

## ROADMAP TO THE ELEMENTS

This section is provided to assist the National Acceptance Advisory Team (NAAT) in evaluating the CWCS for New Mexico for compliance in adequately addressing the eight congressionally required elements. The chapters and page numbers indicated for each NAAT Guidance statement will assist in locating areas in the document where each element was addressed. However, information pertaining to each element may also occur throughout the document.

**Element 1:** Information on the distribution and abundance of species of wildlife, including low and declining populations as the state deems appropriate, that are indicative of the diversity and health of the state’s wildlife.

NAAT Guidance	Chapter	Pages
The Strategy indicates sources of information (e.g., literature, data bases, agencies, individuals) on wildlife abundance and distribution consulted during the planning process.	<b>Chapter 2</b> .....	14, 15, 16, 21-22
	<b>Chapter 4</b> .....	58-62
	<b>Supporting Documentation</b> .....	450-526
The Strategy includes information about both abundance and distribution for species in all major groups to the extent that data are available. There are plans for acquiring information about species for which adequate abundance and/or distribution information is unavailable.	<b>Chapter 2</b> .....	8-16
	<b>Chapter 3</b> .....	25, 52
	<b>Chapter 4</b> .....	53-62, 65, 82-83
	<b>Chapter 5</b>	
	Apache Highlands Ecoregion.....	93-97, 100-101, 108-110
	AZ-NM Mountains Ecoregion.....	113-116, 123-124, 132-134, 144-145
	Chihuahuan Desert Ecoregion.....	149-152, 155-156, 161-162
	Colorado Plateau Ecoregion.....	165-167, 171
	So. Rocky Mountains Ecoregion...	174-177, 180, 191-194
	So. Shortgrass Prairie Ecoregion...	199-201, 205-206, 214-215
	Riparian Habitats.....	220-223, 237-240
	Ephemeral and Tank Habitats.....	248-253, 258-259, 262-263, 266-267
	Canadian Watershed.....	269-273, 274, 277, 281-282, 285
	Gila Watershed.....	287-291, 292-293, 296, 299-300, 303-304
	Mimbres Watershed.....	306-309, 310-311, 313, 316
	Pecos Watershed.....	319-322, 324, 327-328, 331, 334-335, 339
	Rio Grande Watershed.....	341-344, 346-347, 349-350, 352-353, 356, 359-360
	San Juan Watershed.....	362-365, 366, 369, 373
	Tularosa Watershed.....	376-379, 381, 385
	Zuni Watershed.....	388-391, 392-393
	Additional SGCN.....	396-400, 402-403, 405-416
	<b>Chapter 6</b> .....	419-425, 433-443
	<b>Appendices</b>	
	Appendix C.....	537-548
	Appendix H.....	574-585
	Appendix O.....	624-625
	Appendix P.....	626-627
Appendix Q.....	628-632	

Element 1 Cont.  
NAAT Guidance

	Chapter	Pages
The Strategy identifies low and declining populations to the extent data are available.	<b>Chapter 2</b> .....	8-16
	<b>Chapter 3</b> .....	25, 52
	<b>Chapter 4</b> .....	53-62, 65, 82-83
	<b>Chapter 5</b>	
	Apache Highlands Ecoregion.....	93-97
	AZ-NM Mountains Ecoregion.....	113-116
	Chihuahuan Desert Ecoregion.....	149-152
	Colorado Plateau Ecoregion.....	165-167
	So. Rocky Mountains Ecoregion...	174-177
	So. Shortgrass Prairie Ecoregion...	199-201
	Riparian Habitats.....	220-223
	Ephemeral and Tank Habitats.....	248-253
	Canadian Watershed.....	269-273
	Gila Watershed.....	287-291
	Mimbres Watershed.....	306-309
	Pecos Watershed.....	319-322
	Rio Grande Watershed.....	341-344
	San Juan Watershed.....	362-365
	Tularosa Watershed.....	376-379
	Zuni Watershed.....	388-391
	Additional SGCN.....	396-397, 399, 402, 405, 407, 409, 411,412, 415
<b>Chapter 6</b> .....	419-425, 433-443	
<b>Appendices</b>		
Appendix C.....	537-548	
Appendix H.....	574-585	
All major groups of wildlife have been considered or an explanation is provided as to why they were not.	<b>Chapter 2</b> .....	8-13
	<b>Chapter 4</b> .....	53-58
	<b>Chapter 5</b>	
	Apache Highlands Ecoregion.....	95
	AZ-NM Mountains Ecoregion.....	113
	Chihuahuan Desert Ecoregion.....	149
	Colorado Plateau Ecoregion.....	165
	So. Rocky Mountains Ecoregion...	174
	So. Shortgrass Prairie Ecoregion...	199
	Riparian Habitats.....	220
	Ephemeral and Tank Habitats.....	248
	Canadian Watershed.....	269
	Gila Watershed.....	289
	Mimbres Watershed.....	306
	Pecos Watershed.....	319
	Rio Grande Watershed.....	343
	San Juan Watershed.....	364
	Tularosa Watershed.....	376
	Zuni Watershed.....	390
	Additional SGCN.....	396
	<b>Appendices</b>	
Appendix C.....	537-548	
Appendix H.....	574-585	
The Strategy describes the process used to select the species in greatest need of conservation.	<b>Chapter 2</b> .....	8-13

**Element 2:** Descriptions of location and relative condition of key habitats and community types essential to conservation of species identified (SGCN) in Element 1.

<b>NAAT Guidance</b>	<b>Chapter</b>	<b>Pages</b>
The Strategy provides a reasonable explanation for the level of detail provided; if insufficient, the Strategy identifies the types of future actions that will be taken to obtain the information.	<b>Chapter 2</b> .....	11-12, 16
	<b>Chapter 4</b> .....	81-84
	<b>Chapter 5</b> .....	396, 415
	<b>Chapter 6</b> .....	425-428, 433-443
	<b>Appendices</b>	
	Appendix D.....	549-568
	Appendix E.....	569-571
	Appendix F.....	572
	Appendix G.....	573
	Appendix Q.....	628-632
Key habitats and their relative conditions are described in enough detail such that the State can determine where (i.e., in which regions, watersheds, or landscapes within the State) and what conservation actions need to take place.	<b>Chapter 3</b> .....	31-51
	<b>Chapter 5</b>	
	Apache Highlands Ecoregion.....	94, 97-98, 102-104
	AZ-NM Mountains Ecoregion.....	114, 117-118, 126-127, 138-139
	Chihuahuan Desert Ecoregion.....	150, 152, 158-159
	Colorado Plateau Ecoregion.....	166-168
	So. Rocky Mountains Ecoregion...	174-175, 177, 182-183, 186
	So. Shortgrass Prairie Ecoregion...	200, 202, 208-209
	Riparian Habitats.....	221, 223-226
	Ephemeral and Tank Habitats.....	249, 254-255, 261, 265
	Canadian Watershed.....	270, 273, 276, 279, 283
	Gila Watershed.....	288, 291, 294-295, 298, 301-302
	Mimbres Watershed.....	307, 309, 312, 315
	Pecos Watershed.....	320, 322-323, 326, 329, 333, 337
	Rio Grande Watershed.....	342, 345, 348, 351, 355, 358
	San Juan Watershed.....	363, 365, 368, 371
	Tularosa Watershed.....	377, 379, 383
	Zuni Watershed.....	389, 391
	Additional SGCN.....	396-397, 399, 402, 405, 407, 409, 411, 412, 415
	<b>Appendices</b>	
	Appendix D.....	549-568
	Appendix E.....	569-571
	Appendix F.....	572
Appendix G.....	573	
Appendix Q.....	628-632	

**Element 3:** Descriptions of problems which may adversely affect species identified in Element 1 or their habitats, and priority research and survey efforts needed to identify factors which may assist in restoration and improved conservation of these species and habitats.

<b>NAAT Guidance</b>	<b>Chapter</b>	<b>Pages</b>
The Strategy indicates sources of information (e.g., literature, databases, agencies, or individuals) used to determine the problems or threats.	<b>Chapter 2</b> .....	17-18
	<b>Chapter 4</b> .....	63-80
	<b>Chapter 5</b>	
	Apache Highlands Ecoregion.....	98-99, 104-108
	AZ-NM Mountains Ecoregion.....	118-122, 127-130, 140-143
	Chihuahuan Desert Ecoregion.....	153-154, 159-161
	Colorado Plateau Ecoregion.....	168-170
	So. Rocky Mountains Ecoregion...	178-179, 183, 187-190
	So. Shortgrass Prairie Ecoregion...	202-204, 210-213
	Riparian Habitats.....	226-234
	Ephemeral and Tank Habitats.....	255-256, 261-262, 265
	Canadian Watershed.....	273, 276-277, 280, 284
	Gila Watershed.....	291-292, 295,298, 302
	Mimbres Watershed.....	309, 312, 315
	Pecos Watershed.....	323, 326, 330, 333-334, 337-338
	Rio Grande Watershed.....	345, 348-349, 351-352, 355, 359
	San Juan Watershed.....	365, 368, 371-372
	Tularosa Watershed.....	379-380, 384
	Zuni Watershed.....	392
	Additional SGCN.....	397, 399-400, 402-403, 405, 407, 409, 411, 413, 415
	<b>Supporting Documentation</b> .....	450-526
	<b>Appendices</b>	
	Appendix I.....	586-614
Appendix J.....	615-616	
Appendix K.....	617-618	
Appendix L.....	619	
The threats/problems are described in sufficient detail to develop focused conservation actions (for example, “increased highway mortalities” or “acid mine drainage” rather than generic descriptions such as “development” or “poor water quality”),  and,  The Strategy considers threats/problems, regardless of their origins (local, State, regional, national and international), where relevant to the State’s species and habitats.	<b>Chapter 2</b> .....	17-18, 19-20
	<b>Chapter 4</b> .....	63-80
	<b>Chapter 5</b> .....	92
	Apache Highlands Ecoregion.....	98-99, 104-108
	AZ-NM Mountains Ecoregion.....	118-122, 127-130, 140-143
	Chihuahuan Desert Ecoregion.....	153-154, 159-161
	Colorado Plateau Ecoregion.....	168-170
	So. Rocky Mountains Ecoregion...	178-179, 183, 187-190
	So. Shortgrass Prairie Ecoregion...	202-204, 210-213
	Riparian Habitats.....	226-234
	Ephemeral and Tank Habitats.....	255-256, 261-262, 265
	Canadian Watershed.....	273, 276-277, 280, 284
	Gila Watershed.....	291-292, 295,298, 302
	Mimbres Watershed.....	309, 312, 315
	Pecos Watershed.....	323, 326, 330, 333-334, 337-338
	Rio Grande Watershed.....	345, 348-349, 351-352, 355, 359
	San Juan Watershed.....	365, 368, 371-372
	Tularosa Watershed.....	379-380, 384
	Zuni Watershed.....	392

---

 Element 3 Cont.  
 NAAT Guidance

	<b>Chapter</b>	<b>Pages</b>
	Additional SGCN.....	397, 399-400, 402-403, 405, 407, 409, 411, 413, 415
	<b>Appendices</b>	
	Appendix I.....	586-614
	Appendix J.....	615-616
	Appendix K.....	617-618
	Appendix L.....	619
If available information is insufficient to describe threats/problems, research and survey efforts are identified to obtain needed information.	<b>Chapter 4</b> .....	82-84
	<b>Chapter 5</b>	
	Apache Highlands Ecoregion.....	100-101, 108-110
	AZ-NM Mountains Ecoregion.....	123-124, 132-134, 144-145
	Chihuahuan Desert Ecoregion.....	155-156, 161-162
	Colorado Plateau Ecoregion.....	171
	So. Rocky Mountains Ecoregion...	180, 184, 191-194
	So. Shortgrass Prairie Ecoregion...	205-206, 214-215
	Riparian Habitats.....	237-240
	Ephemeral and Tank Habitats.....	258-259, 262-263, 266-267
	Canadian Watershed.....	274, 277, 281-282, 285
	Gila Watershed.....	292-293, 296, 299-300, 303-304
	Mimbres Watershed.....	310-311, 313, 316
	Pecos Watershed.....	324, 327-328, 331, 334-335, 339
	Rio Grande Watershed.....	346-347, 349-350, 352-353, 356, 359-360
	San Juan Watershed.....	366, 369, 373
	Tularosa Watershed.....	381, 385
	Zuni Watershed.....	392-393
	Additional SGCN.....	398, 400-401, 403, 406, 407-408, 410, 411, 413-414, 416
	<b>Appendices</b>	
	Appendix M.....	620-621
	Appendix N.....	622-623
	Appendix O.....	624-625
	Appendix P.....	626-627
The priority research and survey needs, and resulting products, are described sufficiently to allow for the development of research and survey projects after the Strategy is approved.	<b>Chapter 2</b> .....	17-18, 19-20
	<b>Chapter 6</b> .....	433-443
	<b>Chapter 7</b> .....	444-449

---

**Element 4:** Descriptions of conservation actions proposed to conserve the identified species and habitats and priorities for implementing such activities.

<b>NAAT Guidance</b>	<b>Chapter</b>	<b>Pages</b>
The Strategy identifies how conservation actions address identified threats to species of greatest conservation need and their habitats.	<b>Chapter 2</b> .....	19-20
	<b>Chapter 4</b> .....	63
	<b>Chapter 5</b> .....	92
The Strategy describes conservation actions sufficiently to guide implementation of those actions through the development and execution of specific projects and programs,	<b>Chapter 2</b> .....	19-20
	<b>Chapter 4</b> .....	63, 84-88
and,	<b>Chapter 5</b> .....	92
	Apache Highlands Ecoregion.....	101-102, 111-112
The Strategy describes conservation actions (where relevant to the State’s species and habitats) that could be addressed by Federal agencies or regional, national or international partners and shared with other States.	AZ-NM Mountains Ecoregion.....	125-126, 135-138,146-148
	Chihuahuan Desert Ecoregion.....	157-158, 201-202
and,	Colorado Plateau Ecoregion.....	172-173
	So. Rocky Mountains Ecoregion...	181-182, 185, 196-198
The Strategy describes conservation actions (where relevant to the State’s species and habitats) that could be addressed by Federal agencies or regional, national or international partners and shared with other States.	So. Shortgrass Prairie Ecoregion...	207-208, 216-218
	Riparian Habitats.....	242-247
and,	Ephemeral and Tank Habitats.....	260-261, 264,267-268
	Canadian Watershed.....	275-276, 278-279, 282-283, 286
The Strategy describes conservation actions (where relevant to the State’s species and habitats) that could be addressed by Federal agencies or regional, national or international partners and shared with other States.	Gila Watershed.....	293-294, 297, 300-301, 305
	Mimbres Watershed.....	311-312, 314, 317-318
and,	Pecos Watershed.....	325-326, 328-329, 332-333, 336, 340
	Rio Grande Watershed.....	347-348, 350-351, 354, 357-358, 361
The Strategy describes conservation actions (where relevant to the State’s species and habitats) that could be addressed by Federal agencies or regional, national or international partners and shared with other States.	San Juan Watershed.....	367, 370-371, 374-375
	Tularosa Watershed.....	382-383, 386-387
and,	Zuni Watershed.....	394-395
	Additional SGCN.....	398-399, 401, 404, 406-407, 408-409, 410, 412, 414-415, 416
The Strategy describes conservation actions (where relevant to the State’s species and habitats) that could be addressed by Federal agencies or regional, national or international partners and shared with other States.	<b>Chapter 6</b> .....	433-443
	<b>Chapter 7</b> .....	447-449
The Strategy links conservation actions to objectives and indicators that will facilitate monitoring and performance measurement of those conservation actions (outlined in Element 5).	<b>Chapter 2</b> .....	19-20
	<b>Chapter 6</b> .....	433-443
	<b>Chapter 7</b> .....	444-449

**Element 4 Cont.**  
**NAAT Guidance**

	<b>Chapter</b>	<b>Pages</b>	
If available information is insufficient to describe needed conservation actions, the Strategy identifies research or survey needs for obtaining information to develop specific conservation actions.	<b>Chapter 4</b> .....	82-84	
	<b>Chapter 5</b>		
	Apache Highlands Ecoregion.....	100-101, 108-110	
	AZ-NM Mountains Ecoregion.....	123-124, 132-134, 144-145	
	Chihuahuan Desert Ecoregion.....	155-156, 161-162	
	Colorado Plateau Ecoregion.....	171	
	So. Rocky Mountains Ecoregion...	180, 184, 191-194	
	So. Shortgrass Prairie Ecoregion...	205-206, 214-215	
	Riparian Habitats.....	237-240	
	Ephemeral and Tank Habitats.....	258-259, 262-263, 266-267	
	Canadian Watershed.....	274, 277, 281-282, 285	
	Gila Watershed.....	292-293, 296, 299-300, 303-304	
	Mimbres Watershed.....	310-311, 313, 316	
	Pecos Watershed.....	324, 327-328, 331, 334-335, 339	
	Rio Grande Watershed.....	346-347, 349-350, 352-353, 356, 359-360	
	San Juan Watershed.....	366, 369, 373	
	Tularosa Watershed.....	381, 385	
	Zuni Watershed.....	392-393	
	Additional SGCN.....	398, 400-401, 403, 406, 407-408, 410, 411, 413-414, 416	
		<b>Appendices</b>	
		Appendix M.....	620-621
		Appendix N.....	622-623
	Appendix O.....	624-625	
	Appendix P.....	626-627	
The Strategy identifies the relative priority of conservation actions.	<b>Chapter 4</b> .....	84-88	
	<b>Chapter 5</b>		
	Apache Highlands Ecoregion.....	101-102, 111-112	
	AZ-NM Mountains Ecoregion.....	125-126, 135-138, 146-148	
	Chihuahuan Desert Ecoregion.....	157-158, 201-202	
	Colorado Plateau Ecoregion.....	172-173	
	So. Rocky Mountains Ecoregion...	181-182, 185, 196-198	
	So. Shortgrass Prairie Ecoregion...	207-208, 216-218	
	Riparian Habitats.....	242-247	
	Ephemeral and Tank Habitats.....	260-261, 264, 267-268	
	Canadian Watershed.....	275-276, 278-279, 282-283, 286	
	Gila Watershed.....	293-294, 297, 300-301, 305	
	Mimbres Watershed.....	311-312, 314, 317-318	
	Pecos Watershed.....	325-326, 328-329, 332-333, 336, 340	
	Rio Grande Watershed.....	347-348, 350-351, 354, 357-358, 361	
	San Juan Watershed.....	367, 370-371, 374-375	
	Tularosa Watershed.....	382-383, 386-387	
Zuni Watershed.....	394-395		
Additional SGCN.....	398-399, 401, 404, 406-407, 408-409, 410, 412, 414-415, 416		

**Element 5:** Proposed plans for monitoring species identified in Element 1 and their habitats for monitoring the effectiveness of the conservation actions proposed in Element 4, and for adapting these conservation actions to respond appropriately to new information or changing conditions.

<b>NAAT Guidance</b>	<b>Chapter</b>	<b>Pages</b>
The Strategy describes plans for monitoring species identified in Element #1, and their habitats.	<b>Chapter 6</b> .....	417-443
	<b>Chapter 7</b> .....	448-449
The Strategy describes how the outcomes of the conservation actions will be monitored.	<b>Chapter 6</b> .....	433-443
	<b>Chapter 7</b> .....	448-449
If monitoring is not identified for a species or species group, the Strategy explains why it is not appropriate, necessary or possible.	<b>Chapter 6</b> .....	417-443
Monitoring is to be accomplished at one of several levels including individual species, guilds, or natural communities.	<b>Chapter 6</b> .....	417-443
	<b>Chapter 7</b> .....	448-449
The monitoring utilizes or builds on existing monitoring and survey systems or explains how information will be obtained to determine the effectiveness of conservation actions.	<b>Chapter 4</b> .....	82-84
	<b>Chapter 5</b>	
	Apache Highlands Ecoregion.....	100-101, 108-110
	AZ-NM Mountains Ecoregion.....	123-124, 132-134, 144-145
	Chihuahuan Desert Ecoregion.....	155-156, 161-162
	Colorado Plateau Ecoregion.....	171
	So. Rocky Mountains Ecoregion...	180, 184, 191-194
	So. Shortgrass Prairie Ecoregion...	205-206, 214-215
	Riparian Habitats.....	237-240
	Ephemeral and Tank Habitats.....	258-259, 262-263, 266-267
	Canadian Watershed.....	274, 277, 281-282, 285
	Gila Watershed.....	292-293, 296, 299-300, 303-304
	Mimbres Watershed.....	310-311, 313, 316
	Pecos Watershed.....	324, 327-328, 331, 334-335, 339
	Rio Grande Watershed.....	346-347, 349-350, 352-353, 356, 359-360
	San Juan Watershed.....	366, 369, 373
	Tularosa Watershed.....	381, 385
	Zuni Watershed.....	392-393
	Additional SGCN.....	398, 400-401, 403, 406, 407-408, 410, 411, 413-414, 416
	<b>Chapter 6</b> .....	417-443
The monitoring considers the appropriate geographic scale to evaluate the status of species or species groups and the effectiveness of conservation actions.	<b>Chapter 6</b> .....	417-443
	<b>Chapter 7</b> .....	448-449
The Strategy is adaptive in that it allows for evaluating conservation actions and implementing new actions accordingly.	<b>Chapter 6</b> .....	433-443
	<b>Chapter 7</b> .....	448-449

**Element 6:** Descriptions of procedures to review the Strategy at intervals, not to exceed ten years.

<b>NAAT Guidance</b>	<b>Chapter</b>	<b>Pages</b>
The State describes the process that will be used to review the Strategy within the next ten years.	<b>Chapter 7</b> .....	444-449

**Element 7:** Plans for coordinating the development, implementation, review, and revision of the Strategy with Federal, state, and local agencies and Tribes that manage significant land and water habitats or administer programs that significantly affect the conservation of identified species and habitats.

<b>NAAT Guidance</b>	<b>Chapter</b>	<b>Pages</b>
The State describes the extent of its coordination with and efforts to involve Federal, State and local agencies, and Indian Tribes in the development of its Strategy.	<b>Chapter 2</b> .....	22-24
	<b>Appendices</b> Appendix R.....	633-635
The State describes its continued coordination with these agencies and tribes in the implementation, review and revision of its Strategy.	<b>Chapter 7</b> .....	446-447
	<b>Appendices</b> Appendix R.....	633-635

**Element 8:** Provisions to ensure public participation in the development, revision, and implementation of strategies, projects and programs. Congress has affirmed that broad public participation is an essential element of this process.

<b>NAAT Guidance</b>	<b>Chapter</b>	<b>Pages</b>
The State describes the extent of its efforts to involve the public in the development of its Strategy.	<b>Chapter 2</b> .....	22-24
	<b>Appendices</b> Appendix R.....	633-635
The State describes its continued public involvement in the implementation and revision of its Strategy.	<b>Chapter 7</b> .....	446-447
	<b>Appendices</b> Appendix R.....	633-635