

meet the highest and best use of the natural and man-made resources, efficiently meet the needs of the public to be served, and be of lasting value to the region and the nation as a whole. The options determined in the first step should be synthesized to combine the separate elements. Compatible options in the two parts would result in rational resource use objectives. Conflicting options require trade-off analysis to determine to what extent compromise can be made, or if any compromise is possible to achieve acceptable objectives. In both cases the impacts, beneficial and adverse, of implementing the compatible or compromise objective(s) should be stated. For example, the preservation of wildlife habitat could limit the development of high intensity recreational facilities in a physically suitable area, resulting in a lower attainment of tangible recreation benefits. However, preservation of the existing habitat would produce intangible benefits to society by enhancing a species otherwise likely to be lost to the area.

(b) *Diversity of opportunities.* In regions where there are a number of Corps projects, this analysis must consider the larger regional context of interrelationships which will result in a diversity of opportunities available and emphasize the particular qualities of each project. For example, one project may emphasize swimming, another project weekend camping and power boating, while still another project may provide fishing and passive recreation use such as hiking trails, nature, and ecological study areas.

(c) *Constraints.* In addition to constraints imposed by the authorizing legislation, other project purposes and resource capabilities, the resource use objectives must be consistent and compatible with State and Regional planning activities and programs. As an example, Corps management actions to achieve resource use objectives must be compatible with the State approved Best Management Practices (BMP) for waste treatment (and non-point sources of pollution) as prescribed by section 208, Federal Water Pollution Control Act Amendments of 1972 (Pub. L. 92-500), as amended.

#### § 279.9 Objective rationale.

(a) *Statement of objectives.* The last step in this process is the summarization of the preceding work by clearly stating the objective(s) and providing the rationale, impact, and basic management measures for their accomplishment. The logic, trade-offs, and judgments made in the process should be presented in a concise and readable manner. The impacts, both beneficial and adverse, that will result from attaining objectives selected must be presented. General implementation measures (e.g., campground development, use of fish attractors, limiting use in environmentally sensitive areas, lake fluctuation control, etc.) should be stated as a guide for the preparation of detailed development plans and management actions to achieve the objectives.

(b) *Purpose of objectives.* The resource use objectives for each project will guide the design, development and management of the resource base to obtain the greatest possible benefit through meeting the needs of the public and to protect and enhance environmental quality. The resource use objectives should be reflected in reports and plans relating to a study or restudy of water resource projects. Management actions on existing projects, including leasing and licensing, will also be directed towards the attainment of the approved resource use objectives.

#### § 279.10 Implementation.

(a) Resource use objectives through development and management programs will be incorporated into Phase I, and Phase II General Design Memoranda and Master Plans for authorized and completed water resource projects (report requirements depend on AE&D status of project). The establishment of resource use objectives for projects formulated under the part 290 of this chapter planning process should not require a great deal of additional effort to bring them in compliance with this regulation. However, more effort may be required for completed projects with existing use patterns and constructed facilities.

## § 279.11

(b) Regional studies are prerequisite to effective project planning for establishment of resource use objectives. Division engineers are responsible for issuing criteria and instructions, for use by district engineers, on establishing regional boundaries, conduct of regional studies and content and format of report requirements. As a minimum, one criteria to consider is that a regional boundary could be formed by double the estimated distance from the centroids of population located within the market area of any operating project. Regional boundaries need not be restricted either to States or to District hydrologic boundaries. In those cases where a region may cross District boundaries, division engineers will establish administrative responsibility. District engineers are responsible for preparation of districtwide regional boundary plans, scheduling of study efforts, and report preparation. Boundary plans, study schedules and reports shall be submitted for approval in accordance with instructions issued by the division engineer. Four copies of the approved regional boundary plan and regional study report will be furnished to HQDA (DAEN-CWP-P), WASH DC 20314 for comment, in accordance with procedures given in ER 1110-2-1150. Investigations and report preparation for regional studies may be accomplished with funds from Operation and Maintenance General appropriations programmed for preparation of individual project Master Plans. Through implementation of the regional analysis approach, it is expected that an overall savings in individual Master Plan preparation can be realized. In any event, it is not expected that the overall program cost will increase.

(c) District engineers will incorporate the establishment of resource use objectives into the on-going Master Plan preparation process. Those Master Plans currently being prepared or updated and not substantially completed should be modified to reflect this policy. Those projects with high quality resources and/or conflicts between use and current resource management should be given a high priority so that redirection of facility development and

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management programs can be implemented as soon as possible.

### § 279.11 Responsibilities.

Division engineers will review the Districts Master Plan priority schedule and monitor regional studies and Master Plan preparation to insure timely compliance on development of resource use objectives. Future budget submissions and expenditures of construction and operation and maintenance funds will be reviewed by division engineers as to their relationship to the approved resource use objectives and management implementation. Questions and requests for technical assistance concerning implementation of the concept and guidance set forth in this regulation may be directed to HQDA (DAEN-CWP-P) WASH DC 20314 or DAEN-CWOR.

#### APPENDIX A TO PART 279—SAMPLE RESOURCE USE OBJECTIVES

This appendix presents some example resource use objectives that might be derived for a water resource project. They are presented for illustrative purposes only and are not intended to represent any specific project or the full range of objectives that could be developed.

The following sample resource use objectives reflect what could result from a detailed analysis and evaluation of the resources on the project, the resources and opportunity in the general region, and the needs of the public. Each objective has a brief discussion on why that particular objective would be selected.

*Resource use objective:* To provide high quality swimming opportunity with a variety of high density day-use which include picnicking, beaches, play fields, tot lots, open space, walks, and non-power boating.

(Discussion) The analysis of regional and site specific factors indicates that this project with its small water surface and excellent water quality is not suitable for power boating; is in a suburban area with housing developments already adjacent to the project boundaries or presently planned; the natural resources have already been extensively disturbed; the soil conditions would be susceptible to extensive landscaping and could withstand high levels of public use; the water quality and waterland form characteristics are ideal for swimming and wading; there is currently a deficiency in available lake swimming, open space and day use activity facilities in the going market