

6. Evaluate and Select Site(s)

Choose the best site(s) based on the *Site Selection Matrix* in Appendix A to narrow the preferred sites to only a few alternatives. Then focus on these sites for further detailed studies.

- **Preferred Site(s)** **6.10**

6.10 Preferred Site(s)

Narrow the site selection to just one or two preferred sites to greatly reduce study costs. In some cases, you may carry more than two sites forward. You should then conduct detailed studies on these choices to establish the most viable site. You can select the preferred alternative after careful evaluation of the major project objectives and constraints at each site. This normally includes satisfying capacity, performance, cost, proximity, and environmental criteria.

EVALUATE AND SELECT a preferred site when:

- 1) There is more than one potential site that has support from within the community.
- 2) Several sites are geographically and physically suited for harbor development.

Note 1. Use the *Site Selection Matrix* (Appendix A) as a tool for comparative analysis. It is **modified for individual quantitative evaluation on each project.**

Note 2. You must use an **objective** and **quantifiable** method to support the decision making process.

Note 3. You may want to satisfy community preferences; however, it is your job to present the best alternatives. A community that is educated about economic, engineering, and environmental constraints may change its preference.

REFERENCES:

1. ASCE Manual No. 50. Task Committee on Marinas 2000. 1982. *Planning and Design Guidelines for Small Craft Harbors*. New York. Pg. 8-20.
2. Tobiasson, B.O. & Kollmeyer, R.C. 1991. *Marinas and Small Craft Harbors*. New York: Van Nostrand Reinhold. Pg. 67-86.