The Shoshone Recreation District funded the Beck Lake Master Plan through a cooperative agreement with the City of Cody in the spring of 1992. The master planning process included both resource evaluation and public involvement in an effort to determine desired facilities and to place them in an environmentally sensitive manner.

Several town meetings with the planners were held, and a number of surveys were used to identify public sentiment concerning the project. Improvements most desired were restrooms, hiking/bicycle paths, improved parking, picnicking facilities and enhanced landscaping. The general opinion of questionnaire respondents was that motorized boating of any kind would disrupt wildlife and the peacefulness of the area. Fishing, wildlife viewing, swimming, windsurfing, non-motorized boating and picnicking were widely supported activities.

Much of the east, south and west shores of Beck and Alkali Lakes supports emergent aquatic or wet site vegetation. These areas are physically sensitive and important nesting and escape habitat for the 80 species of waterfowl and songbirds that use the area. Local pet leash laws are strictly enforced.