

## Options for North Area

### Option 1: Restoration Emphasis

- o prohibit all public access and manage similar to a research natural area (i.e., access for scientific research and education only)
- o establish property boundary to prohibit access and encroachments from adjacent properties
- o include locked gate at south boundary
- o implement aggressive invasive species eradication efforts (e.g., removal of all non-native tree species)
- o acquire property east of stream and property boundary to “toe of steep slope” from willing sellers
- o implement aggressive riparian and upland habitat restoration efforts (e.g., remove floodplain encroachments, provide floodplain for stream meandering, re-grade slopes along stream where appropriate, re-vegetate all disturbed areas with native species)
- o close and re-vegetate social footpaths

### Option 2: Conservation Emphasis

- o prohibit dogs
- o limit public access to single “loop” footpath west of stream and 200+ feet from north boundary with bridge across stream to Central Area
- o define north, east, and west property boundaries to prohibit encroachments from adjacent properties and to discourage trespassing
- o include gate at south boundary
- o acquire property east of stream and property boundary to “toe of steep slope” from willing sellers
- o implement phased invasive species eradication efforts (e.g., removal of 20% of non-native tree and shrub species annually and annual treatment of non-native herbaceous species)
- o implement aggressive riparian and upland habitat restoration efforts (e.g., remove floodplain encroachments, provide floodplain for stream meandering, re-grade slopes along stream where appropriate, re-vegetate all disturbed areas with native species)
- o define outside of footpath loop to discourage access to sensitive areas and adjacent properties
- o install interpretive signs focusing on habitat restoration and nature education

### Option 3: Public Access Emphasis

- o allow dogs on-leash only
- o limit public access to single “loop” footpath west of stream and 100+ feet from north boundary
- o define property boundaries where necessary to prohibit encroachments and to discourage trespassing
- o include gate at south boundary
- o implement annual invasive species eradication efforts (e.g., removal/treatment of non-native species)
- o implement riparian and upland habitat restoration efforts (e.g., re-grade slopes along stream where appropriate, re-vegetate all disturbed areas with native species)
- o install split-rail fence where necessary to discourage access to sensitive areas and adjacent properties
- o install interpretive signs focusing on history of Emigration Creek, pioneer culture, habitat restoration, and nature education

## Options for Central Area

### Option 1: Restoration Emphasis

- o prohibit dogs and limit public access to single “loop” footpath west of stream
- o establish property boundary to prohibit encroachments from adjacent properties
- o include gate at south boundary
- o implement aggressive invasive species eradication efforts (e.g., removal of all non-native tree species)
- o acquire property east of stream and property boundary to “toe of steep slope” from willing sellers
- o implement aggressive riparian and upland habitat restoration efforts (e.g., remove all floodplain fill, provide floodplain for stream meandering, re-grade slopes along stream where appropriate, re-vegetate all disturbed areas with native species)
- o re-establish Wasatch Hollow Spring
- o install split-rail fence along both sides of stream to discourage access
- o obliterate existing house and all associated improvements and re-grade to natural contours
- o install interpretive signs focusing on habitat restoration and nature education

### Option 2: Conservation Emphasis

- o prohibit dogs and limit public access to single “loop” footpath and bridge across stream to South Area
- o define east and west property boundaries to prohibit encroachments and discourage trespassing
- o implement phased invasive species eradication efforts (e.g., removal of 20% of non-native tree and shrub species annually and annual treatment of non-native herbaceous species)
- o acquire property east of stream and property boundary to “toe of steep slope” from willing sellers
- o implement riparian and upland habitat restoration efforts (e.g., remove some floodplain fill to allow for stream meandering, re-grade slopes along stream where appropriate, re-vegetate all disturbed areas with native species)
- o re-establish Wasatch Hollow Spring if feasible
- o install split-rail fence along both sides of stream to discourage access
- o raze existing house and associated infrastructure, but maintain pedestrian/maintenance access
- o install interpretive signs focusing on history, habitat restoration, and nature education
- o establish outdoor classroom for educational uses

### Option 3: Public Access Emphasis

- o allow dogs on-leash only and limit public access to designated footpaths and bridge across stream connecting to South Area
- o define property boundaries where necessary to prohibit encroachments and discourage trespassing
- o implement annual invasive species eradication efforts (e.g., removal/treatment of non-native species)
- o implement riparian and upland habitat restoration efforts (e.g., re-grade slopes along stream where appropriate and re-vegetate all disturbed areas with native species)
- o install appropriate boundary (e.g., split-rail fence) where necessary to discourage access to sensitive areas and adjacent properties
- o raze existing house but maintain vehicular access for educational purposes
- o allow for development of LEED certified “one-room” educational facility and outdoor classrooms
- o install interpretive elements and/or signs focusing on history of Emigration Creek, pioneer culture, habitat restoration, and nature and art education.

## Options for South Area

### Option 1: Restoration Emphasis

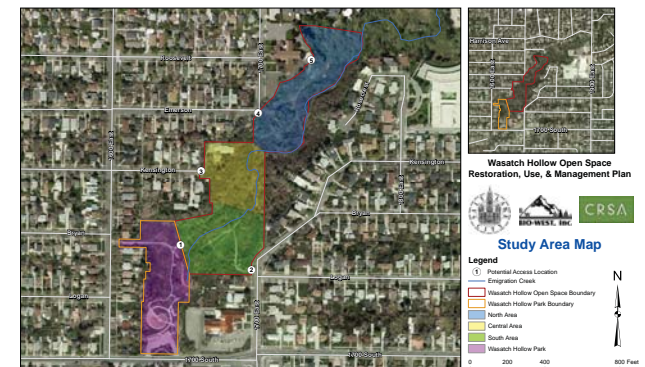
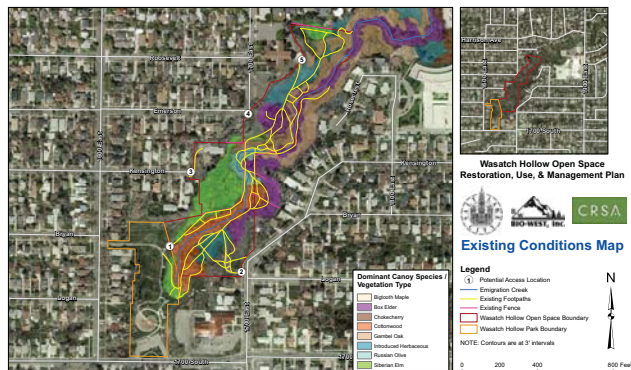
- o prohibit dogs and limit public access to single “loop” footpath with bridge across stream
- o establish property boundary to prohibit encroachments from adjacent properties
- o implement aggressive invasive species eradication efforts (e.g., removal of all non-native tree species)
- o Acquire property east of stream and Wasatch Hollow Park boundary from willing sellers
- o implement aggressive riparian and upland habitat restoration efforts (e.g., remove all floodplain fill and dredging spoils, provide floodplain for stream meandering, re-grade slopes along stream where appropriate, re-vegetate all disturbed areas with native species)
- o install split-rail fence along both sides of stream to discourage access
- o close and re-vegetate duplicate footpaths
- o install interpretive signs focusing on habitat restoration and nature education

### Option 2: Conservation Emphasis

- o prohibit dogs and limit public access to single “loop” footpath with bridge across stream to Central Area
- o define north, south, and east property boundary to prohibit encroachments and discourage trespassing
- o implement phased invasive species eradication efforts (e.g., removal of 20% of non-native tree and shrub species annually and annual treatment of non-native herbaceous species)
- o Acquire property east of stream and Wasatch Hollow Park boundary from willing sellers
- o implement riparian and upland habitat restoration efforts (e.g., remove all dredging spoils, re-grade slopes along stream where appropriate, re-vegetate all disturbed areas with native species)
- o install split-rail fence along both sides of stream to discourage access
- o close and re-vegetate duplicate footpaths
- o install interpretive elements and/or signs focusing on history of Emigration Creek, habitat restoration, and nature education.

### Option 3: Public Access Emphasis

- o allow dogs on-leash only and limit public access to designated footpaths with bridges across stream connecting to Wasatch Hollow Park and Central Area
- o define property boundaries where necessary to prohibit encroachments and discourage trespassing
- o implement annual invasive species eradication efforts (e.g., removal/treatment of non-native species)
- o implement riparian and upland habitat restoration efforts (e.g., remove all dredging spoils, re-grade slopes along stream where appropriate, re-vegetate all disturbed areas with native species)
- o install split-rail fence where necessary to discourage access to sensitive areas and adjacent properties
- o close and re-vegetate existing duplicate footpaths
- o install interpretive signs focusing on history of Emigration Creek, pioneer culture, habitat restoration, and nature education.



## Means Objectives Common to All Alternatives

### Improve Water Quality, Provide Habitat for Wildlife, and Restore & Protect Native Vegetation:

- o establish conservation easements,
- o promote “leave no trace” ethic,
- o address culverts and drains to creek, address runoff and sedimentation (e.g., prevent bank erosion),
- o reestablish de-silting meadows,
- o focus on species most likely to thrive,
- o restrict and prevent disruptive uses (e.g., limit pollution from lights/noise, paintball/air soft, dumping of refuse, tree cutting for “fort” building, campfires, camping or squatting),
- o control and eliminate invasive species,
- o restore natural forest processes.

### Protect Open Space Property, Protect Private Property and Regular Monitoring of Violations:

- o reduce risks from liability (e.g., non-permitted activities),
- o prevent trespassing, protect private property values (e.g., protect aesthetic values, limit noise, allow only natural open space compatible activities),
- o prevent annexation of private property,
- o prevent encroachment of private property onto WHOS (e.g., no dumping of refuse),
- o provide adequate enforcement (e.g., personnel, penalties for violations).

### Provide Public Access, Provide Educational Access, and Provide Access for Research:

- o close WHOS to public after dark,
- o increase historical awareness,
- o open space as an “open classroom” (e.g., seating for reflection and wildlife viewing, single loop footpath, only for passive activities, limit lights and noise, exploration by all age groups, partner with schools/colleges),
- o Inclusion of historical, cultural, and educational interpretative elements (signage and art).
- o create awareness of detrimental behavior,
- o monitor conditions over time (e.g., citizen science, graduate theses).

### Enhance Public Safety and Reduce Risks from Liability:

- o curtail illegal activity (e.g., drugs, squatting),
- o provide adequate enforcement (e.g., regular walkthroughs, more patrols),
- o reduce risk of injury in WHOS (e.g., remove rope swing),
- o reduce risks to private landowners (e.g., establish clear boundaries, discourage trespassing and encourage property owners to participate in private property protection).

### Promote Community Stewardship/Co-Management and Improve Relationship Between City/ Stakeholders:

- o involve neighboring property owners, local community, youth organizations, visitors, educational institutions, neighboring churches, and easement holders (e.g., promote installation of native plants on private land, regular wildlife counts, regular clean-up days, research opportunities, regular walkthroughs, community docent and interpreters, manage in perpetuity)
- o improve communication, foster transparent decision making, and facilitate decision making partnerships with easement holders, across city offices, between city and community, between community residents, and with experts and other stakeholders (e.g., Community Council newsletters, website, regular meetings, acquire expertise in decision making, information sheet at entrance, hire a WHOS docent).

## Means Objectives That May Vary Between Alternatives

### Improve Water Quality, Provide Habitat for Wildlife, and Restore & Protect Native Vegetation:

- o address septic field at acquisition site
- o reconnect Wasatch Hollow Spring
- o allow creek to meander
- o limit public access (e.g., natural barriers vs. fences, limit access by dogs, minimize number of paths, curtail encroachment, create “low impact” area)

### Protect Open Space Property, Protect Private Property and Regular Monitoring of Violations:

- o establish buffer zones between WHOS and private property (e.g., purchase land from neighbors)
- o establish clear boundary lines (e.g., improve signage, implement natural barriers)

### Provide Public Access, Provide Educational Access, and Provide Access for Research:

- o limit access in northern portion (e.g., research and education only, no footpath)
- o wider access in southern portion (e.g., limited/no access by dogs)
- o open space as an “open classroom” (e.g., interpretive art, markers, signs, create an education center)

### Enhance Public Safety and Reduce Risks from Liability:

- o curtail illegal activity (e.g., drugs, squatting)
- o provide adequate enforcement (e.g., volunteer or staff for education and enforcement, enhance public access, consider CPTED in certain areas)
- o remove abandoned house
- o reduce risk of injury in WHOS (e.g., dogs on leash or restricted, reduce fire risk)
- o reduce risks to private landowners (e.g., establish buffer zones between OS and private property)

### Promote Community Stewardship/Co-Management and Improve Relationship Between City/ Stakeholders:

- o none

## Design Performance Measures Relevant for Alternatives Development

### Improve Water Quality, Provide Habitat for Wildlife, and Restore & Protect Native Vegetation:

- o extent of restoration activities and resultant benefits
- o BMPs for water quality, wildlife and habitat protection

### Protect Open Space Property, Protect Private Property and Regular Monitoring of Violations:

- o number and placement of access points and footpaths
- o size of buffer between private property and open space area
- o number and placement of natural barriers at property boundaries

### Provide Public Access, Provide Educational Access, and Provide Access for Research:

- o number and location of access points and footpaths
- o Inclusion of historical, cultural, and educational signage

### Enhance Public Safety and Reduce Risks from Liability:

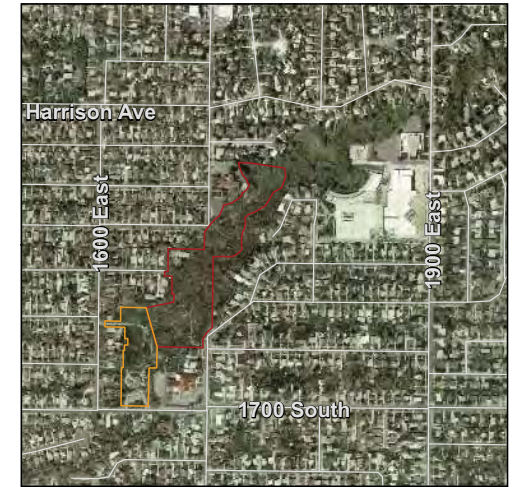
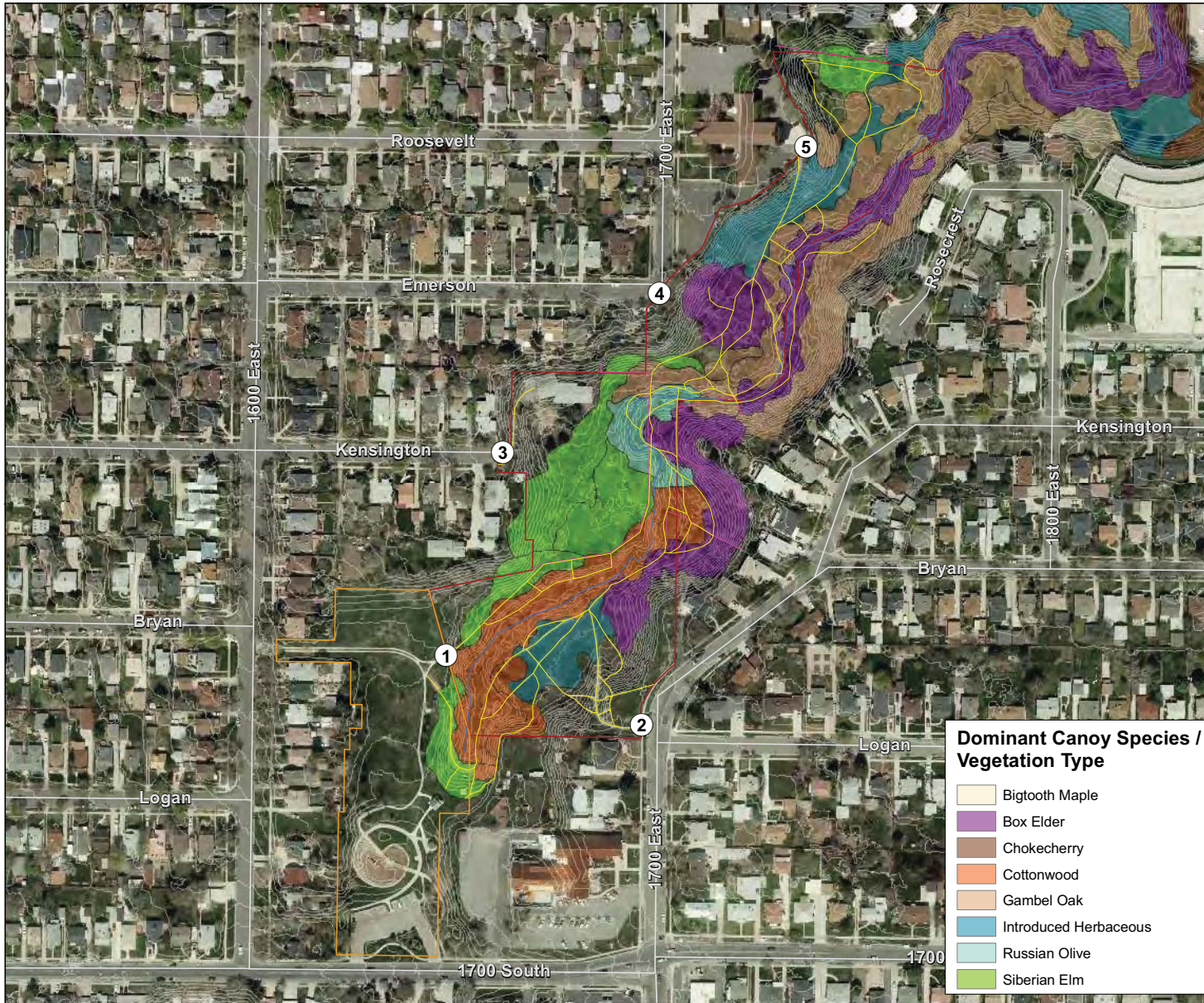
- o fire risk assessment
- o BMPs for enforcement
- o BMPs for limiting trespassing

### Promote Community Stewardship/Co-Management and Improve Relationship Between City/ Stakeholders:

- o Implement shared management plan between City, Salt Lake County, Utah Open Lands, and community







## Wasatch Hollow Open Space Restoration, Use, & Management Plan

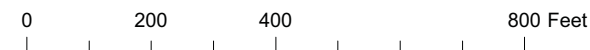


## Existing Conditions Map

### Legend

- ① Potential Access Location
- Emigration Creek
- Existing Footpaths
- Existing Fence
- Wasatch Hollow Open Space Boundary
- Wasatch Hollow Park Boundary

NOTE: Contours are at 3' intervals





## Summary of Preliminary Options Matrix for the Wasatch Hollow Open Space Restoration, Use and Management Plan

DESIGN PERFORMANCE MEASURES		NORTH AREA			CENTRAL AREA			SOUTH AREA		
		Option 1	Option 2	Option 3	Option 1	Option 2	Option 3	Option 1	Option 2	Option 3
ACCESS	Public Access	Prohibited	Limited	Limited	Limited	Limited	Extensive	Limited	Limited	Extensive
	Footpaths	None	Single Loop	Single Loop	Single Loop	Single Loop	Network	Single Loop	Single Loop	Network
	Footbridge	None	One	None	None	One	One	One	One	Two
	Boundary Fencing	Extensive	North, East, and West	Where Necessary	Extensive	East and West	Where Necessary	Extensive	North, South, and East	Where Necessary
	Split-rail Fencing	None	Outside of Footpath	Where Necessary	Both Sides of Stream	Both Sides of Stream	Where Necessary	Both Sides of Stream	Both Sides of Stream	Where Necessary
	Access by Dogs	Prohibited	Prohibited	On-leash	Prohibited	Prohibited	On-leash	Prohibited	Prohibited	On-leash
	Property Acquisition	East of Stream	East of Stream	None	East of Stream	East of Stream	None	East of Park	East of Park	None
RESTORATION	Invasive Species Control	Aggressive	Phased	Annual	Aggressive	Phased	Annual	Aggressive	Phased	Annual
	Removal of Fill	100%	Where Appropriate	N/A	100%	Where Appropriate	N/A	100%	Where Appropriate	N/A
	Streambank Grading	Yes	Yes	Where Appropriate	Yes	Where Appropriate	Where Appropriate	Yes	Where Appropriate	Where Appropriate
	Restore Floodplain	Yes	Yes	N/A	Yes	Yes	N/A	Yes	N/A	N/A
	Remove Encroachments	Yes	Yes	N/A	Yes	N/A	N/A	Yes	N/A	N/A
	Habitat Restoration	Aggressive	Aggressive	Moderate	Aggressive	Moderate	Moderate	Aggressive	Moderate	Moderate
EDUCATION	Existing House	N/A	N/A	N/A	100% Removal	Raze	Raze	N/A	N/A	N/A
	LEED Education Center	N/A	N/A	N/A	None	None	Yes	N/A	N/A	N/A
	Outdoor Classroom	Research Only	None	None	None	Yes	Yes	None	None	None
	Interpretive Elements	None	Minimal	Extensive	Minimal	Moderate	Extensive	Minimal	Moderate	Extensive