

SHORELINE MANAGEMENT ISSUE SHEET

MARTIN ISSUE GROUP FOUR (MIG4)

Develop a Shoreline Management Plan that takes into account project land use planning and assesses the effectiveness of Lake Martin's shoreline permitting program.

DESCRIPTION OF ISSUE

Stakeholders expressed concerns regarding shoreline management planning, permitting, enforcement of shoreline activities, and a desire to permanently protect natural/undeveloped lands.

Specific issues or areas of potential effect include:

Land Protection

- APC should permanently protect lands, via conservation easements, in perpetuity not just through land classifications
- Use of BMPs in construction areas
- Physically protect islands from development for habitat/recreation use; restore and protect Sand Island/Smith Mountain area and lands from Irwin Shoals to Camp ASCCA
- APC should acquire additional lands for land/habitat protection

Development /Enforcement

- Over development of lake - condominiums, people, aesthetics
- Obligations to issue permits to commercial operations
- Provide consistency in requirements and guidelines for permitting (permit term)
- Restrictions are needed around the power lines near Still Waters
- Apply consistent enforcement of shoreline regulations
- There is an overall lack of zoning ordinances - process should include APC and counties
- Causeways and bridges to islands - are these permitted?
- How to control condominium development
- Increase penalties (in \$) for constructing causeways and return them to their natural condition - Donut Island
- Public wants to see APC's plans for future development of APC-owned lands

- Shoreline Management Plan (SMP) should have Best Management Practices (BMP), strong education for developers, buffer zones and set backs
- Enforce shoreline management guidelines on septic systems (e.g., withhold electricity as punishment)

Land Transfers

- Develop a task force or study to look at voluntary contribution of lands on the west side
- Forbid land transfers of APC-owned lands that might change classification designation

Operations

- Cemeteries that exist under water (Coosa County)
- There should be an overall management plan to preserve/manage all resources within Project Boundary (land, water, and habitat)
- APC should assist communities in development of land management planning
- Need land use map for entire shoreline
- SMP should address erosion due to water level changes and effects on recreation and aquatic habitat
- Clarify how APC does or could manage lands above 491 ft msl and exert more management control over natural habitats

Recreation

- Keep undeveloped headwaters area that way with trails, non motorized access/activity
- Plan ahead to support growth (e.g., parks, overnight facilities, historical sites)
- Create permit system for camping on islands; charge a nominal fee

ADDITIONAL ISSUES IDENTIFIED FROM PID QUESTIONNAIRE

- No additional issues identified

GEOGRAPHIC SCOPE

- APC-owned lands within the Project Boundary

EXISTING INFORMATION

Anonymous. Undated. Shoreline Permitting Information.

- Alabama Cooperative Extension System and Natural Resources Conservation Service. Undated. Nutrient Management Planning With Animal Feeding Operations. Auburn University, Auburn, AL. 155 pp.
- Alabama Department of Environmental Management, Office of Education and Outreach, Nonpoint Source Unit. 2003. Alabama Nonpoint Source Management Program. Alabama Department of Environmental Management, Montgomery, AL. 403 pp.
- Alabama Department of Environmental Management. Undated. Alabama Nonpoint Source Management Program: 2001 Annual Report. Alabama Department of Environmental Management, Montgomery, AL. 50 pp.
- Alabama Forestry Commission. 1993. Alabama's Best Management Practices for Forestry. Alabama Forestry Commission, Montgomery, AL. 33 pp.
- Alabama Power Company. 1978. Application for Rehearing of Order Issuing New License (Major) by Alabama Power Company. Alabama Power Company, Birmingham, AL.
- . 1979. Martin Dam Project (FERC No. 349): Comprehensive Recreation Plan Exhibit R (Revised). Alabama Power Company, Birmingham, AL.
- . 1979. Martin Reservoir: Walnut Hill Water Authority. Alabama Power Company, Birmingham, AL. 10 pp.
- . 1979. Solid Waste Management Plan. Alabama Power Company, Birmingham, AL. 44 pp.
- . 1979. Comprehensive Recreation Plan: Exhibit R (Revised). Alabama Power Company, Birmingham, AL. 161 pp.
- . 1980. Instrument of Conveyance. Alabama Power Company, Birmingham, AL.
- . 1980. Application for Approval of the Grant of an Easement (Cover Letter). Alabama Power Company, Birmingham, AL.
- . 1981. Report on the Need for Tailwater Fishing Facilities Downstream from Martin Dam. Alabama Power Company, Birmingham, AL. 3 pp.

- . 1981. Amendment of the License for Project No. 349 By Adding Article No. 56. Alabama Power Company, Birmingham, AL.
- . 1982. Fee Title to Russell Lands, Inc. Alabama Power Company, Birmingham, AL.
- . 1982. Martin Dam Lands Road Easement to Tallapoosa County. Intracompany Correspondence. Alabama Power Company, Birmingham, AL.
- . 1983. Martin Reservoir Project Lands Elmore County Boat Launch Ramp at Castaway Island. Intracompany Correspondence. Alabama Power Company, Birmingham, AL.
- . 1983. Modification to Lease for Camp ASCCA. Intracompany Correspondence. Alabama Power Company, Birmingham, AL.
- . 1985. Wind Creek State Park Fishing Pier. Alabama Power Company, Birmingham, AL. 5 pp.
- . 1985. Kowaliga Beach Resort and Marina. Alabama Power Company, Birmingham, AL.
- . 1985. Martin Dam Lands Boat Launch Leases. Intracompany Correspondence. Alabama Power Company, Birmingham, AL.
- . 1985. Notification to the Commission of Intent to Issue a Commercial Permit to Russell Lands for an Additional Structure. Alabama Power Company, Birmingham, AL.
- . 1986. Report of Uses of Project Lands and Water. Alabama Power Company, Birmingham, AL.
- . 1986. Report on Uses of Project Lands and Waters. Alabama Power Company, Birmingham, AL. 5 pp.
- . 1988. Report of Uses of Project Lands and Water. Alabama Power Company, Birmingham, AL.
- . 1992. Report of Uses of Project Lands and Water. Alabama Power Company, Birmingham, AL.
- . 1992. Comprehensive Recreation Plan Revision. Alabama Power Company, Birmingham, AL.
- . 1992. Notice to Amend the Comprehensive Management Plan (Exhibit R). Alabama Power Company, Birmingham, AL.

- . 1993. Application for the Amendment of Project License. Alabama Power Company, Birmingham, AL. 12 pp.
- . 1993. Application for Amendment of Project License (Comprehensive Recreation Plan). Alabama Power Company, Birmingham, AL. 16 pp.
- . 1993. Comments on Environmental Assessment. Alabama Power Company, Birmingham, AL.
- . 1994. Mitigation Plan for Loss of Wetland and Fish Habitat. Alabama Power Company, Birmingham, AL.
- . 1996. Response to Issues Raised Over General Public Use Area #7. Alabama Power Company, Birmingham, AL.
- . 1996. Martin Recreation Plan. Alabama Power Company: Birmingham, AL.
- . 1997. Application for Non-Capacity Amendment and 1997 Report on Recreation. Alabama Power Company, Birmingham, AL.
- . 2000. CEWA Delinquent Quarterly Reports. Alabama Power Company, Birmingham, AL.
- . 2000. CEWA Intent to Increase Withdrawal. Alabama Power Company, Birmingham, AL.
- . 2001. CEWA Water Intake Inspection Results. Alabama Power Company, Birmingham, AL.
- . 2001. CEWA Water Withdrawal Facility Noise. Alabama Power Company, Birmingham, AL.
- . 2002. River North Marina Project Additional Information. Alabama Power Company, Birmingham, AL.
- . 2003. FWS Concerns Regarding Willow Point Golf and Country Club Easement. Alabama Power Company, Birmingham, AL.
- . 2003. U.S. Fish and Wildlife Comment on Willow Point Golf and Country Club Renovations, Lake Martin, Tallapoosa County, Alabama. Alabama Power Company, Birmingham, AL.
- . 2005. Proposed Amendment to the Project License. Alabama Power Company, Birmingham, AL.

- . 2006. Timber Land Cover Associations on APC Timber Managed Property. Alabama Power Company, Birmingham, AL.
- . Undated. Report on the Martin Dam Project. Alabama Power Company, Birmingham, AL. 48 pp.
- Alabama Statistical Office. 2004. Alabama Agricultural Statistics. Bulletin 46. Alabama Statistical Office, Montgomery, AL.
- Auburn University and Natural Resources Conservation Service. 2002. Alabama Aquaculture Best Management Practices. Auburn University, Auburn, AL.
- Balch and Bingham. 1995. Comments of Alabama Power Company on the Preliminary Economic Analysis Prepared for Central Elmore Water Authority's Application for Non-Project Use of Project Land and Water. Balch and Bingham, Birmingham, AL. 9 pp.
- . 1995. APC's Comments on CEWA Application. Balch and Bingham, Birmingham, AL. 13 pp.
- . 1996. Settlement Agreement Between APC and CEWA. Balch and Bingham, Birmingham, AL. 17 pp.
- Beg, M. 1988. Mineral Resources of Tallapoosa County, Alabama. Special Map 204. Geological Survey of Alabama, Tuscaloosa, AL.
- Brackeen, L. G., H. Sherard, R. S. Farnham, P. Thomas, V. O. Callahan, C. L. McIntyre, R. Wildermuth, B. H. Williams, G. A. Swenson, M. Drosdoff, and M. H. Layton. 1955. Soil Survey of Elmore County, Alabama. Series 1939, No. 26. U.S. Department of Agriculture, Washington, D.C.
- Brock, E. C. 1975. Facilities Plan: Wind Creek State Park. Urban Consultants, Inc., Montgomery, AL. 172 pp.
- CH2MHILL. 2005. Tallapoosa River Basin Management Plan. Alabama Clean Water Partnership, Montgomery, AL.
- Choctawhatchee, Pea And Yellow Rivers Watershed Management Authority. 2000. A Guideline For Maintenance And Service Of Unpaved Roads. Choctawhatchee, Pea And Yellow Rivers Watershed Management Authority, Dothan, AL. 59 pp.

- Collins, P., (ed). 2003. Alabama County Data Book 2003. Eighteenth Edition. Alabama Department of Economic and Community Affairs: Montgomery, AL.
- Davis, M. M. 1997. Tri-State Comprehensive Study Riparian Wetland Element; Report 1: "Relationships Between Flow and Habitat Value in the Alabama-Coosa-Tallapoosa/Apalachicola-Chattahoochee-Flint (ACT/ACF) River Basins". Miscellaneous Paper EL-97-2. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Dove, L. P. and M. R. Kress. 1997. Tri-State Comprehensive Study Riparian Wetland Element; Report 2: "Wetland Characterizations in the Alabama-Coosa-Tallapoosa/Apalachicola-Chattahoochee-Flint (ACT/ACF) River Basins". Miscellaneous Paper EL-97-2. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- . 1997. Tri-State Comprehensive Study, Reservoir Resource Element; Report 3: "Wetland Characterizations Within Four Lake Study Areas in the Alabama-Coosa-Tallapoosa/Apalachicola-Chattahoochee-Flint (ACT/ACF) River Basins". Miscellaneous Paper EL-97-2. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- EDAW, Inc. 1991. Martin Reservoir Land Management Plan. Alabama Power Company, Birmingham, AL. 98 pp.
- Federal Energy Regulatory Commission. 1978. Order Granting in Part and Denying in Part Application for Rehearing. Federal Energy Regulatory Commission, Washington, D.C.
- . 1978. FERC Relicenses Alabama Power's Martin Dam Hydro Project with Added Capacity. Press Release. Federal Energy Regulatory Commission, Washington, D.C.
- . 1981. Order Approving Revised Exhibit R. Federal Energy Regulatory Commission, Washington, D.C. 8 pp.
- . 1981. Notice of Application for Approval of Exhibit R. Federal Energy Regulatory Commission, Washington, D.C. 2 pp.
- . 1981. Order Approving Revised Exhibit R. Federal Energy Regulatory Commission, Washington, D.C. 4 pp.
- . 1986. Order Approving Change in Land Rights. Federal Energy Regulatory Commission, Washington, D.C.

- . 1993. Notice of Application Filed with the Commission. Washington, D.C. 7 pp.
- . 1993. Additional Information Request: Supporting Documentation for Land Exchange with Mr. Granger. Federal Energy Regulatory Commission, Washington, D.C.
- . 1993. Environmental Assessment for Amendment of License. Federal Energy Regulatory Commission, Washington, D.C. 12 pp.
- . 1994. Notice of Availability of Environmental Assessment. Washington, D.C. 17 pp.
- . 1994. Order Approving Non-Project Use of Project Lands In Part with Modification, Denying Application in Part, and Requiring Project Shoreline Inventory. Federal Energy Regulatory Commission, Washington, D.C. 14 pp.
- . 1995. CEWA. Federal Energy Regulatory Commission, Washington, D.C.
- . 1995. Order Amending Recreation Plan. Federal Energy Regulatory Commission, Washington, D.C.
- . 1996. Order Approving Application for Non-Project Use of Project Lands and Waters and Referring Compensation Issue to Settlement Judge. Federal Energy Regulatory Commission, Washington, D.C. 23 pp.
- . 1996. Order Approving Settlement. Federal Energy Regulatory Commission, Washington, D.C. 19 pp.
- . 1996. Notice of Availability of Final Environmental Assessment. Federal Energy Regulatory Commission, Washington, D.C. 7 pp.
- . 1996. Order Denying Rehearing. Federal Energy Regulatory Commission, Washington, D.C. 1 pp.
- . 1997. Order Approving Landscaping Plan. Federal Energy Regulatory Commission, Washington, D.C. 1 pp.
- . 1997. Order Approving Erosion and Sediment Control Plan. Federal Energy Regulatory Commission, Washington, D.C. 1 pp.
- . 1998. Notice of Amendment of License. Federal Energy Regulatory Commission, Washington, D.C. 4 pp.

- . 1998. Notice of Recreation Plan (Exhibit R). Federal Energy Regulatory Commission, Washington, D.C.
 - . 1999. Order Approving Non-Project Use of Project Lands and Waters. Federal Energy Regulatory Commission, Washington, D.C. 3 pp.
 - . 2001. Land Conveyance for Sewage Outfall Pipe; Article 58. Federal Energy Regulatory Commission, Washington, D.C.
 - . 2002. Authorization to Convey Easement for Extension of Water Intake; Article 58. Federal Energy Regulatory Commission, Washington, D.C.
 - . 2003. Request for Easement Across Martin Dam Project Lands for Renovations at Willow Point Golf and Country Club; Article 58. Federal Energy Regulatory Commission, Washington, D.C.
 - . 2005. Notice of Application for Amendment of License and Soliciting Comments, Motions to Intervene, and Protests. Federal Energy Regulatory Commission, Washington, D.C. 1 pp.
 - . 2005. Environmental Assessment: Application for Non-Project Use of Project Lands and Waters: Alabama Power Company: Martin Dam Hydroelectric Project: Tallapoosa County, Alabama: FERC Project No. 349-091. Environmental Assessment. Federal Energy Regulatory Commission, Washington, D.C. 15 pp.
- Formby, J. R., Jr. 1995. Comments of CEWA on Environmental Assessment. John R. Formby, Jr., Wetumpka, AL. 21 pp.
- Georgia Department of Natural Resources, Environmental Protection Division. 1998. Tallapoosa River Basin Management Plan 1998. Georgia Department of Natural Resources, Environmental Protection Division, Atlanta, GA.
- Gilliam, W. B. Undated. Alabama Power Company Martin Dam Geologic Report. 303 pp.
- Granger, R. 1993. Response: Environmental Assessment for the Application to Approve Excavation of Two Sloughs at the Lake Martin Project, FERC No. 394-024-Alabama.

- Hamlett, J. D. 1995. Comments of the Water Works and Sanitary Sewer Board of the City of Montgomery to the Environmental Assessment Issued by the Federal Energy Regulatory Commission. Sasser and Littleton, P.C., Montgomery, AL. 34 pp.
- Hanson, T. R. 1998. Economic Impact of Environmental Characteristics on Recreational Demand. Dissertation. Auburn University, Auburn, AL. 236 pp.
- Hanson, T. R. and L. U. Hatch. Undated. Impact Of Reservoir Water Level Changes On Lakefront Property And Recreational Values.
- Hanson, T. R., L. U. Hatch, and H. C. Clonts. 2002. Reservoir Water Level Impacts on Recreation, Property, and Nonuser Values. Journal of the American Water Resources Association 38(4):1007-1018.
- Kleinschmidt Associates and Alabama Power Company. 2006. Martin Hydroelectric Project: Preliminary Information Document. Alabama Power Company, Birmingham, AL.
- MCW Development, Inc. 1994. Comment Letter: Comprehensive Recreation Plan. MCW Development, Inc., Birmingham, AL.
- Merklein, G. 1992. Martin SCORP Data. EDAW, Inc., Atlanta, GA. 10 pp.
- Multi-Resolution Land Characteristics Consortium. 2001. National Land Cover Database 2001 (NLCD 2001) web page. http://www.mrlc.gov/mrlc2k_nlcd.asp, accessed on November 28, 2006. Multi-Resolution Land Characteristics Consortium.
- National Agricultural Statistics Service, Alabama Field Office. 2005. Alabama Agricultural Statistics. Bulletin 47. National Agricultural Statistics Service, Alabama Field Office, Montgomery, AL.
- . 2006. Alabama Agricultural Statistics. Bulletin 48. National Agricultural Statistics Service, Alabama Field Office, Montgomery, AL.
- Rheams, K. 1984. Mineral Resources of the Alabama Piedmont. Map 200. Geological Survey of Alabama, Tuscaloosa, AL.
- Rosgen, D. 1996. Applied River Morphology. Wildland Hydrology: Pagosa Springs, CO.
- Sapp, D. and J. Emplainment. 1975. Physiographic Regions of Alabama. Map 168. Geological Survey of Alabama, Tuscaloosa, AL.

- Simons, D. B., J. W. Andrew, R. M. Li, and M. A. Alawady. 1979. Connecticut River Streambank Erosion Study: Massachusetts, New Hampshire and Vermont. DACW 33-78-C-0297. U.S. Army Corps of Engineers, Washington, D.C.
- Smith, H. C. and P. H. Avery. 1910. Soil Survey of Tallapoosa County, Alabama. U.S. Department of Agriculture, Washington, D.C.
- Stoney Ridge, LLC. 2004. Request for Minor Access Road Approval: The Preserve at Stoney Ridge. Stoney Ridge, LLC, Peachtree City, GA.
- Tallapoosa County. Undated. Tallapoosa County Building Requirements.
- Taylor, A. 1929. Soil Survey of Coosa County, Alabama. U.S. Department of Agriculture, Washington, D.C.
- U.S. Department of Agriculture, Soil Conservation Service, Economic Research Service, and Forest Service. 1977. Alabama River Basin Cooperative Study.
- Weston Geophysical Corporation. 1978. In-Situ Seismic Velocity Measurements: Martin Dam. Alabama Power Company, Birmingham, AL. 35 pp.
- Winston, R. A. and A. C. McGehee. 1913. Soil Survey of Elmore County, Alabama. U.S. Department of Agriculture, Washington, D.C.

CURRENT ANALYSIS/STUDY

- APC is updating land use maps
- Using LIDAR data, APC will verify the Project Boundary and present on the map

ADDITIONAL INFO/STUDY

- Develop a Shoreline Management Plan
- Evaluate effects on permitting/shoreline activities as result of proposed rule curve change