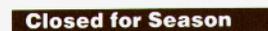
Individual replacement hours strips



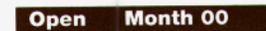
HRS-14



HRS-15



HRS-16



HRS-17

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
HRS-00	1"	18" x 2"	—	HDO-8	—	BR/WH
HRS-00	2"	36" x 4"	—	HDO-8	—	BR/WH
HRS-00	3"	54" x 6"	—	HDO-8	—	BR/WH

Entrances to designated National trails which traverse Corps projects are to be identified using approved trail markers. Pacific Crest National Scenic Trail, Appalachian Trail, Oregon National Historic Trail, Lewis and Clark National Historic Trail, and other designated National Recreation Trails.

Below are some of the trail marker

crests with an illustration that shows how these markers are to be used on approach roadways, project roads, and trails. Large versions of these markers are screen-printed on reflective sheeting and applied to an HDO panel. Markers used on trails are screen-printed on polyethylene panels. The identification marker is available in three sizes. The largest panel (18") is

intended for placement along approach roadways where a designated trail may originate or cross the roadway. Similarly the 9" panel is for placement along slow speed project roadways. The smaller panel is to be placed for trail identification by pedestrians. Reproduction art is provided in Appendix F or from the trail sponsor.



TR-001



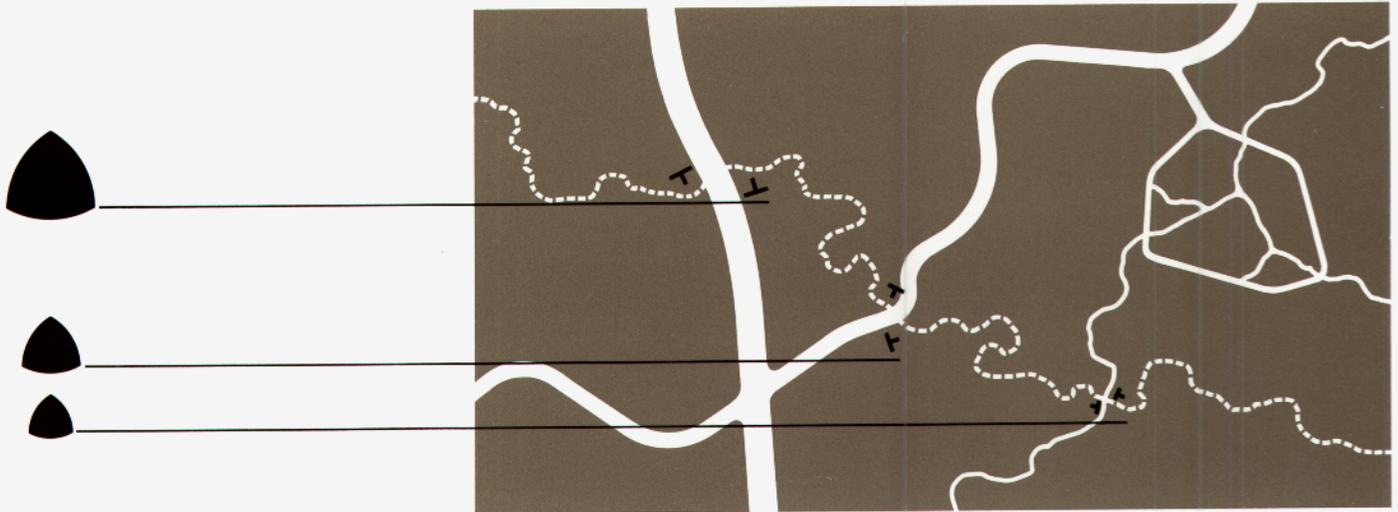
TR-002



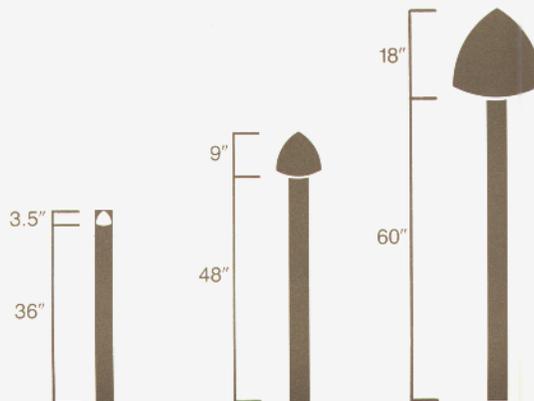
TR-003



TR-004



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
TR-000	—	3.5" x 3.5"	4" x 4"	SCP-7	36"	
TP-000	—	9" x 9"	4" x 4"	HDO-5	48"	
TP-000	—	18" x 18"	4" x 4"	HDO-5	60"	



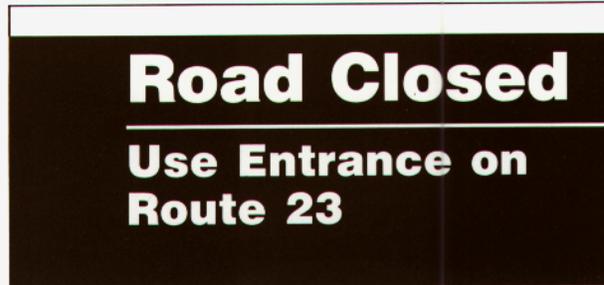
- a) Trail mount: 3.5"
- b) Roadway mount: 9"
- c) Highway mount: 18"

The system of recreation signs illustrated in this section is comprehensive. It addresses the basic activities occurring on Corps projects. However, there may be local situations or conditions which will need unique signs. It is important that special signs closely follow the format of the other recreation signs. To this end, three grids are illustrated on the following pages. The

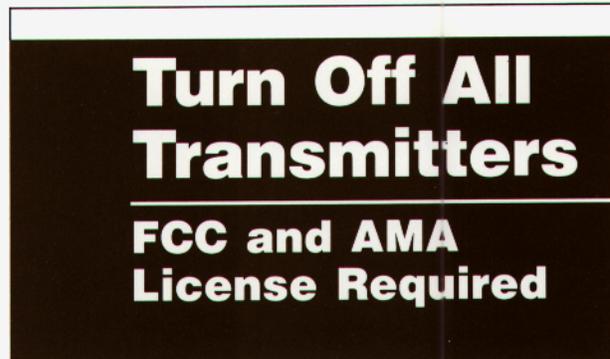
grid used will be determined by the legend required. For assistance in formulating special legends and utilizing the grids, contact your District/Division sign coordinator.

Shown below are three examples of one-of-a-kind signs that are unique to a project or site condition.

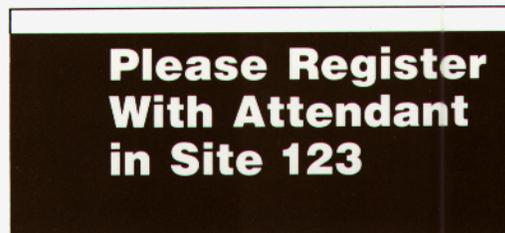
Special sign using Grid 1,  
page 7.35.



Special sign using Grid 2,  
page 7.36.



Special sign using Grid 3,  
page 7.37.



At many projects, especially in the areas west of the Mississippi River that become very dry in late summer and fall, the danger of forest fires is extreme. This sign may be used to inform visitors of this danger and by its presence, encourage their cooperation. Fire danger index signs may be placed on the road fronting a project, or at the

entrance to a specific area. Two different sizes of the sign are shown, with the larger intended for highway applications, and may be constructed as a double face installation mounted perpendicular to the road. The small size is for intra-project installations.

The sign is shown with a moveable indicator that can be appropriately placed by project personnel. The indicator scale uses standard retro-reflective colors in each of the respective panels.

Sign background is Corps Brown with white legend. Rectangular panels denoting indices of danger. Use standard retro-reflective colors used for highway sign applications, placed on a white background border as shown. These include red, orange, yellow and green as shown on page 4.12.

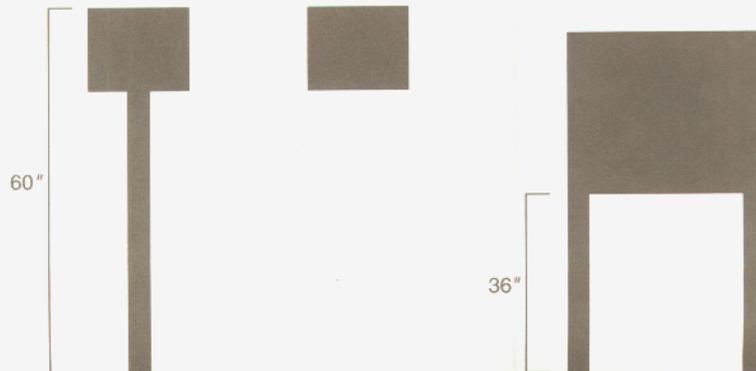
Underrule is .125A



The indicator arrow is an aluminum triangle, cut to the proportions noted. Weld threaded aluminum studs to the back of the arrow with one projecting through the back of the sign and the other used for alignment.



Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
FDI-1	1"	18" x 15.75"	4" x 4"	HDO-5/HDO-6	36"	BR/WH
FDI-1	3"	53.875" x 47.25"	4" x 4"	HDO-3	36"	BR/WH



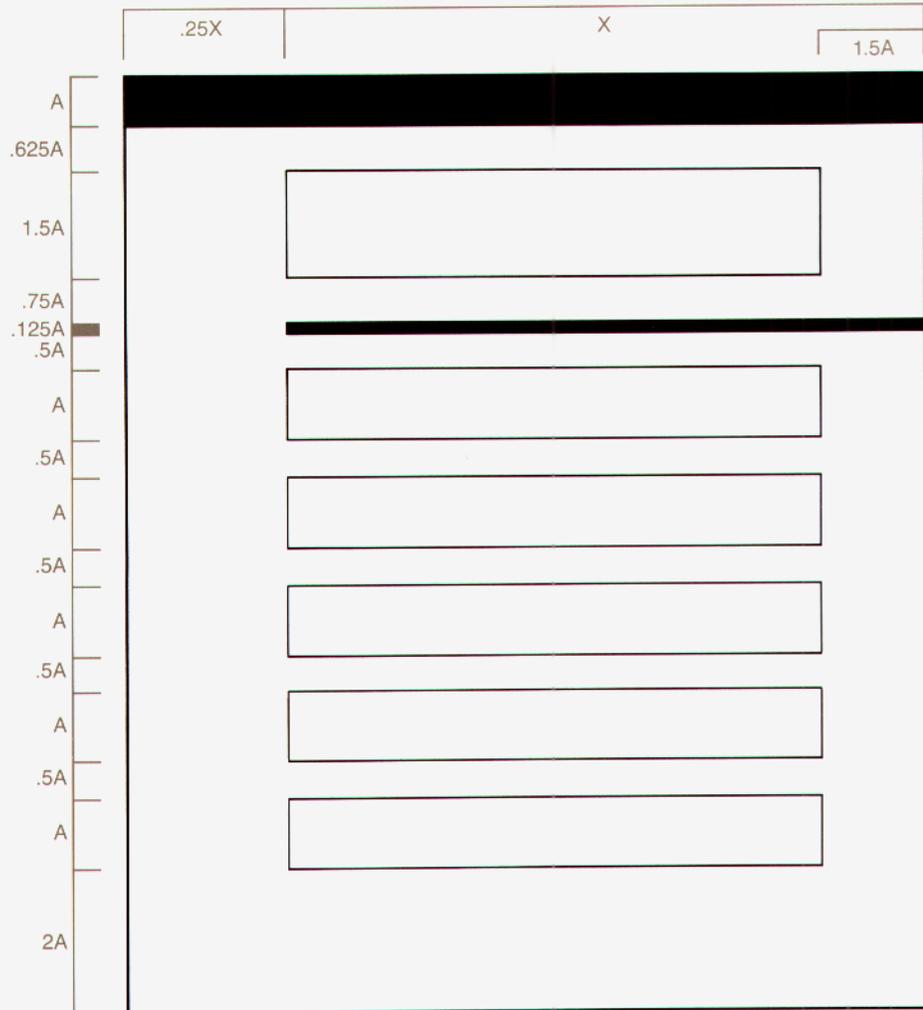
For recreation signs with a one-line head-line, use the grid illustrated below. The height of capital letters used for the legend, referred to as A, is the basic unit on which all measurements are based. Refer to the chart on page 2.6, Viewing Distance Guide, to determine the required letter size. No matter what letter size is chosen,

the relationships shown in the grid will remain the same.

The legend can be one to five lines. Regardless of the number of lines used, the bottom of the sign panel is 2A units below the baseline of the last legend line.

The grid shown is for a legend with a single message. For signs with more than one message (see BTR-01, page 7.23), place a line-space equal to A between the messages.

Underrule



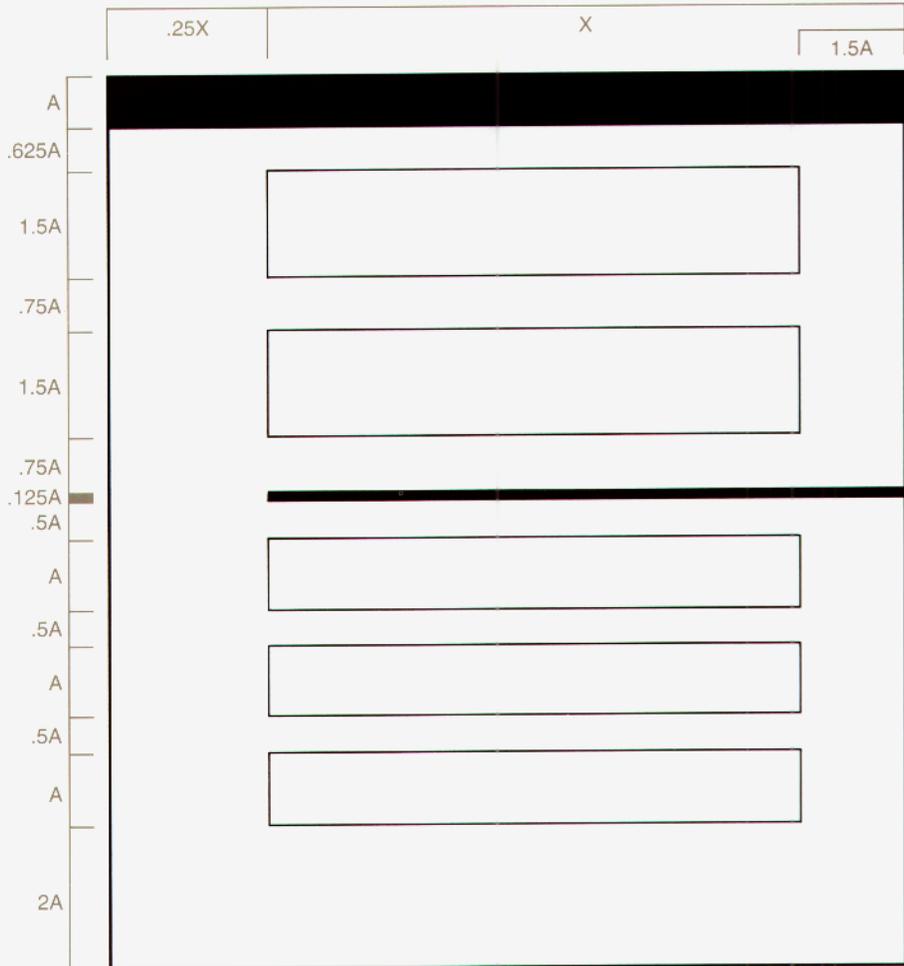
For recreation signs with a two-line head-line, use the grid illustrated below. The height of capital letters used for the legend, referred to as A, is the basic unit on which all measurements are based. Refer to the chart on page 2.6, Viewing Distance Guide, to determine the required letter size. No matter what letter size is chosen,

the relationships shown in the grid will remain the same.

The legend can be one to three lines. Regardless of the number of lines used, the bottom of the sign panel is 2A units below the baseline of the last legend line.

The grid shown is for a legend with a single message. For signs with more than one message (see BTR-01, page 7.23), place a line-space equal to A between the messages.

Underrule



For recreation signs with a legend and no headline, use the grid illustrated below. The height of capital letters used for the legend, referred to as A, is the basic unit on which all measurements are based. Refer to the chart on page 2.6, Viewing Distance Guide, to determine the required letter size. No matter what letter size is chosen, the re-

lationships shown in the grid will remain the same.

The legend can be one to four lines. Regardless of the number of lines used, the bottom of the sign panel is 2A units below the baseline of the last legend line.

