

CONTENTS

SECTION I	PAD Directory Information
SECTION II	PAD Version 4 Introduction
SECTION III	Boundary File Information
SECTION IV	Completeness Table
SECTION V	Allowable Records, Naming, and Abbreviations
SECTION VI	Contact Information

SECTION I: PAD DIRECTORY INFORMATION

This disk contains two directories, the contents of which are described below:

Data/

ArcInfo coverages in NAD_1927_Albers map projection

bnd100K_alb	100K U.S. state boundary file from ESRI
ak_pad_alb	PAD polygon coverage for Alaska
pad4_alb	PAD polygon coverage for the coterminous US

Metadata/

This directory contains an html file (CBI Protected Areas Database.html), which is an FGDC compliant metadata master file for the PAD that includes links to all source metadata files. If needed, copies of the source metadata (organized by state or agency) are contained in the subdirectory called Sourcedata. For the source data, we used existing metadata files when available. However, some of the source datasets came with very little metadata information. In these cases, Metalite software was used to create metadata files as completely as possible.

SECTION II: PAD VERSION 4 INTRODUCTION

The original Protected Areas Database (PAD) was the product of a collaborative effort between the Conservation Biology Institute and World Wildlife Fund, USA (see DellaSalla, D.A., N.L. Staus, J.R. Strittholt, A. Hackman, and A. Iacobelli. 2001. An updated protected areas database for the United States and Canada. Natural Areas Journal 21:124-135). It represented an updated and improved version of the Managed Areas Database (MAD) produced at

U.C. Santa Barbara by Robert Gavin McGhie (McGhie, R.G. 1996. Creation of a comprehensive managed areas database for the coterminous United States. Summary project technical report NASA-NAGW-1743. Remote Sensing Research Unit, University of California, Santa Barbara). The CBI/WWF PAD, however, was funded and created independently of the MAD and is not associated in any way with the MAD, Robert Gavin McGhie, or the University of California Santa Barbara.

The main purpose of the original PAD was to delineate protected areas in the coterminous United States, Alaska, and Canada. It emphasized federal and state-owned areas primarily, but also included county, city and private reserves when data were available. The database contains information about parcel type, ownership, size, and protection level.

The second version of the PAD (PAD2), built upon the original version, and was completed with funding from the Moriah Fund. This update focused only on the coterminous U.S. and Alaska.

The third and fourth versions of the PAD (PAD3, PAD4) were completed with funding from the U.S. Geological Survey and USDA Forest Inventory and Analysis (FIA) and also only focus on the coterminous U.S. and Alaska (as in PAD2).

Version 4 contains updates for 24 states (see table in Section IV for list); reflects all currently available National Wildlife Refuge boundaries; the new SWReGAP stewardship data for CO, UT, NV, NM, and AZ; a number of new Wilderness Areas; and includes corrections for the identified labeling errors and inconsistencies from the previous version.

Like previous versions, PAD version 4 was assembled on a state-by-state basis using existing digital data. Because the PAD was assembled using dozens of different source datasets at varying scales and accuracy levels, users should consult the metadata files closely. Most datasets are at a mapscale of 1:100,000 or finer, but some portions of the PAD are at smaller scales. Please consult CBI Protected Areas Database.html for more information about data sources and scales for your particular area of interest.

We used the most up-to-date datasets we could obtain. However, many of them are being revised on a regular basis, so the PAD Version 4 may be out-of-date for some. Please consult the individual metadata files to determine the date of the source

data, and contact the state source directly to inquire about any updated files. Also, please contact CBI immediately if you find errors in the dataset, which will be corrected for the next release which is expected in early 2008.

We have included a boundary file to be displayed with the PAD, which delineates each state boundary. All datasets are in NAD_1927_Albers map projection (see the metadata file CBI Protected Areas Database.html for the specific projection parameters).

SECTION III: BOUNDARY FILE INFORMATION

Boundary file for the U.S.

The boundary100K coverage depicts state boundaries for all of the U.S. states at a scale of 1:100,000. The original data layer was the shape file "dtl_st" obtained from the ESRI Data and Maps 1998, which was converted to the enclosed polygon file format.

SECTION IV: COMPLETENESS TABLE

Below are summary statistics for the twenty-four states updated in PAD4 according to federal or state owner category. The first number is the number of protected areas(PAs) in PAD4 and the second number in () is the total number of PAs known to exist in each state.

State	Total Federal PAs	%	Total State PAs	%	Total Federal & State PAs	%
AL	24(27)	89	33(65)	51	57(92)	62
AR	30(30)	100	64(136)	47	94(166)	57
CA*	206(224)	92	390(418)	93	596(642)	93
DE	3(3)	100	78(85)	92	81(88)	92
FL	57(61)	93	282(322)	88	339(383)	88
GA	36(42)	86	181(192)	94	217(234)	93
ID	138(155)	89	41(63)	65	179(218)	82
IL	52(56)	93	289(320)	90	341(376)	91
IN	8(8)	100	155(191)	81	163(199)	82
KY	16(16)	100	165(173)	95	181(189)	96
LA	29(30)	97	80(84)	95	109(114)	96
MD	22(31)	71	138(139)	99	160(170)	94
MO	23(28)	82	908(917)	99	931(945)	99

MS	25(29)	86	67(72)	93	92(101)	91
MT	211(261)	81	174(176)	99	385(437)	88
NJ	26(35)	74	374(402)	93	400(437)	92
NC	130(153)	95	93(114)	82	130(153)	85
OH	11(13)	85	326(354)	92	337(367)	92
OK	28(31)	90	112(127)	88	140(158)	88
OR	285(345)	83	188(211)	89	473(556)	85
SC	23(25)	92	144(160)	90	167(185)	90
TN	173(180)	96	254(277)	92	427(457)	93
TX	47(48)	98	144(192)	75	191(240)	80
VA	589(654)	90	1,482(1,716)	86	2,071(2,370)	87
Totals	2192(2485)	88	6162(6906)	89	8354(9391)	89

*California is still in progress. To date, all federal and state owned lands that have been digitized are updated in PAD3.

SECTION IV: ALLOWABLE RECORDS, NAMING, AND ABBREVIATIONS

Allowable Owner:	Allowable Avsort:
Federal	BLM - ACEC
Joint Ownership	BLM
Local	Conservation Area
Private - Inholding	Conservation Easement
Private - Protected	County/City Park
State	Habitat Management Unit
State or Private	Inholding
Tribal	Military Reservation
Unknown	National Conservation Area
Water	National Forest
	National Grassland
	National Historic Site
	National Lakeshore
	National Marine Sanctuary
	National Memorial
	National Monument
	National Natural Landmark
	National Park
	National Preserve
	National Recreation Area
	National Research Reserve
	National Scenic Trail
	National Wild & Scenic River
	National Seashore
	National Wildlife Refuge
	Native American Lands

	Natural Area
	Nature Preserve
	Other
	Other Federal
	Other State
	Private
	Private Conservation
	Research Natural Area
	State Aquatic Reserve
	State Beach
	State Forest
	State Historic Area
	State Natural Area
	State Nature Reserve
	State Park
	State Recreation Area
	Water
	Wilderness Area
	Wilderness Study Area
	Wildlife Management Area

Common Abbreviations

CA = Conservation Area
 CE = Conservation Easement
 HP = Heritage Preserve
 HS = Historic Site
 MA = Management Area
 MR = Military Reservation
 NA = Natural Area
 NB = National Battlefield
 NBP = National Battlefield Park
 NERR = Nat'l Estuarine Research Reserve
 NF = National Forest
 NHR = National Historic Register
 NHS = National Historic Site
 NM = National Monumnet
 NMP = National Military Park
 NNL = National Natural Landmark
 NP = National Park/National Preserve
 NRA = National Recreation Area
 NSC = Naval Safety Center
 RA = Recreation Area
 RNA = Research Natural Area
 SB = State Beach
 SBA = State Biological Area

SF = State Forest
SHA = State Historic Area
SHP = State Historic Park
SHS = State Historic Site
SIA = Special Interest Area
SMA = Special Management Area
SNA = State Natural Area
SP = State Park
SR = State Reserve
SRA = State Recreation Area
SVRA = State Vehicular Recreation Area
WA = Wilderness Area
WEA = Wildlife & Environmental Area
WMA = Wildlife Management Area
WSA = Wilderness Study Area

Federal Agency Naming Guidelines

Bureau of Indian Affairs
Bureau of Land Management
Bureau of Reclamation
Bureau of Reclamation Withdrawal (BLM)
Bureau of Reclamation Withdrawal (NPS)
Bureau of Reclamation Withdrawal (Patented)
Bureau of Reclamation Withdrawal (USFS)
Bureau of Reclamation Withdrawal (USFWS)
National Bureau of Standards
National Guard
National Institutes of Health
National Oceanic and Atmospheric Administration
National Park Service
National Science Foundation
U.S. Air Force
U.S. Army
U.S. Army Corps of Engineers
U.S. Coast Guard
U.S. Department of Agriculture
U.S. Department of Defense
U.S. Department of Energy
U.S. Department of the Interior
U.S. Department of Transportation
U.S. Fish & Wildlife Service
U.S. Geological Survey
U.S. Information Services
U.S. Navy
U.S. Veterans Administration
USDA Forest Service
USDA Natural Resources Conservation Service

SECTION VI: CONTACT INFORMATION

Please direct all correspondence regarding the PAD to:

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