To establish minimum requirements for the siting, design, construction, and operation of marinas to serve the needs of boaters, while properly managing the State’s natural resources, and protecting public health.
Permitted uses include marinas as accessories to mixed use development, for mooring boats and/or for fueling boats.

Satisfy TVA, USACE, and State of Tennessee requirements. Marina must minimize adverse effects on flow of water, commercial boat traffic and recreational rowing, minimize dredging and minimize accumulation of sediments.

As a guide, the riverside width of marina shall not project past the TVA & USACE assessment line as shown on the regulating plan.

Minimum clear distance of fairway aisle between finger float ends shall be minimum 1.5 times the length of the longest finger float but not less than 40'. Marina length may be no longer than the property it serves.

Minimum 6' of water at normal low pool, max no deeper than river channel. If excavation is required to accomplish the minimum depth, TVA, USACE, or the State of Tennessee may require sediment testing to determine environmental impact of any potential dredging.

Marinas as accessories to mixed use development, for mooring boats and/or for fueling boats.

Dry boat maintenance, dry lifts, dry boat storage, residential boat houses, motorized boat storage, covered moorings, in-water maintenance such as pressure washing or hull scraping.
GANGWAY:
Gangways shall have a minimum clear width of 3’ and at least one gangway slope must meet ADA requirements. Gangways shall be aluminium with guardrails, handrails and kick plate. Gangways shall be hinged at one end and sliding at the other. Gangways shall be capable of disconnecting and stowing during flood events.

TOP LANDING:
Top landing shall have a minimum 5’ x 5’ platform with guardrail & lockable gate

UTILITIES:
All utilities servicing floats shall have a shut off and/or emergency disconnect adjacent to the top of the gangway. Potable water and fire suppression lines shall not be combined.

MAIN FLOATS:
Main floats shall be not less than 5’ in unobstructed width

FINGER FLOATS:
Finger floats shall be not less than 3’ unobstructed in width

IN-RIVER MARINA CONFIGURATION #1:

Diagram showing the layout of the marina, including gangways, top landing, main floats, finger floats, and utilities. The diagram illustrates the river flow, TVA and USACE Assessment Line, and ADA gangway considerations. The marina configuration includes a no rowing regatta course and guidance to use tangential main floats to follow river bank curves.
IN-RIVER MARINA CONFIGURATION #2:

- No rowing regatta course
- Subject to TVA and USACE permitting process
- Normal Pool
- Top landing with guardrail and gate
- Use tangential main floats to follow river bank curves

IN-BANK MARINA CONFIGURATION:

- Main float as breakwater for rowing and transient docking on outside
- Angled float for debris deflection
- Existing shoreline
- Fairway
- Top landing with guardrail and gate
- Use tangential main floats to follow river bank curves

Flow
STRUCTURAL LOADS:

DEBRIS DEFLECTION: Locate float systems and/or breakwater to deflect floating debris around marina

FLOATATION MATERIALS: Timber logs and wood flotation shall not be used. Concrete, steel, polyethylene, encapsulated foam, pontoon systems may be used and all floats used for fuel docks shall be concrete impervious to fuel spillage

IMPACT LOADS Waterfront structures shall be designed for impact loads from vessels and floating debris up to a 1 in 100 year flood

FLOATATION & ANCHORING: Steel guide piles or hinged steel arms must enable marina to float up to 1:100 year flood elevations plus freeboard. Fixed Marinas are not permitted

ENVIRONMENTAL CONSIDERATIONS:

SEWAGE MANAGEMENT: No sewer discharge to any waters. One fixed-point collection system at centrally located pumpout station to discharge to city sewer

FUEL MANAGEMENT: If fuel facilities are proposed, only land based underground storage tank out of floodway is permitted

ON-SHORE COMPONENTS:

OFF STREET PARKING: Not required for marinas as an accessory to residential buildings

LOADING AREA: Allow service vehicle access to top of gangway landing

SIGNS: Signs other than for navigation and regulation are not permitted