

CODEX Update (1:00-1:25)



Colorado's Conservation Data Explorer

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Why did we launch CODEX?

To help everyone in Colorado make better decisions by giving them interactive, easy to use access to critical spatial data from many sources and providing useful reports of high-quality data

- We need a one stop shop for the key data



Partners in launching CODEX



Development team for building and maintaining the CODEX, host the app on AWS, play the same role in 10 other states



Home of the CODEX, provide data, manage data layers and queries in the tool, develop new features, conduct trainings and provide support



Lead partner in providing critical data and key funding for the CODEX



Helping to develop and refine the CODEX for serving the Land Trust community



CODEX Funding Partners



Individual
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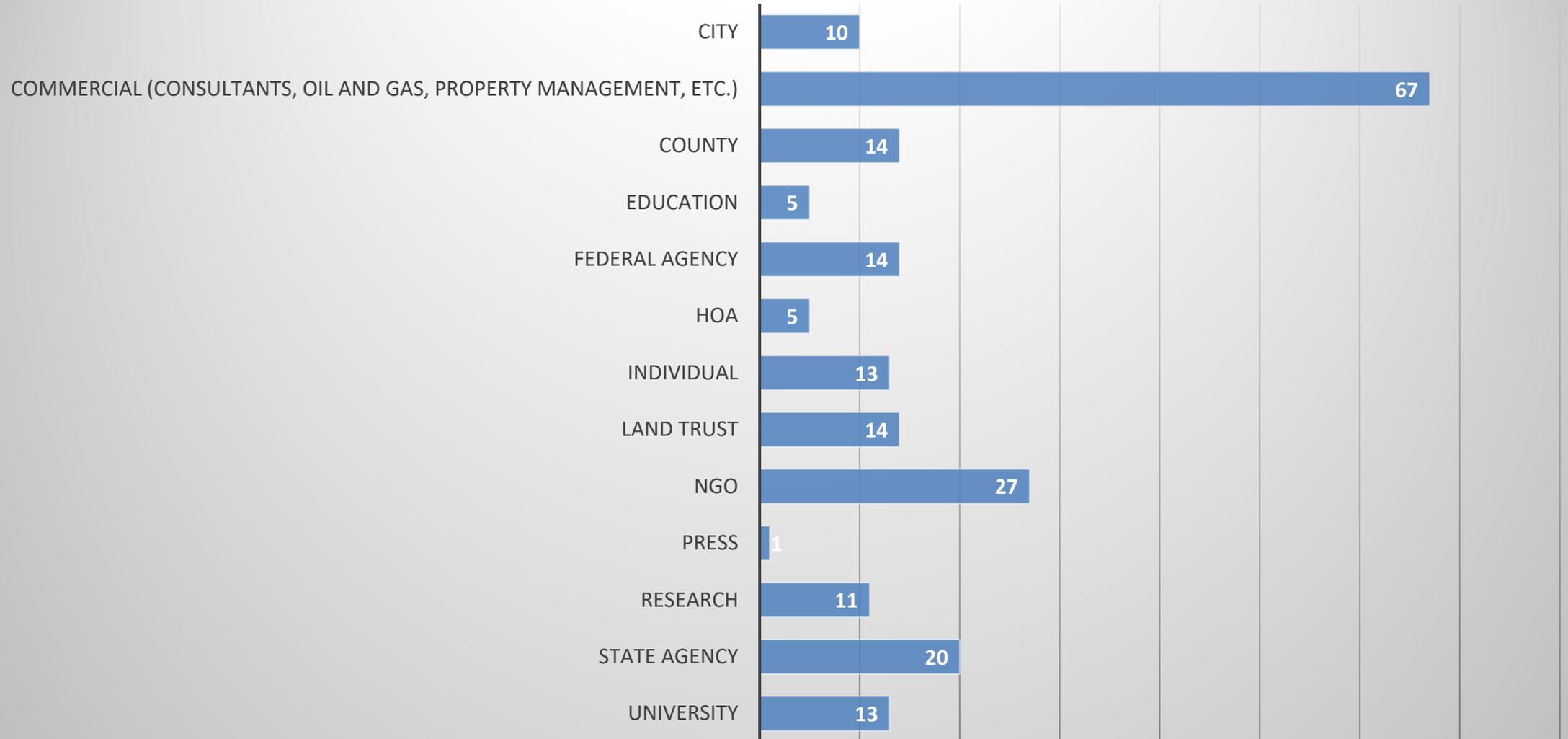


The CODEX Community

CO Parks and Wildlife • CSU • Gates Family Foundation • US Forest Service • Bureau of Land Management • Industry and Private Consulting • Bird Conservancy of the Rockies • USFWS • NRCS • Regulatory Agencies • Keep it Colorado • CO Division of Conservation • CO State Land Board • CO Department of Transportation • Municipalities and Counties • Trails planners and advocates • TNC • Project Proponents and Reviewers • Land Trusts • Conservation NGOs • GOCO • COGCC • NatureServe • Land Owners • Academic Research • Interested Public • Tribes • Politicians • Regional Partnerships • Colorado Outdoor Partnership



517 Users & 214 Organizations Using CODEX Since Launch on Nov 1, 2021



codex.cnhp.colostate.edu



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CODEX: COLORADO'S CONSERVATION DATA EXPLORER

Supporting Smart and Sustainable Decisions



Welcome to Colorado's Conservation Data Explorer (CODEX) — a one stop shop for synthesizing conservation data from the [Colorado Natural Heritage Program \(CNHP\)](#), [Colorado Parks and Wildlife \(CPW\)](#), [Bird Conservancy of the Rockies \(coming soon\)](#), [US Fish and Wildlife Service \(USFWS\)](#), [NatureServe](#) and many other sources.

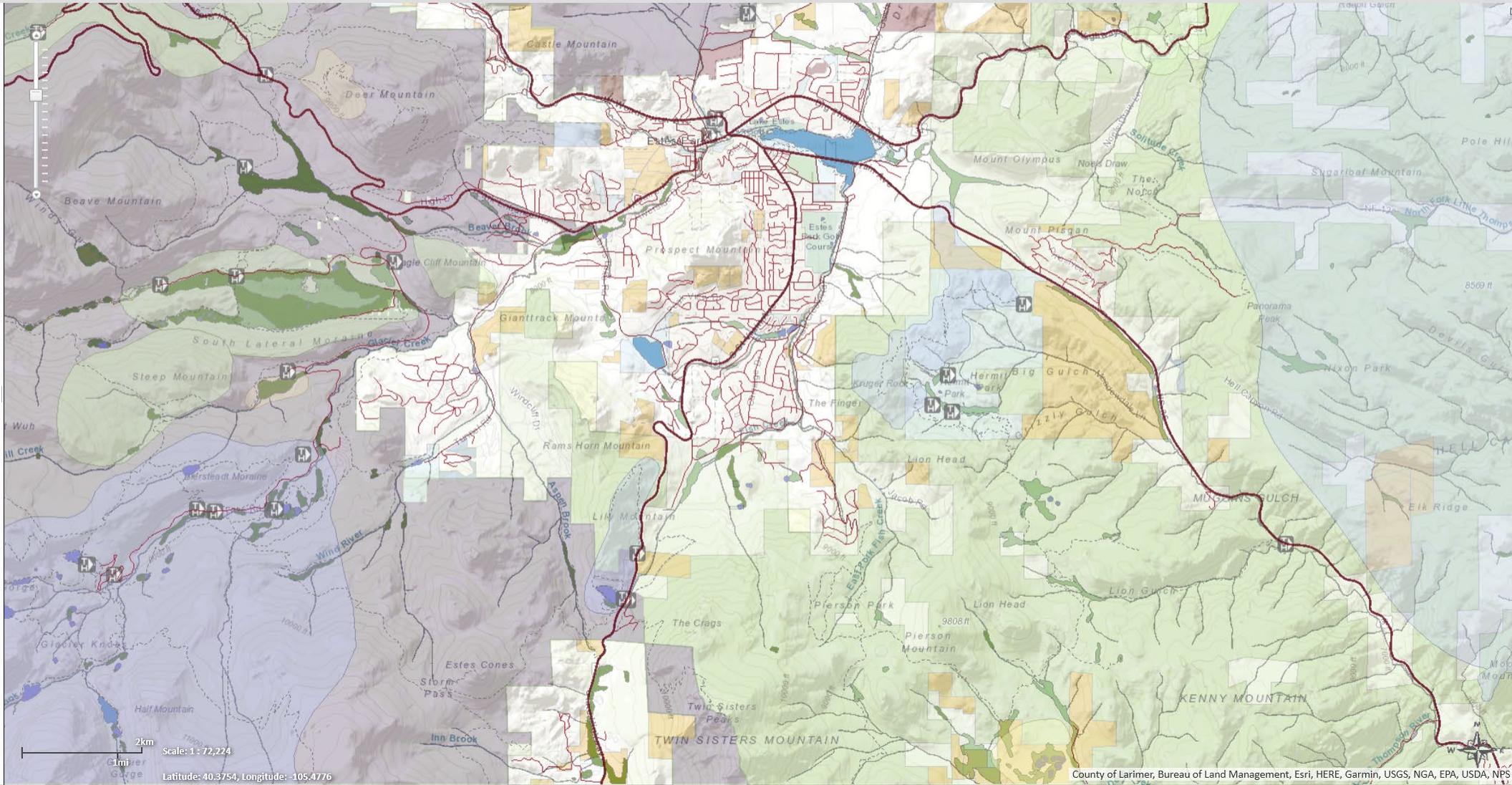


Switch Basemap Add Resources Create Project ROI Report

Find address or place

Layers Make a Map Feature Search

- Parcels by County
- Cities and Counties
- Transportation
- Trails
- Public Land Survey System (GCDB)
- Species and Habitats**
 - CNHP Rare Species & Communities (Public)
 - CNHP Species Range Maps (Public)
 - CPW Species Activity Mapping (Public)
- Special Areas**
 - Wild and Scenic Rivers
 - CNHP Potential Conservation Areas (Public)
 - SLB Stewardship Trust
 - FWS Critical Habitats
 - Audubon Important Bird Areas
- Natural Features**
 - Land Cover (NLCD 2016)
 - Ecoregions (EPA)
 - Soils (gSSURGO)
 - Geology (SWREGAP)
- COMaP**
 - COMaP Land Status (Full Version)
- Conservation Planning**
 - CNHP Terrestrial Ecological System Patches
 - TNC Resilient and Connected Landscapes
 - CNHP Landscape Disturbance Index
- Water and Wetlands**
 - Water Structures - Points of Diversion (CWCB)
 - In Stream Flows and Lake Levels (DWR)
 - Wetlands
 - Rivers, Lakes, and Springs (NHD)
 - Alluvial Aquifers (DWR)
 - Watersheds (WBD)
- Invasives**



County of Larimer, Bureau of Land Management, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS



<https://codex.cnhp.colostate.edu>



Regulatory Species

Table 1. Documented Occurrences Within 2 Miles Of Project Area

Major Group	Scientific Name	Common Name	Data Type	Global Rarity	State Rarity	Viability Rank	Last Observation	ESA Status	CO Status	Other Status	CNHP Identifier	Data Source
Fish	Oncorhynchus clarkii stomias	Greenback Cutthroat Trout	CNHP EO	G5T1Q	S2	H	1993-09-02	LT	ST	SWAP Tier 1	10089	CNHP 20210920
Fish	Oncorhynchus clarkii stomias	Greenback Cutthroat Trout	CNHP EO	G5T1Q	S2	H	1993-08-28	LT	ST	SWAP Tier 1	5851	CNHP 20210920
Fish	Oncorhynchus clarkii	Cutthroat Trout	CPW HUC12 Presence	G5	S4			PS				CPW 20201203

Table 2. Potential Regulatory Species within Project Area: Models, Range Maps, or Records with Low Precision

Major Group	Scientific Name	Common Name	Data Type	Global Rarity	State Rarity	ESA Status	CO Status	Other Status	Data Source
Birds	Aquila chrysaetos	Golden Eagle	CPW Breeding Range	G5	S3S4B,S4N			BGEPA/SWAP Tier 1	CPW 20201203
Fish	Oncorhynchus clarkii stomias	Greenback Cutthroat Trout	CNHP General EO	G5T1Q	S2	LT	ST	SWAP Tier 1	CNHP 20210920
Mammals	Lynx canadensis	Lynx	CPW Predictive Map Summer	G5	S1	LT	SE	SWAP Tier 1	CPW 20201203
Mammals	Lynx canadensis	Lynx	CPW Predictive Map Winter	G5	S1	LT	SE	SWAP Tier 1	CPW 20201203

Table 3. Fish & Wildlife Service Critical Habitats within 2 Miles of Project Area

No results were found for this project area.

USFS Private



United States Department of Agriculture



NRCS CNHP-CODEX Update

Presented by:
Christine Newton, NRCS State Agronomist
March 11, 2022



Natural
Resources
Conservation
Service

nrcs.usda.gov/

NRCS Utility of CODEX

- One location for synthesizing conservation data from the Colorado Natural Heritage Program, Colorado Parks and Wildlife, Bird Conservancy of the Rockies, US Fish and Wildlife Service, NatureServe and many other sources.
- Environmental Evaluation (CPA-52) use with Farm Bill Programs (EQIP, CSP, RCPP); Easements; and Emergency Watershed Protection Program.
- In-office reconnaissance
- Initial Colorado NRCS trainings held Oct and Nov 2021.
- Current # users = 40 or roughly 20% staff.
 - Target 40-50% by end of FY22.



CODEX Connections to NRCS Field Office Technical Guide

Special Environmental Concerns

Clean Air Act

Clean Water Act

Cultural Resources

Endangered & Threatened Species ← State listed spp.

Environmental Justice

Floodplain Management

Invasive Species

Migratory Birds, Bald and Golden Eagle Protection Act

Natural Areas

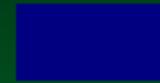
Prime and Unique Farmland

Riparian Areas

Scenic Beauty

Wetlands

Wild and Scenic Rivers



In CODEX Now



Resource Complimentary to IPaC/ECOS in CODEX Now



In Development for CODEX

