

Beaver Brook Currents

DEDICATION A SUCCESS FOR THE JOHN ROSCOE RESERVOIR AND DAM AT UPPER BEAVER BROOK

Under a blue sky, next to the lake and forest, a gathering of about sixty people assembled on the crest of the dam near the newly constructed spillway weir. Neighbors of the Beaver Brook watershed, Board and staff of the Lookout Mountain Water District, John Roscoe and Eugenie Roscoe, together with their family, and many other friends, customers and past Board members, joined in the celebration. The group was recognizing twenty-five years of service by John G. Roscoe to the Lookout Mountain Water District, including the re-naming of the Upper Beaver Brook Reservoir and Dam. On July 8, 2017, the permanent marker was dedicated as the John Roscoe Reservoir and Dam at Upper Beaver Brook and past Board President John Roscoe cut the blue ribbon.

President Robert Heine, past President H. Court Young and Director Dean Snyder gave welcoming remarks, commented on the history and future of the Water District, provided an overview of the construction project and handed out thank you cards and gifts.

Director Heine said, "All of us on the Board are so glad that John and his wife Eugenie are able to join us here this morning for this dedication. We are also happy that so many members of John and Eugenie's family are here today, including sons and daughters Erica West, Eugenie & Geoffrey Schlittgen, Robert Roscoe, who came over from Missouri, and Kathy Christy, who flew down from Alaska. We are also here to celebrate the completion of the UBB reservoir capacity improvement project. This \$2.5 million project will expand our reservoir capacity by almost 150 acre-feet and help the District manage the droughts we expect in the years to come. This project would not have been possible without John's leadership and the hard work of so many current and former board members."

Lookout Mountain Water District Board of Directors who were influential to the success of this project include Don Ranta, Bob Heine, Barb Nevins, Dean Snyder, Court Young, Richard Kunter, Verl Murugaverl, Mark Mancini, Bob Gray, Gail Hoyt, Dick Over (many were present or sent their regards) and the late Bill Siefert. Others who worked directly on the project include Greg Leggott, the project manager for SEMA Construction, the folks who built the weir; Chad Masching, Tom Daigle, and Margaret Kimball, the engineers at GEI Consultants, who designed the project and managed it during construction. Others thanked for their efforts on the project and/or this event: Jeff Sucher, Jeremy Wheeler, and Bob Clodfelter of Treatment Technology, who operate the District; Richard Toussaint, legal counsel for the District; and Margot Zallen, who chaired the committee leading to the founding of the District for eleven years preceding 1988; current District administrators Sue Fletcher and Christina Shea along with her husband Jim Shea. Cristy Radabaugh, water engineer, and the late Craig Green, former water engineer, were also recognized for their many years of efforts. Director Heine closed his remarks by saying "The customers of the LMWD owe a tremendous debt to all of you, and we thank you from the bottom of our hearts."

Director Snyder remarked, "Fully aware of the need for more water storage, several years ago the Board of Directors initiated the process of addressing a solution. Working closely with GEI Consulting engineers and the state water authorities, a preliminary design was put together that would dramatically increase the storage capacity of the Upper Beaverbrook reservoir. The flood of 2013 resulted in modifications to the design of the spillway and impact to the Lower Beaver Brook dam, to prepare for the next one. Once the overall design was acceptable to the State Engineers, financing was secured from CWCB (Colorado Water Conservation Board) and SEMA Construction was selected to build the concrete labyrinth weir structure inside the existing spillway. The team of SEMA, GEI and LMWD have now completed this project ahead of schedule and under budget!"



back row: (l to r) Robert Roscoe, David Fulton, Hal Ward, Geoffrey Schlittgen
middle row: (l to r) Erica West, Kathy Christy, Eugenie Schlittgen
John & Eugenie Roscoe (seated)



Cara, Evelyn and Tom Daigle. Tom Daigle PG, of GEI managed the project on-site on behalf of the District on a daily basis during active construction.



Dean Snyder, Marc Mancini, Dick Over, Bob Gray, Court Young, President Bob Heine, Gail Hoyt
(Current or Former Board of Directors, left to right)

Eugenie and John Roscoe (seated)

DID YOU KNOW?

....the reservoir is the primary drinking water supply to 500 homes, the Clear Creek High School, and other places such as Buffalo Bill's Grave and Chief Hosa/Buffalo Overlook.

The public and community are reminded that the District's water is best enjoyed as a place of peaceful beauty. Active recreation such as swimming, wading, rafting or boating, and dogs in the water are all PROHIBITED. Camping and fires are also prohibited 24/7 - 365.

Diving or swimming anywhere in the lake or near the dam is prohibited and dangerous, due to unseen rocks, fallen trees and other hazards such as shallow water. Within the watershed, waste removal is not provided by the Forest Service or the District, so all dog waste and other human generated trash must be packed out.

The regulations regarding the land surrounding the District's private land are set by the Forest Service. The land immediately surrounding the reservoir and dam is District owned and therefore its rules and regulations on the private land will be enforced.

BEFORE — early during construction (inside the spillway)

AFTER — storing water (inside the spillway weir)



~ ~ ~ Project Recap ~ ~ ~

Goal: Within the John Roscoe Reservoir at Upper Beaver Brook, increase raw water storage capacity by 54% of previous total capacity and therefore improve the ability of LMWD to manage a drought lasting more than one year.

- Before: 257 Acre Feet / After: 397 Acre Feet
- Water Right Appropriation Date: December 29, 2011
- Planning Phase: 2011 to 2015
- Design Phase: 2013 to 2016
- CWCB Loan Approved: February 2016
- Project Bid: April 2016
- Construction Phase: June 2016 to June 2017
- Engineer: GEI Consultants, Inc.

- Contractor: SEMA Construction, Inc.
- Permits:
 - Dam Safety Branch, Office of the State Engineer
 - Colorado Division of Water Resources
 - Arapahoe and Roosevelt National Forests
- Funding Sources:
 - Colorado Water Conservation Board
 - Department of Local Affairs, State of Colorado
 - Lookout Mountain Water District Water Activity Enterprise
- Total Estimated Cost: \$3,409,000
- CWCB Loan Maximum: \$3,068,000
- Planning and Design Grant: \$125,000