INDEX

INDEX

A	anadromous waterbodies - 5,32-33,34, defined - 49
100'-300' zone - 32	Anchorage - 5
abbreviations - v	annual allowable cut - 7,10-11,12,13, defined - 49
access - 21	aquatic habitat - see wetlands and rivers, streams, & lakes
see also transportation and access	area plan - see land use plans
access across wetlands - 38	Army Corps of Engineers - 36
access design and management - 37-40	AS 38.04.065 - 43-44,73
access location & design - 3,7,8,10,31,33,37-38,47	AS 38.05.035 - 43-45
background report - 5	AS 38.05.112 - 3,8,73
road crossings - 33	AS 38.05.113 - 3,7,8,41
road management and closures - 39	AS 38.05.945 - 41,43-44
road construction - 39,46,77, clearing - 38	AS 41.17 - 3,8,22,25,27,28,30,32,73
road standards - 38	AS 41.23.470 - 3
water transportation - 38	aspen - 11,20,22,34,40
acknowledgments - 79	atlas of vegetation - 5
ACMP - see Alaska Coastal Management Program	ATV - see off-highway vehicle
acronyms - v	
advertisements - 41	В
agency review - 41	background reports - 5,46
Agriculture, Division of - 5,24,79	bald eagles - see eagles
agricultural lands - 4,9,23-24,73,	Bartlett Hills - 13
acreage & volume 65	bears - 19,20,25,33,37
air quality - 1	brown bear habitat - 25
Alaska Coastal Management Program - 36,77,78	Beluga Mountain - 17
Alaska Historic Preservation Act - 26	birch - 11,13,20,22,25,40,46, acreage and volume - 67-72
Alaska Natural Heritage Program - 46	black spruce - 11,30,59, acreage and volume- 67-72
Alaska Railroad - 30	blowdown - 27,33
Alaska Range subunits - 8 Alaska Range 1b - 12, acreage & volume- 63,71	borough land - see Matanuska-Susitna Borough
Alaska Forest Resources and Practices Act -	boundary of Susitna Forestry Guidelines area - 2,4
see Forest Practices Act	broadcast burning - 21, defined - 49
Alaska Heritage Resource Survey - 9	buffers - 17,26,27,29,46 rivers, streams, and lakes - 32-35
Alexander Creek - 3,5,13	
all-terrain vehicle - see off-highway vehicle	trails - 35-36
Amber Lake - 13,30	trumpeter swans - 36
amendment - 3,6,10,43, defined - 49	burn plan - 21, defined - 49

C D Calypso orchid - 25 DEC - see Environmental Conservation, Department of campground - 30 Deception Creek Land Use Plan (all subunits) - 25, acreage and volume - 59, 67 Canyon Lake - 13 decking - 29, defined - 50 changes to the guidelines - 43-45 Deshka River - 3,28,29,34 chemicals, use in forest management - 23 designated use - see designation Chijuk Creek - 8,34 designation - 1,4,7,8,9,10,12,17, defined - 50 Chulitna River - 24,29,34 DFG - see Fish and Game, Department of Citizens' Advisory Committee - 5,6,57 Dinglishna Hill - 13 Clear Creek - 3 discretion within guidelines - 44-45 clearcut - 10,18a,29,35, defined - 49 see also harvesting systems disease - 9,21,23,26,27,28,29,30,32,34,35,37 Coastal Management - see Alaska Coastal disking - 22 Management Program diversity - 1,17,32,37 Commerce and Economic Development, DNR - see Natural Resources, Department of Department of - 5,20,83 DOF - see Forestry, DNR Division of commercial use - 1,10,11,13,19,30,73, defined - 49 DOT&PF - see Transportation and Public Facilities, see also timber sales Department of commercial recreation sites - 28 DPOR - see Parks and Outdoor Recreation, conditional areas - 10, defined - 49, DNR Division of acreage & volume - 60-72 draft guidelines - 5 controlled burning - 21 due deference - 33, defined - 50 coordination with other landowners - 7 co-primary use - 4,9,12, defined - 49, E acreage & volume - 59-72 eagles - 5,24-25,46, nest sites defined - 50 cottonwood - 11,20,22,24,40,59, nest setbacks - 9,24 acreage & volume - 67-72 East side-Phase 1 - 9,11, cover habitat - 12,13,17,19,26,27,28,32,38, acreage & volume - 59-60,67-68 defined - 50 enforcement - 47 cultural resources - see also heritage sites Environmental Conservation, cut and leave areas - 17 Alaska Department of - 5,21,23,26,79 cuts and fills - 38 DEC permits - 21 cutting units - 3,10,18a, defined - 50 DEC authority for pesticides - 22 arrangement - 19 equipment storage - 29 orientation - 19 exotic species - see non-Native species size and shape - 19,28,29 experimental forests - 14,46, defined - 50

feasible and prudent - 44-45, defined - 50 geographic information system (GIS) - 5 fertilization - 23,45 glossary - 49 fire management - 9,17,21,26,27,28,29,30,32,34,35,37 grass competition - 22,45 broadcast and controlled burning - 21 grazing, research needs - 46,73 fire prescriptions - 21, defined - 50 gross timber base - 8 interagency fire management plan - 17,83 group selection - 18a,20,22, defined - 51 Fish and Game, Department of see also selective harvesting 5,6,13,14,17,19,21,22,24,26,27,28,29,32,33,34, grouse - 11 35,36,37,38,40,41,44,79 guideline modification procedures - 43-45 fish and wildlife habitat -1,7,8,10,11,13,17,19,20,22,26,28,46,73,77 background report - 5 fish and wildlife habitat in riparian areas - 32-35 habitat - see fish and wildlife habitat habitat enhancement - 9,13,27,28,34,41 Happy River - 17 research needs - 45 harvesting - see timber harvest wildlife concentration areas - 33,38 hazards - 9,26,27,28,29,30,32,34,35,37,77,78 Fish and Wildlife Service, US - 5,24,25,36,38 herbicide - 23,46 Fish Creek Management Plan - 1,7,23,27,35 heritage resources - 7,26-27 see also historic sites Five-Year Schedule of Timber Sales - 3,7,10,11,17, background report - 5 19,24,26,30,33,35,37,39,40,41 high sites - 8,9,30, defined - 51, flightseeing - 30,75,76 acreage and volume - 59-72 FLUP - see Forest Land Use Plan historic sites - 9,35,78 see also heritage resources FMR - see Forest Land Use Plan houselogs - 12,20 Forest Land Use Plan - 3,13,17,19,21,22,24,26,27, Houston Demonstration Forest - 14 30,33,35,37,39,40,41,73 How to Use the Susitna Forestry Guidelines forest management guidelines - 7 inside cover, vi-ix Forest Management Report - see Forest Land Use Plan Forest Practices Act - 3 Forest Service, US - 5,8,23,79 ice bridges - 8,46,76,77, defined - 51 forest succession - 45 Iditarod National Historic Trail - 9,10,35 Forestry, DNR Division of - 3,5,6,7,9,10,11,13,14,17, implementation - 43-47 19,21,22,24,25,26,27,28,29,30,32,33,34,36,37, 38,40,41,45,79 INHT - see Iditarod National Historic Trail FPA - see Forest Practices Act insects - 9,21,23,26,27,28,29,30,32,34,35,37 fuelwood - 12 interagency review - 41 interagency fire management plan fuel storage - 77 see fire management full-tree logging - 20 inventory - 8 funding - 47 islands-29,34,34a,47 furbearers - 32,33

K М Kahiltna River - 8,29,30,34,38,47 management plan - see land use plans Kashwitna Knobs - 24 map atlas - 5,83 Kashwitna Management Plan - 1,7,9,26 marten - 11,19,21,27 Kashwitna 1a - 9,32, acreage & volume - 59,67 Matanuska-Susitna Borough - 4,8,13,30,35,36,40,79, Kashwitna 1b - 9,32, acreage & volume - 59,67 acreage and volume - 65 Kashwitna River - 8,9,28,29 material sites - 39 Kashwitna Road - see Willer-Kash Road Mental Health Trust - 3,4,11 Kroto Creek - 7,28,47 mineral licks - 32 Kutna Creek - 13 mining - 73 minor change - 43-44, defined - 52 modifying the guidelines - 43-45 Lake Creek - 3,17 Montana Creek - 34 lakeshores - 8,10,30,32-35,45 moose - 12,13,19,26,29,33,34,38,40 see also rivers, streams, and lakes browse and forage areas - 21,28,32,37,45 Land, DNR Division of -5,6,14,17,36,40,41,43,44, concentration areas - 19.20 45,78,79 data collection - 21 land disposals - 46 lakeshore habitat - 34 land ownership - 4 (table), 7 winter range - 27 background report - 5,83 Moose Creek - 28.34 land use designation - see designation Mount Susitna - 17 land use plans - 1,2,36,46,47 Mount Susitna-Phase 1 - 9.11, landing areas - 38, defined - 51 acreage and volume - 61,69 legislatively designated areas - 1, defined - 51, Mount Susitna subunits - 8,9 acreage and volume - 65 Mount Susitna 2b - 8,26,34,36, liability - 27 acreage and volume - 61,69 Little Susitna River - 3,29 Mount Susitna 2c - 8,13,26,34, acreage and volume - 61,63,69,71 Little Willow Creek - 8,28,30,47 Mount Susitna 3c - 8,13,20,24, Lockwood Lake - 13 acreage and volume - 64,71 lodges - 28,75,76 Mount Susitna 3f - 8,24, logging - see timber harvesting acreage and volume - 63,71 low sites - 8,9, defined - 51, Mount Susitna 4a - 12, acreage and volume - 59-72 acreage and volume - 61,64,69,72 Mount Susitna 4d - 8,20, acreage and volume - 64,71 Mount Susitna 5a - 8,13, acreage and volume - 63,71 Mount Susitna 6c - 8,20, acreage and volume - 64,71 multiple use - 3,17, defined - 52

Peters Creek - 30,34,47 N Petersville Road - 9,27,30 Native Corporations - 4 Petersville Road subunits - 8.9 natural areas - see research natural areas Petersville Road 1a - 8,9,13,30,34,47, Natural Resources, Alaska Department ofacreage and volume - 60,62,67,70 1,4,5,6,7,8,11,12,21,23,24,25,34,39,40,41,43,47 Petersville Road 2b - 12,36, DNR permit for overland winter travel - 78 acreage and volume - 60,68 Neil Lake - 13 Petersville Road 3a - 9,19,27,30, acreage and volume - 60,68 net timber base - 9,10 Petersville Road 3g - 12,13, noise - 28,29,35 acreage and volume - 60,68 non-Native species - 22 Petersville Road 6c, North Fork Kashwitna River - 9,28,36 acreage and volume - 60,68 Petersville Road 6d, 0 acreage and volume - 60,67 Petersville Road 7c - 13,29, off-highway vehicle - 39,77,78, defined - 52 acreage and volume - 60,68 Office of History and Archaeology - 26 Petersville Road 7d - 24,34, OHA - see Office of History and Archaeology acreage and volume - 60,67 Oilwell Road - 39 Phase 1, 2, and 3 - 7,9,10,11,34, defined - 52, Onestone Lake - 13 acreage and volume - 59-72 orientation of cutting units - 19 planning team - 5,79 ORV - see off-highway vehicle planning process - 5 Otter Lakes - 13 planning staff - 79 pre-commercial stand management - 25 P primary road - 39, defined - 52 Palmer - 5,17 primary use - 1,9, defined - 52 see also co-primary use Parker Lake - 13 private land - 4,21,27,40, acreage and volume - 65 parks - 1 procedures for guideline modification - 43-45 Parks and Outdoor Recreation, DNR Division ofprohibited areas (for timber harvest) - 8,28,32,33,34, 5,13,14,17,19,20,26,28,29,30,32,33,35,36,38,79 defined - 52, acreage and volume - 60-72 Parks Highway - 8,12,19,29 see also Scenic Resources public meetings - 5,41,43-44 peregrine falcon nests - 25 public notice - 6,14,21,23,40-41,43-45 for control of insects, disease, wildfire, periodic review of guidelines - 43 or hazards - 26,27,28,29,30,32,34,35,37 personal use wood harvesting - 1,3,4,7,8,9,12,13,19, public recreation - see recreation 28,29,30,35,41,73, defined - 50,52 public safety - 9,17,26,27,28,29,30,32,34,35,37 acreage and volume - 60-72 public use - 17,33,37,39 compliance with other guidelines - 13 put-to-bed - 38,39,40, defined - 53 pests - see insects, disease pesticides - 23, defined 52

R	\$
railroad - see Alaska Railroad	Schneider Lake - 30
Recommendations for Changes	seasonal guidelines - 20,24,29,36
in Land Use Plans - 46-47	secondary roads - 38,39,40,53
recreation - 1,7,11,17,19,20,27,28-32,46-47,73, defined - 53 see also visual quality, scenic resources, trails, and rivers, streams, and lakes background report - 5,83	secondary use - 1,9,11, defined - 53, acreage and volume - 59-72
	seed tree harvesting - 10,18a,20,25,29,35, defined - 54
in riparian areas - 32-35	settlement - 4,9, defined - 54, acreage & volume - 65
recreation opportunity spectrum - 11,28,32,46,75,76	Sheep Creek - 28
Recreation Rivers - 1,4 see also Susitna Basin Recreation River Management Plan	Shell Hills and Lake - 13
	shelterwood - 20,29, defined - 54
recreation sites - 10,30	shoreline management - 10,45 shoreline management zone - 29,32-34,38,47,
research needs - 45	defined - 54
reforestation/regeneration - 10,20,22,25,28,45	"should", guidelines modified by - 45, defined - 54
refuges - 1	SHPO - see State Historic Preservation Office
Region I and II - 22	shrub competition - 46
research - 14,45-46 Research Natural Areas - 14,46, defined - 53	single-tree selection - 10,20,34,37, defined - 54 see also selective harvesting
resident fish - 32-33	site preparation - 20,21,22,25, defined - 54
resource management lands - 4,12,19, defined - 53	skid trails - 21,25,39, defined - 54
Rights-of-way - 26,39,48	Skwentna - 5,8
riparian management - 25,28,37,46,73 see also rivers, streams, and lakes	Skwentna River - 8,17
rivers, streams, and lakes - 8,10,28,32-35,46	slash disposal - 21,39, slash defined - 54
RNA - see Research Natural Areas	slope restrictions and steep slopes - 25,27,32
roads - see access	snowmachines - 32,75,76,77,78
rotation for timber harvest - 11-12,17,45, defined - 53	Soil and Water Conservation Districts - 5,79
salvage - 25, defined - 53	Soil Conservation Service, US - 5,8,45,59,79
sawlogs - 12, 20	soils - 10,39,46,73 exposure for site preparation - 20-22
scarification - defined - 53 see site preparation	solid waste management - 21
scenic resources - 1,8,9,13,28-32,45 - see also visual quality	South Parks Highway subunits - 8,9 South Parks 2 - 24,27,29,34,46, acreage and volume - 59,67
in riparian areas - 32-35	South Parks 4a - 12,34,
Parks Highway - 13,29,83	acreage and volume - 60,68
	South Parks 4f - 12, acreage and volume - 60,68

South Parks 4g - 12, acreage and volume - 60,68 South Parks 9c - 13,19,24,30,34, acreage and volume - 60,67 South Parks 10b - 12, acreage and volume - 60,68 South Parks 11 - 29,47, acreage and volume - 59,67 South Parks 12a - 9,13,28,34,36,38,47, acreage and volume - 59,67 South Parks 12b - 9,28,47, acreage and volume - 59,67 South Parks 13b - 24,36,47 South Parks 14b - 19,24,29,34, acreage and volume - 60,67 special areas management - 23-36 special exception - 43-44, defined - 54 species composition - 17,22 spruce - see black spruce, white spruce spur roads - 38,39,40, defined - 54 staging areas - 29 State Historic Preservation Office - 26-27 stocking levels - 22 streams, and lakes Sunflower Basin 6a acreage & volume - 63,71 Sunflower Basin 6c - 36, acreage & volume - 63,71

€.

streams - 8.10.33.45 see also anadromous waterbodies, rivers, subunits - 5, defined - 55 summary of purpose - 1 summer harvesting - 20-21 Sunflower Basin subunits - 8 Susitna Area Plan - 1,3,7,8,10,24,30,35,38 Susitna Basin Recreation Rivers

Management Plan - 3,34 Susitna Corridor - 8 Susitna Flats State Game Refuge - 17

Susitna Lowlands subunits Susitna Lowlands 1a - 8,13,24, acreage and volume - 63,71 Susitna Lowlands 1b - 8,24,27,36, acreage and volume - 63.71 Susitna Lowlands 2a - 8,24,27,36, acreage and volume - 63,71 Susitna Lowlands 2d - 8,13,20,27, acreage and volume - 63,71 Susitna Lowlands 2f - 8,13,27, acreage and volume - 64,71 Susitna Lowlands 3a - 8,13,24,36, acreage and volume - 63,71 Susitna Lowlands 3c - 8,36, acreage and volume - 63,71 Susitna Lowlands 4b - 8,12,24,27, acreage and volume - 64,72 Susitna Lowlands 5a - 8,36, acreage and volume - 63,71 Susitna Lowlands 5b - 8,20, acreage and volume - 64,71 Susitna Lowlands 5f - 8,13,24,27,34,36, acreage and volume - 63,71 Susitna Lowlands 6a - 8,13,27,36, acreage and volume - 63,71 Susitna Lowlands 6b - 8,20,27,36, acreage and volume - 64,71 Susitna Lowlands 6e - 8,13,27,36, acreage and volume - 63,71 Susitna Lowlands 7a - 8,36, acreage and volume - 63,71 Susitna Lowlands 8b - 8,20,36, acreage and volume - 64,71 Susitna Lowlands 9a - 8,24,38, acreage and volume - 62,70 Susitna Lowlands 9c - 8,20,38,47, acreage and volume - 62,70 Susitna Lowlands 10a - 8 Susitna Lowlands 11a - 8,13,24,29,34,36,47, acreage and volume - 62,70 Susitna Lowlands 11c - 8,10,29,30, acreage and volume - 62,70 Susitna Lowlands 11f - 8,28,29, acreage and volume - 62,70

Susitna Lowlands 11g - 8,24 timber sales - 19,28,29,35, defined - 55 see also commercial use Susitna Lowlands 12a - 8,13,20,30,36,47, acreage and volume - 62,70 design and management - 1,17-23,25,27,33 Susitna Lowlands 12b - 8,24,30,34,36, management of special areas - 23-36 acreage and volume - 62,70 public notice - 41 Susitna Lowlands 13b - 8,13,36, sales in Phase 2 and Phase 3 - 10 acreage and volume - 63,71 sale program and timber base - 7-12 Susitna Lowlands 13d - 8,24,34,36, sale size - 7,28 acreage and volume - 63,71 Susitna Lowlands 13e - 8,13,24,27,34,36, tourism - 11,20,29,30,73 acreage and volume - 63,71 trails - 10,28,30,35-36,46,76 see also Iditarod National Historic Trail Susitna Lowlands 13g - 24 Susitna Lowlands 14a - 8,24,29,34,36,47, Trail Ridge - 13 acreage and volume - 62,70 transportation and access - see access Susitna Lowlands 14b - 8,24,34,36,47 Transportation and Public Facilities, Susitna Lowlands 14e - 8,24,28,29,34, Department of - 5,79 acreage and volume - 62,70 Trapper Creek (town) - 5,17; 34 (creek) Susitna River - 8,24,29,34,47 trumpeter swans - 5,10,36,38, nest site defined - 51, sustained yield - 1,3,11,13, defined - 55 staging area defined - 55 Tyonek - 5,8,9 T u Talachulitna River - 3 unique habitat or plant communities - 25 Talkeetna - 5,17, woodlot - 13 University of Alaska - 4 Talkeetna Mountains - 17 upwelling areas - 29,34,47 Talkeetna River - 3 US Fish and Wildlife Service Talkeetna Cutoff - 30 see Fish and Wildlife Service, US technical advisors - 79 Theodore River - 34 thinning - 25 variance - 44 timber harvest - see also timber sales, personal use vegetation types - 5,10,32,37 harvest unit - 18a,19, defined - 51 visual quality - 17,19,20-21,22,26,29,35,38 harvesting schedules - 20 see also scenic resources harvesting systems - 20,27 volume regulation - 10 summer harvesting - 20-21 winter operations - 20-21 W timber resources - 7,8 Wasilla - 5 background report - 5,83 water quality - 1,29,30,32,33,37,38,73 timber acreage - 8,9,59-65 water transportation - 38 timber base - 8,9,10, defined - 55 wetlands - 20,36-37,38,73, defined - 55 timber volume - 8,9,67-72 Whiskey Lake - 13

white spruce - 20,22,24,46,59, acreage and volume - 67-72

wildfire - see fire management

wildlife habitat - see fish and wildlife habitat, habitat enhancement

"will" and "shall", guidelines modified by - 44-45, defined - 54,55

Willer-Kash Road - 8,10,26,38

willow (plant species) - 34,40,77

Willow (town) - 5,17

4

وحيا

...

Willow Creek State Recreation Area - 30

Willow Experimental Forest - 14

Willow Subbasin Area Plan - 1,3,7,29,30,35,47

Willow subunits - 8,9

Willow 2a - 24

Willow 4a - 28,29,30, acreage and volume - 60,67

Willow 4b - 47

Willow 6 - 8,24,27,29,30,34,47, acreage and volume - 59,67

Willow 8a - 8,24,27,29,30,34,36,40,47, acreage and volume - 62,70

Willow 12d - 13,27,47, acreage and volume - 59,67

windfirmness risk - 33

windrows - 21

winter travel - 77-78

winter roads - 8,21,38,39,46,77, defined - 55

winter operations - 20-21

woodlots - 8,12,13

woody debris - 32,33,

large woody debris defined - 51

Υ

yarding - 29, defined - 55 Yentna River - 8,24,34