

Options to Secure Trash and Curbside Compost from Bears



**City Council
Jan. 21, 2014**



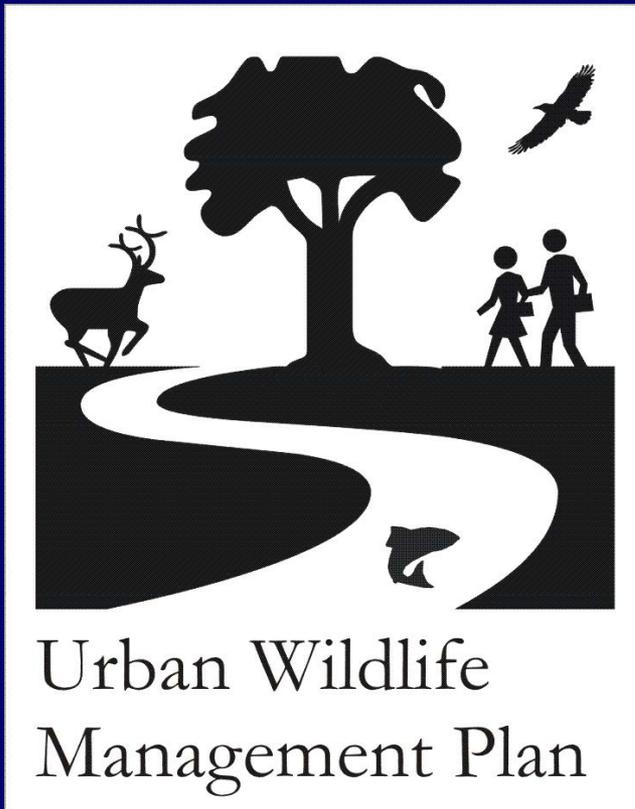
Purpose

Solicit direction on options to secure trash and curbside compost from bears



Background

Urban Wildlife Management Plan



Option Components

- Location:** *Where in Boulder should trash and compost be secured?*
- Storage:** *How should trash and compost be stored?*
- Enforcement:** *How should we enhance?*

Location

Bear Zone One

(West of Broadway, south of Wonderland Lake)

Bear Zone Two

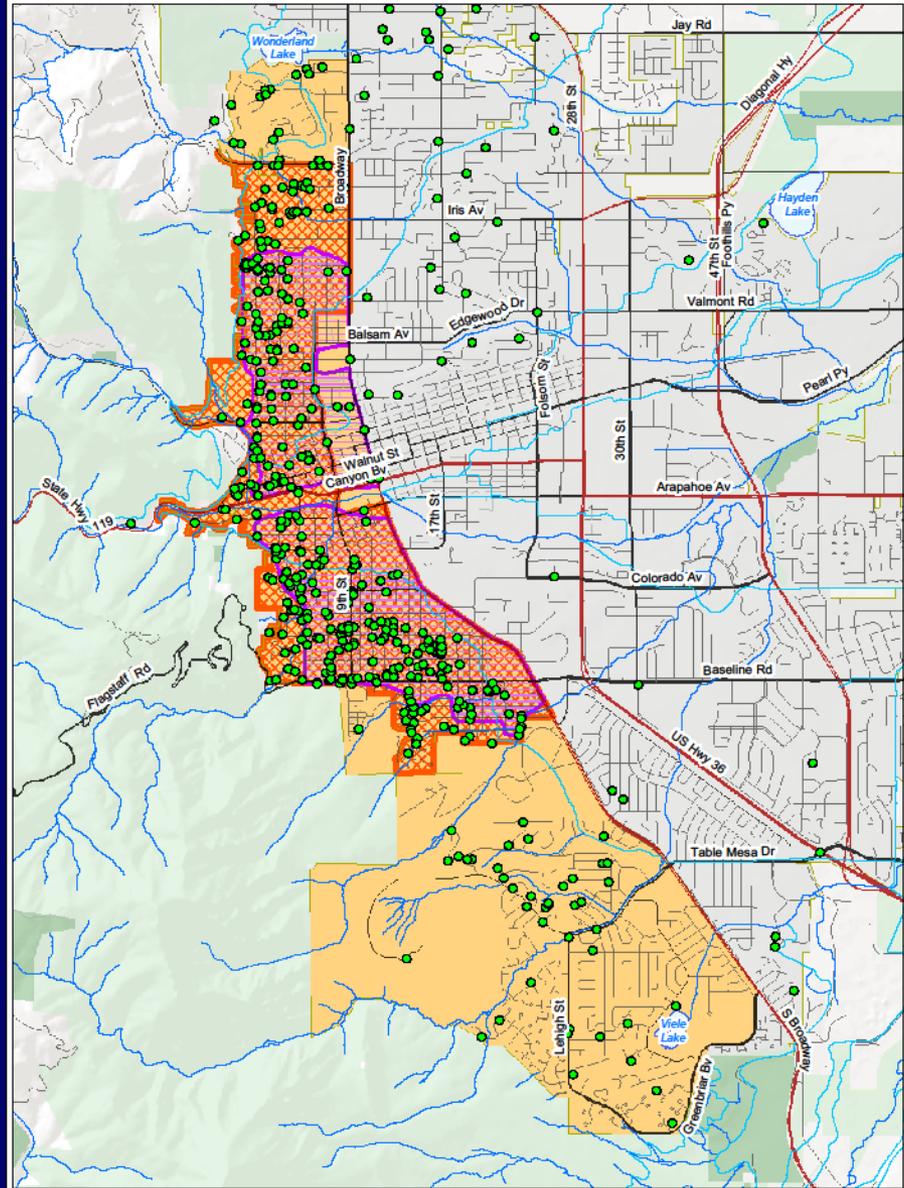
(South of Linden north of N.I.S.T)

Bear Zone Three

(Alleys)

Reported Bear sightings 2009-2013 Inside City Limits

Bear Activity Zones include: Zone 1-majority of bear activity over the past 10 years, Zone 2: High bear activity area past 5 years, Zone 3-Alley Trash Pick-up



Location Recommendation

Why?

Reduce displacement

Steps

Phased implementation

Alleys spring 2014

- High bear activity

Allow for expansion



Storage for Trash and Compost

Option 1: In enclosures or bear-resistant containers until 5 a.m. on collection day

Option 2: Alley storage secured in bear-resistant containers (5 a.m. on collection day)

Option 3: Secured until emptied by trash hauler

Storage Recommendation

Why?

- Reduced likelihood of shifting activity
- Limit accessibility of food waste
- “Good” Bear Smart Society rating
- Least resource intensive to enforce

Steps

- Provide financial assistance

Costs

Disperse costs

Collaborate solutions

Options expanded

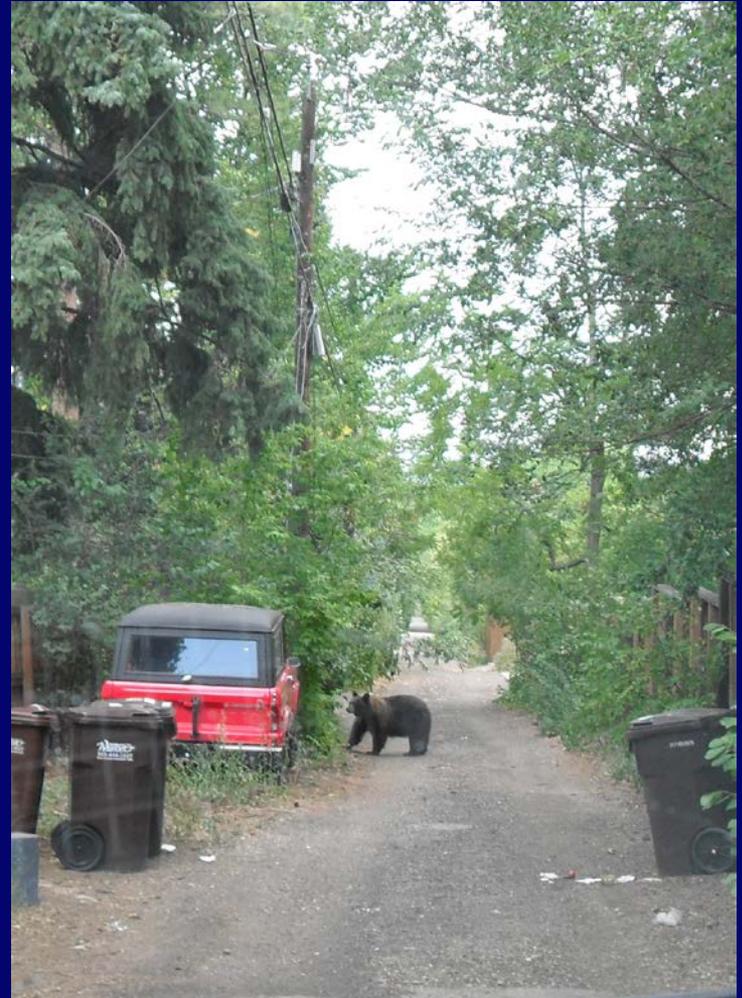
Estimates decreased

Rent

\$0.38 - \$13.50 per mo.

Purchase

\$53 to \$260 per cart



Container Retrofit Considerations

Less expensive; can use existing carts

Often less effective

Must be bear tested

Testing April-Nov

First test results April
(modify & resubmit)



Law Enforcement

Option A: Ticket offenders even if officers cannot make direct contact

Option B: Increase the fine for first summons from \$100 to \$250

Option C: Allow offenders to obtain bear-resistant containers instead of paying a fine

Enforcement Recommendation

Why?

- Removing direct serve requirement can increase effectiveness
- Increase fine amounts incentive to effect behavior change

Steps

- Adding two additional staff

Summary of Staff Recommendation

- Require trash to be secured at all times in containers that are wildlife resistant in Zone One and provide the city manager with the authority to expand as necessary.
 - This would be implemented in alleys in spring of 2014.
- Make property owners responsible for obtaining wildlife resistant containers and establish a minimum fine amount of \$250 for failure to do so.

Next Steps

Return to City Council with:

First Reading of Ordinance

Tentatively scheduled for:

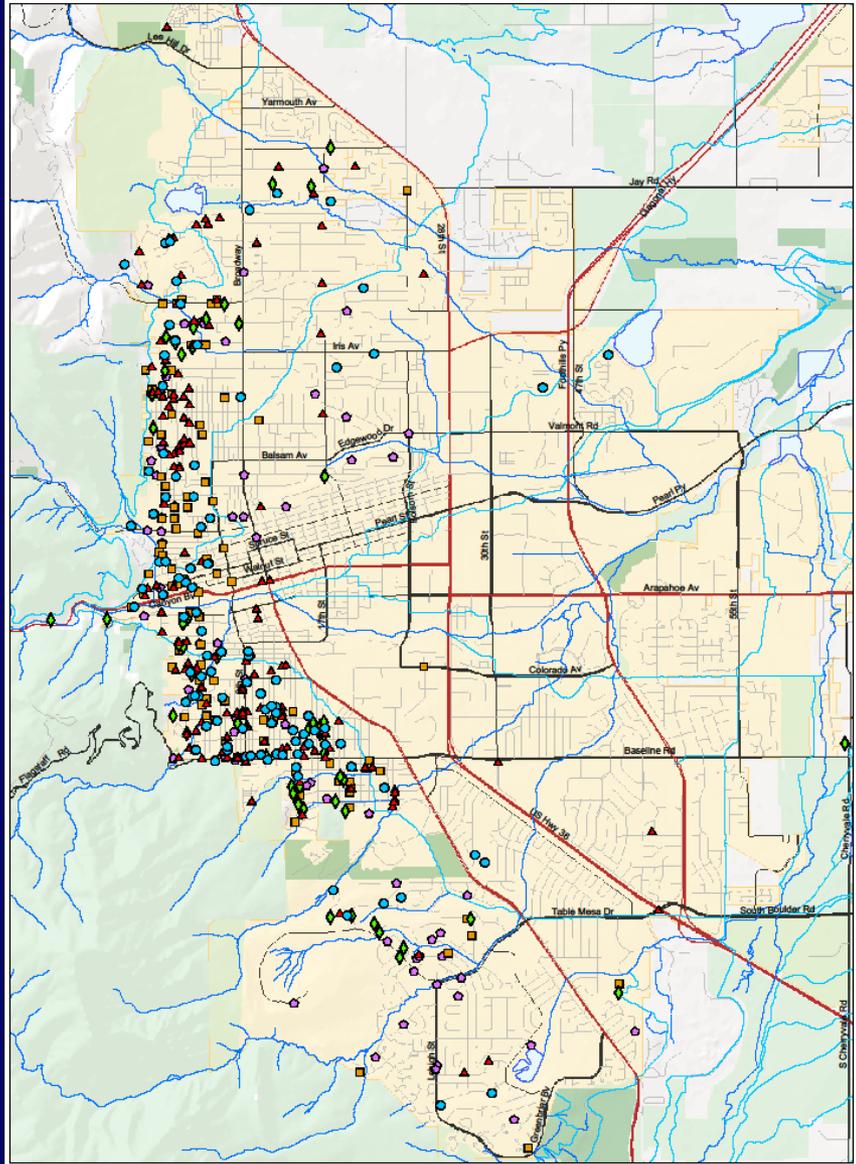
Tuesday, Feb. 18, 2014

Second Reading of Ordinance

Tentatively scheduled for:

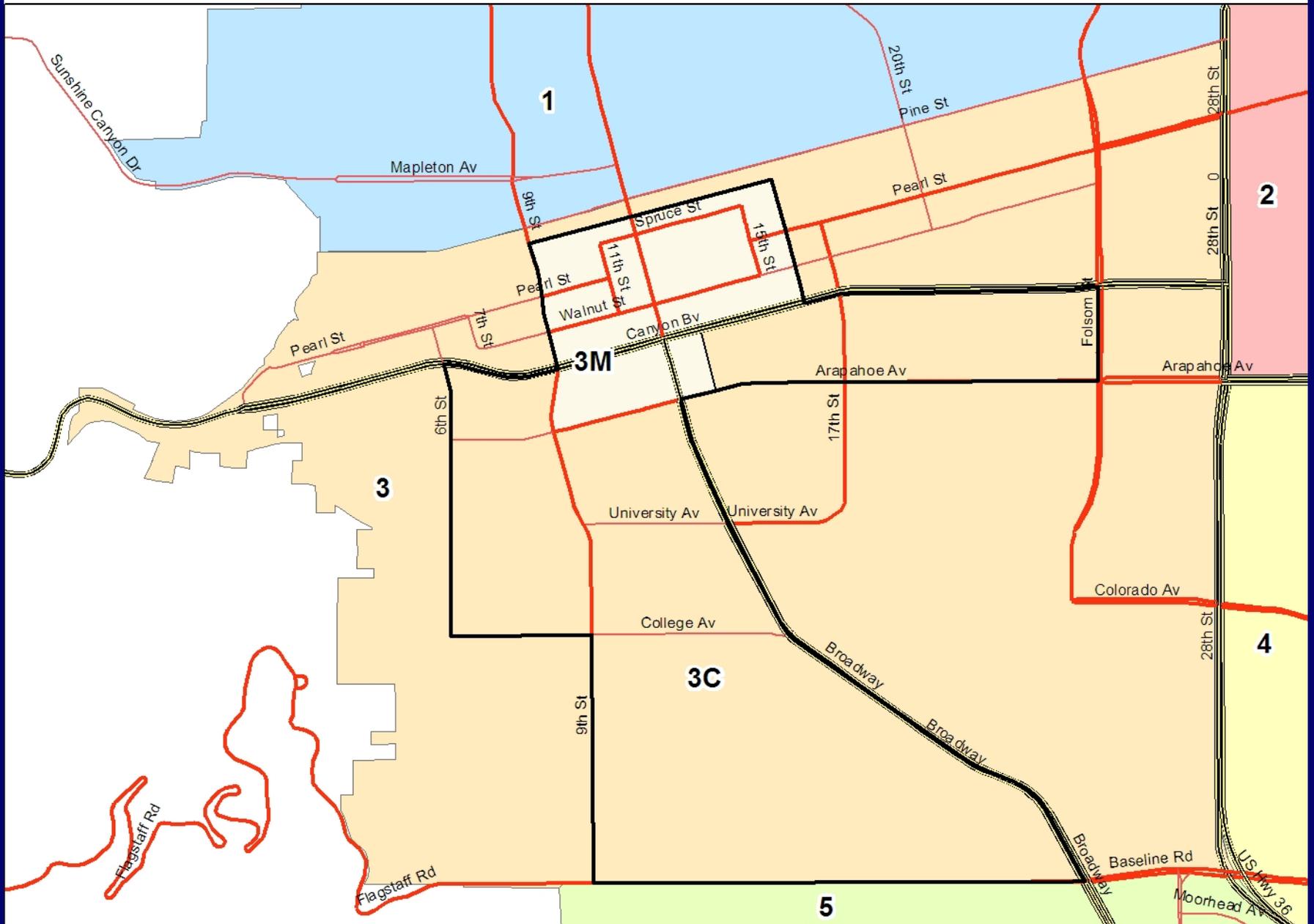
Tuesday, March 18, 2014

Reported Bear Sightings 2009 - 2013 Within City of Boulder Limits

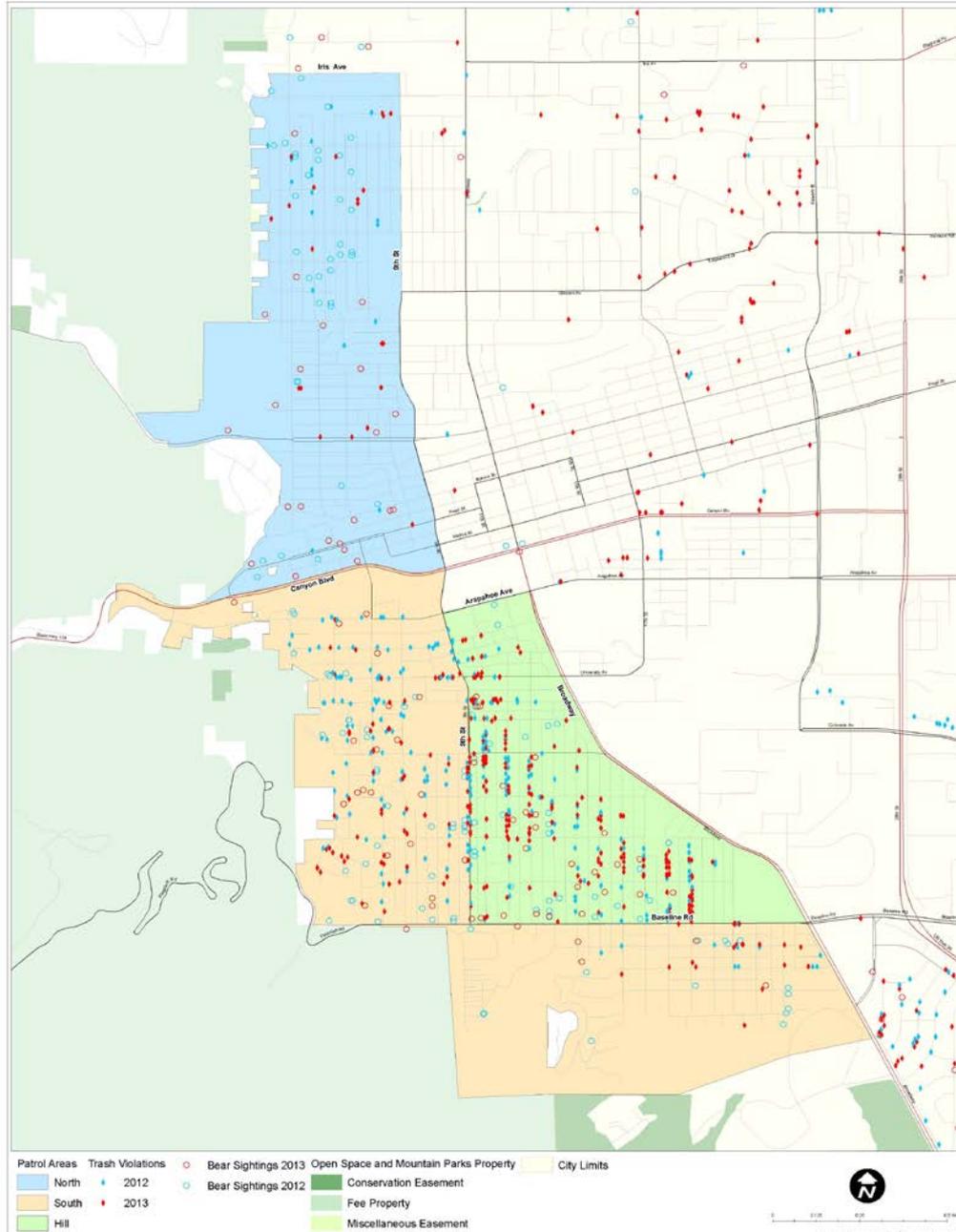


Sightings by Year	Major Lakes	Alley	Creek
2009	City Limits	Highway	Creek, Intermittent
2010	Open Space and Mountain Parks Property	Local Street	Ditch
2011	Conservation Easement	Major Road	Minor Road
2012	Fee Property		
2013	Miscellaneous Easement		

District 3



Focused Trash Patrol Areas



Analysis of Trash Storage Approaches to Deter Bears

Approach	Effectiveness	Feasibility	Cost
1. Communal Enclosure  <i>(Snowmass)</i>	Best	Low	\$\$
2. Pick up at individual residences Stored "inside" (i.e. garage, shed, bear resistant trash enclosure) Until morning of pick up  <i>(Aspen)</i>	Better	Medium	\$\$
3. Pick up at individual residences Stored outside in bear-resistant container  <i>(Durango)</i>	Good	High	\$\$\$
4. Pick up at individual residences Stored outside in retro fitted bear-resistant container  <i>(Virginia)</i>	Less than Good	High	\$

Proposed trash and curbside compost storage options compared to other communities and the Bear Smart Society's rating of waste management systems

Proposed Options						
Canmore Alberta	Whistler British Columbia	Snowmass	Aspen New Option 3	Boulder Option 1	Boulder Option 2	Durango
Bear-proof communal enclosure	Bear-proof community compactor	Bear-resistant communal enclosure	Curbside pick-up stored 'indoors' in bear resistant containers	Curbside pick-up stored indoors or in resistant containers	Resistant carts required for alley storage	Resistant carts required after trash is strewn
			Latched carts put out morning of pick-up	Carts unlatched morning of pick-up	Carts unlatched morning of pick-up	Carts unlatched morning of pick-up
 Best	 Better		 Good	Bear Smart Community rating system for waste management		

Costs

Bear Resistant Container Price example:

Size (gallons)	Price for Grizzly	Black Bear
32	\$161	-
65	\$222	\$196
95	\$231	\$207

Costs (cont.)

Estimates Provided by Western Disposal

Cart Purchase:

Size (gallons)	Bear Saver	Bearicuda
32	\$176	\$53
65	\$248	\$172
95	\$260	\$183

Curbside pickup:

Additional \$4 (\$2 per cart) monthly unlocking fee

Costs (cont.)

Estimates Provided by Western Disposal

Cart Rental (per cart, per month):

Size (gallons)	Bear Saver	Bearicuda
32	\$3.15	\$0.19
65	\$4.60	\$2.78
95	\$4.75	\$2.87

Curbside pickup:

Additional \$4 (\$2 per cart) monthly unlocking fee



