Level 4 Potential Conservation Area (PCA) Report

Name Hertha Reservoir Ridge **Site Code** S.USCOHP*590

IDENTIFIERS

Site ID 1889 **Site Class** PCA

Site Alias None

Network of Conservation Areas (NCA)

NCA Site ID	NCA Site Code	NCA Site Name
2528	S.USCOHP*27454	Front Range Foothills-Carter Lake to Boulder

LOCATORS

Nation United States **Latitude** 401826N

State Colorado **Longitude** 1051026W

Quad Code	Quad Name
40105-C2	Carter Lake Reservoir

County

Larimer (CO)

Watershed Code	Watershed Name
10190006	Big Thompson

SITE DESCRIPTION

Minimum Elevation	5,200.00	**Feet**	1,584.96	**Meters**
Maximum Elevation	5,440.00	**Feet**	1,658.11	**Meters**

Site Description

This site encompasses a small hogback ridge of exposed Niobrara limestone and shale. A county road bisects the ridge. A housing development occupies the central portion of the site and this portion is no longer of conservation value. Properties north and south of the development are privately owned as 35 acre and larger parcels. Depending on property management, these parcels may continue to support Bell's twinpod (Physaria bellii).

Key Environmental Factors

No Data

Climate Description

No Data

Land Use History

No Data

Cultural Features

No Data

SITE DESIGN

Site Map P - Partial **Mapped Date** 02/08/2005

Designer Doyle, G.A.

Boundary Justification

The boundary includes the occurrence and adjacent slopes on the hogback. Included within the boundary are areas that have been developed as residential housing. These areas are not considered of conservation value but have been included as they separate areas that may still be in relatively natural condition.

Primary Area	703.97	**Acres**	284.89	**Hectares**

SITE SIGNIFICANCE

Biodiversity Significance Rank B4: Moderate Biodiversity Significance

Biodiversity Significance Comments

This site supports a fair (C-ranked) occurrence of Bell's twinpod (Physaria bellii), a globally imperiled (G2G3/S2S3) plant. The area has undergone residential development and the landscape context is poor. The last thorough survey of the area was in the mid-1980s. Since then, portions of the site have been highly altered by residential development, and the current quality of the occurrence is uncertain. In order to compensate for lack of thorough survey of the area and poor landscape context the biodiversity rank of the site was lowered from B3 to B4. Before proceeding with protection actions at this site, a thorough assessment of the site should be performed.

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Other Values Rank No Data

Other Values Comments

No Data

LAND MANAGMENT ISSUES

Land Use Comments

No Data

Natural Hazard Comments

No Data

Exotics Comments

No Data

Offsite

No Data

Information Needs

No Data

ASSOCIATED ELEMENTS OF BIODIVERSITY

Element State ID	State Scientific Name	State Common Name	Global Rank	State Rank	Driving Site Rank
23937	*Physaria bellii*	Bell's twinpod	G2G3	S2S3	Yes

REFERENCES

Reference ID	Full Citation
192692	Doyle, G.A., S.L. Neid and R.J. Rondeau. 2005. Final Report: Survey of Critical Biological Resources, Larimer County, Colorado. Colorado Natural Heritage Program, Fort Collins, CO.
166568	Kettler, S., J. Sanderson, S. Spackman, K. Fayette, C. Pague, D. Clark, and A. Hicks. 1996. Final Report: Significant plant, animal, and wetland resources of Larimer County and their conservation. Colorado Natural Heritage Program, Fort Collins, CO.

ADDITIONAL TOPICS

Additional Topics

Original site design by Reid, M. 1991-06-26.

VERSION

Version Date 02/08/2005

Version Author Doyle, G.A.

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