

Appendix A: Glossary

AAC. Alaska Administrative Code that includes state regulations.

ACC. Alaska Conservation Corps.

Access. A way or means of approach. Includes transportation, trail, easements, rights-of-way, and public use sites.

Accessible. A term used to describe a site, building, facility, or trail that complies with the Americans with Disabilities Act (ADA) Accessibility Guidelines and can be approached, entered, and used by people with disabilities.

ADA (Americans with Disabilities Act of 1990). A federal law prohibiting discrimination against people with disabilities. Requires public entities and public accommodations to provide accessible accommodations for people with disabilities.

ADEC. The State of Alaska Department of Environmental Conservation.

ADF&G. The State of Alaska Department of Fish and Game.

ADOT/PF. The State of Alaska Department of Transportation and Public Facilities.

Airboat. A shallow draft boat driven by an airplane propeller and steered by a rudder (11 AAC 20.990).

Aircraft. Any motorized device under 12,500 pounds gross weight that is used or intended for flight or movement of people or goods in the air (11 AAC 12.340 and 11 AAC 20.990).

All-Terrain Vehicle (ATV). See Off-Road Vehicle.

Anadromous Stream. Those water bodies identified by the Department of Fish and Game under 5 AAC 95.011.

ANCSA. The Alaska Native Claims Settlement Act.

AS. Alaska Statutes.

Assembly. The gathering or meeting of a group of people for a common purpose (11 AAC 12.340).

- 1 **Beach.** An expanse of pebbles, sand, or other loose particles, along the shore of an ocean,
2 sea, large river, lake, etc., washed by the tide or waves.
3
- 4 **Bench (Full, Half, Partial) Cut.** The excavation cut into a slope to provide support for the
5 trail tread surface. “Full” refers to the bench being constructed entirely on an excavated
6 surface. “Partial” refers to the Bench being constructed in part on compacted fill.
7
- 8 **Best Trail Management Practices (BTMPs).** A series of management components
9 developed to reflect the current “state-of-the-art” practices for effective and efficient trails
10 management.
11
- 12 **BLM.** The United States Bureau of Land Management.
13
- 14 **Boat or Vessel.** A device that is used or designed to be used for the movement of people or
15 goods in or on the water, whether manually or mechanically propelled, but does not include
16 personal floatation devices or other floats such as inner tubes, air mattresses, or surf boards
17 (11 AAC 20.990).
18
- 19 **Camp and Camping.** To use a vehicle, tent, or shelter, or to arrange bedding, or both, with
20 the intent to stay overnight in a park (11 AAC 12.340).
21
- 22 **Campground.** An area developed and maintained by the division which contains one or
23 more campsites (11 AAC 12.340).
24
- 25 **CIAA.** Cook Inlet Aquaculture Association.
26
- 27 **CIP.** Capital Improvement Project.
28
- 29 **Citizen Advisory Board.** Appointed by the Director of the Alaska Division of Parks and
30 Outdoor Recreation, this board assists park staff with management and development issues.
31
- 32 **Climbing Turn.** A wide, ascending curve that gradually reverses the direction of the trail
33 while gaining elevation. Used in favor of Switchbacks on side slopes of less than 22% when
34 possible.
35
- 36 **Clinometer.** A small, hand-held device used to measure grade (or slope) in terms of degrees
37 or percent. In trails and roads, grade or slope is referred to in percent (%).
38
- 39 **Commercial Activity.** The sale of, delivery of, or soliciting to provide, goods, wares,
40 edibles, or services in exchange for valuable consideration through barter, trade, or other
41 commercial means; a service offered in conjunction with another sale of goods, wares,
42 edibles, or services, which service involves the use of state park land or water, is a
43 commercial activity whether or not it is incidental to, advertised with, or specifically offered
44 in the original sale; all guide, outfitter, and transportation services are commercial activities
45

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1 if any payment or valuable consideration through barter, trade, cash, or other commercial
2 means is required, expected, or received beyond the normal and customary equally shared
3 costs for food and fuel for any portion of the stay in the park (11 AAC 12.340).

4
5 **Commissioner.** The Commissioner of the Department of Natural Resources.

6
7 **Compaction.** The compression of aggregate, soil, or fill material by tamping or trail traffic.

8
9 **Conservation Easement.** A restriction placed on a piece of property to protect its associated
10 resources. As defined in statute, a conservation easement is: A nonpossessory interest of a
11 holder in real property imposing limitations or affirmative obligations to retain or protect
12 natural, scenic, or open space values of real property, ensure its availability for agricultural,
13 forest, recreational, or open space use, protect natural resources, maintain or enhance air or
14 water quality, or preserve the historical, architectural, archaeological, or cultural aspects of
15 real property (AS 34.17.060).

16
17 **Contour Trail** (also a Curvilinear or Traverse Trail). Concept whereby the trail is designed
18 to rise and/or descend gradually along natural contours. The alignment crosses the contours
19 at a shallow angle so that the natural drainage patterns are easily maintained during the
20 construction process.

21
22 **Control Point.** A specific point, area, or feature that is important in trail layout. Positive
23 Control Points are places you want the trail to go to or near (such as trailheads, scenic points,
24 good water crossings, other trails, etc.). Negative Control Points are places you want to stay
25 away from (such as hazards, sensitive habitat, private property, etc.).

26
27 **Crib (or Crib Wall).** A retaining device used to support the trail tread or backslope,
28 typically composed of wood or rock.

29
30 **Critical Edge.** The outside (downslope) edge of the tread, most pronounced on a bench cut.

31
32 **Culvert.** A pipe or box-like structure of wood, metal, plastic, concrete, or rock that conveys
33 a water course under a tread.

34
35 **Curvilinear (Trail) Layout.** Concept whereby the trail layout is designed to rise or descend
36 gradually along natural contours. The alignment crosses the contours at a shallow angle so
37 that the natural drainage patterns are easily maintained during the construction process. See
38 also Contour Trail.

39
40 **Design Parameters.** Technical specifications for trail construction and maintenance, based
41 on the Designed Use and Trail Class.

42
43 **Design Turn Radius.** The minimum horizontal radius required for various user groups to
44 navigate a curve in a single maneuver; this includes switchbacks, climbing turns and
45 horizontal turns.

- 1 **Designed Use.** The intended use that controls the desired geometric design of the trail and
2 determines the subsequent maintenance parameters for the trail.
3
- 4 **Developed Facility.** Includes a building, boat ramp, campground, picnic area, rest area,
5 visitor information center, swim beach, trailhead, parking area, and a developed ski area
6 (11 AAC 12.340 and 11 AAC 20.990).
7
- 8 **Difficulty Level.** The degree of challenge a trail presents to an average user’s physical
9 ability and skill, based on trail condition and route location factors such as alignment,
10 steepness of grades, gain and loss of elevation, and amount and kind of natural barriers that
11 must be crossed.
12
- 13 **DMLW.** The State of Alaska Department of Natural Resources, Division of Mining, Land
14 and Water.
15
- 16 **DNR or Department.** The State of Alaska Department of Natural Resources.
17
- 18 **DPOR or Division.** The State of Alaska Department of Natural Resources, Division of
19 Parks and Outdoor Recreation.
20
- 21 **Director.** The Director of the Division of Parks and Outdoor Recreation, Department of
22 Natural Resources, or the Director’s authorized agent (11 AAC 12.340).
23
- 24 **Easement.** An interest in land, of specified dimensions, owned by another that entitles its
25 holder to a specific limited use.
26
- 27 **EPA.** United States Environmental Protection Agency.
28
- 29 **EVOS.** Exxon Valdez Oil Spill.
30
- 31 **Fall-line.** The path water flows down a slope under most circumstances.
32
- 33 **Full Bench (Construction) Cut.** Trail structure used to create a tread along a Contour Trail,
34 whereby the tread is built entirely on an excavated surface (no fill) which is less subject to
35 compaction, erosion and surface slumping. It is the preferred method of bench construction
36 on trails construction on side slopes >30%. See also Partial Bench Cut.
37
- 38 **Firearm.** Includes a pistol, rifle, shotgun, revolver, mechanical, gas or air-operated gun
39 (11 AAC 12.340 and 11 AAC 20.990).
40
- 41 **GeoBlock.** A trademark name structural geogrid material (see Porous Pavement Panel).
42
- 43 **Geotextile (Geofabric, Filter Fabric).** A pervious, woven or non-woven, petrochemical
44 fabric that provides a stable base and separation layer used in a variety of applications
45 including aggregate capping.

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1 **Grade.** Relative steepness (rise and fall) of the trail as compared to a flat horizontal plane.
2 Trail steepness is measured in grade as a percentage.

3
4 **Grade Control.** Fundamental part of Sustainable Trail construction whereby strict trail
5 grade restrictions are placed in the design parameters, primarily to minimize erosion due to
6 natural forces and trail users.

7
8 **Grade Reversals (or Grade Dip).** A short change from positive (climbing) grade, to
9 negative (descending) grade for approximately 6 to 12 feet designed into the trail alignment
10 to shed water. Grade reversals are an important component in Contour Trail construction.
11 See also Rolling Grade Dip.

12
13 **Gravel Bar.** An elevated region of sediment in a river (largely comprised of gravel) that has
14 been deposited by water flow. A gravel bar is not a saltwater or freshwater beach.

15
16 **Green Infrastructure.** An interconnected network of green space (hubs + corridors) that
17 conserves natural ecosystem values and functions and provides associated benefits to human
18 populations.

19
20 **Guideline.** A specific course of action that must be followed when a DPOR resource
21 manager permits, leases, or otherwise authorizes use of state lands. Guidelines range from
22 giving general guidance for decision-making or identifying factors that need to be
23 considered, to setting detailed standards for on-the-ground decisions.

24
25 **Half Rule.** A trail's grade should not exceed half the grade of the sideslope. If the grade is
26 steeper than half the grade of the sideslope, it is considered a Fall-line trail.

27
28 **Hardening.** Any number of methods of strengthening a tread surface in response to
29 degradation or to better accommodate a particular type of use. Examples include: aggregate
30 capping, boardwalk or puncheon construction, turnpiking, or the use of porous pavement
31 panel.

32
33 **HCC.** Homer Cycling Club.

34
35 **HEA.** Homer Electric Association.

36
37 **ILMA.** Interagency Land Management Agreement.

38
39 **Integrated Water Control.** Instituting water management into basic trail design, usually
40 during construction. Primary components include Grade Reversals and Outslope.

41
42 **Kachemak Bay Water Trail.** A 125-mile route extending from the Homer Spit east along
43 Kachemak Bay to the head of the bay, and further along the southern side of the bay to the
44 City of Seldovia.

45

- 1 **KAP.** Kenai Area Plan.
2
3 **KBCS.** Kachemak Bay Conservation Society.
4
5 **KBFRFCHA.** Kachemak Bay and Fox River Flats Critical Habitat Areas Management Plan
6 (1993).
7
8 **KBSP.** Kachemak Bay State Park.
9
10 **KBSWP.** Kachemak Bay State Wilderness Park.
11
12 **Knicks.** A semi-circular, shaved down section of trail, about 5-10 feet in length, and canted
13 to the outside with exaggerated outslope. Most commonly employed as a maintenance action
14 on existing low gradient trail sections. A Knick is smooth and subtle, often an unnoticeable
15 feature to users.
16
17 **KNSC.** Kachemak Nordic Ski Club.
18
19 **Latrine.** Vault toilet or bathroom facility.
20
21 **LDA.** Legislatively Designated Area.
22
23 **Logging Out.** Clearing a trail of fallen trees.
24
25 **LWCF.** Land and Water Conservation Fund. A federal program which provides monies and
26 matching grants to federal, state, and local governments for the acquisition and/or
27 development of land and water for public outdoor recreation use.
28
29 **Managed Trail.** A state park trail that has some type or level of Managed Use. To qualify
30 as a Managed Trail, one or more of the following must apply: 1) The trail is depicted on a
31 state park map distributed for public use; 2) The trail is maintained by park staff or
32 volunteers on a regular schedule (up to several years interval) for public use purposes; 3) The
33 trail is, or was, constructed for public use; 4) The trail is abandoned or closed to public use
34 but is used for administrative purposes; or 5) The trail is signed or marked by state parks for
35 public use.
36
37 **Managed Use.** The type of use that is actively managed and appropriate on a trail,
38 considering the design and management intent.
39
40 **Maximum Trail Grade.** A defined maximum tread grade that can be constructed along the
41 trail.
42
43 **May.** Same as “should”, see Should.
44

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1 **Motorized Vehicle.** A motorized device for carrying persons or objects over land, water, or
2 through the air, and includes automobiles, snowmachines, bicycles, off-road vehicles, boats,
3 and aircraft (11 AAC 21.290).

4
5 **National Register of Historic Places.** The nationwide catalog of significant historic
6 districts, sites, buildings, structures and objects established by the National Historic
7 Preservation Act of 1966 and maintained by the U.S. Secretary of the Interior (11 AAC
8 16.900).

9
10 **NPS.** National Park Service.

11
12 **Obstacles (Natural).** Objects that add challenge by impeding travel. They include: rocks,
13 roots, logs, holes, ledges, drop-offs, etc.

14
15
16 **Off-Road Vehicle (ORV).** A motorized vehicle designed or adapted for cross-country
17 operation over irregular terrain, consisting of more than one drive wheel or track, having a
18 gross vehicle weight less than 1,500 pounds or exerting less than eight pounds per square
19 inch ground pressure, and that is 64 inches wide or less, and does not include snowmobiles
20 (11 AAC 20.990).

21
22 **Organic Soils.** The term is also used to refer to the uppermost layer of dark surface soil that
23 has a high organic material content. Organic soils have a propensity of readily absorbing and
24 holding water and are poorly suited as a trail tread material.

25
26 **Outslope.** The amount the tread slopes from side-to-side to promote drainage off the trail
27 instead of down the trail.

28
29 **Partial Bench Cut.** A trail structure used to support the tread along a Contour Trail,
30 whereby the tread is partially supported by an excavated bench cut into a side slope and
31 partially supported by a fill section of compacted excavated material. See also Full Bench
32 Cut.

33
34 **Permit.** A written authorization to engage in uses or activities that are otherwise prohibited
35 or restricted (11 AAC 18.200).

36
37 **Personal Watercraft (PWC).** A vessel that is less than 16 feet in length, propelled by a
38 water-jet pump or other machinery as its primary source of motor propulsion, and designed
39 to be operated by a person sitting, standing, or kneeling on the vessel, rather than by a person
40 sitting or standing inside it. (11 AAC 20.990.)

41
42 **Porous Pavement Panel.** A permeable, rigid, multi-pocketed structural geogrid, typically
43 plastic, that is used to harden areas of saturated or unstable soils without the use of gravel
44 infill, bridges, or boardwalks. e.g. GeoBlock.

45

- 1 **Protrusion.** An object that protrudes from the surface of a trail.
2
- 3 **Retaining Wall (Revetment).** See Crib.
4
- 5 **Rolling Grade Dip.** A trail structure that utilizes a ramp-like excavation, a flat-bottomed
6 drain, and a built up compacted soil dam to direct water off the tread. Typically utilized as a
7 maintenance structure on existing trails.
8
- 9 **Route.** See Social Trail.
10
- 11 **ROW.** Right-of-way. The legal right to cross the land of another.
12
- 13 **RV.** Recreational Vehicle, such as a motor home or camper.
14
- 15 **SCORP.** Statewide Comprehensive Outdoor Recreation Plan.
16
- 17 **Shall.** Same as “will”, see Will.
18
- 19 **Short Pitch Maximum.** See Maximum Trail Grade.
20
- 21 **Should.** States intent for a course of action or a set of conditions to be achieved. Guidelines
22 modified by the word “should” state the plan’s intent and allow the manager to use discretion
23 in deciding the specific means for best achieving the intent or whether particular
24 circumstances justify deviations from the intended action or set of conditions.
25
- 26 **Sideslope.** See Slope.
27
- 28 **Slope.** Refers to the relative steepness of the natural terrain. Slope can be calculated by
29 determining the vertical rise over a given horizontal distance, but, is more often directly read
30 from a slope measurement instrument called a Clinometer. Slope can be expressed in
31 degrees, but for trail use is more commonly expressed as a percentage.
32
- 33 **Snow Trails.** Trails that have a surface consisting predominantly of snow or ice, which are
34 designed and managed to accommodate use on that surface.
35
- 36 **Snowmobile (snowmachine).** A self-propelled vehicle intended for off-road travel on snow,
37 having a maximum width of 50 inches and a curb weight of not more than 1,000 pounds,
38 driven by one or more tracks in contact with the snow, and steered by one or more skis in
39 contact with the snow (11 AAC 20.990).
40
- 41 **Social Trail** (also a Route). An unplanned, usually unmaintained and typically undesirable
42 trail alignment that develops informally as a result of public route pioneering, overuse,
43 degraded trail avoidance, or generally poorly planned trail design.
44
- 45 **SRS.** State Recreation Site.

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- 1 **State.** The State of Alaska.
2
- 3 **Surface Protrusions.** Surface imperfections that are within the acceptable challenge level
4 for the trail and do not obstruct the managed uses of the trail. Examples include rocks, roots,
5 holes, stumps, or fallen logs.
6
- 7 **Sustainable.** Capable of being continued with minimal long-term effect on the environment
8 and meets the needs of the present generation without compromising the ability of future
9 generations to meet their needs.
10
- 11 **Sustainable Trail.** A trail that conforms to its terrain and environment, is capable of
12 handling its intended use without serious degradation, and requires minimal maintenance.
13
- 14 **Switchback.** A sharp turn in the tread alignment, often 180 degrees, used to gain elevation
15 on steep side slopes (typically required on slopes above 22%).
16
- 17 **TBLH.** Tutka Bay Lagoon Hatchery.
18
- 19 **Ten-Percent Average Grade Guideline.** Refers to the practice of keeping the average trail
20 grade or overall trail grade from exceeding 10% along the alignment of the trail.
21
- 22 **Terra Trails.** Trails that have a tread surface consisting predominantly of native soil or
23 rock, which are designed and managed to accommodate use on that surface. A Terra Trail
24 may also have sections of boardwalk, or other hardened tread.
25
- 26 **Tethering.** Fastening or restraining an animal so that it can range only within a set radius
27 (11 AAC 20.990).
28
- 29 **TMO.** See Trail Management Objective.
30
- 31 **Traffic Control Device.** Any physical barrier, including a boulder, ditch, berm, railing,
32 fence, post, or gate (11 AAC 12.340).
33
- 34 **Trail.** A linear route managed for human-powered, stock, boats, or ORV forms of
35 transportation or for historic, heritage or commercial values.
36
- 37 **Trail Class.** The prescribed scale of trail development, representing the intended design and
38 management standards of the trail.
39
- 40 **Trail Corridor.** The total cleared area on both sides of a trail.
41
- 42 **Trail Hardening.** A technique to improve the surface characteristics of a tread. Usually
43 applied in wet or boggy ground or to enhance ADA characteristics.
44
- 45 **Trailhead.** The point at which a trail starts.

- 1 **Trail Management Objective (TMO).** Documentation of the management intention of a
2 trail based on its Designed Use, Design Parameters, and special considerations. TMOs
3 provide basic reference information for trail planning, management, condition surveys, and
4 reporting.
5
- 6 **Trail Segment.** A specific section of a trail with identified starting and ending points.
7
- 8 **Trail Standards.** Trail maintenance specifications that define the level of quality and
9 service the agency intends to provide for the public.
10
- 11 **Trail Structures.** Any component of a trail that has been purposely constructed. This
12 would include: developed treadway, bench cuts, switchbacks, retaining walls, drainage
13 devices, culverts, bridges, hand railings, boardwalks, trail signs and posts, etc.
14
- 15 **Trail Type.** A category that reflects the predominant trail surface and general mode of travel
16 accommodated by a trail. There are three Trail Types: Terra, Water, and Snow Trails.
17
- 18 **Tread.** The wear surface of the trail upon which a user travels. The tread, or treadway, is
19 the most fundamental component of a trail.
20
- 21 **Tread Creep.** Areas along a contour trail where the tread is sliding downslope due to
22 compaction, slope failure, or fill failure of a Partial Bench Cut. May be caused by trailside
23 features such as trees, bushes, roots, or another projection that forces traffic onto the Critical
24 Edge, compacting it downslope.
25
- 26 **UAV.** Unmanned Aerial Vehicle. Also referred to as a drone.
27
- 28 **USCG.** United States Coast Guard.
29
- 30 **USFS.** The United States Forest Service.
31
- 32 **Vehicle.** A mechanical device for carrying persons or objects over land, water, or through
33 the air, including automobiles, motorcycles, snowmachines, bicycles, off-road vehicles,
34 motorized boats, and aircraft. Vehicle does not include non-motorized sailboats, canoes,
35 kayaks, rafts, sailboards, hang gliders, gliders, or parasails (11 AAC 12.340 and 11 AAC
36 20.990).
37
- 38 **Vessel or Boat.** A device that is used or designed to be used for the movement of people or
39 goods in or on the water, whether manually or mechanically propelled, but does not include
40 personal floatation devices or other floats such as inner tubes, air mattresses, or surf boards
41 (11 AAC 20.990).
42
43

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1 **Waterbar.** A trail structure typically constructed of wood, rock, or reinforced rubber and
2 soil that is set at an angle across tread to direct water off the treadway. Generally being
3 phased out in favor of Grade Reversals and Outslope integrated into new construction, and
4 Outslope and Rolling Grade Dips retrofit into existing construction.

5
6 **Water Trail.** Trails that have a surface consisting predominantly of water, which are
7 designed and managed to accommodate use on that surface, and which may include land-
8 based portages.

9
10 **Weapon.** Includes a bow and arrow, slingshot, crossbow, and firearm (11 AAC 12.340 and
11 11 AAC 20.990).

12
13 **Will.** Requires a course of action or a set of conditions to be achieved. A guideline modified
14 by the word “will” must be followed by land managers and users. If such a guideline is not
15 complied with, a written decision justifying the noncompliance is required.

16

1
2

1 **Appendix B: Statutes and Regulations for**
2 **Kachemak Bay State Park and**
3 **Kachemak Bay State Wilderness Park**

4
5
6 **Park Enabling Legislation**

7
8 **Sec. 41.21.131. Kachemak Bay State Park established.** (a) The presently state-owned
9 land and water, and all that acquired in the future by the state, lying within the parcels
10 described in this section are designated as the Kachemak Bay State Park. In order to protect
11 and preserve this land and water for its unique and exceptional scenic value, the park is
12 established and shall be managed as a scenic park. The land and water lying within the
13 following described parcels is reserved from all uses incompatible with its primary function
14 as a scenic park and is assigned to the department for control, development, and
15 maintenance:

- 16 (1) Township 5 South, Range 10 West, Seward Meridian Chugachik Island
17 Sections 31 - 32;
18 (2) Township 5 South, Range 11 West, Seward Meridian
19 Section 2: Lot 1, excluding Tract A
20 Section 3: Lots 1 - 8, SW1/4NE1/4, S1/2NW1/4, N1/2SW1/4
21 Section 4: Lots 1 - 4, S1/2N1/2, SE1/4, E1/2SW1/4
22 Section 8: E1/2NE1/4, SE1/4
23 Section 9: Lots 1 and 2, NW1/4NE1/4, NE1/4NW1/4, W1/2NW1/4,
24 N1/2NE1/4SW1/4, SW1/4NE1/4SW1/4, excluding Lot 6
25 Section 10: Lot 1
26 Section 16: Lot 1
27 Section 17: Lots 1, 3, 4, NW1/4SW1/4, S1/2NW1/4
28 Section 18: Lot 4, SE1/4, E1/2NE1/4
29 Section 19: Lots 1 - 6, NW1/4NE1/4, NE1/4NW1/4
30 Section 20: Lot 1
31 Sections 24 - 25, excluding tide and submerged land within the Kachemak Bay
32 Critical Habitat Area
33 Section 26: SE1/4, excluding tide and submerged land within the Kachemak Bay
34 Critical Habitat Area
35 Section 35, excluding tide and submerged land within the Kachemak Bay Critical
36 Habitat Area
37 Section 36;
38 (3) Township 6 South, Range 11 West, Seward Meridian;
39

- 1 (4) Township 7 South, Range 11 West, Seward Meridian
- 2 Sections 1 - 4
- 3 Section 5: N1/2
- 4 Sections 7 - 36;
- 5 (5) Township 7 South, Range 12 West, Seward Meridian
- 6 Section 12, except N1/2NE1/4
- 7 Section 13
- 8 Sections 19 - 36;
- 9 (6) Township 7 South, Range 13 West, Seward Meridian
- 10 Sections 25 - 26
- 11 Sections 35 - 36;
- 12 (7) Township 8 South, Range 11 West, Seward Meridian
- 13 Sections 1 - 8
- 14 Section 9: N1/2
- 15 Section 10: N1/2
- 16 Section 11: N1/2
- 17 Section 12: N1/2
- 18 Sections 17 - 18;
- 19 (8) Township 8 South, Range 12 West, Seward Meridian;
- 20 (9) Township 8 South, Range 13 West, Seward Meridian
- 21 Sections 1 - 2
- 22 Sections 10 - 14
- 23 Section 15: E1/2
- 24 Section 23: N1/2 and SE1/4
- 25 Sections 24 - 25
- 26 Section 26: E1/2
- 27 Section 35: E1/2
- 28 Section 36;
- 29 (10) Township 9 South, Range 8 West, Seward Meridian
- 30 Section 2: W1/2
- 31 Section 3 - 10
- 32 Sections 15 - 22
- 33 Sections 27 - 34;
- 34 (11) Township 9 South, Range 9 West, Seward Meridian;
- 35 (12) Township 9 South, Range 10 West, Seward Meridian
- 36 Sections 10 - 15
- 37 Sections 22 - 27
- 38 Sections 34 - 36;
- 39 (13) Township 9 South, Range 12 West, Seward Meridian
- 40 Sections 1 - 6
- 41 Section 8: NE1/4
- 42 Sections 9 - 12
- 43 Section 13: N1/2
- 44 Section 14: N1/2;
- 45

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- 1 (14) Township 9 South, Range 13 West, Seward Meridian
2 Sections 1 - 2;
3 (15) Township 10 South, Range 8 West, Seward Meridian
4 Sections 4 - 8
5 Sections 17 - 19;
6 (16) Township 10 South, Range 9 West, Seward Meridian
7 Sections 1 - 4
8 Sections 10 - 15
9 Sections 22 - 24.

10 (b) The following public domain land shall be selected by the state, and classified as
11 scenic park land and designated as part of Kachemak Bay State Park immediately upon
12 receipt of management authority by the state:

- 13 (1) Township 6 South, Range 10 West, Seward Meridian: W1/2;
14 (2) Township 7 South, Range 10 West, Seward Meridian: W1/2;
15 (3) Township 8 South, Range 10 West, Seward Meridian
16 Section 6
17 Section 7: N1/2.

18 (c) Land lying within the parcels described in (a) and (b) of this section upon which there
19 are valid entries or upon which there are valid applications for lease filed under AS 38.05
20 before May 9, 1970, is excepted from (a) and (b) of this section. However, if any land
21 excepted under this subsection is subsequently relinquished to the state, it shall be included
22 as part of Kachemak Bay State Park.

23 24 **Sec. 41.21.132. Incompatible uses.**

25 The commissioner shall designate by regulation incompatible uses within the boundaries of
26 the Kachemak Bay State Park in accordance with the requirements of AS 41.21.130 -
27 41.21.142, and those incompatible uses designated shall be prohibited or restricted, as
28 provided by regulation.

29
30 *Sec. 41.21.133. Discharge of firearms. [Repealed, § 2 ch 126 SLA 1984.]*

31 32 **Sec. 41.21.134. Purchase authorized; eminent domain prohibited.**

33 The commissioner may acquire, by purchase in the name of the state, title to or interest in
34 real property lying within the boundaries of the Kachemak Bay State Park. The state may
35 not acquire by eminent domain privately owned land for inclusion in the Kachemak Bay
36 State Park.

37 38 **Sec. 41.21.140. Kachemak Bay State Wilderness Park established.**

39 (a) The presently state-owned land and water, and all that acquired in the future by the
40 state, lying within the parcels described in this section are designated as the Kachemak Bay
41 State Wilderness Park. In order to protect and preserve this land and water for its unique and
42 exceptional wilderness value, the park is established and shall be managed as a wilderness
43 park. The land and water lying within the following described parcels is reserved from all
44 uses incompatible with its primary function as a wilderness park and is assigned to the
45 department for control and maintenance:

- 1 (1) Township 8 South, Range 11 West, Seward Meridian
- 2 Section 9: S1/2
- 3 Section 10: S1/2
- 4 Section 11: S1/2
- 5 Section 12: S1/2
- 6 Sections 13 - 16
- 7 Sections 19 - 36;
- 8 (2) Township 9 South, Range 10 West, Seward Meridian
- 9 Sections 1 - 3;
- 10 (3) Township 9 South, Range 12 West, Seward Meridian
- 11 Section 7
- 12 Section 8: S1/2 and NW1/4
- 13 Section 13: S1/2
- 14 Section 14: S1/2
- 15 Sections 15 - 36;
- 16 (4) Township 9 South, Range 13 West, Seward Meridian
- 17 Section 11: NE1/4
- 18 Sections 12 - 13;
- 19 (5) Township 10 South, Range 9 West, Seward Meridian
- 20 Sections 5 - 7;
- 21 (6) Township 10 South, Range 10 West, Seward Meridian;
- 22 (7) Township 10 South, Range 11 West, Seward Meridian;
- 23 (8) Township 10 South, Range 12 West, Seward Meridian;
- 24 (9) Township 11 South, Range 10 West, Seward Meridian;
- 25 (10) Township 11 South, Range 11 West, Seward Meridian;
- 26 (11) Township 11 South, Range 12 West, Seward Meridian
- 27 Sections 1 - 10
- 28 Section 11: W1/2 and E1/2
- 29 Sections 12 - 17
- 30 Sections 21 - 24.
- 31 (b) The following public domain land shall be selected by the state, and classified as
- 32 wilderness park land and designated as part of Kachemak Bay State Park immediately upon
- 33 receipt of management authority by the state:
- 34 (1) Township 8 South, Range 10 West, Seward Meridian
- 35 Sections 4 - 5
- 36 Section 7: S1/2
- 37 Sections 8 - 9
- 38 Sections 16 - 21
- 39 Sections 28 - 33;
- 40 (2) Township 9 South, Range 10 West, Seward Meridian: W1/2;
- 41 (3) Township 9 South, Range 11 West, Seward Meridian.

42
43 **Sec. 41.21.141. Certain land excepted.**

44 Land lying within the parcels described in AS 41.21.140 upon which there are valid entries
45 or upon which there are valid applications for leases filed under AS 38.05 before March 9,

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1 1972 or that is withdrawn for or selected by Native village or regional corporations under
2 43 U.S.C. 1610, 1611 and 1613 (P.L. 92-203, §§ 11, 12 and 14 of the Alaska Native Claims
3 Settlement Act), is excepted from AS 41.21.140. However, if any land excepted under this
4 subsection is subsequently relinquished to the state, it shall be included as part of Kachemak
5 Bay State Wilderness Park.

7 **Sec. 41.21.142. Stream rehabilitation permitted.**

8 Nothing in AS 41.21.140 - 41.21.142 prohibits the Department of Fish and Game from
9 engaging in stream rehabilitation enhancement and development under AS 16.05.092 on land
10 lying within the parcels described in AS 41.21.140.

12 **Sec. 41.21.990. Definitions.**

13 In this chapter,

14 (1) “scenic park” means relatively spacious areas of outstanding natural significance,
15 where major values are in their natural geological, faunal, or floral characteristics, the
16 purpose of which is directed primarily toward the preservation of its outstanding natural
17 features and where development is minimal and only for the purpose of making the areas
18 available for public enjoyment in a manner consistent with the preservation of the natural
19 values such as camping, picnicking, sightseeing, nature study, hiking, riding, and related
20 activities which involve no major modification of the land, forests, or waters, and without
21 extensive introduction of artificial features or forms of recreational development that are
22 primarily of urban character;

23 (2) “wilderness park” means an area whose predominant character is the result of the
24 interplay of natural processes, large enough and so situated as to be unaffected, except in
25 minor ways, by what takes place in the nonwilderness around it, a physical condition which
26 activates the innermost emotions of the observer and where development of man-made
27 objects will be strictly limited and depend entirely on good taste and judgment so that the
28 wilderness values are not lost.

31 **Regulations that Apply Specifically to the Park**

33 **Article 2**

34 **Kachemak Bay State Park**

36 11 AAC 20.100. Use of weapons

37 The use and discharge of a weapon for the purpose of lawful hunting or trapping is allowed
38 in Kachemak Bay State Park, except within one-half mile of a developed facility.

40 11 AAC 20.110. Aircraft

41 (a) The use of aircraft is allowed in Kachemak Bay State Park on saltwater, gravel bars,
42 Emerald Lake, China Poot Lake, Hazelle Lake, and Petrof Lake except for the purpose of
43 practice landings. (b) A person may not land a helicopter in Kachemak Bay State Park
44 without a permit from the director under 11 AAC 18.

1 11 AAC 20.115. Motorized boats

2 (a) The use of a boat with a motor, other than a personal watercraft, is allowed in Kachemak
3 Bay State Park only on saltwater, China Poot Lake, Hazelle Lake, or Petrof Lake. (b) A
4 person may not launch or operate a personal watercraft in Kachemak Bay State Park. (c) A
5 person may not operate a motorized boat in excess of “Slow No-wake” speed, five miles per
6 hour maximum, within two hundred feet of a state managed dock, swimming beach, or boat
7 launch, or within an area designated and marked as a “Slow No-wake” zone.

8

9 11 AAC 20.120. Campfires

10 Open fires are allowed on non-vegetated gravel bars below timberline or on saltwater
11 beaches.

12

13

14 **Article 3**

15 **Kachemak Bay State Wilderness Park**

16

17 11 AAC 20.200. Use of weapons

18 The use and discharge of a weapon for the purpose of lawful hunting or trapping is allowed
19 in Kachemak Bay State Wilderness Park.

20

21 11 AAC 20.210. Aircraft

22 The use of aircraft is allowed in Kachemak Bay State Wilderness Park on saltwater and
23 saltwater beaches or where authorized by the director under 11 AAC 18.010.

24

25 11 AAC 20.215. Motorized boats

26 (a) The use of a boat with a motor, other than a personal watercraft, is allowed in Kachemak
27 Bay State Wilderness Park only on saltwater. (b) A person may not launch or operate a
28 personal watercraft in Kachemak Bay State Wilderness Park.

29

30 11 AAC 20.220. Campfires

31 Open fires are allowed on non-vegetated gravel bars below timberline or on saltwater
32 beaches.

33

Appendix C: Mammal List

This list was created as part of the Research Reserve’s Kachemak Bay Ecological Characterization CD-ROM project.

Marine Mammals

Common name	Scientific name	Common name	Scientific name
Sea Otter	Enhydra lutris	Humpback Whale	Megaptera novaeangliae
Steller Sea Lion	Eumetopias jubatus	Gray Whale	Eschrichtius robustus
California Sea Lion	Zalophus californianus	Bering Sea / Stejneger’s Beaked Whale	Mesoplodon stejnegeri
Northern Fur Seal	Callorhinus ursinus	Killer Whale	Orcinus orca
Guadalupe Fur Seal	Arctocephalus townsendi	Beluga or White Whale	Delphinapterus leucas
Harbor Seal	Phoca vitulina	Harbor Porpoise	Phocoena phocoena
Minke Whale	Balaenoptera acutorostrata	Dall’s Porpoise	Phocoenoides dalli
Fin Whale	Balaenoptera physalus		

Terrestrial Mammals

Common name	Scientific name	Common name	Scientific name
Coyote	Canis latrans	Little Brown Bat	Myotis lucifugus
Wolf	Canis lupus	Hoary Marmot	Marmota caligata
Red Fox	Vulpes vulpes	Red Squirrel	Tamiasciurus hudsonicus
Lynx	Lynx canadensis	Beaver	Castor canadensis
River or Canadian Otter	Lontra canadensis	Northern Red-backed Vole	Clenthrionomys rutilus
Wolverine	Gulo gulo	Singing Vole	Microtus miurus
Short-tail Weasel or Ermine	Mustela erminea	Tundra Vole	Microtus oeconomus
Least Weasel	Mustela nivalis	Muskrat	Ondatra zibethicus

Common name	Scientific name	Common name	Scientific name
Mink	<i>Mustela vison</i>	Northern Bog Lemming	<i>Synaptomys borealis</i>
Black Bear	<i>Ursus americanus</i>	House Mouse	<i>Mus musculus</i>
Brown Bear	<i>Ursus arctos</i>	Norway Rat	<i>Rattus norvegicus</i>
Moose	<i>Alces alces</i>	Dusky or Montane Shrew	<i>Sorex monticolus</i>
Caribou	<i>Rangifer tarandus</i>	Common or Masked Shrew	<i>Sorex cinereus</i>
Mountain Goat	<i>Oreamnos americanus</i>	Porcupine	<i>Erethizon dorsatum</i>
Dall Sheep	<i>Ovis dalli</i>	Snowshoe Hare	<i>Lepus americanus</i>

1

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Appendix D: Bird List

Legend

C Common - Easily found in small to large numbers in appropriate habitat.

U Uncommon - Occasionally, but not always, found in small numbers with some effort in appropriate habitat.

R Rare - occurs in very small numbers or in a very limited number of sites and may not be found every year or even with concentrated effort. There are more than a few records of these species in appropriate habitats.

A Accidental - Represents an exceptional occurrence of birds outside their normal range that might not be repeated again for decades.

Status

r - resident

b - confirmed breeder

s - summer resident

w - winter resident

m - migrant - passing through on way to summer or winter grounds, may only be found in narrow migration route

i - introduced species

Sp - spring: March - May

Su - summer: June - Aug.

F - fall: Sept. - Nov.

W - winter: Dec. - Feb.

There are 204 species of birds represented on this list. The area covers the Anchor River drainage, the watersheds draining into Kachemak Bay including all of Kachemak Bay State Park, and the Bay itself. The northern boundary crosses the southern end of the Kenai National Wildlife Refuge; the eastern border coincides with the western boundary of Kenai Fjords National Park and runs in the highlands above the southern drainages to Kachemak Bay down to point Pogibshi. Some of the species on this list can only be seen on the South side of Kachemak Bay or in other areas off of the road system.

Species	Sp	Su	F	W	Status
<i>Anatidae - Swans, Geese & Ducks</i>					
Greater White-fronted Goose	C	C	U	A	m
Emperor Goose	R	A	-	R	v
Snow Goose	R	-	U	-	m
Ross's Goose	A	-	-	-	v
Cackling Goose	C	U	C	-	m
Brant	C	C	R	A	m
Trumpeter Swan	C	U	C	R	smb
Tundra Swan	U	U	U	-	m
Gadwall	U	R	R	-	m
Eurasian Wigeon	U	R	R	R	m
American Wigeon	C	C	C	U	smb

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Appendix D: List of Birds

Species	Sp	Su	F	W	Status
Mallard	C	C	C	C	rmb
Blue-winged Teal	A	-	A	-	m
Northern Shoveler	C	U	U	R	m
Northern Pintail	C	U	C	A	smb
Green-winged Teal	C	C	C	R	s
Canvasback	U	-	R	-	m
Redhead	U	-	R	-	m
Common Pochard	A	-	-	-	v
Ring-necked Duck	U	R	U	-	mb
Greater Scaup	C	C	C	C	rmb
Lesser Scaup	U	-	U	-	m
Steller's Eider	C	R	C	C	w
Spectacled Eider	-	-	-	A	v
King Eider	R	R	R	R	w
Common Eider	C	C	C	U	rb
Harlequin Duck	C	C	C	C	rb
Surf Scoter	C	C	C	C	rm
White-winged Scoter	C	C	C	C	rm
Black Scoter	C	C	C	C	rmb
Long-tailed Duck	C	R	C	C	w
Bufflehead	C	R	C	C	rmb
Common Goldeneye	C	C	C	C	rb
Barrow's Goldeneye	C	C	C	C	rmb
Hooded Merganser	A	-	A	-	v
Common Merganser	C	C	C	C	rb

Species	Sp	Su	F	W	Status
Red-breasted Merganser	C	C	C	C	rb
Ruddy Duck	-	-	A	-	v
<i>Phasianidae – Pheasants & Grouse</i>					
Ring-necked Pheasant	C	C	C	C	rbi
Spruce Grouse	C	C	C	C	rb
Willow Ptarmigan	U	U	U	U	rb
Rock Ptarmigan	U	U	U	U	rb
White-tailed Ptarmigan	R	R	R	R	rb
<i>Gaviidae - Loons</i>					
Red-throated Loon	C	U	C	U	rm
Pacific Loon	C	U	C	C	rb
Common Loon	C	C	C	C	rb
Yellow-billed Loon	U	U	R	U	wr
<i>Podicipedidae - Grebes</i>					
Horned Grebe	C	U	C	C	rm
Red-necked Grebe	C	C	C	C	rmb
Eared Grebe	-	-	A	-	v
<i>Procellariidae - Shearwaters</i>					
Northern Fulmar	R	R	R	-	sr
Sooty Shearwater	U	C	C	-	v
Short-tailed Shearwater	U	U	U	-	v
<i>Hydrobatidae – Storm-Petrels</i>					
Fork-tailed Storm-Petrel	C	C	C	-	sr
Leach's Storm-Petrel	-	R	R	-	v
<i>Phalacrocoracidae - Cormorants</i>					

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Appendix D: List of Birds

Species	Sp	Su	F	W	Status
Brandt's Cormorant	-	A	-	-	v
Double-crested Cormorant	U	U	U	R	r
Red-faced Cormorant	C	C	C	R	rb
Pelagic Cormorant	C	C	C	C	rb
<i>Ardeidae - Herons</i>					
Great Blue Heron	R	R	R	R	v
<i>Cathartidae New World Vultures</i>					
Turkey Vulture	-	-	A	-	v
<i>Accipitridae - Eagle & Hawks</i>					
Osprey	R	R	R	-	m
Bald Eagle	C	C	C	C	rb
Northern Harrier	C	U	U	R	sb
Sharp-shinned Hawk	C	C	C	U	rb
Northern Goshawk	C	C	C	C	rb
Red-tailed Hawk	C	C	C	-	sb
Rough-legged Hawk	U	U	U	-	sb
Golden Eagle	R	R	R	A	s
<i>Falconidae - Falcons</i>					
American Kestrel	R	R	R	-	m
Merlin	U	C	R	R	sb
Gyr Falcon	R	R	R	R	w
Peregrine Falcon	U	U	R	R	sb
<i>Rallidae - Rails, Coots & Gallinules</i>					
American Coot	-	-	A	-	v
<i>Gruidae - Cranes</i>					

Species	Sp	Su	F	W	Status
Sandhill Crane	C	C	C	-	smb
<i>Charadriidae - Plovers</i>					
Black-Bellied Plover	C	U	U	A	m
American Golden-Plover	U	R	U	-	m
Pacific Golden-Plover	C	R	U	-	m
Semipalmated Plover	C	C	C	-	smb
Killdeer	R	R	-	-	v
<i>Haematopodidae - Oystercatchers</i>					
Black Oystercatcher	C	C	U	U	sb
<i>Scolopacidae - Sandpipers & Phalaropes</i>					
Greater Yellowlegs	C	C	C	-	sb
Lesser Yellowlegs	U	U	U	-	sb
Solitary Sandpiper	R	U	R	-	sb
Wandering Tattler	C	C	C	-	s
Spotted Sandpiper	C	C	C	-	sb
Whimbrel	C	C	C	-	sm
Bristle-thighed Curlew	A	-	-	-	m
Hudsonian Godwit	U	R	-	-	m
Bar-tailed Godwit	U	A	R	-	m
Marbled Godwit	U	R	A	-	m
Ruddy Turnstone	U	R	R	-	m
Black Turnstone	C	U	U	-	m
Surfbird	C	C	C	-	sm
Red Knot	U	R	R	-	m
Sanderling	U	U	U	R	m

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Appendix D: List of Birds

Species	Sp	Su	F	W	Status
Semipalmated Sandpiper	U	R	U	-	m
Western Sandpiper	C	C	C	-	m
Red-necked Stint	A	A	-	-	v
Temminck's Stint	A	-	-	-	v
Least Sandpiper	C	U	U	-	smb
Baird's Sandpiper	R	R	U	-	m
Pectoral Sandpiper	C	U	C	-	m
Sharp-tailed Sandpiper	-	-	U	-	m
Rock Sandpiper	C	R	U	C	w
Dunlin	C	U	U	R	m
Stilt Sandpiper	-	-	R	-	m
Ruff	A	-	-	-	v
Short-billed Dowitcher	C	C	U	-	m
Long-billed Dowitcher	U	U	U	-	sm
Jack Snipe	-	-	A	-	v
Wilson's Smipe	C	C	C	R	sb
Red-necked Phalarope	C	C	C	-	sb
Red Phalarope	A	A	A	-	v
<i>Laridae – Gulls & Terns</i>					
Franklin's Gull	-	A	-	-	v
Black-headed Gull	-	A	-	-	v
Bonaparte's Gull	C	C	C	R	sb
Black-tailed Gull	-	A	-	-	v
Mew Gull	C	C	C	C	rb
Ring-billed Gull	A	-	-	A	v

Species	Sp	Su	F	W	Status
California Gull	-	-	A	-	v
Herring Gull	C	C	C	C	r
Heermann's Gull	-	A	-	-	v
Thayer's Gull	R	A	R	R	v
Lesser Black-backed Gull	-	A	-	-	v
Slaty-backed Gull	R	A	A	R	v
Western Gull	-	A	-	-	v
Glaucous-winged Gull	C	C	C	C	rb
Glaucous Gull	U	R	U	U	w
Sabine's Gull	R	R	R	-	v
Black-legged Kittiwake	C	C	R	U	sb
Ross's Gull	-	A	-	-	v
Caspian Tern	R	R	-	-	v
Arctic Tern	C	C	R	-	sb
Aleutian Tern	C	C	-	-	sb
White-winged Tern	-	A	-	-	v
<i>Stercorariidae - Jaegers</i>					
Pomarine Jaeger	U	U	R	-	m
Parasitic Jaeger	U	U	R	-	sb
Long-tailed Jaeger	R	R	R	-	v
<i>Alcidae – Auks, Murres & Puffins</i>					
Common Murre	C	C	C	C	rb
Thick-billed Murre	A	A	A	R	w
Pigeon Guillemot	C	C	C	C	rb
Marbled Murrelet	C	C	C	C	rb

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Appendix D: List of Birds

Species	Sp	Su	F	W	Status
Kittlitz's Murrelet	C	C	C	U	rb
Ancient Murrelet	R	U	U	R	s
Cassin's Auklet	-	R	R	-	v
Parakeet Auklet	A	A	A	-	v
Crested Auklet	R	A	A	R	v
Rhinoceros Auklet	A	R	R	-	v
Horned Puffin	C	C	C	R	sb
Tufted Puffin	C	C	C	-	sb
<i>Columbidae – Pigeons & Doves</i>					
Rock Pigeon	C	C	C	C	ri
Eurasian Collared-Dove	-	A	-	-	vi
Mourning Dove	-	-	A	A	v
<i>Strigidae - Owls</i>					
Western Screech-Owl	-	A	-	-	v
Great Horned Owl	C	C	C	C	rb
Snowy Owl	R	-	-	R	w
Northern Hawk-Owl	R	R	R	R	ir
Great Gray Owl	R	R	R	R	v
Short-eared Owl	U	U	R	R	sb
Boreal Owl	U	U	U	U	r
Northern Saw-whet Owl	U	U	U	U	rb
<i>Caprimulgidae - Goatsuckers</i>					
Common Nighthawk	A	A	-	-	v
<i>Trochilidae - Hummingbirds</i>					
Anna's Hummingbird	-	-	R	A	v

Species	Sp	Su	F	W	Status
Rufous Hummingbird	U	U	U	-	smb
<i>Alcedinidae - Kingfishers</i>					
Belted Kingfisher	C	C	C	U	rb
<i>Picidae – Woodpeckers</i>					
Red-breasted Sapsucker	-	-	R	R	v
Downy Woodpecker	C	C	C	C	rb
Hairy Woodpecker	U	U	U	U	rb
American Three-toed Woodpecker	U	U	U	U	rb
Black-backed Woodpecker	R	R	R	R	rb
Northern Flicker	R	R	R	R	r
<i>Tyrannidae - Flycatchers</i>					
Olive-sided Flycatcher	R	U	U	-	sb
Western Wood-Pewee	R	R	-	-	sb
Alder Flycatcher	R	C	C	-	sb
Say's Phoebe	R	R	R	-	m
<i>Laniidae - Shrikes</i>					
Northern Shrike	U	U	U	U	rb
<i>Corvidae – Crows, Magpies & Jays</i>					
Gray Jay	C	C	C	C	rb
Steller's Jay	C	C	C	C	rb
Black-billed Magpie	C	C	C	C	rb
Northwestern Crow	C	C	C	C	rb
Common Raven	C	C	C	C	rb
<i>Alaudidae - Larks</i>					
Horned Lark	R	U	U	A	sb

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Appendix D: List of Birds

Species	Sp	Su	F	W	Status
<i>Hirundinidae - Swallows</i>					
Tree Swallow	C	C	C	-	sb
Violet-green Swallow	C	C	C	-	sb
Bank Swallow	C	C	C	-	sb
Cliff Swallow	C	C	C	-	sb
Barn Swallow	-	A	-	-	v
<i>Paridae - Chickadees</i>					
Black-capped Chickadee	C	C	C	C	rb
Boreal Chickadee	C	C	C	C	rb
Chestnut-backed Chickadee	U	U	U	U	rb
<i>Sittidae - Nuthatches</i>					
Red-breasted Nuthatch	C	C	C	C	rb
<i>Certhiidae - Creepers</i>					
Brown Creeper	C	C	C	C	r
<i>Troglodytidae - Wrens</i>					
Pacific Wren	C	C	C	C	rb
<i>Cinclidae – Dippers</i>					
American Dipper	C	C	C	C	rb
<i>Regulidae - Kinglets</i>					
Golden-crowned Kinglet	C	C	C	C	rb
Ruby-crowned Kinglet	C	C	C	R	sb
<i>Turdidae - Thrushes</i>					
Northern Wheatear	R	R	R	-	m
Mountain Bluebird	-	-	A	A	v
Townsend's Solitaire	-	A	R	R	v

Species	Sp	Su	F	W	Status
Gray-cheeked Thrush	U	U	U	-	sb
Swainson's Thrush	C	C	U	-	sb
Hermit Thrush	C	C	C	A	sb
American Robin	C	C	C	U	sb
Varied Thrush	C	C	C	U	sb
<i>Sturnidae - Starlings</i>					
European Starling	-	-	R	R	vi
<i>Matacillidae – Pipits and Wagtails</i>					
Eastern Yellow Wagtail	-	A	-	-	v
White Wagtail	-	A	-	-	v
American Pipit	C	C	C	R	s
<i>Bombycillidae - Waxwings</i>					
Bohemian Waxwing	-	R	C	C	m
Cedar Waxwing	R	R	R	R	rb
<i>Calcariidae – Longspurs and Snow Buntings</i>					
Lapland Longspur	C	R	C	R	m
Smith's Longspur	A	-	-	-	v
Snow Bunting	U	-	-	U	w
McKay's Bunting	-	-	-	A	v
<i>Parulidae – Wood Warblers</i>					
Orange-crowned Warbler	C	C	C	A	sb
Yellow Warbler	C	C	C	-	sb
Yellow-rumped Warbler	C	C	C	-	sb
Townsend's Warbler	C	C	C	-	sb
Blackpoll Warbler	U	U	U	-	s

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Appendix D: List of Birds

Species	Sp	Su	F	W	Status
American Redstart	-	A	-	-	v
Northern Waterthrush	U	U	-	-	s
Common Yellowthroat	-	A	-	-	vb
Wilson's Warbler	C	C	U	R	sb
<i>Emberizidae - Sparrows</i>					
Spotted Towhee	A	-	-	-	v
American Tree Sparrow	U	U	U	U	w
Savannah Sparrow	C	C	C	-	sb
Fox Sparrow	C	C	C	R	sb
Song Sparrow	C	C	C	C	rb
Lincoln's Sparrow	C	C	C	R	sb
White-throated Sparrow	A	-	R	R	v
Harris's Sparrow	-	-	A	A	v
White-crowned Sparrow	C	C	C	U	rmb
Golden-crowned Sparrow	C	C	C	U	rmb
Dark-eyed Junco	C	C	C	C	rmb
Rustic Bunting	A	-	-	-	v
<i>Cardinalidae - Tanagers</i>					
Western Tanager	A	-	-	-	v
<i>Icteridae - Blackbirds</i>					
Red-winged Blackbird	R	R	R	-	v
Yellow-headed Blackbird	-	A	-	-	v
Western Meadowlark	A	-	-	-	v
Rusty Blackbird	U	U	U	R	sb
Brown-headed Cowbird	-	-	A	A	v

Species	Sp	Su	F	W	Status
<i>Fringillidae - Finches</i>					
Brambling	R	-	-	R	v
Gray-crowned Rosy Finch	C	A	C	C	w
Pine Grosbeak	C	C	C	C	rb
Purple Finch	A	-	A	A	v
Cassin's Finch	A	-	-	A	v
Red Crossbill	R	R	R	R	v
White-winged Crossbill	C	C	C	C	b
American Goldfinch	-	-	-	A	v
Common Redpoll	C	C	C	C	rb
Hoary Redpoll	R	-	R	R	w
Pine Siskin	C	C	C	C	rb

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Compiled and edited by
George West, Dale Chorman, David Erickson, Carmen Field,
Conrad Field, Mossy Kilcher, Rich Kleinleder, Aaron Lang,
George Matz, Lani Raymond, Martin Renner, Karl Stoltzfus,
Beth Trowbridge (Updated 2011)

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1 **Appendix E: Trail Plan**
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Trail Management Objectives (TMO)

Area: Park Unit: District:

Trail Name: <input type="text" value="SADIE KNOB TRAIL"/>	Trail ID: <input type="text" value="401A"/>
Trail Beginning Termini: <input type="text" value="NORTH ELDRED TRAILHEAD"/>	Beg. Milepost: <input type="text" value="0.0"/>
Trail Ending Termini: <input type="text" value="SADIE KNOB"/>	End. Milepost: <input type="text" value="4.19"/>
Trail Inventory Length: <input type="text" value="4.19"/> Miles	Trail Mileage Source: <input type="checkbox"/> Wheel <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Map <input type="checkbox"/> Unknown

TMO Trail Section (if applicable)

<input type="text"/>	Section Beg. Termini: <input type="text"/>	Beg. Milepost: <input type="text"/>
Sec.#	Section End. Termini: <input type="text"/>	End. Milepost: <input type="text"/>

Designed Use Objectives

<p>(Check one)</p> <p>Trail Type</p> <p><input checked="" type="checkbox"/> Terra Trail</p> <p><input type="checkbox"/> Snow Trail</p> <p><input type="checkbox"/> Water Trail</p> <p>(Check one)</p> <p>Trail Class</p> <p><input type="checkbox"/> 1 (Primitive/Undeveloped)</p> <p><input checked="" type="checkbox"/> 2 (Simple/Minor Development)</p> <p><input type="checkbox"/> 3 (Developed/Improved)</p> <p><input type="checkbox"/> 4 (Highly Developed)</p> <p><input type="checkbox"/> 5 (Fully Developed)</p>	<p>Difficulty Rating</p> <p>(Check one)</p> <p><input type="checkbox"/> Easiest (white circle)</p> <p><input type="checkbox"/> Easy (green circle)</p> <p><input checked="" type="checkbox"/> Intermediate (blue square)</p> <p><input type="checkbox"/> Difficult (black diamond)</p> <p><input type="checkbox"/> Most Difficult (dbl diamond)</p> <p><input type="checkbox"/> _____</p>	<p>Elevation Chg</p> <p><input type="text" value="+2283"/> + or - Feet</p>
		<p>Level of Use</p> <p><input checked="" type="checkbox"/> Low (0-10 per day)</p> <p><input type="checkbox"/> Moderate (10-100 / day)</p> <p><input type="checkbox"/> High (100+ per day)</p> <p><input checked="" type="checkbox"/> Est <input type="checkbox"/> Act <input type="checkbox"/> Counter</p>

Designed Use

(Check one)

Hiker / Pedestrian

Pack & Saddle

Bicycle

Wheelchair (ADA stds)

Motorcycle

All Terrain Vehicle (ATV)

Cross-Country Ski

Snowmachine

Snowshoe

Dog Sled

Skijoring

Watercraft - Non Motorized

Watercraft - Motorized

Design Parameters

(Fill in all that apply)

Basic Tread Width, inches

Clearing Width, feet

Clearing Height, feet

Backslope: 1/1, 2/1, 1/2

Target Grade, % (>90% of trail)

Max. Sustainable Grade, % for distance (ft) 100

Turn Radius Min, ft

Target Frequency Maintenance per Year

(Fill in all that apply)

Trail Opening

Tread Repair

Drainage Cleanout

Logging Out

Brushing

Snow Trail Grooming

Condition Survey



Trail Management Objectives (TMO) Part 2

Trail Use Strategies

Rev. Date:
1/12/2007

Managed Use

Season

(Fill in all that apply)

	From (mm/dd)	To (mm/dd)
<input checked="" type="checkbox"/> Hiker / Pedestrian	6/21	10/01
<input type="checkbox"/> Pack & Saddle		
<input type="checkbox"/> Bicycle		
<input type="checkbox"/> Wheelchair		
<input type="checkbox"/> Motorcycle		
<input type="checkbox"/> All Terrain Vehicle (ATV)		
<input type="checkbox"/> _____		
<input type="checkbox"/> Cross-Country Ski		
<input type="checkbox"/> Snowmobile		
<input type="checkbox"/> Dog Sled		
<input type="checkbox"/> Skijoring		
<input type="checkbox"/> _____		
<input type="checkbox"/> Watercraft - NonMotorized		
<input type="checkbox"/> Watercraft - Motorized		

Prohibited Use

(Check if applicable)

From Date (mm/dd) To Date (mm/dd)

<input checked="" type="checkbox"/> All Motorized Use	01/01	12/31*
(Or, fill in all that apply)		
<input type="checkbox"/> Hiker / Pedestrian		
<input checked="" type="checkbox"/> Pack & Saddle	01/01	12/31**
<input checked="" type="checkbox"/> Bicycle	01/01	12/31*
<input type="checkbox"/> Wheelchair		
<input type="checkbox"/> Motorcycle		
<input type="checkbox"/> All Terrain Vehicle (ATV)		
<input type="checkbox"/> _____		
<input type="checkbox"/> Cross-Country Ski		
<input type="checkbox"/> Snowmobile		
<input type="checkbox"/> Dog Sled		
<input type="checkbox"/> Skijoring		
<input type="checkbox"/> _____		
<input type="checkbox"/> Watercraft - NonMotorized		
<input type="checkbox"/> Watercraft - Motorized		

Other Use

(Optional: Check any that apply)

	Accept	Discourage	Eliminate
<input type="checkbox"/> Hiker / Pedestrian	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Pack & Saddle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Bicycle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Wheelchair	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Motorcycle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> All Terrain Vehicle (ATV)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Cross-Country Ski	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Snowmobile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Dog Sled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Skijoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> SNOW SHOE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Watercraft - NonMotorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Watercraft - Motorized	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Special Considerations

(Check any that apply. Underline appropriate clarifier in parenthesis. Provide specifics and reference information below.)

<input type="checkbox"/> Accessible per Current Agency Guidelines
<input type="checkbox"/> Mechanized Tools or Equipment Prohibited
<input type="checkbox"/> Threat, Endang or Sens Species (<u>Plant / Wildl</u>)
<input type="checkbox"/> Cultural Resource Present
<input type="checkbox"/> Easement across Non-Park Land (<u>Existing / Needed</u>)
<input type="checkbox"/> Existing Permit or Agreement (<u>Trail-Specific / Area</u>)
<input type="checkbox"/> _____

Remarks / Reference Information

(Use continuation sheet if needed.)

Target date for logging out: 6/21

* 11 ACC 12.020 Sec. C

** 11 ACC 12.910

Completed by: _____ Title: _____ Date: _____

Approved by: _____ Title: _____ Date: _____



Trail Management Objectives

Trail Name:

Trail ID:

Remarks / Reference Information (Continuation Sheet)

(Type notes over this message. To insert spaces between lines of text in Excel, press Alt and Enter.)

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COOPERATIVE AGREEMENT
between the
Alaska Department of Fish and Game,
Habitat Division
and the
Alaska Department of Natural Resources,
Division of Parks and Outdoor Recreation

This cooperative agreement is designed to assist the agencies in cooperatively managing the area of overlap of the Kachemak Bay State Park and the Kachemak Bay Critical Habitat Area. The agreement pertains to the responsibilities of the Alaska Department of Fish and Game, Habitat Division and the Alaska Department of Natural Resources, Division of Parks and Outdoor Recreation within Kachemak Bay and in no way alters existing authorities and responsibilities either between or within the agencies.

WHEREAS, the Alaska Department of Fish and Game (ADF&G) has a legislatively mandated responsibility to manage the Kachemak Bay Critical Habitat Area (AS 16.20.590); and

WHEREAS, the Alaska Department of Natural Resources (ADNR) has a legislatively mandated responsibility to manage the Kachemak Bay State Park (AS 41.21.130-143); and

WHEREAS, portions of Kachemak Bay are designated as both state critical habitat area and state park; and

WHEREAS, it is desirable to have maximum consistency between state park and state critical habitat area regulation and administration; and

WHEREAS, it is the intention of the ADNR/Division of Parks and Outdoor Recreation (DPOR) and the ADF&G/Habitat Division to coordinate administrative efforts in managing overlapping portions of the state park and state critical habitat area;

NOW, THEREFORE, the parties hereto agree as follows:

THE DEPARTMENT OF NATURAL RESOURCES, DIVISION OF PARKS AND OUTDOOR RECREATION AGREES:

1. To consult with ADF&G, through the Habitat Division, in the development of a management plan for Kachemak Bay State Park.
2. To seek the advice of ADF&G, through the Habitat Division, on regulations and major park policies or decisions which apply to the portions of Kachemak Bay which are designated both state park and state critical

habitat area. These include the management of mariculture, sport fishing charters or other commercial operations, and the development of park facilities when habitat values or use conflicts can reasonably be anticipated to be affected.

3. To monitor tideland and water use activities, to report any special area permit violations or other resource management problems within the area covered by this agreement promptly to the Habitat Division, and to coordinate compliance operations where appropriate.
4. To review and comment on state critical habitat area management plans, regulations, major policies, or decisions and permits for that portion of the critical habitat area which is in the state park.
5. Comply with the notice and, if applicable, ADF&G special area permit requirements of AS 16.20.520-530 and 5 AAC 95 for park developments, uses, and activities in the critical habitat area.


THE DEPARTMENT OF FISH AND GAME, THROUGH ITS HABITAT DIVISION, AGREES:

1. To consult with DPOR in the development of a management plan for the state critical habitat area.
2. To monitor multiple use activities, to report state park permit violations or other resource management problems in the portion of Kachemak Bay which is a state park to DPOR, and to coordinate compliance operations where appropriate.
3. To review and comment on state park management plans, regulations, major policies or decisions, and permits for the portion of the state park which is in the critical habitat area.
4. To seek the advice of DPOR on regulations and major policies or decisions which apply to the portion of the critical habitat area that is in the state park (such as mariculture, habitat enhancement activities, introduction of non-native species or placement of structures or facilities).
5. To apply for a park use permit when required under 11 AAC 18.010 for developments or uses and activities in the state park.

THE DEPARTMENT OF NATURAL RESOURCES AND DEPARTMENT OF FISH AND GAME MUTUALLY AGREE:

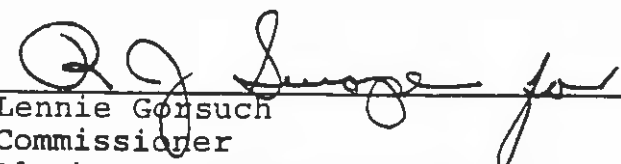
1. Nothing in this cooperative agreement alters the obligation of DPOR and the ADF&G resource management divisions (Wildlife Conservation; Sport Fish; Commercial Fisheries; Fisheries Rehabilitation, Enhancement, and Development; and Subsistence) to work with each other on issues regarding management of fish and wildlife populations and harvest.
2. Nothing in the cooperative agreement shall obligate any party in the expenditure of funds or for future payments of money in excess of appropriations authorized by law.
3. Each party agrees that it will be responsible for its own acts and the results thereof, and each party shall not be responsible for the acts of the other party, and each party agrees it will assume to itself risk and liability resulting in any manner under this agreement.
4. Each party will comply with all applicable laws, regulations, and executive orders relative to equal employment opportunity.
5. Nothing herein is intended to conflict with federal, state, or local laws or regulations. If there are conflicts, the laws and regulations shall prevail; this agreement will be amended at the first opportunity to bring it into conformance with conflicting laws or regulations.
6. Either the ADNR or the ADF&G may terminate its participation in this cooperative agreement by providing to the other party notice in writing 60 days in advance of the date on which its termination becomes effective.
7. A free exchange of research and information between agencies is encouraged and is necessary to attain the management goals of the state.
8. To follow permit consultation procedures that are in compliance with state regulations governing notice and review periods.
9. Amendments to this agreement may be proposed by either agency and shall become effective upon approval of both agencies.

10. The effective date of this agreement shall be from the date of final signature.



Don W. Collinsworth
Commissioner
Alaska Department of Fish and Game

1-11-89
Date



Lennie Gorsuch
Commissioner
Alaska Department of Natural Resources

7/24/89
Date

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