

## Appendix C

### Contents of the Companion CDs

#### Disk 1: Report and Appendices

File	Contents
Final Report.doc	Final Report <i>Modeling the Potential Distribution of BLM Sensitive and USFWS Threatened and Endangered Plant Species in Wyoming</i>
Appendix A.doc	Appendix A Potential distribution models for BLM Sensitive and listed Threatened and Endangered vascular plant species in Wyoming
Appendix B.doc	Appendix B Species abstracts for BLM Sensitive and listed Threatened and Endangered vascular plant species in Wyoming
Appendix C.doc	Appendix C Contents of the Companion CDs

#### Disk 2: Data

This disk contains the potential distribution models in ArcInfo Grid format that were developed for this project plus some associated data. The main directories on the disk are listed below, followed by more detailed information for each directory. The disk contains a number of ReadMe.txt files that also describe the contents of important directories.

Directory	Contents
avl	ArcView legend files
data-lcc	base layers (Lambert conformal conic map projection)
location_data	dBase files with known locations of each plant species
misc	miscellaneous files
models	potential distribution models
summary_reports	summary reports for models

File	Description
models.apr	ArcView project file for viewing potential distribution models

**Avl directory** (ArcView legend files)

<b>Legend File</b>	<b>GIS Dataset with which Legend File is Used</b>
county.avl	Wyoming county boundaries
modgrid-range.avl	model grid created by the range/intersection method
modgrid-tree.avl	model grid created by the classification tree method
modgrid-wet.avl	model grid of riparian areas within area predicted by standard classification tree or range/intersection model
modpts.avl	model-building points
pospts.avl	known present (positive) points
q_100k.avl	1:100,000 quadrangles
q_24k.avl	1:24,000 quadrangles
st2m.avl	state boundaries
valpts.avl	validation points
valpts-r.avl	validation points with absent points removed from biomes where plant species does not occur

**Data-lcc directory** (base layers)

<b>Coverage</b>	<b>Description</b>
county	Wyoming county boundaries
q_100k	1:100,000 quadrangles
q_24k	1:24,000 quadrangles
st2m	state boundaries

**Location\_data directory**

The dBase files in this directory contain data for the known locations of the plant species modeled for this project. The data come from the Wyoming Natural Diversity Database (WYNDD) (\*.hpwy.dbf files) and the Rocky Mountain Herbarium (\*.hrm.dbf files) and are organized by the abbreviated name of each species.

### Misc directory (miscellaneous files)

File	Description
models.meta	metadata for potential distribution models (text file)
plant_list.xls	list of plant species that were modeled
procedures.doc	detailed procedures for modeling the potential distribution of plant species
reclass.xls	reclassification tables (bedrock geology, biome, land cover, and soil)

### Models directory (potential distribution models)

This directory contains a subdirectory for each plant species that was modeled. The subdirectories, which use the abbreviation for the species as the name, are ArcInfo workspaces that contain the potential distribution model grid(s) and the point coverages that were used to build and validate the models.

### Summary\_reports directory (summary reports for models)

The Microsoft Word documents in this directory are two page reports that summarize the potential distribution models developed for each plant species that was modeled. The documents are organized by the abbreviated names of the species.

### Map Projection of GIS Datasets

```
Projection                LAMBERT
Datum                    NAD27
Units                    METERS
Spheroid                 CLARKE1866
Parameters:
1st standard parallel    41  0  0.000
2nd standard parallel    45  0  0.000
Central meridian         -107 30  0.00
Latitude of projection's origin  41  0  0.000
False easting (meters)   0.00000
False northing (meters)  0.00000
```

## List of Plant Species

Abbreviation	Plant Species	Common Name
antearcu	<i>Antennaria arcuata</i>	meadow pusstyoos
aquilara	<i>Aquilegia laramiensis</i>	Laramie columbine
artebiendi	<i>Artemisia biennis</i> var. <i>diffusa</i>	mystery wormwood
arteport	<i>Artemisia porteri</i>	Porter's sagebrush
astrgilvpu	<i>Astragalus gilviflorus</i> var. <i>purpureus</i>	Dubois milkvetch
astrjejuar	<i>Astragalus jejunus</i> var. <i>articulatus</i>	Hyattville milkvetch
astrncls	<i>Astragalus nelsonianus</i>	Nelson's milkvetch
astrproi	<i>Astragalus proimanthus</i>	precocious milkvetch
astrracetr	<i>Astragalus racemosus</i> var. <i>treleasei</i>	Trelease's racemose milkvetch
boecpusi	<i>Boechera pusilla</i>	small rock cress
cirsarid	<i>Cirsium aridum</i>	Cedar Rim thistle
cirsownb	<i>Cirsium ownbeyi</i>	Ownbey's thistle
cleomult	<i>Cleome multicaulis</i>	many-stemmed spider-flower
crypsubc	<i>Cryptantha subcapitata</i>	Owl Creek miner's candle
cymoever	<i>Cymopterus evertii</i>	Evert's spring-parsley
cymowill	<i>Cymopterus williamsii</i>	Williams' spring-parsley
desctoru	<i>Descurainia torulosa</i>	Wyoming tansymustard
gaurneomco	<i>Gaura neomexicana</i> var. <i>coloradensis</i>	Colorado butterfly plant
ipomaggrwe	<i>Ipomopsis aggregata</i> var. <i>weberi</i>	Weber's scarlet-gilia
lepiintein	<i>Lepidium integrifolium</i> var. <i>integrifolium</i>	entire-leaved peppergrass
lesqarenar	<i>Lesquerella arenosa</i> var. <i>argillosa</i>	sidesaddle bladderpod
lesqfrem	<i>Lesquerella fremontii</i>	Fremont bladderpod
lesqmacr	<i>Lesquerella macrocarpa</i>	large-fruited bladderpod
lesqmult	<i>Lesquerella multiceps</i>	Western bladderpod
lesqpros	<i>Lesquerella prostrata</i>	prostrate bladderpod
pensabsa	<i>Penstemon absarokensis</i>	Absaroka beardtongue
pensacauac	<i>Penstemon acaulis</i> var. <i>acaulis</i>	stemless beardtongue
penscary	<i>Penstemon caryi</i>	Cary beardtongue
pensgibb	<i>Penstemon gibbensii</i>	Gibbens' beardtongue
penshayd	<i>Penstemon haydenii</i>	blowout penstemon
phlopung	<i>Phlox pungens</i>	Beaver Rim phlox
physcond	<i>Physaria condensata</i>	tufted twinpod
physdorn	<i>Physaria dornii</i>	Dorn's twinpod
physsaxisa	<i>Physaria saximontana</i> var. <i>saximontana</i>	Rocky Mountain twinpod
roricaly	<i>Rorippa calycina</i>	persistent-sepal yellowcress

<b>Abbreviation</b>	<b>Plant Species</b>	<b>Common Name</b>
shospulv	Shoshonea pulvinata	Shoshonea
sisypall	Sisyrinchium pallidum	pale blue-eyed grass
sphasimp	Sphaeromeria simplex	Laramie false sagebrush
spirdilu	Spiranthes diluvialis	Ute ladies tresses
thelcaes	Thelesperma caespitosum	Green River greenthread
thelpube	Thelesperma pubescens	Uinta greenthread
townmicr	Townsendia microcephala	Cedar Mountain Easter-daisy
trifbarn	Trifolium barnebyi	Barneby's clover
yermxant	Yermo xanthocephalus	desert yellowhead