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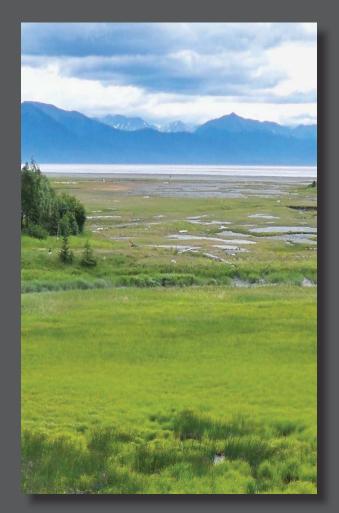
SCHEMATIC ALTERNATIVE 1
SCHEMATIC ALTERNATIVE 2













BACKGROUND

The Campbell Creek Estuary Natural Area is a large intact natural property within an Anchorage residential neighborhood. Its rich abundance of coastal wetlands, views, and upland habitats is a refuge for indigenous flora and fauna and migrating waterfowl. In 2001, a discussion was started between property owners and the local non-profit organization, Great Land Trust (GLT), about the potential to conserve Anchorage's last unprotected estuary. Ten years later, the ownership transferred to the Municipality of Anchorage (MOA) with GLT as holder of a Conservation Easement, a document that provides strict controls over use and development of the property in perpetuity. Now the joint owner and holder, the MOA and GLT, are looking to make this unique property, the Campbell Creek Estuary Natural Area (CCENA), accessible to the public while preserving those values that the Conservation Easement seeks to protect.

Overview

Landscape & History

The Campbell Creek Estuary Natural Area (CCENA) is a 60.71 acre site on the coast of southwest Anchorage (*Map 1*, pg.5). Relatively undeveloped, this property borders an urban neighborhood to the north, and the Anchorage Coastal Wildlife Refuge (ACWR) to the south. (*Map 2*, pg.5)

The southern half of the property is an estuarine intertidal emergent wetland ecosystem where fresh groundwater, inlet tides, and Campbell Creek come together. The National Wetland Conservation Plan regards this as a "declining wetland community" (GLT, *Baseline*). Bordering the wetland is a 25 to 45 degree slope covered by a deciduous canopy and understory. The remainder of the property consists of relatively flat uplands with native deciduous woodlands, a



Map 1: Anchorage Context Map.

spruce forest, herbaceous vegetation, a spruce bog and an open meadow. Its location and land formation make the site ideal for views into the estuary, out to the inlet, and beyond to the surrounding mountains.



Map 2: Neighborhood
Context Map.
The CCENA property is
located on the coast of
Anchorage. The property
is bordered to the north,
northwest and east by
residential properties,
and to the south and
west by the ACWR.

BACKGROUND: OVERVIEW PAGE 5

The property is a home and gateway to an abundance of terrestrial wildlife, birds, and aquatic species. The National Audubon Society considers the estuary one of two "Important Bird Areas" in Anchorage serving as migratory grounds and habitat to multiple species of shorebird. Sandhill Cranes migrate and nest within the area. Beluga whales, listed as endangered in 2008 under the Endangered Species Act, have been observed feeding on runs of salmon that spawn up Campbell Creek. The intact forest is forage and bedding grounds for moose and habitat for other local mammals.

Traces of modern human inhabitants are seen in the meadow, where goats, hogs, sled dogs, and horses were once kept, along with bare ground where volunteers removed vacant structures. Structures included a house, a small barn, Quonset huts, and shipping containers. The house and barn were built in the 1930's and 1940's when it was known as the Olly Olson Homestead. Shipping containers, quonset huts and a dirt road that traverses the property to the adjacent 5-acre parcel, were added by subsequent owners.

This background information is derived from Campbell Creek Estuary Anchorage, Alaska Baseline



Image 3: Aspen stand in northwest corner of meadow.

Documentation for a Conservation Easement which provides comprehensive information on the history, geology, wildlife, vegetation and existing conditions.

Ownership & Stewardship

In November of 2010 the title of the property shifted from the previous owners to the Municipality of Anchorage (MOA). Great Land Trust worked with the MOA to establish conditions that would protect the site's resources and establish standards for development. The result was a Conservation Easement that established values and restrictions on the property. As "owner", MOA will facilitate development of appropriate public access and maintenance while the GLT will act as stewards of the established values, in perpetuity, to ensure the resources are not compromised.

Assets of the site have led to diverse funding sources from both private and governmental organizations which include, U.S. Fish and Wildlife Service, National Oceanic and Atmospheric Administration, Alaska Sustainable Salmon Fund, U.S. Army of Corps Engineers, the Coastal Impact Assistance Program, The Nature Conservancy, Rasmuson Foundation, Ducks Unlimited, ConocoPhillips, National Fish and Wildlife Foundation, and numerous private individuals. This array of support comes from the common vision that this property is worth protecting for conservation purposes, public education, and enjoyment.

It is legally required that the property be maintained and used in accordance to the standards set by the easement and those parties that have contributed to the acquisition, protection, and maintenance of CCENA. Violating any of those standards could result in legal action by the funding agency.

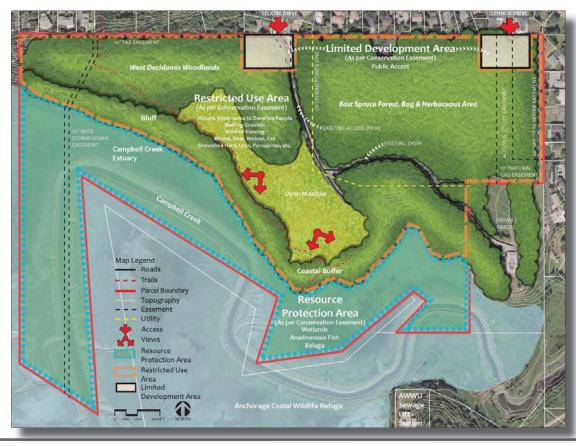
Role of the Conservation Easement

The Conservation Easement legally establishes possibilities for development and future activities based on conservation values of existing resources. CCENA's wildlife resources, water resources, forest and woodland resources, scenic resources, and the potential for public education and appropriate wildlife viewing are considered valued assets worth preserving. The easement addresses the protection of these resources with specific objectives to:

- Protect upland and estuarine habitat by keeping it in an undisturbed state
- Protect quality of water resources for infiltration, detention, storm water, and habitat
- Promote biologic diversity of unfragmented forest/woodland, meadow, coastal bluff and wetlands
- Protect native species and continuous canopy

- Prevent establishment of non-native species
- Store carbon and offset by-products of burning fossil fuels and particulate production
- Protect large habitat patches, increasing species health and survival
- Maintain habitat connectivity to the Anchorage Coastal Wildlife Refuge
- Protect scenic vistas
- Provide opportunity for an outdoor classroom for area schools

To achieve these objectives the Conservation Easement has specific potential uses based on three zones: Resource Protection Area (RPA), Restricted Use Area (RUA), and Limited Development Area (LDA). Creating three areas appropriately distributes activity where it will have minimal impacts. (See *Map 3* below and *Map 5* on pg.24 for zone delineation)



Map 3: Preliminary Site
Assessment Map. This
map was created during
the summer of 2012 prior
to the public involvement
process to show the zones
designated by the
Conservation Easement
and main features of the
property such as existing
social trails and views.

BACKGROUND: OVERVIEW

Potential Improvements per Conservation Easement					
Zone	Description	Permitted	Subject to Review		
Resource Protection Area (RPA)	As the most sensitive habitat zone the easement allows minimal improvements.	 Regulatory signs Bird houses Bat houses Emergency vehicle use Removal of invasive species Seasonal closure 	- Fences, walls or gates that maintain or improve conservation values - Trails (porous or boardwalk in wet areas) - Restoration activities - Enhancement/restoration of wet areas		
Restricted Use Area (RUA)	This upland area provides not only a variety of habitats worth protecting but provides opportunity for public access.	- Everything permitted in the RPA - Removal of existing debris - Signs, not including regulatory signs (limited to maximum 8 sq. ft. per sign; total amount of signs not exceed 20) - Fertilizers that don't affect habitat adversely - Trails - Fences	- Cutting of trees to create and maintain two viewpoint/outlook areas - Removal of vegetation to maintain meadow/edge habitat - Piling of brush & vegetation		
Limited Development Area (LDA)	These zones provide space for vehicular entry and a formal educational gathering point.	 Everything permitted in the RPA and RUA Utility improvements Interpretive signs Access road Gates Fences Bollards Parking areas Gazebos Outhouses Kiosks 	- Paved surfaces		

This list is extracted from the language in the *Conservation Easement*. Please reference that document for precise descriptions of allowed improvements and activities.

Table 1: This is a summary of potential improvements that can take place in each zone delineated by the Conservation Easement. Improvements not listed are likely prohibited or subject to review and the Conservation Easement and grants awarded for the property should be referenced. See Map 3 on pg.7 for zone delineation.

PAGE 8

The RPA consists of the wetlands in the southern half of the property where Campbell Creek meets the inlet. Because wetlands are such a sensitive ecosystem the easement has prohibited nearly all development. (See *Table 1* and the Conservation Easement for specific improvement possibilities)

The uplands not including two rectangular zones along the north property line is the RUA. Consisting of diverse ecosystems, this area provides various habitat types and has the potential to provide for carefully-considered human access. This zone has a dirt road within an access easement that runs from the end of Selkirk Drive through a deciduous forest and spruce forest to a private 5-acre parcel in the southeast. An additional access easement is set on the east property line for a potential future road connecting the 5-acre parcel to Lennox Drive. (See *Table 1* and the Conservation Easement for specific improvement possibilities)

The LDA includes two rectangular zones, 31,500 sq. ft. each, at the end of Selkirk Drive and Lennox Drive. The purpose of these zones is to provide access and amenities that complement appropriate activities within the site while maintaining conservation values. (See *Table 1* and the Conservation Easement for specific improvement possibilities)

Process



Image 4: Public meeting site walk.

Great Land Trust and the Municipality hired USKH to produce a Master Plan for CCENA in the effort to maintain the conservation values while making the property publicly accessible. Developing the master plan included an initial environmental site analysis and a public outreach program (see *Appendix A* for a summary of the public process). The goal of the planning process was to engage the public to create a comprehensive strategy for development that embraces the values of the Conservation Easement. The result is a synthesized plan that reflects objectives of the owners and desires of the public.









MASTER PLAN

The master plan for the Campbell Creek Estuary Natural Area includes a physical design with management suggestions, resource protection strategies, and a prioritized list of improvements. The Master Plan is generated from layering the baseline document research, Conservation Easement values and constraints, the environmental assessment, and public input. This is a living document that can be updated in perpetuity.

Vision Statement

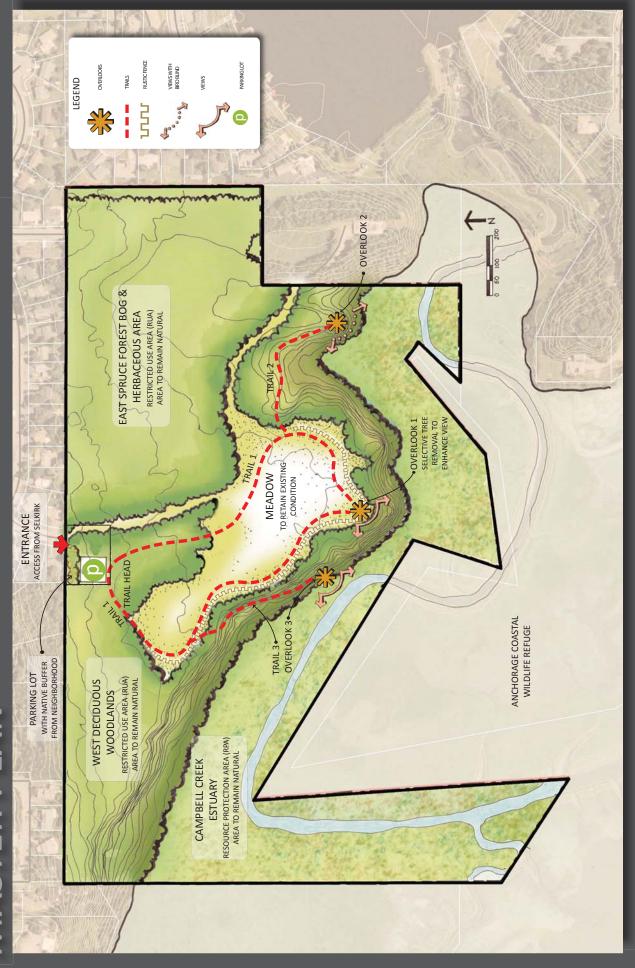
Developed during the public involvement process the following is a Vision Statement for the Campbell Creek Estuary Natural Area. This statement acts as a guiding philosophy for design and management decisions.

Campbell Creek Estuary Natural Area is a unique community asset that in perpetuity:

- Provides unfragmented upland and coastal habitats directly connected to the Anchorage Coastal Wildlife Refuge
 - Provides undisturbed habitat for the proliferation of native plants and animals
- Provides spectacular views of resources within the property and to mountains, the coast, and Campbell Creek Estuary
 - Provides an outdoor learning opportunity for estuary visitors now and for future generations

Image 6: Sedge in the estuary.

CAMPBELL CREEK ESTUARY NATURAL AREA MASTER PLAN



Design & Management

The following section lists and describes development recommendations for specific features, design elements and management strategies for the property. These suggestions evolved from public input to ensure the community's desires are balanced with the property's conservation goals.

Character

The design and development of the Campbell Creek Estuary Natural Area should maintain the existing natural quality of the site. Disturbances from human development that occurred before land acquisition (i.e. debris and social trails) that do not overlap with new paths and structures should be removed or remedied with revegetation methods (see sub-section revegetation for suggestions). It is recommended that the design elements remain relatively natural.

The viewing platform and structures for information should be predominately made of wood or other natural looking materials. Security features and circulation controls should use native vegetation, boulders, rustic fencing, or signs.

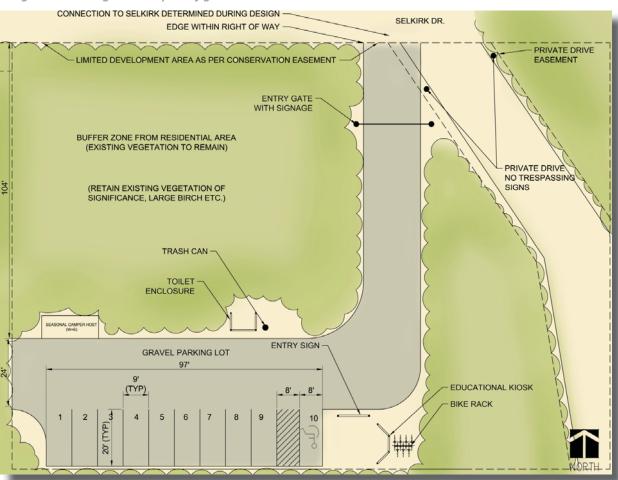
Entrance

The most appropriate entrance to CCENA is from the end of Selkirk Drive, as decided through the public involvement process. A new unpaved road will extend from the end of Selkirk. This road should avoid overlapping with the existing unpaved road that has an access easement. A lockable gate should be placed near the entrance for security. Additionally, a sign with the site's final name should be placed near the entry and fit the natural character. (See Diagram 1 pq.14 for entrance layout concept).



Image 7: Campbell Creek in the estuary.

Diagram 1: Parking lot concept configuration.



Parking Lot

The goal of the parking area is to allow sufficient car space with the least amount of construction alteration, to be secure and secluded, and to meet easement requirements. (See *Diagram 1* above for parking lot layout concept and dimensions).

The concept layout was done to demonstrate the space the parking lot could potentially take up in the Limited Development Area. The parking lot should be gravel and consist of ten spaces, one of them being accessible. This concept provides the largest possible natural buffer between the parking lot and neighbors. The design and parking lot layout should meet municipal standards. Amenities to include: port-a-potty with enclosure, bear proof trash receptacle, caretaker space and bike rack. Boulders

should be placed along the edge for security and to delineate the parking from the paths. Water runoff from the parking area should be mitigated using Best Management Practices (BMPs such as "rain gardens" as described in the Conservation Easement and encouraged from the Municipality of Anchorage).

Trailhead

The trailhead would be located adjacent to the parking area. A kiosk should include a map, educational information, list of funding sources and volunteers, and information about prohibited areas, and resource protection information. A wide enough space should be provided to accommodate a class-sized group to gather along with a few benches.

Trail 1

The main trail through the site would start at the Selkirk parking lot, go through the west deciduous woodlands, continue into the meadow with a southeast vista, and follow the bluff's vegetative edge to overlook 1 (*Map 4: CCENA master plan,* pg.12). The trail would continue along the meadow's north edge back to the parking lot. The trail would be offset from the existing road to avoid pedestrian access to the private road. The preferred material would be woodchips and gravel over dry soils, and boardwalk in wet and formal rest areas such as the overlooks. The path would be consistently 36 inches with 60 inch x 60 inch passing space at 200' intervals. All improvements for this trail would need to comply fully with ADA recommendations:

- Minimum of 36" width
- Cross slope maximum 2%
- Passing space interval maximum 200 ft.
- Rest area maximum 900 ft.
- Maximum running grade of 5%

Overlook 1

A small viewing platform with railings and benches at the southern point of the bluff is proposed to provide views over the estuary, refuge, inlet, and to distant surrounding mountains (*Map 4: CCENA master plan,* pg.12). The design concept would provide a cantilevered deck to reduce the amount of clearing required. Trees should be selectively removed to enhance the view. The overlook should remain intimate. Educational material should be located here (See Interpretive suggestions).

Trail 2

Access to the second overlook location would be via a second trail. It is recommended that the trail meet ADA code as long as the environmental quality can be maintained, the easement is not compromised, and the vision statement is met (*Map 4: CCENA master plan*, pg.12).

Overlook 2

A second viewing platform is proposed east of the main overlook. This would be a more secluded location within the dense vegetation. The goal of the second overlook with bird-blind is to provide a formal location to view birds and estuarine habitat without disturbing nesting birds. Not providing a formal access point for the public could encourage social paths and lead to unwanted harm to the surrounding habitat.

Trail 3

The third trail would connect trail 1 to the third overlook. It is important that the trail design does not compromise slope stability, prevent unnecessary erosion, significantly disrupt the bluff canopy or impede on the large mammal corridor that runs along the edge of the bluff (*Map 4: CCENA master plan*, pg.12).

Overlook 3

The third proposed viewing platform is west of the first at the foot of the bluff. The intention of this platform is to experience the estuary and provide up close views of the creek and vegetation. The primary concerns are to protect estuary soils, existing vegetation, and to avoid disturbing the existing mammal corridor (*Map 4: CCENA master plan,* pg.12).

Rustic Fence

To protect the bluff slope and control circulation, it is recommended that a rustic fence extend from the southwest edge of the meadow to the first overlook at the southeast corner, then extend to the 3rd overlook.

Because of the sensitive estuary ecosystem and crane nesting habitat it is also recommended that a rustic fence be placed along the east edge of the meadow, blocking the existing trail down into the estuary at the southeast end of the bluff. (*Map 4: CCENA master plan*, pg.12).

Signs educating visitors on why access is discouraged should be included along the fence. This is an opportunity to reference the property's developmental history by overlapping the new fence with the fence that historically existed in some areas and visually suggest the fence as a relic of the homestead era.

Security

With any public space a level of security should be maintained to protect the health and safety of the community. Given the necessity of some 24-hour presence to deter late-night intrusions, a caretaker was determined to be appropriate. Natural barriers and appropriate signage should be placed throughout the site to control access.

On-Site Caretaker

Space should be provided for a seasonal on site caretaker in the Limited Development Area (LDA) adjacent to parking. The agreement for a caretaker is mirrored after other programs used in Anchorage; the caretaker is provided space for a trailer/camper with the responsibility of maintaining security of the site.

Policies

The following rules are suggested to maintain quality and regulate its character. Displaying these requirements at the entrance in an entry kiosk is appropriate.

Please:

- Respect wildlife
- Respect other visitors
- Keep noise level down
- Use provided restroom
- Dispose all trash in appropriate receptacle
 Prohibited:
- Accessing restricted zones
- Bikes from March-December
- Motor vehicles
- Domesticated animals * (Please see Domesticated Animal Policy section for specifics)

Closures:

- Time closures should comply with MOA standards (Title 25, Public Lands)
- Seasonal: as required to recognize habitat concerns



Image 8: Eagle's nest in bluff canopy.

West Deciduous Woodlands

This area is currently compromised by social trails coming from the intersection of Jade Street and Byrd Lane (both at the park boundary and where the trail meets the meadow). Access should be detoured from this area because of the sensitive eagle and crane habitat, and currently disturbed areas should be repaired with planting moose browse vegetation. Additionally, boulders and signs should be placed near entries to the social trails to block access. The forest should be managed in accordance with Best Management Practices as described in the Conservation Easement.

East Spruce Forest, Bog & Herbaceous Area

This habitat area does not lend itself to trails and access due to the dense vegetation and moose activity. In order to maintain the vital habitat for large mammals, the area should remain undeveloped. Its characteristics should be discussed in interpretive material at the entry or overlooks. The forest should be managed in accordance with Best Management Practices as described in the Conservation Easement and should be monitored for the incursion of social trails.

Estuary

The estuarine habitat provides an undoubtedly unique scene. The dramatic seasonal colors of the sedges and wildlife viewing opportunities make experiencing this habitat priceless any season. It is necessary to balance public access with habitat conservation for this fragile portion of the property. It is recommended that this balance be met with access directed to specific locations for minimal impact. These locations include Overlook 2 and 3 as shown on the master plan (Map 4: CCENA master plan, pg.12). Overlook 2 would provide the public with an elevated



Image 9: Current state of the meadow area.

vantage point while Overlook 3 would provide access to an additional vantage point at the toe of the bluff.

Meadow

It is rare to find open meadow in the Anchorage bowl. Although the meadow is the result from previous human practices it is recommended that the meadow be maintained to its current form and condition. This will preserve the edge habitat and the unique aesthetic quality. Invasive species should be identified and removed appropriately. Native woody species may be managed to maintain meadow habitat.

Interpretive Suggestions

Educational material should be presented at the trailhead, and at the overlooks. Signs should meet the standards from the Conservation Easement and maintain a natural character. Potential topics: history of human influence on the property, geology, wildlife, human relationships with nature, aspen stands, moose bark peeling, estuary ecosystem, water cycle, Sandhill Cranes and overall ecosystems in the area.



Image 10: Estuary during the winter

Revegetation

Revegetation is recommended in disturbed areas where development will not be taking place.

Because moose browse is decreasing in the Anchorage bowl enhancing moose browse of willow, aspen and birch shrubs is recommended.

Plantings should be transplants, propagated cuttings from on-site, native grasses present on-site or native vegetative mats. Areas with compacted soils should be scarified. Planting should incorporate humus and mulch to add moisture and nutrients to disturbed soils.

Partnerships

Development of this plan and the overall vision of the site have been due to the numerous citizens and groups that have dedicated their time.

Relationships should continue to be cultivated to guide future construction and educational programs which users will help create over time.

Existing Trail into the Estuary

An existing trail runs down the southeast bluff to the estuary. Due to the proximity of the trail to

Sandhill Crane nesting habitat it is recommended that the trail be closed and revegetated. A rustic fence at the top of the slope should deter visitors from access.

Domestic Animal Policy

Due to the sensitive habitat it is recommended that domestic animals be prohibited. Doing so would maintain the goals of the vision statement and Conservation Easement by protecting wildlife and would reflect the public's desire as determined through public involvement (*Diagram 2*, pg.25). This management recommendation will require an additional MOA legislative process—namely, the Assembly will have to adopt an ordinance to prohibit dogs on the property.

Winter Access

It is recommended that winter access into the estuary wetlands not be advertised or maintained at this site. If access is maintained in the winter people might access the area during nesting and migrating seasons. Also creating any new access points for winter use will leave a construction footprint that could be abused in the summer.

Resource Protection Strategy Limits of Acceptable Change

Philosophy

The potential for degradation of resources and amenities is a reality in making CCENA publicly accessible. Vandalism, littering, entering off-limit areas, and basic overuse that comes with time are potential impacts and planning for them is vital. The Limits of Acceptable Change (LAC) is a framework used by federal agencies as a means to maintain desired conditions of recreational natural areas (Stankey, 1985). The LAC method of management defines desired characteristics of a recreational area, determines what resources and social conditions give the area its preferred character, establishes qualitative limits of change at which the conditions are compromised, and a method to manage the issue. This concept was used as reference to develop a modified LAC for CCFNA.

Strategy

The goal of opening CCENA is to provide walking, wildlife viewing, access to scenery, and education while minimally impacting the natural environment. This natural area has specific conditions, both natural and social, that create a desired atmosphere. At some point these conditions may be compromised and action should be taken to heal or resolve the issue. This LAC provides limits of change for when action should be taken.

The process to set standards came from answering four questions:

- What resource and social conditions create quality and character of place? (Factor)
- At what point is the character of that factor compromised? (Indicator/Standard)

- What caused the issue? (Evaluation)
- What are appropriate solutions to protect the resource? (Proposed Management Approaches)

Responses are categorized by factor, given multiple indicators with standards, a list of possible reasons for damage and a list of possible solutions.

This LAC can be used to evaluate site conditions, prescribe solutions, and take action. For example, if during scheduled yearly inspection by GLT under the easement requirements, numerous social trails have developed in the west woodland and the issue is lack of information and an under-defined trail; a prescription could be native plantings, obstacles on the social trail, a rustic fence and signs that tell visitors that off trail walking is prohibited.

Another example would be if the on-site caretaker saw paths going out to the estuary during the summer. Actions could include adding additional signs and fencing or restricting the area to docent led tours only.

This method of analyzing conditions is recommended in conjunction with the requirements in the Conservation Easement. The evaluation and recommended prescriptions for the LAC indicators are speculative and any future obstruction of standards should consider possibilities and solutions not listed. Budget will play a big factor into what solution is most appropriate.

Limits of Acceptable Change Table

Factor	Indicator/Standard	Evaluation & Proposed Management Approaches	
Trail	- Braiding	- Trail failure	- Reinforce trail structure
Condition	- Trail Widening	- Too many people	- Add signage
	- Social trails in upland	- People want better access	- Maintain new path
	areas		- Add rustic fence
Parking	- Excessive street parking	- More visitors than predicted	- Expand parking
Space			- Docent led tours
			- Restrict hours or days
			open
Waste	- Littering/Dumping	- Receptacle not maintained	- Increase maintenance
Control		- Receptacle not convenient	- Increase number of
			receptacles
			- Change location
			- Add signage
			- Adopt-A-Park Program
Protection	- Social trails into wetland	- Barriers aren't sufficient	- Extend rustic fence
of Estuary	- Signs of Disturbance	- People want better access	- Add signs
			- Closures beyond
			established periods
			- Change/modify access
			points
			- Monitor more
			frequently
			- Docent led tours
Noise	- Noise pollution from	- Noise (from parking lot)	- Move trail head
	park – complaints by	- Excessive visitors	- Change hours
	neighborhood (disturbing	- Vandalism	- Monitor more
	both neighbors and		frequently
5 1	wildlife)		- Docent led tours
Relative	- Large numbers of people	-More visitors than predicted	- Decrease parking space
solitude	in the area at once		- Docent led tours
			- Add visitor restrictions
			- Increase number of
			trails

Table 2: Limits of acceptable change table.

Implementation

Priorities

The improvements proposed by this master plan are listed in order of priority of development starting with basic maintenance, then the necessary amenities for public access and enjoyment, and finally long term development strategies. Improvements are slated to begin during the 2013 construction season with the goal of opening the area to the public in 2013. Ordering improvements by priority provides structure for development with flexibility to change based on public input and budget.

Design and construction of the overlook structures will require an additional approval process to receive the necessary permits and is subject to approval by the Parks and Recreation Commission. This process will allow opportunity for agency and public input on construction details.

- YEP improvements (removal of invasives, revegetation of social trails)
- Entrance drive with utilities
- Parking lot with amenities
- Signs
- Trail 1/Overlook 1
- Rustic fence
- Trail 2/Overlook 2
- Trail 3/Overlook 3
- On-site Caretaker
- Expand CCENA by acquiring 5-acre parcel to the southeast. (This is a privately owned parcel currently occupied by a tenant. Expanding CCENA would provide space to develop additional amenities, strengthen preservation of the intact bluff canopy, and enhance overall conservation of the area.)

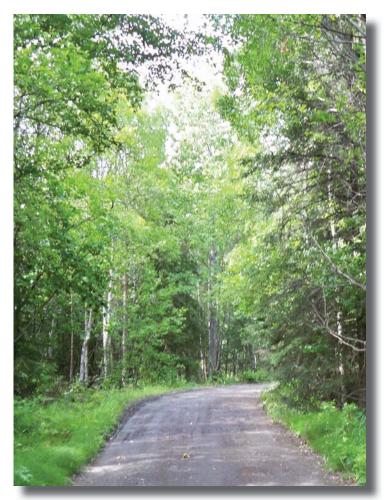


Image 11: Existing road with summer vegetation.

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Resources

- Great Land Trust, Inc. Conservation Easement. Anchorage: November 30, 2010.
- Great Land Trust, Inc. Campbell Creek Estuary Anchorage, Alaska Baseline Documentation for a Conservation Easement. Anchorage: November 11, 2010.
- Stankey, George H.; Cole, David N.; Lucas, Robert C.; Petersen, Margaret E.; Frissell, Sidney S. *The Limits of Acceptable Change (LAC) System for Wilderness Planning*. General Technical Report INT-176. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station; 1985. 37 p.
- United States Access Board. Regulatory Assessment *Accessibility Guidelines for Outdoor Developed Areas*. Washington, DC: April 2007.
- Wright, Stoney J. *A Revegetation Manual For Alaska*. Palmer, Alaska: Division of Agriculture, Alaska Department of Natural Resources, August 2008. 64 p.

Photo Credit

Cover Image	Carl Johnson
Image 1	Baseline Documentation for a Conservation Easement, GLT
Image 2	Baseline Documentation for a Conservation Easement, GLT
Image 3	USKH
Image 4	USKH
Image 5	Carl Johnson
Image 6	Baseline Documentation for a Conservation Easement, GLT
Image 7	Baseline Documentation for a Conservation Easement, GLT
Image 8	USKH
Image 9	Baseline Documentation for a Conservation Easement, GLT
Image 10	USKH
Image 11	Baseline Documentation for a Conservation Easement, GLT
Image 12	USKH

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Appendix A

Public Involvement

The public involvement process was used as a forum to notify the public about the project, receive comments and concerns, and develop the plan as a community. The public was integral in creating a vision statement, schematic alternatives and the final plan. A total of three stakeholder group meetings and two public meetings were conducted in the summer of 2012 at the Bayshore Club House in southwest Anchorage.

The stakeholder advisory group included representatives from:

- Friends of the Anchorage Coastal Wildlife Refuge
- Bayshore/Klatt Community Council
- Sand Lake Community Council
- US Fish and Wildlife Service
- MOA Parks

Table 3: Public Meeting Schedule

Date	Meeting	Attendee	Topics Covered			
		Qty.				
May 30, 2012	1 st stakeholder meeting	11	Project "kick-off",			
			Visions for the			
			property			
May 31, 2012	1 st Public Meeting	66-110*	Issues &			
			Opportunities, Site			
			walk, Brain-storming			
			session.			
June 13, 2012	2 nd Public Meeting	35-55*	Design charrette			
			with spectrums of			
			development and			
			concept site layout			
June 27, 2012	2 nd stakeholder	14	Refine schematic			
	meeting		design, and vision			
			statement			
August 7,	3 rd stakeholder	14	Site walk, design			
2012	meeting		finalization.			
* Both public m	* Both public meetings had a large turnout: the low attendance number					

^{*} Both public meetings had a large turnout; the low attendance number reflects those who signed –in and the top quantity is based on a head count.

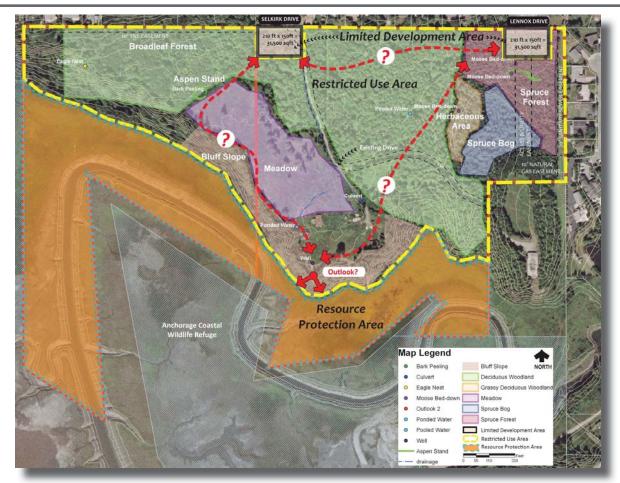


Image 12: Public meeting group discussion.

- Anchorage Assembly
- Campbell Lake Homeowners Assn.
- Neighbors
- Alaska Department of Fish and Game
- Rasmuson Foundation
- ConocoPhillips

The task of the stakeholder group was to represent the interest of their constituents, ensure plans were consistent with the easement, and help develop plans for CCENA.

Throughout the process the public meeting minutes, relevant project documents and public input summaries were posted on GLT and Parks & Recreation project web sites to keep the public updated.



Map 5: <u>Conservation easement & environmental map.</u> This map was presented at the first public meeting to spark discussion on where development should occur.

Initial Meetings and Results

Curious citizens and neighbors came out to the first public meeting, held on May 31, 2012. Phil Shephard, the executive director of Great Land Trust, led the first half with a site tour. Attendees walked existing paths while Phil discussed history and key landscape features. After the site walk, the group participated in a workshop at the Bayshore Clubhouse where the environmental analysis was presented (*Map 5 pg.24*) sparking debate on what type of uses and where development is appropriate.

Small groups then discussed opportunities and concerns for the site. Comments were collected during group discussions and input forms and then consolidated and reformatted into two exercises for the second public meeting held on June 13th.

The second meeting engaged the public in a spectrum of development exercise. Potentials and issues outlined at the first meeting were categorized into 10 topics. Each topic was given four options ranging from least developed to most developed. (See *Diagram 2* for the spectrum of choices)

This spectrum of choices was distributed to 10 groups of 3-8 people at the second public meeting. Their task was to individually vote by placing a dot in the option they felt most appropriate for the category. Where opinion differed with options additional choices were written in. (See *Diagram 2* for voting results) Although there were outlying votes, the majority of votes favored the less developed end of the spectrum.

Results from 2nd Public Meeting (6/13/2012)

JUSKH 🖳 Campbell Creek Estuary Master Plan Spectrum of Development PLACE A STICKER NEXT TO THE LEVEL OF DEVELOPMENT, AMENITIES OR ACTIVITIES FOR EACH CATEGORY THAT YOU FIND MOST APPROPRIATE FOR THIS SITE. ADDITIONAL COMMENTS ● LEAST DEVELOPED ● CATEGORY MOST DEVELOPED. NATURAL/LEAST DEVELOPMENT NO DEVELOPMENT MODERATE DEVELOPMENT - Access by permit only. - Cranes! - Sensitive bird nesting area - Some development with decks and Expedence INFORMATION IN PARKING LOT INTERPRETIVE PANELS STRUCTURE FOR OUTDOOR - Make primary use. - User groups assume most responsibility. - Phase info, first in parking lot them Education throughout site Plastic netting that will allow drainage and vegetation. No bikes NARROW COMPACT SURFACE BOARDWALK/OPEN GRATE WIDE GRAVEL TRAIL 2500 Trail Surface LARGE DECK Respect crone habitat WIDE SPOT IN TRAIL Do not put deck out in marsh Overlook SINGLE LOT. (10-20 SPACES) TWO LOTS, (5-15 SPACES EACH) - Bus and van parking provision NONE ON LENNOX Parking t(s) User groups develop based on im-TRAILS TO ALL HABITAT TYPES NONE THROUGHOUT SITE Include controlled access to show able parts of estuary/mudflats - Minimal trail development PORT-A-POTTY CONCRETE VALUET FULL SERVICE WATER & SEWER and van parking provision Bathroom PARTIALLY MAINTAINED MAINTAINED AS HABITAT Maintain as habitat with native plant variety Meadow FULL TIME CARETAKER - Electrical and water should be - Electrical and water should be provided for camper host. - Seasonal camper host with periodic security service drive by. -No full-time host - No lights - Phase in full time caretaker if crime Security starts up - Yes to gate, unsure on lights DOG-USE INSTRUCTIONS (RELATED TO SENSITIVE HABITAT) NO DOGS - No dog amenities.

Diagram 2: Spectrum exercise results.

Schematic Alternative 1

The second exercise was to draw physical plans on the site map. Groups drew trails, outlooks, fences, parking lots and other amenities they envisioned. The schematic drawing (*Map 6, pg.26*) is the combination of each group's design in a graphic format. Consensus is represented by larger graphic symbols while conflicts are highlighted with a red circle.

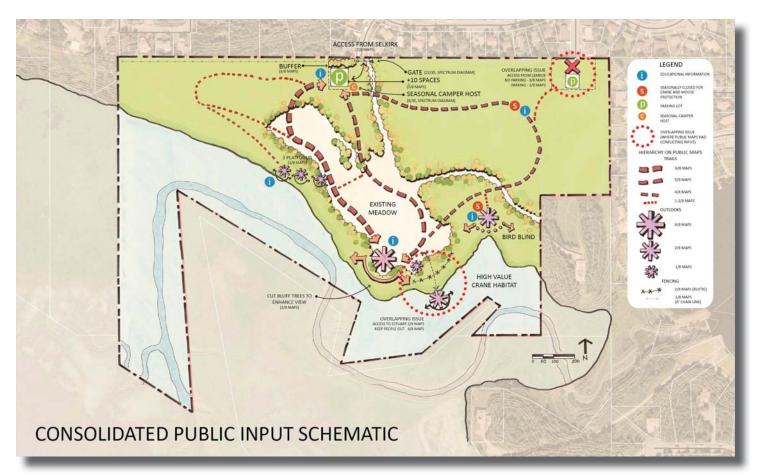
The features most drawn include:

- One main loop around the meadow
- The outlook at the edge of the bluff
- 10 car parking lot at the end of Selkirk with a buffer from neighbors

Features of conflict:

- Parking at Lennox
- Boardwalk into the estuary

Despite some differences, many drawings reflected a similar level of development, showing a few trails and outlook spots. Attendees shared a concern to protect the crane-nesting site and ensure the easement values were not compromised.



Map 6: Working Draft: Consolidated public input schematic. This graphic was developed from the second public meeting. It is included in this appendix to show how development locations were determined by informed citizens.

Schematic Alternative 2

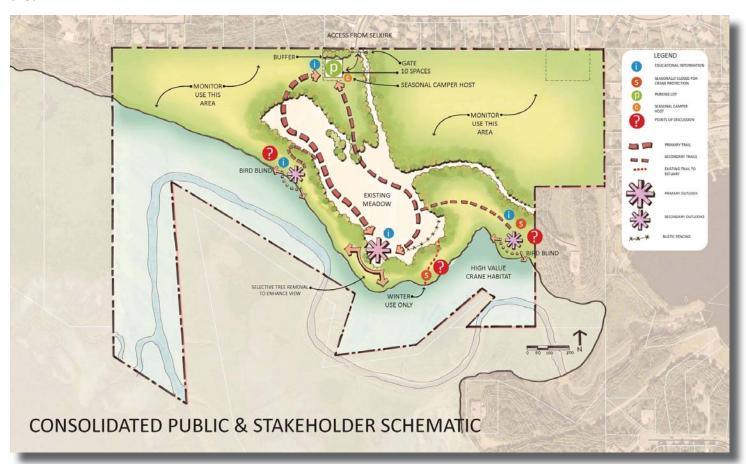
The consolidated map from the public meeting was presented to the stakeholder group. (*Map 7, pg. 27*) This provided an opportunity to critique proposals and resolve conflict areas (graphically noted with question marks). Points of accord included: creating one main trail to one outlook, a single parking lot with 10 spaces, an entry kiosk with interpretive material and rules, an enclosed port-a-potty, seasonal caretaker, bike racks, trash receptacle, and lockable gate.

The two conflict areas were quickly resolved. The first, the access from Lennox Drive was dismissed as a viable proposal. This road already has drainage issues and access might intrude in moose bed down area.

The second conflict, access down into the estuary was determined as inappropriate considering the sensitive crane habitat. Instead, the stakeholder group thought deterring people from that area with a rustic fence to be the most appropriate solution.

Results and Concerns

The final preferred schematic, which became the master plan, was the result of the third stakeholder meeting. This consisted of an on-site evaluation of potential development areas and discussion over management and implementation strategies.



Map 7: <u>Working Draft: Consolidated stakeholder schematic</u>. This diagram was used to discuss areas of uncertainty and concern (where question marks are located).