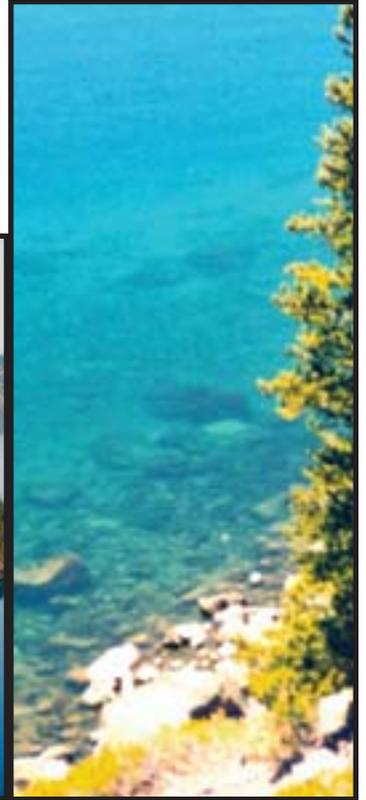


APPENDIXES, BIBLIOGRAPHY, PREPARERS



APPENDIX A: LEGISLATION

6. Crater Lake National Park

	Page
Act of May 22, 1902, reserving a certain tract of land from public lands in Oregon as a public park.....	111
Act of Legislature of Oregon, approved January 25, 1915, ceding exclusive jurisdiction to the United States over Crater Lake National Park.....	112
Act of August 21, 1916, accepting cession by Oregon of exclusive jurisdiction over lands embraced within the Crater Lake National Park.....	113
Excerpt from Sundry Civil Act of June 12, 1917, authorizing acceptance of patented lands and rights-of-way in Crater Lake National Park that may be donated for park purposes.....	116
Act of June 7, 1924, accepting certain tracts of land in Medford, Jackson County, Oreg., as sites for administration buildings of the Crater Lake National Park.....	116
Act of May 14, 1932, adding certain land to Crater Lake National Park..	117
Act of May 14, 1932, authorizing the acquisition of additional land in Medford, Oreg., for use in administration of the Crater Lake National Park..	117

An Act Reserving from the public lands in the State of Oregon, as a public park for the benefit of the people of the United States, and for the protection and preservation of the game, fish, timber, and all other natural objects therein, a tract of land herein described, and so forth, approved May 22, 1902 (32 Stat. 202)

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the tract of land bounded north by the parallel forty-three degrees four minutes north latitude, south by forty-two degrees forty-eight minutes north latitude, east by the meridian one hundred and twenty-two degrees west longitude, and west by the meridian one hundred and twenty-two degrees sixteen minutes west longitude, having an area of two hundred and forty-nine square miles, in the State of Oregon, and including Crater Lake, is hereby reserved and withdrawn from settlement, occupancy, or sale under the laws of the United States, and dedicated and set apart forever as a public park or pleasure ground for the benefit of the people of the United States, to be known as "Crater Lake National Park." (U.S.C., title 16, sec. 121.)

SEC. 2. That the reservation established by this act shall be under the control and custody of the Secretary of the Interior, whose duty it shall be to establish rules and regulations and cause adequate measures to be taken for the preservation of the natural objects within said park, and also for the protection of the timber from wanton depredation, the preservation of all kinds of game and fish, the punishment of trespassers, the removal of unlawful occupants and intruders, and the prevention and extinguishment of forest fires. (U.S.C., title 16, sec. 122.)

Public lands.
Crater Lake National Park,
Oreg., established.
Boundaries.

Regulations, etc.,
by Secretary of Interior.

Settlement in, etc., prohibited. SEC. 3. That it shall be unlawful for any person to establish any settlement or residence within said reserve, or to engage in any lumbering, or other enterprise or business occupation therein, or to enter therein for any speculative purpose whatever, and any person violating the provisions of this act, or the rules and regulations established thereunder, shall be punished by a fine of not more than five hundred dollars, or by imprisonment for not more than one year, and shall further be liable for all destruction of timber or other property of the United States in consequence of any such unlawful act: *Provided*, That said reservation shall be open, under such regulations as the Secretary of the Interior may prescribe, to all scientists, excursionists, and pleasure seekers and to the location of mining claims and the working of the same: *And provided further*, That restaurant and hotel keepers, upon application to the Secretary of the Interior, may be permitted by him to establish places of entertainment within the Crater Lake National Park for the accommodation of visitors, at places and under regulations fixed by the Secretary of the Interior, and not otherwise. (U.S.C., title 16, sec. 123.)

Penalties.

Provisos.

Admission of visitors, etc.

Hotels, etc., permitted. (Amended by 39 Stat. 535, as amended. See pp. 9-12.)

Act of Legislature of Oregon, approved January 25, 1915, ceding to the United States exclusive jurisdiction over Crater Lake National Park in the State of Oregon. (Oregon Laws, 1920, vol. II, p. 3487.)

Be it enacted by the people of the State of Oregon, That exclusive jurisdiction shall be, and the same is hereby, ceded to the United States over and within all the territory which is now, or may hereafter be, included in that tract of land in the State of Oregon set aside by an act of Congress, approved May 22, 1902, entitled "An Act reserving from the public lands in the State of Oregon, as a public park for the benefit of the people of the United States, and for the protection and preservation of the game, fish, timber, and all other natural objects therein, a tract of land herein described, and so forth," for the purposes of a national park, known and designated as Crater Lake National Park; saving, however, to the said State the right to serve civil or criminal process within the limits of the aforesaid park in any suits or prosecutions for, or on account of, rights acquired, obligations incurred, or crimes committed in said State but outside of said park; and saving further to the said State the right to tax persons and corporations, their franchises and property on lands included in said park: *Provided, however*, That jurisdiction shall not vest until the United States, through the proper officers, notifies the Governor of said State that they assume police and military jurisdiction over said park.

SEC. 2. All acts and parts of acts in conflict with this act are hereby repealed.

LEGISLATION RELATING TO NATIONAL PARKS

113

SEC. 3. Inasmuch as at this time there exists confusion concerning the jurisdiction of the Federal and State courts over the property and within the territory in this Act described, the passage of this Act is declared to be immediately necessary for the immediate protection of the peace, health, and safety of the State, and an emergency is hereby declared to exist, and this Act shall go into immediate force and effect from and after its passage and approval by the Governor.

An Act To accept the cession by the State of Oregon of exclusive jurisdiction over the lands embraced within the Crater Lake National Park, and for other purposes, approved August 21, 1916 (39 Stat. 521)

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the provisions of the act of the Legislature of the State of Oregon, approved January twenty-fifth, nineteen hundred and fifteen, ceding to the United States exclusive jurisdiction over the territory embraced within the Crater Lake National Park, are hereby accepted and sole and exclusive jurisdiction is hereby assumed by the United States over such territory, saving, however, to the said State the right to serve civil or criminal process within the limits of the aforesaid park in suits or prosecution for or on account of rights acquired, obligations incurred, or crimes committed in said State but outside of said park, and saving further to the said State the right to tax persons and corporations, their franchises and property, on the lands included in said park. All the laws applicable to places under the sole and exclusive jurisdiction of the United States shall have force and effect in said park. All fugitives from justice taking refuge in said park shall be subject to the same laws as refugees from justice found in the State of Oregon. (U.S.C., title 16, sec. 124.)

Crater Lake National Park, Oreg. Sole jurisdiction over, ceded by Oregon to United States. State process, etc.

SEC. 2. That said park shall constitute a part of the United States judicial district for Oregon, and the district court of the United States in and for Oregon shall have jurisdiction of all offenses committed within said boundaries. (U.S.C., title 16, sec. 125.)

Jurisdiction of Oregon judicial district.

SEC. 3. That if any offense shall be committed in the Crater Lake National Park, which offense is not prohibited or the punishment for which is not specifically provided for by any law of the United States, the offender shall be subject to the same punishment as the laws of the State of Oregon in force at the time of the commission of the offense may provide for a like offense in said State; and no subsequent repeal of any such law of the State of Oregon shall affect any prosecution for said offense committed within said park. (U.S.C., title 16, sec. 126.)

Punishment under Oregon laws.

SEC. 4. That all hunting or the killing, wounding, or capturing at any time of any wild bird or animal, except

Hunting, fishing, etc., prohibited.

dangerous animals when it is necessary to prevent them from destroying human lives or inflicting injury, is prohibited within the limits of said park; nor shall any fish be taken out of the waters of the park in any other way than by hook and line, and then only at such seasons and in such times and manner as may be directed by the Secretary of the Interior. That the Secretary of the Interior shall make and publish such rules and regulations as he may deem necessary and proper for the management and care of the park and for the protection of the property therein, especially for the preservation from injury or spoliation of all timber, mineral deposits other than those legally located prior to the passage of this Act, natural curiosities, or wonderful objects within said park, and for the protection of the animals and birds in the park from capture or destruction, and to prevent their being frightened or driven from the park; and he shall make rules and regulations governing the taking of fish from the streams or lakes in the park. Possession within said park of the dead bodies, or any part thereof, of any wild bird or animal shall be prima facie evidence that the person or persons having the same are guilty of violating this Act. Any person or persons, or stage or express company, or railway company, who knows or has reason to believe that they were taken or killed contrary to the provisions of this Act and who receives for transportation any of said animals, birds, or fish so killed, caught, or taken, or who shall violate any of the other provisions of this Act or any rule or regulation that may be promulgated by the Secretary of the Interior with reference to the management and care of the park or for the protection of the property therein, for the preservation from injury or spoliation of timber, mineral deposits other than those legally located prior to the passage of this Act, natural curiosities, or wonderful objects within said park, or for the protection of the animals, birds, or fish in the park, or who shall within said park commit any damage, injury, or spoliation to or upon any building, fence, hedge, gate, guidepost, tree, wood, underwood, timber, garden, crops, vegetables, plants, land, spring, mineral deposits other than those legally located prior to the passage of this Act, natural curiosities, or other matter or thing growing or being thereon or situate therein, shall be deemed guilty of a misdemeanor, and shall be subject to a fine of not more than \$500 or imprisonment not exceeding six months, or both, and be adjudged to pay all costs of the proceedings. (U.S.C., title 16, sec. 127.)

Regulations, etc.

Evidence of violations.

Punishment for violations.

Forfeiture of guns, traps, etc.

SEC. 5. That all guns, traps, teams, horses, or means of transportation of every nature or description used by any person or persons within said park limits when engaged in killing, trapping, ensnaring, or capturing such wild beasts, birds, or animals shall be forfeited to the United States and may be seized by the officers in said park and

LEGISLATION RELATING TO NATIONAL PARKS

115

held pending the prosecution of any person or persons arrested under charge of violating the provisions of this Act, and upon conviction under this Act of such person or persons using said guns, traps, teams, horses, or other means of transportation, such forfeiture shall be adjudicated as a penalty in addition to the other punishment provided in this Act. Such forfeited property shall be disposed of and accounted for by and under the authority of the Secretary of the Interior. (U.S.C., title 16, sec. 128.)

SEC. 6. That the United States District Court for Oregon shall appoint a commissioner who shall reside in the park and who shall have jurisdiction to hear and act upon all complaints made of any violations of law or of the rules and regulations made by the Secretary of the Interior for the government of the park and for the protection of the animals, birds, and fish, and objects of interest therein, and for other purposes authorized by this Act.

Commissioner.
Appointment,
authority, etc.

Such commissioner shall have power, upon sworn information, to issue process in the name of the United States for the arrest of any person charged with the commission of any misdemeanor, or charged with a violation of the rules and regulations, or with a violation of any of the provisions of this Act prescribed for the government of said park and for the protection of the animals, birds, and fish in said park, and to try the person so charged, and if found guilty, to impose punishment and to adjudge the forfeiture prescribed.

Judicial power
in violations of
rules, etc.

In all cases of conviction an appeal shall lie from the judgment of said commissioner to the United States District Court for Oregon, and the United States court in said district shall prescribe the rules of procedure and practice for said commissioner in the trial of cases and for appeal to said United States District Court. (U.S.C., title 16, sec. 129.)

Appeals.

SEC. 7. That any such commissioner shall also have power to issue process as hereinbefore provided for the arrest of any person charged with the commission within said boundaries of any criminal offense not covered by the provisions of section four of this Act to hear the evidence introduced, and if he is of opinion that probable cause is shown for holding the person so charged for trial shall cause such person to be safely conveyed to a secure place of confinement within the jurisdiction of the United States District Court for Oregon, and certify a transcript of the record of his proceedings and the testimony in the case to said court, which court shall have jurisdiction of the case: *Provided*, That the said commissioner shall grant bail in all cases bailable under the laws of the United States or of said State. (U.S.C., title 16, sec. 130.)

Procedure in
criminal cases.

Provide.

Bail.

SEC. 8. That all process issued by the commissioner shall be directed to the marshal of the United States for

Service of
process.

the district of Oregon, but nothing herein contained shall be so construed as to prevent the arrest by any officer or employee of the Government or any person employed by the United States in the policing of said reservation within said boundaries without process of any person taken in the act of violating the law or this Act or the regulations prescribed by said Secretary as aforesaid. (U.S.C., title 16, sec. 131.)

Salary. SEC. 9. That the commissioner provided for in this Act shall be paid an annual salary of \$1,500, payable quarterly: *Provided*, That the said commissioner shall

Proviso.

Residence.

Disposal of fees, etc.

United States fees, etc.

Deposit of fines and costs.

Acceptance of cession.

reside within the exterior boundaries of said Crater Lake National Park, at a place to be designated by the court making such appointment: *Provided further*, That all fees, costs, and expenses collected by the commissioner shall be disposed of as provided in section eleven of this Act. (U.S.C., title 16, sec. 132.)

SEC. 10. That all fees, costs, and expenses arising in cases under this Act and properly chargeable to the United States shall be certified, approved, and paid as are like fees, costs, and expenses in the courts of the United States. (U.S.C., title 16, sec. 133.)

SEC. 11. That all fines and costs imposed and collected shall be deposited by said commissioner of the United States, or the marshal of the United States collecting the same, with the clerk of the United States District Court for Oregon. (U.S.C., title 16, sec. 134.)

SEC. 12. That the Secretary of the Interior shall notify, in writing, the governor of the State of Oregon of the passage and approval of this Act.

Excerpt from "An Act Making appropriations for sundry civil expenses of the Government for the fiscal year ending June 30, 1918, and for other purposes," approved June 12, 1917 (40 Stat. 152)

Crater Lake National Park. Acceptance of donated lands, etc. (Repealed by 46 Stat. 1028, but subject matter covered by U.S.C., title 16, sec. 6, 41 Stat. 917. See p. 13.)

The Secretary of the Interior is authorized to accept patented lands or rights of way over patented lands in the Crater Lake National Park that may be donated for park purposes. (U.S.C., title 16, sec. 135.)

Crater Lake National Park, Oreg. Acceptance from city of Medford of lots, as sites for buildings in.

An Act Accepting certain tracts of land in the city of Medford, Jackson County, Oregon, approved June 7, 1924 (43 Stat. 606)

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled. That the Secretary of the Interior be, and he is hereby, authorized to accept certain tracts of land in the city of Medford, Jackson County, Oregon, described as lots numbered 15 and 16, block 9, amended plat to Queen Ann Addition to the city of Medford; and lot 3, block 2, central subdivision to the city of Medford, which have been tendered to the United States of America in fee simple by the city of Medford, Oregon, as sites for buildings to be used in connection with the administration of Crater Lake National Park, Oregon.

LEGISLATION RELATING TO NATIONAL PARKS

117

An Act To add certain land to the Crater Lake National Park in the State of Oregon, and for other purposes, approved May 14, 1932 (47 Stat. 155)

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That all of that certain tract described as follows: Beginning on the south boundary line of Crater Lake National Park at four mile post numbered 112; thence west along the south boundary line of said park four and twenty-six one-hundredths chains which is the northwest corner of this tract; thence south one hundred and fourteen and forty-two one-hundredths chains; thence south forty degrees fifty-nine minutes east, eighty-four and thirty-nine one-hundredths chains; thence east fifteen and thirteen one-hundredths chains to highway stake numbered 130; thence north eighty-nine degrees thirty minutes east, eighteen and six one-hundredths chains; thence north twenty and eighty-three one-hundredths chains; thence north nineteen degrees and forty minutes west, one hundred and twenty-six and four one-hundredths chains; thence north twenty-seven degrees fifty-two minutes west forty-three and fifty one-hundredths chains to the south boundary of Crater Lake National Park; thence west twenty-four chains following the south boundary of said park to the place of beginning, in the State of Oregon be, and the same is hereby, excluded from the Crater Lake National Forest and made a part of the Crater Lake National Park subject to all laws and regulations applicable to and governing said park. (U.S.C., 6th supp., title 16, sec. 121a.)

Crater Lake National Park, Oreg.

Land added to. Description.

Transferred from Crater National Forest.

An Act To authorize the acquisition of additional land in the city of Medford, Oregon, for use in connection with the administration of the Crater Lake National Park, approved May 14, 1932 (47 Stat. 156)

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Secretary of the Interior be, and he is hereby, authorized to acquire on behalf of the United States for use in connection with the present administrative headquarters of the Crater Lake National Park, that certain tract of land in the city of Medford, Jackson County, Oregon, adjoining the present headquarters site and described as lot 4, block 2, central subdivision to said city of Medford, Oregon, which tract of land has been offered to the United States for the purpose aforesaid by the city of Medford, Oregon, free and clear of all encumbrances for the consideration of \$300.

Crater Lake National Park, Oreg.

Purchase of certain tract from Medford, Oreg., as addition to, authorized.

SEC. 2. That not to exceed the sum of \$300 from the unexpended balance of appropriations heretofore made for the acquisition of privately owned lands and/or standing timber within the national parks and national monuments be, and the same is hereby, made available for the acquisition of land herein authorized.

Price. Fund available. Vol. 46, p. 1154.

PUBLIC LAW 96-553—DEC. 19, 1980

94 STAT. 3255

Public Law 96-553
96th Congress

An Act

To revise the boundary of Crater Lake National Park in the State of Oregon, and
for other purposes.Dec. 19, 1980
[S. 2318]

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That (a) the first section of the Act entitled, "An Act reserving from the public lands in the State of Oregon, as a public park for the benefit of the people of the United States, and for the protection and preservation of the game, fish, timber, and all other natural objects therein, a tract of land herein described, and so forth", approved May 22, 1902 (32 Stat. 202), is amended to read as follows:

Crater Lake
National Park,
Oreg., boundary
revision.

16 USC 121.

"That in order to preserve for the benefit, education, and inspiration of the people of the United States certain unique and ancient volcanic features, including Crater Lake, together with significant forest and fish and wildlife resources, there is hereby established the Crater Lake National Park in the State of Oregon. The boundary of the park shall encompass the lands, waters, and interests therein within the area generally depicted on the map entitled, 'Crater Lake National Park, Oregon', numbered 106-80,001, and dated February 1980, which shall be on file and available for public inspection in the office of the National Park Service, Department of the Interior. Lands, waters, and interests therein within the boundary of the park which were within the boundary of any national forest are excluded from such national forest and the boundary of such national forest is revised accordingly."

(b) The Act entitled "An Act to add certain land to the Crater Lake National Park in the State of Oregon, and for other purposes", approved May 14, 1932 (47 Stat. 155), is repealed.

Repeal.
16 USC 121a.

SEC. 2. To make possible more effective protection of the Alpine Lakes Wilderness and more comprehensive and effective management of the management unit within the Alpine Lakes Area, established by the Alpine Lakes Area Management Act of 1976, the Secretary of Agriculture is authorized to acquire any or all of the following described lands in the State of Washington: in township 23 north, range 9 east, Willamette meridian, the southeast quarter of

16 USC 1132
note.

Attachment A

SPECIES LIST

The federal agency or designated representative shall use the following list(s), along with relevant biological studies, literature reviews, views of species experts, and site inspections, to determine if the project may affect (negatively or positively) listed or proposed species or proposed or designated critical habitat. If the subject project may affect a listed species and the proposed action is funded, permitted, or implemented by a Federal agency, the Federal agency must prepare a biological assessment if the project is a construction project which may require an environmental impact statement¹⁷. If a biological assessment is not required, the Federal agency still has the responsibility to review its proposed activities and determine whether the listed species may be affected. If, based on an analysis it is determined that the project will have "no effect" on listed or proposed species, then no additional correspondence with the Service is necessary under the Act's requirements. If the action agency requires a letter indicating Service review of the "no effect" determination, then please provide a summary of the project, relevant maps and species information, a copy of the species list provided by the Klamath Falls Fish and Wildlife Office (KFFWO), and justification for the effects determination to the KFFWO.

The species list(s) also includes Federal candidate species of concern that may be present within each county. While not protected under the Endangered Species Act (Act), the Service encourages Federal agencies and private land owners to utilize their authorities to conserve and protect candidate species, so activities which they authorize do not contribute to the need to list these species as either threatened or endangered under the Act. We also encourage Federal agencies and private land owners to provide the Service with information on status surveys, monitoring and other studies related to candidate species, and to address these species during consultation. During the assessment or review process, the Federal agency may engage in planning efforts, but may not make any irreversible commitment of resources. Such a commitment could constitute a violation of section 7(d) of the Act. If a listed species may be affected, the Federal agency should request, in writing through our office, formal consultation pursuant to section 7 of the Act. Informal consultation may be used to exchange information and resolve conflicts with respect to listed species prior to a written request for formal consultation.

Federal agencies are required to confer with the Service, pursuant to section 7(a)(4) of the Act, when an agency action is likely to jeopardize the continued existence of any proposed species or result in the destruction or adverse modification of proposed critical habitat (50 CFR 402.10(a)). A request for formal conference must be in writing and should include the same information that would be provided for a request for formal consultation. Conferences can also include discussions between the Service and the Federal agency to identify and resolve potential conflicts between an action and proposed species or proposed critical habitat early in the decision-making process. The Service recommends ways to minimize or avoid adverse effects of the action. The conference

process fulfills the need to inform Federal agencies of possible steps that an agency might take at an early stage to adjust its actions to avoid jeopardizing a proposed species.

The action agency and applicant should be aware that section 9 of the Act prohibits the "take" of any listed species. The definition of "take" includes to harass, harm, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct. "Harm" in the definition of "take" in the Act means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavior patterns, including breeding, feeding, or sheltering (50 CFR 17.3). Anyone who engages in a take would be subject to prosecution under section 9 of the Act. Such taking may occur only under the authority of the Service's pursuant to section 7 (if a Federal agency is involved with this project) or through a section 10(a)(1)(B) permit, as mandated in the Act.

^{1/} "Construction Project" means any major Federal action which significantly affects the quality of the human environment designed primarily to result in the building or erection of man-made structures such as dams, buildings, roads, pipelines, channels and the like. This includes Federal actions such as permits, grants, licenses, or other forms of Federal authorizations or approval which may result in construction.

LISTED, PROPOSED AND CANDIDATE SPECIES
 THAT MAY OCCUR ON CRATER LAKE NATIONAL PARK

LISTED SPECIES

Mammals

Canada lynx	<i>Lynx canadensis</i>	T
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Birds

Bald	<i>Haliaeetus leucocephalus</i>	T
Northern spotted owl	<i>Strix occidentalis caurina</i>	T, CH

Fish

Shortnose sucker	<i>Chasmistes brevirostris</i>	E, PCH
Lost River sucker	<i>Deltistes luxatus</i>	E, PCH
Bull trout (Klamath River population segment)	<i>Salvelinus confluentus</i>	T, PCH

Plants

None

PROPOSED SPECIES

None

CANDIDATE SPECIES

Birds

Yellow-billed cuckoo (Western continental US)	<i>Coccyzus americanus</i>	C
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Amphibians and Reptiles

Oregon Spotted frog	<i>Rana pretiosa</i>	C
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(E) - Endangered (T) - Threatened (CH) - Critical Habitat
 (C) - Candidate (PE) - Proposed as endangered (PT) - Proposed as threatened
 (PCH) - Proposed critical habitat

(List compiled October 2003)

APPENDIX C: PROJECTED COSTS OF ALTERNATIVES

Ongoing and Planned Actions and Projects Visitor Services Plan		
Mazama Village	Adapt historic 1928 building for visitor contact	\$ 4,432,000
	Rehabilitate Rim Cultural Landscape	500,000
	Remove Rim Village Dorm	350,000
	<i>Construct New Restaurant and Expand Parking Lot*</i>	<i>1,140,000</i>
	<i>Construction Concession Maintenance Facility*</i>	<i>364,000</i>
Cleetwood Cove	Develop group campsites	60,900
	Improve bulkhead	500,000
	Construct seasonal shade structure	200,000
	Improve Cleetwood Trail	360,000
	<i>Subtotal *(Private Dollars)</i>	<i>\$ 1,504,000</i>
	Subtotal (Federal Dollars)	6,402,900
	TOTAL	\$ 7,906,900
Alternative One: No Action		
Area	Description	Net Cost
Muson valley	Rehabilitate Superintendent's /Chief Ranger's Residences	\$1,800,000
Buildings	Adapting Existing buildings	2,000,000
	TOTAL	\$ 3,800,000

Alternative Two: Preferred Emphasis on Increased Visitor Opportunities		
Area	Description	Net Cost
Munson Valley	Rehabilitate Superintendent's /Chief Ranger's Residences	\$ 1,800,000
East Rim Drive	New trails	265,000
Frontcountry Sites	New trails	265,000
	Picnic Sites	25,000
	Waysides	200,000
Buildings	Adapting Existing buildings	2,000,000
Parking Improvements		100,000
Office Relocation (out of park)		88,000
TOTAL		\$ 4,743,000
Alternative Three: Emphasis on Enjoyment of Natural Environment		
Area	Description	Net Cost
Munson Valley	Rehabilitate Superintendent's/Chief Ranger's Residences	\$1,800,000
Frontcountry Sites	New trails	265,000
	Picnic Sites	25,000
	Waysides	200,000
Shuttle Bus	Rim	750,000
	Mazama to Rim	750,000
	Shuttle stop/improvements	100,000
Office Relocation (out of park)		44,000
TOTAL		\$ 3,934,000

Alternative Four: Emphasis on Preservation and Restoration of Natural Resources		
Area	Description	Net Cost
Rim Village	Rehabilitate Superintendent's/Chief Ranger's Residences	\$ 1,800,000
Frontcountry Sites	New trails	265,000
Buildings	Nonhistoric buildings removed, site restored	1,200,000
Winter Snowcoach	Mazama to Rim	500,000
Office Relocation (out of park)		176,000
	TOTAL	\$3,941,000

LIFE CYCLE COSTS

Project/Location: Crater Lake National Park - General Management Plan		Alternative 1		Alternative 2		Alternative 3		Alternative 4	
7/10/00		Est.		Est.		Est.		Est.	
Subject: Functional Component		PW		PW		PW		PW	
Description:		PW		PW		PW		PW	
Project Life Cycle = 25 Years		PW		PW		PW		PW	
Discount Rate = 7.00%		PW		PW		PW		PW	
Present Time = Current Date		PW		PW		PW		PW	
INITIAL COSTS	Quantity UM	Unit Price	Est.	PW	Est.	PW	Est.	PW	PW
Construction Costs									
A. Rehab Superintendent Hou:		\$0.00	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000
B. Building Space		\$0.00	2,000,000	2,000,000	2,000,000	2,000,000	1,200,000	1,200,000	1,200,000
C. Trails/Picnic/Campsites		\$0.00	0	755,000	755,000	490,000	490,000	265,000	265,000
D.									
E. Parking Improvement			100,000	100,000	100,000	0	0	0	0
F. Shuttle Bus						1,600,000	1,600,000	500,000	500,000
G. Snow Coach						0	0	176,000	176,000
H. Office Relocation			88,000	88,000	88,000	44,000	44,000	176,000	176,000
I.									
J.			3,800,000	4,743,000	4,743,000	3,934,000	3,934,000	3,941,000	(141,000)
Total Initial Cost									
Initial Cost PW Savings (Compared to Alt. 1)									
REF Shuttle bus replacement	5	0.7130		0		356,493	356,493	178,246	178,246
Shuttle bus replacement	10	0.5083		0		500,000	500,000	127,087	127,087
A. Shuttle bus replacement	15	0.3624		0		500,000	181,223	250,000	90,611
B. Shuttle bus replacement	20	0.2584		0		500,000	129,209	250,000	64,604
B.	0	1.0000		0			0		0
B.	0	1.0000		0			0		0
C.	0	1.0000		0			0		0
D.	0	1.0000		0			0		0
E.				0		921,099	921,099	460,548	460,548
Total Replacement/Salvage Costs									
ANH Leasing		PWA							
Staffing		0.0000%		12,860	150,098	6,400	74,583	25,760	300,196
A. Bus Operation/Maintenance		0.0000%	0	687,500	8,011,838	687,500	8,011,838	125,000	1,456,698
B.		0.0000%			0	734,000	8,553,730	242,000	2,820,167
C.		0.0000%			0		0		0
D.		0.0000%			0		0		0
E.		0.0000%			0		0		0
F.					8,161,937		16,640,151		4,577,061
Total Annual Costs (Present Worth)									
			3,800,000	12,904,937	12,904,937	21,495,250	21,495,250	8,978,609	8,978,609
Total Life Cycle Costs (Present Worth)									
Life Cycle Savings (Compared to Alt. 1)									
		PP Factor	326,080	1,107,379	1,107,379	1,844,519	1,844,519	770,459	770,459
			Per Year	Per Year	Per Year	Per Year	Per Year	Per Year	Per Year
				-1.35	-0.09	-0.33			
				Years	Years	Years			

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INDEX

- air quality, 13, 23, 68, 74, 93, 94, 116, 117, 134, 135, 152, 153, 169, 170, 184, 185
- All-American Road, 4, 98
- archeological, 11, 23, 63, 68, 74, 81, 84-86, 102, 112, 113, 124, 125, 142, 161, 177
- backcountry, 27, 29, 43, 45, 52, 58, 72, 90, 98, 100, 104, 148, 158, 170, 186, 187
- boat tours, 7, 39, 99, 102, 103, 132, 135, 136, 138, 155, 170, 185
- campground, 7, 85, 93, 99, 104, 149
- Cleetwood Cove, 20, 51, 57, 72, 76, 97, 98, 100, 135, 138, 139, 154, 157, 170, 171, 185, 186,
- community facilities, 51
- Community House, 83, 88, 125, 127
- Crater Lake Lodge, 7, 83, 88, 103, 139, 158, 174, 189
- cultural resources, 68
- developed, iv, 7, 16, 19, 33, 34, 35, 37, 43, 44, 45, 58, 63, 65, 70, 73, 81, 84, 93, 120, 122, 129, 130, 136, 137, 146-150, 154, 155, 164-166, 170, 171, 174, 181, 183
- East Rim Drive, 72, 97, 154-156, 171, 173, 214
- ethnographic, 23, 63, 64, 68, 74, 82, 87, 112, 113, 115, 127, 128, 144, 162, 163, 179
- food services, 103
- frontcountry, 43, 45, 52, 72, 76, 98, 99, 137, 146, 149, 153-156, 164-166, 167, 170-173, 186, 187
- Garfield Peak, 85, 87, 88, 98, 124
- gas station, 7, 105
- geologic resources, 25
- gift sales, 7
- Grayback Drive, 97, 135, 154, 155, 170-172, 185, 186
- historic structures, 15, 21, 39, 63, 68, 74, 76, 83, 84, 102, 112, 113, 125, 126, 137, 138, 142, 143, 156, 157, 161, 162, 172, 173, 177, 178, 187
- hotel accommodations, 7
- interpretive exhibits, 7, 102
- interpretive themes, 9
- issues, 8, 18, 21, 23, 34, 71, 93, 99, 104, 195
- Kiser Studio, 83, 88, 103, 125, 127
- Klamath Basin, 4, 19, 91, 94, 96, 197
- motel, 7, 103
- Munson Valley, 4, 7, 10, 20, 39, 45, 58, 83, 85, 88, 93, 95, 96, 98, 99, 101, 103, 104, 122, 124-126, 135-138, 153, 155-157, 172, 173, 178, 187, 188, 218, 219
- museum collections, 23, 44, 57, 64, 68, 74, 112, 113, 128, 129, 144, 145, 163, 164, 179, 180
- national historic landmark, 4, 39, 83, 84, 125, 126
- North Junction, 39, 43, 45, 51, 58, 67, 73, 100, 103, 135, 153, 154, 170, 182, 185
- Pacific Crest Trail, 27, 98, 104
- picnic area, 7, 37, 43, 127, 142, 143, 146, 148-150, 164, 166
- Pinnacles Road, 97, 135
- promenade, 83, 137, 156, 172
- public input, 9
- public meetings, 195
- pumice, 4, 25, 90, 92
- purpose, 7-9, 18, 21, 33, 34, 86, 123, 195
- research, 10, 13-14, 17, 22, 24, 25, 27, 33, 36, 40, 43-45, 57, 58, 71-74, 85-87, 101, 116, 144, 145, 147, 150, 151, 153, 155, 157, 158, 160, 168, 179, 183
- research natural, 24, 25, 45, 58
- Rim Village, 4, 7, 10, 19, 20, 22, 39, 40, 43, 45, 51, 58, 72, 73, 76, 83-85, 88, 93, 95-100, 102-104, 125-126, 135-139, 153, 154, 156, 157, 170-174, 178, 185-188, 213-215, 218, 219
- rustic architecture, 4, 10, 83, 84, 87
- shower, 7
- shuttles, iv, 8, 44, 154, 171, 195
- significance, 4, 8, 9, 10, 15, 21, 33, 34, 37, 84, 85, 87, 93, 103, 114, 195
- Sinnott Memorial, 4, 83, 88, 99, 103, 125, 127, 218
- snowcoach, 23, 39, 43, 58, 73, 76, 186-189, 191
- snowmobiling, 51, 67, 129, 146, 164, 181, 182, 190
- socioeconomic, 24, 77, 105, 111, 119, 120, 121, 140, 159, 175, 190
- soundscapes, 13, 23, 75, 100, 118, 137, 155, 172, 173
- sustainable design, 66
- threatened and endangered species, 13, 17-18, 68, 74, 116, 118, 131, 147, 148, 150, 165, 167, 182
- Visitor Services Plan, 19, 33, 122, 125, 126, 132, 134, 151, 152, 213, 218, 219
- Watchman Peak, 88, 98
- water resources, 23, 68, 74, 81, 94, 116, 133, 134, 152, 168, 184
- West Rim Drive, 97
- wilderness, 10, 14, 17, 29, 35, 38, 45, 58, 101
- Wizard Island, 25, 85, 91, 98, 99, 103



As the nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.