



Parks & Open Space

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PARKS & OPEN SPACE ADVISORY COMMITTEE MEETING

Time/Date of Meeting: 6:30 p.m., Thursday, May 23, 2024

Location: Boulder County Courthouse
1325 Pearl Street, Third Floor, Boulder

TO: Parks & Open Space Advisory Committee

FROM/PRESENTER: Tim Zych, Project Manager and Obadiah Broughton, Project Coordinator/Planner

AGENDA ITEM: Howell Ditch Reconstruction Project and Prince Lake No. 1 Dam Rehabilitation Project

ACTION REQUESTED: Information Only

Introductions

Boulder County Parks & Open Space (BCPOS) is currently managing two capital projects of significant importance for flood control, stream resilience, and ecosystem health. This memo and attachments provide a brief overview of each project for POSAC review.

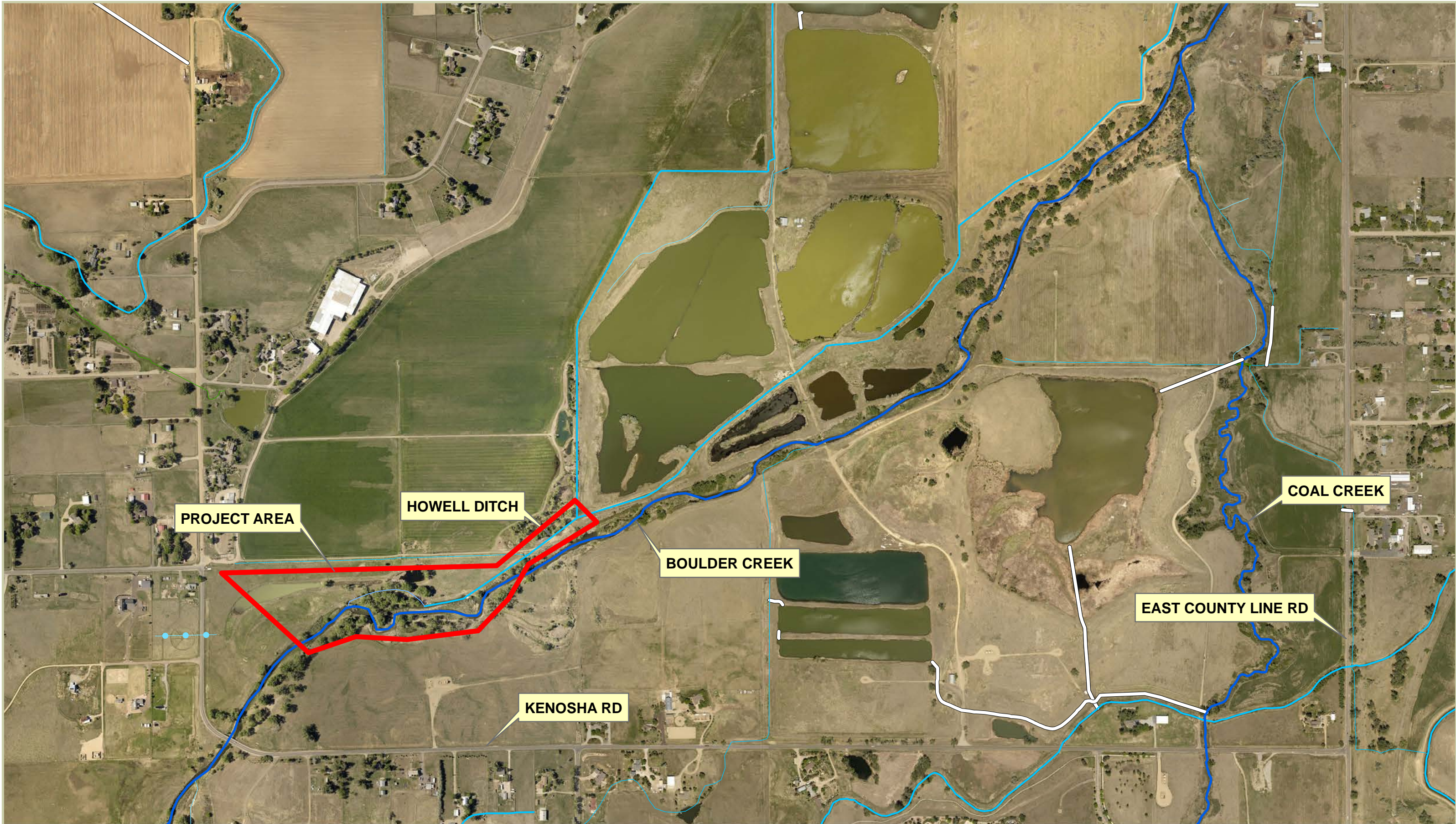
Howell Ditch Reconstruction Project: BCPOS is working in partnership with the Mile High Flood District and the City of Boulder to design and construct a permanent ditch diversion structure to replace a seasonally constructed push-up dam on a reach of East Boulder Creek near County Line Road just northwest of Erie (see Attachment 1) on Prairie Run Open Space. The project will also complete approximately 1800 linear feet of stream restoration using natural channel design concepts to restore a wide floodplain and enhance the ecological diversity of the stream. The project will advance water conservation and water efficiency goals, improve stream and ecosystem health. This project will connect to the future restoration of East Boulder Creek as prescribed in the recently approved management plan. The design phase will be completed this year with construction to be completed in 2025. Total project costs are estimated at \$4,371,000 with funding coming from Boulder County, City of Boulder, Mile High Flood District, the Colorado Water Conservation Board, and FEMA.

Prince Lake No. 1 Dam Rehabilitation Project: Prince Lake No. 1 is agricultural water reservoir on the Eddy Open Space Property just west of N.111th street, north of Arapaho Road and east of Highway 287. It is west of the Town of Erie's Flatiron Meadows subdivision (see Attachment 2). The Colorado State Engineers Office (SEO) recently upgraded the dam's hazard classification from low to significant. In accordance with Colorado Dam Safety Regulations, significant improvements are required to bring it into compliance with the newly applicable significant hazard classification. This project will upgrade and modernize the dam and its infrastructure to meet these regulations and reduce hazards associated with it. In addition, this project will improve the County's ability to operate the reservoir and to ensure agricultural water can continue to be stored and used by County agricultural tenants and two neighboring property owners well into the future. BCPOS has completed the Final Design Plans, and they are approved by the SEO. An

application has been submitted to FEMA for Hazard Mitigation Grant Program (HMGP) construction funding, in the amount of \$2,833,365, to support this project. It is anticipated FEMA will issue an award notification later this year, with construction starting fall of 2025 and completion in spring of 2026. Total project costs are estimated at \$3,777,000 with funding coming from FEMA and Boulder County.

POSAC Action Requested
Information Only

Attachments: Maps of each project location



Prince Lake No. 1 Dam Rehabilitation Project - Location Map

