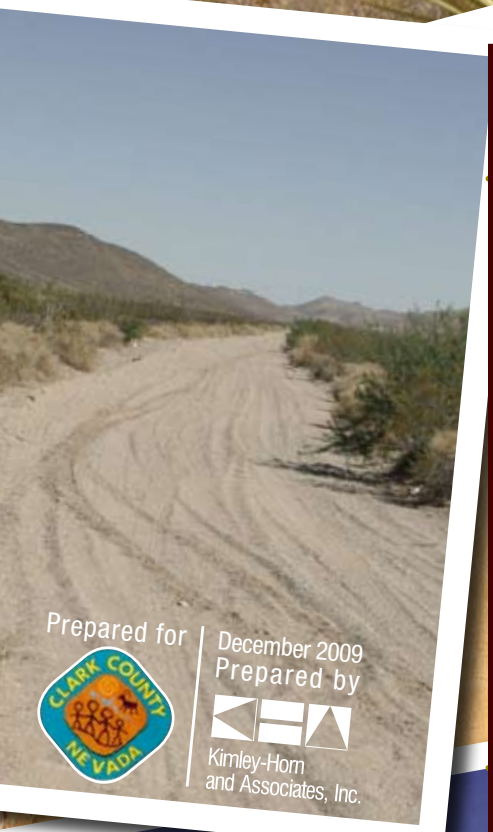


CLARK COUNTY

SEARCHLIGHT TRAILS STUDY

FINAL

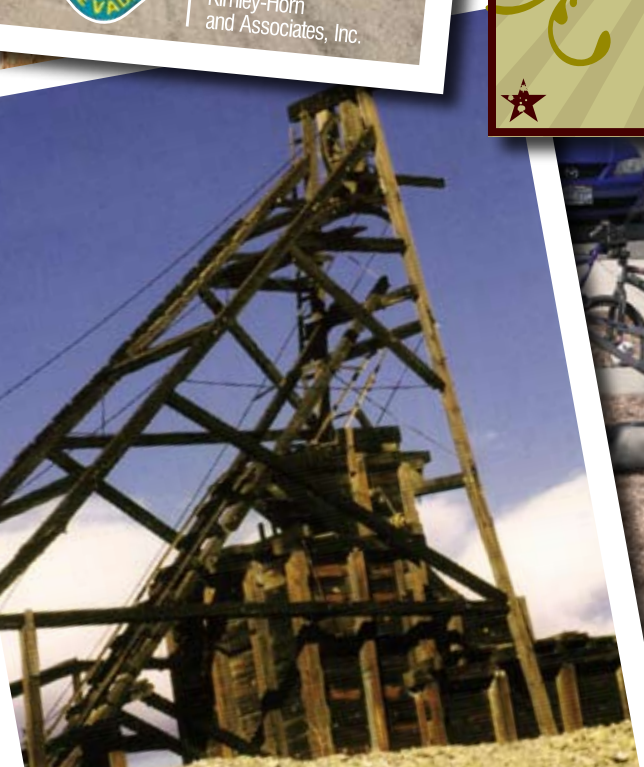
Prepared for

CLARK COUNTY NEVADA

December 2009

Prepared by

Kimley-Horn and Associates, Inc.



SEARCHLIGHT TRAIL STUDY
FINAL

TOWN OF SEARCHLIGHT HERITAGE TRAILS COMMITTEE

Mitch Canepa

Dick Hill

Diane Kendall

Joyce Nowlin

Jane Overy

Michael Romero

Paula Garrett

Audrey & Cliff Morrison

COUNTY MANAGER

Virginia Valentine

ASSISTANT COUNTY MANAGERS

Darryl Martin

Jeff Wells

Phil Rosenquist

CLARK COUNTY COMMISSIONERS

Chairman - Rory Reid

Vice Chair - Susan Brager

Larry Brown

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Chris Giunchigliani

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A special thanks to everyone who participated and offered their knowledge, time, and experience to complete this study.

Kimley-Horn and Associates, Inc.

Table of Contents

Executive Summary 1
- Background 1
- Project Findings 2

Project Schedule 7

Public Involvement 8
- Public Meetings 9

Online Questionnaire Results 12
- Proposed Wind Turbines 17

Progression Maps 18

Important Surrounding Area Attractions 28

Strategy 1: Provide Connections to local Attractions 35
- Proposed Trail Cross-Sections 40

Strategy 2: Protect Connections to Surrounding Area Attractions 42
- Area of Critical Environmental Concern (ACEC)/Trails Interface Nodes 44
- Interface Nodes Signage 45

Plan Implementation Cost Estimate 46

EXECUTIVE SUMMARY

Clark County (County) selected Kimley-Horn and Associates, Inc. (Kimley-Horn) to perform a trail study for the Town of Searchlight (Town), Nevada and the surrounding area. Local trails consist of planned multi-use trails within the Town, as well as off-highway vehicle (OHV) trails that connect the residents with historical elements and scenic locations in the surrounding area.

Governmental agencies have a particular interest in the future of trails in the Searchlight area because of its connectivity with the Paiute Eldorado Area of Critical Environmental Concern (ACEC). Public meetings were held to establish the vision, needs, and concerns of the community. The Searchlight Heritage Trails Committee also assisted in the trail development process. The final plan will help guide trail development throughout the Town and region. The study focuses on three types of trails:

- Walking/bicycle trails
- Priority trails within the non-ACEC areas
- Connections to existing designated trails within the ACEC

The purpose of this study was to identify opportunities to meet the following goals:

- Develop trails that increase neighborhood connectivity and provide safe routes for trail users.
- Protect existing OHV trails.

SEARCHLIGHT HERITAGE TRAILS COMMITTEE

The Searchlight Heritage Trails Committee began with a small group of concerned citizens who assisted the County in applying for Southern Nevada Public Land Management Act (SNPLMA) funding for local trails. The group formed and consisted of local trail advocates, area businesses, Clark County, Bureau of Land Management (BLM), Outside Las Vegas Foundation, the Office of Senator Harry Reid, and Nevada State Parks. Today, committee members are a vital source for local, cultural, and historic information about the trails. They have dedicated many hours of their time to help gather information and create this study. Once the study is complete, the committee will be able to use this study as a tool to continue to enhance the trails in the region.

Background

The Town formed in 1897 as a gold mining town. Today, local residents enjoy the local landscape with its scenic views and desert habitat.

In 1989, development increased in the Las Vegas Valley and the Desert Tortoise was listed as a threatened species. The BLM designated most of the land surrounding the Town as the Paiute Eldorado ACEC. This designation protected the Desert Tortoise and prevented development within the regulated areas. With the ACEC designation in the Clark County Desert Conservation Plan, existing routes were to remain intact but no additional routes or trails could be created within the ACEC areas. This legal action has decreased development within the area and helped maintain the original pioneer character of the community.

SNPLMA was adopted in October 1998. This act allows the BLM to sell public land within a specific boundary around Las Vegas, Nevada. The revenue derived from land sales is split between the state of Nevada General Education Fund, the Southern Nevada Water Authority, and a special account available to the Secretary of the Interior for: parks, trails, and natural areas, capital improvements, conservation initiatives, multi-species habitat conservation plans, environmentally sensitive land acquisitions, and Lake Tahoe Restoration Act projects.

In 2005, Joyce Nowlin sought technical assistance through a grant request from the National Park Service (NPS) River, Trails, and Conservation Assistance (RTCA) Program to help perform a study. Ms. Nowlin, along with Liz Smith-Incer from NPS, invited several individuals to form the Searchlight Heritage Trails Committee. This group developed a shared mission to "open portals to the natural, cultural, and historic resources of Searchlight, Nevada." The collaborative planning team also established shared goals that served as a foundation for the Searchlight Trails Feasibility Study grant application and this study." This study was funded through SNPLMA and BLM.

Project Findings

To meet the goals of this project, it was important to balance the community's desires with what was feasible and met the criteria of a SNPLMA-funded project. The recommendations included in this report will be reviewed by the County in collaboration with BLM. Further public input was gathered on the draft report through a second public meeting and other means before finalizing this report.

The comments and concerns voiced at the first public meeting along with the comments gathered from Heritage Trails Committee Meetings, governmental agencies, and other concerned groups were incorporated into creating the following two trail strategies for the Town. Our project team also collected information that was critical to developing the study and these strategies. We have included the research and data in the **progression maps** starting on page 19.

STRATEGY 1 SUMMARY: PROVIDE CONNECTIONS TO LOCAL ATTRACTIONS

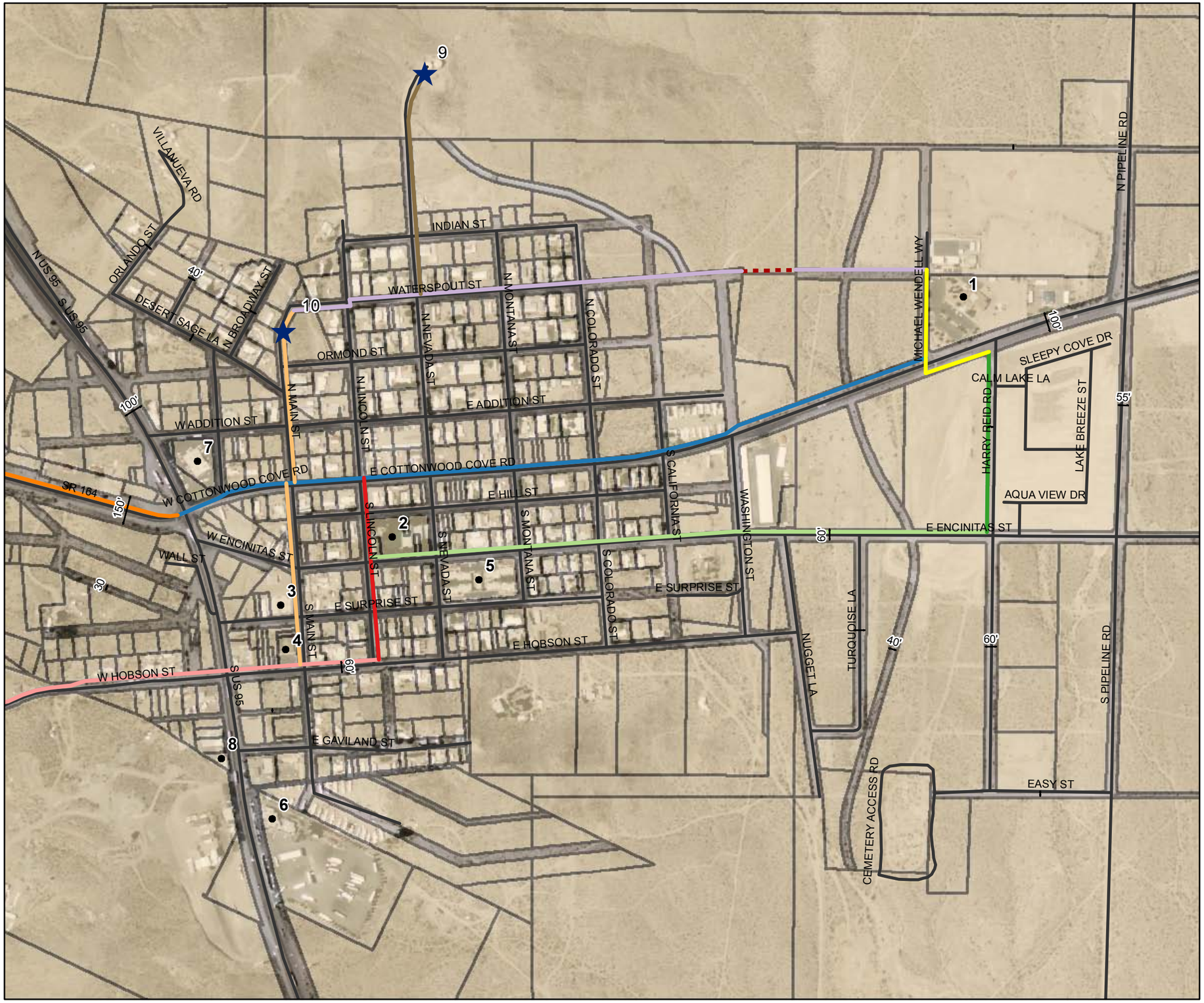
Many local residents walk, run, ride bicycles, or use Off-Highway Vehicles (OHV) along existing roadways throughout the Town. These roadways connect the Town's park, community center, school, residences, and outlying trails. Currently, there are no designated facilities for bicycles and pedestrians. Many people travel along the edge of the road and compete for space with cars and trucks.

Most of the right-of-way (ROW) through the community extends 25 feet on each side of the road's centerline. It is recommended that ROW be utilized for trails as shown on Figure #1A and that the initial phase of implementation include five foot wide natural surface trails between the existing edge of asphalt and the right-of-way line. The preference is for the five foot wide trail to be offset a minimum of three feet from the edge of asphalt and from the right-of-way line. Due to conflicts with existing above ground utilities and residential improvements

Searchlight Trail Study

FIGURE #1A

Neighborhood Multi-Use Trails Map
Overall Map



Legend

- 1 - Community Center
- 2 - Park
- 3 - Skate Park
- 4 - Post Office
- 5 - Apartment Complex
- 6 - Terrible's Casino
- 7 - Nugget Casino
- 8 - Senior Center
- 9 - Potential Lookout
- 10 - Potential Lookout

5' Proposed Multi-Use Trail

- WLB Loop Trail
- Community Center connection
- Cottonwood Cove Road
- Encinitas Street
- Harry Reid Road
- Hobson Street
- Lincoln Street
- Main Street
- Nipton Road - SR 164
- North Lookout Connection
- Waterspout Street
- Proposed Connection
- Parcels

N

0 250 500 1,000 Feet

Kimley-Horn and Associates, Inc.

that have encroached into the right-of-way, there is often not sufficient space for the proposed trail and offset. In these situations the trail will need to be placed at the best available location and may be located adjacent to the roadway and/or right-of-way line and also may need to be narrowed to less than five feet where obstructions exist. The proposed trails are shown in Figure #1A and shown in more detail in the Strategy 1 section near the end of this document. It is recommended that the conversion of natural surface trails to eight foot to ten foot wide paved trails be considered in the future based on usage, funding and maintenance concerns. This should be considered along with any future roadway construction.

Throughout Searchlight, private elements and some residential areas have been built in the ROW. In order to move trail development forward, Kimley-Horn recommends avoiding these areas when aligning the proposed multi-use trails.

STRATEGY 2 SUMMARY: PROTECT CONNECTIONS TO SURROUNDING AREA ATTRACTIONS

There are many local residents who would like to protect the designated historic routes through BLM lands and ACEC areas. These routes connect them to key visual and historic locations located within the ACEC areas and surrounding landscape. The ACEC lands must remain intact and cannot be altered, per their designation through the BLM Land Use Planning process. The designated ACECs are intended to preserve areas with a unique feature type, such as biological, geological, historical, or a scenic vista. This study does not include

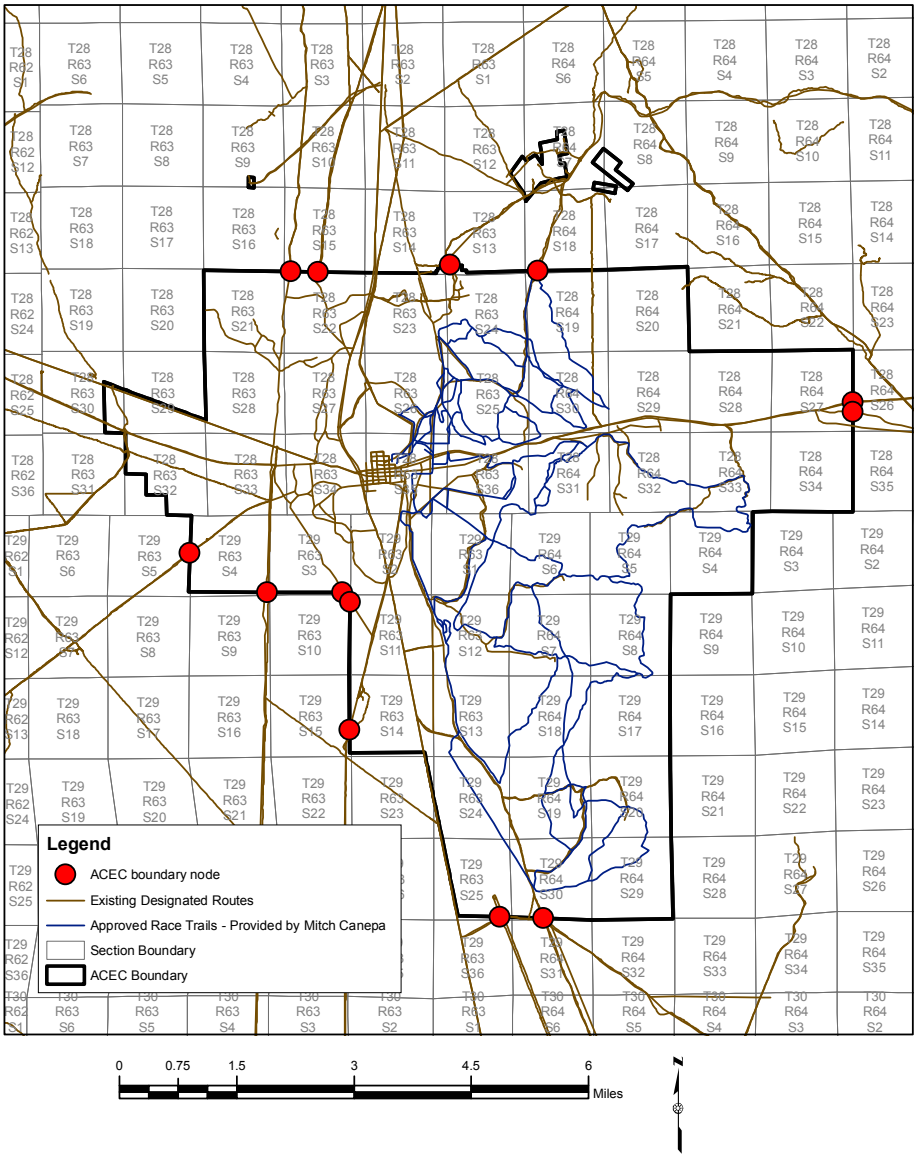


Figure #1B – ACEC/Important Local Connections Map

(See page 43 for a larger version of this figure)

recommendations to address the existing designated routes within the ACEC. Designated routes both within inside and outside the ACEC should be identified with new carsonite signs at locations that this signage does not exist.

Kimley-Horn proposes transferring BLM controlled land to the County at specific locations where an existing trail enters ACEC land. These ACEC access nodes are shown in Figure #1B (page 4) and defined by the legal descriptions in Table 2 (page 44). These nodes are shown in more detail in the Strategy 2 section on page 43. These areas could be delineated as County ROW and used for future signage and educational kiosks. They could also serve as an avenue to create dialogue between the County, BLM, and local residents about the future of the trails. These areas could be delineated with minimal expense and Geographic Information Systems (GIS) coordinates would be provided to the community and trail users. The locations are connected only by OHV trails and would not require a lot of maintenance.

The existing trails in the areas immediately surrounding Searchlight that are shown within this plan are off highway vehicle (OHV) roads and trails that were established by OHV use over time. Although this plan was developed through coordination with the BLM, inclusion of these trails within this plan does not infer a BLM designation. Existing BLM designated routes within this area are shown on Map 4 of 9 of the Progression Maps on page 22 .

The BLM will be preparing a Recreational Area Management Plan (RAMP) in the next few years that will include a review and designation of trails in the area surrounding Searchlight. The BLM RAMP development will comply with BLM regulations and include an Environmental Impact Statement that includes public involvement in the development of their plan. It is expected that a significant number of the existing trails will be designated within the BLM RAMP. The BLM will evaluate if particular existing trails are duplicative in nature and/or if some trails should be designated for motorized versus non motorized use. This evaluation will also include reviews on the impacts of the trails on the natural resources within the area.

PLAN IMPLEMENTATION COST ESTIMATE

This plan recognizes that there is an extensive network of existing trails within the area surrounding the Town of Searchlight that are currently being used. We do not recommend any construction or maintenance for these trails. Any minor maintenance that is needed can be completed by local residents.

The implementation of the plan focuses on designating trail nodes along the key existing trails that enter the ACEC and establishing local trails in the Town of Searchlight within existing roadway rights-of-way. The trail nodes will be established through a right of use easement between Clark County and the BLM, which designates these areas for trail use with no designated cost. The only cost associated with the implementation of this plan is associated with the designation of trails along the local roadway network within the town of Searchlight. This is broken into two phases. The first phase includes the grading of a five-foot natural surface trail along the alignments identified in this plan. The second phase involves the conversion of these trails from natural surface to asphalt. (See Table 1 on page 6).

Table 1 - Implementation Cost: Present Year

ITEM	QUANTITY	MEASUREMENT	UNIT COST		COST	
			Phase 1	Phase 2	Phase 1	Phase 2
5-Foot Trail	23000	LF	$5	$15	$115,000	$345,000
Scenic Lookout	2	EA	$15,000		$30,000	
Intersection Signing and Marking	40	EA	$2,000		$80,000	
Associated Construction Costs (20%)	1	LS			$45,000	$91,000
TRAIL ALIGNMENT	**LENGTH**	**MEASUREMENT**	**COST**		$270,000 *Sub-Total*	*$546,000 Sub-Total*
			Phase 1	Phase 2		
Cottonwood Cove Road	4000	LF	$20,000	$60,000	$54,000 *Contingency (20%)*	$109,200 *Contingency (20%)*
Main Street	2000	LF	$10,000	$30,000		
Waterspout Street	3000	LF	$15,000	$45,000		
Encinitas Street	3000	LF	$15,000	$45,000	**$324,000 TOTAL**	**$655,200 TOTAL**
Harry Reid Road	1000	LF	$5,000	$15,000		
Nipton Road	5000	LF	$25,000	$75,000		
Hobson Street	4000	LF	$20,000	$60,000		
Lincoln Street	1000	LF	$5,000	$15,000		
			$115,000 TOTAL	**$345,000 TOTAL**		

A cost inflation rate of 4% per year is projected for this project. Construction cost in Southern Nevada has fluctuated greatly both up and down over the last 10 years and will need to continue to be evaluated as economic conditions change in the future. The 4% construction cost inflation rate is consistent with the rate currently used by the Nevada Department of Transportation (NDOT) and Metropolitan Planning Organizations in Nevada. Per Dennis Taylor with NDOT Planning, this 4% rate was developed based on a Western Region Consumer Price Index average over the last 10 years of 3.4%.

Table 1A - Implementation Cost: Future Years

YEAR	INFLATION RATE	PHASE 1 COST	PHASE 2 COST
Present	N/A	$324,000	$655,200
2010	4%	$336,960	$681,408
2011	4%	$350,438	$708,664
2012	4%	$364,456	$737,011
2013	4%	$379,034	$766,491
2014	4%	$394,196	$797,151

PROJECT SCHEDULE

The study took approximately one year. It is based on the community's needs and community involvement which has been an important part of the study. When the study is complete, the County will present the trail alignments to the Board of County Commissioners. With their approval, the plan will become part of the Parks, Trails, and Open Space Element of the Clark County Comprehensive Plan.

TIMELINE

PROJECT DURATION

2005

- **2005-2006:** The Searchlight Town Advisory Board applied for and received assistance from the National Park Service Rivers, Trails, and Conservation Assistance Program. Community input was received by the County from the Town of Searchlight Heritage Trails Committee.

2006

- **AUGUST 2006:** Pre Proposal Planning (PPP) application was submitted to the BLM

2007

- **MARCH 2007:** BLM funded the Searchlight Trail Study Pre Proposal Planning (PPP)

2008

- **JANUARY 2008:** Financial Assistance Agreement for the Searchlight Trail Study PPP was issued by the BLM
- **OCTOBER 2008:** Project kickoff (SNPLMA Funding)

2009

- **FEBRUARY 2009:** Public Meeting #1 in Searchlight
- **MARCH 2009:** Draft Trails Study released for feedback
- **MAY 2009:** Public Meeting #2
- **NOVEMBER 2009:** Final Trails Study released
- **DECEMBER 2009:** Searchlight Town Advisory Board considers Trail Study for review
- BCC considers adding trail alignments to the Parks, Trails, and Open Space Element of the Clark County Comprehensive Plan.

PUBLIC INVOLVEMENT

Many agencies and groups are interested in this project. The following agencies and groups were contacted and invited to participate in the study development process:

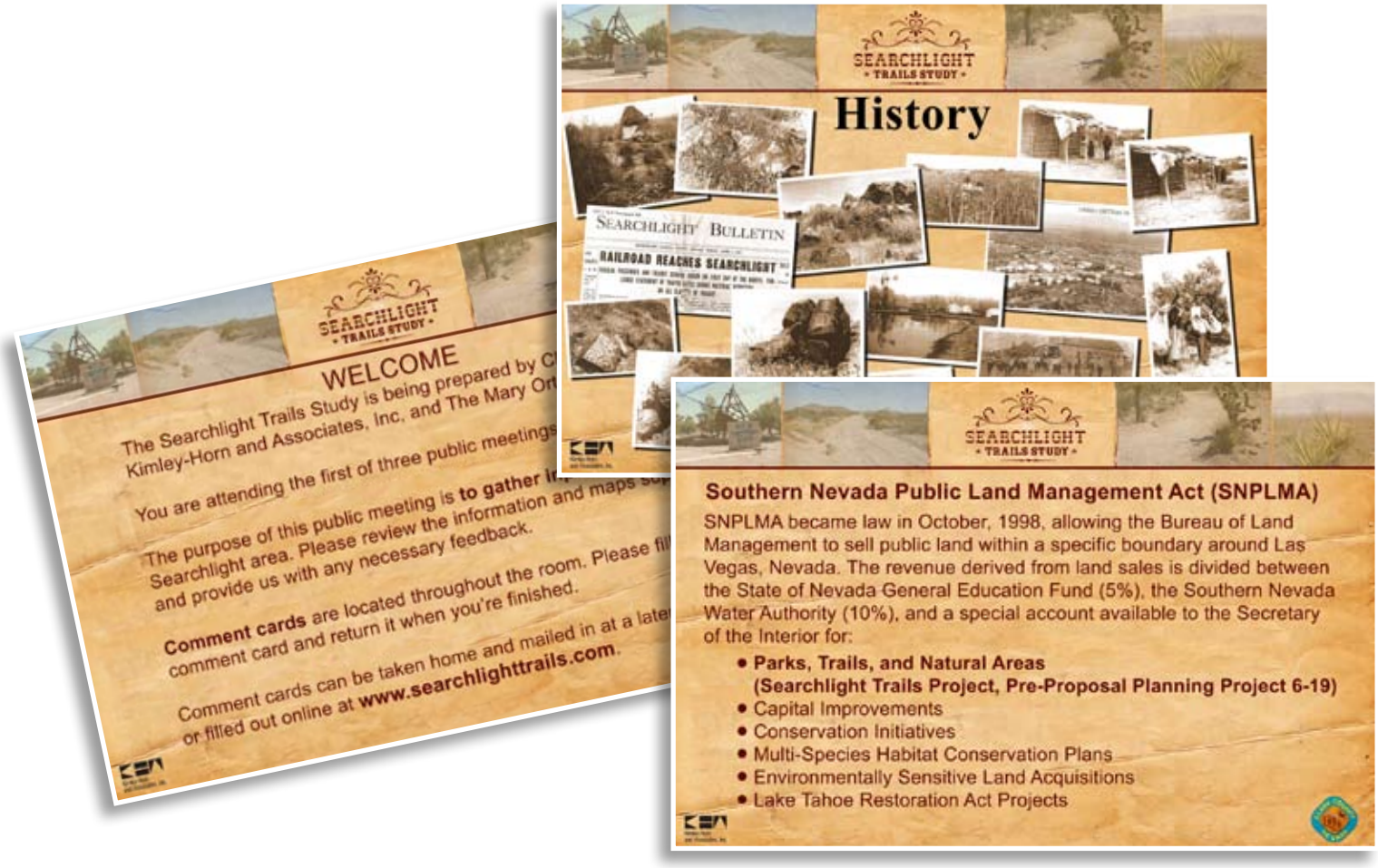
- Town of Searchlight Heritage Trails Committee
- Clark County:
  - Clark County Comprehensive Planning
  - Clark County Development Services
  - Clark County Public Works
  - Clark County Design Engineering and Traffic Management
  - Clark County Parks and Recreation
  - Clark County Traffic
  - Clark County Desert Conservation Program
- Bureau of Land Management
- Bureau of Reclamation
- Las Vegas Distance Riders Club
- Local Tribes:
  - Fort Mojave Indian Tribe
  - Chemehuevi Indian Tribe
  - Colorado River Indian Tribes
  - Hopi Indian Tribe
  - Hualapai Indian Tribe
  - Las Vegas Paiute Tribe
  - Twenty-Nine Palms Band of Mission Indians
  - Moapa Band of Paiute
  - Paiute Indian Tribe of Utah
  - Kaibab Paiute Tribe
  - Pahrump Paiute Tribe
- National Park Service, Lake Mead National Recreation Area
- Nevada Division of State Parks
- Nevada Department of Wildlife
- Nevada Department of Transportation
- Nevada Wilderness Project
- Red Rock Audubon Society
- Regional Flood Control District
- Sierra Club
- Southern Nevada Regional Trails Partnership
- State Historic Preservation Office
- The Nature Conservancy
- Town of Laughlin, Nevada (County Liaison)
- U.S. Congress Dina Titus' Office
- U.S. Senator Harry Reid's Office
- U.S. Fish and Wildlife Service
- University of Nevada of Las Vegas Public Lands Institute

Public Meetings

PUBLIC MEETING #1

February 4, 2009

This meeting was facilitated by Mary Orton (The Mary Orton Company, LLC), representatives from Kimley-Horn, Clark County Comprehensive Planning, UNLV Public Lands Institute, and the Heritage Trails Committee. The BLM was also present to answer questions. Questions from the public were addressed and information was gathered about the public's vision and concerns regarding the local trails. Maps of the local areas were provided to show the ACEC boundary, BLM disposal areas, utility corridors, wilderness areas, park service areas, proposed wind turbine locations, historic mines, and other man-made and natural features.

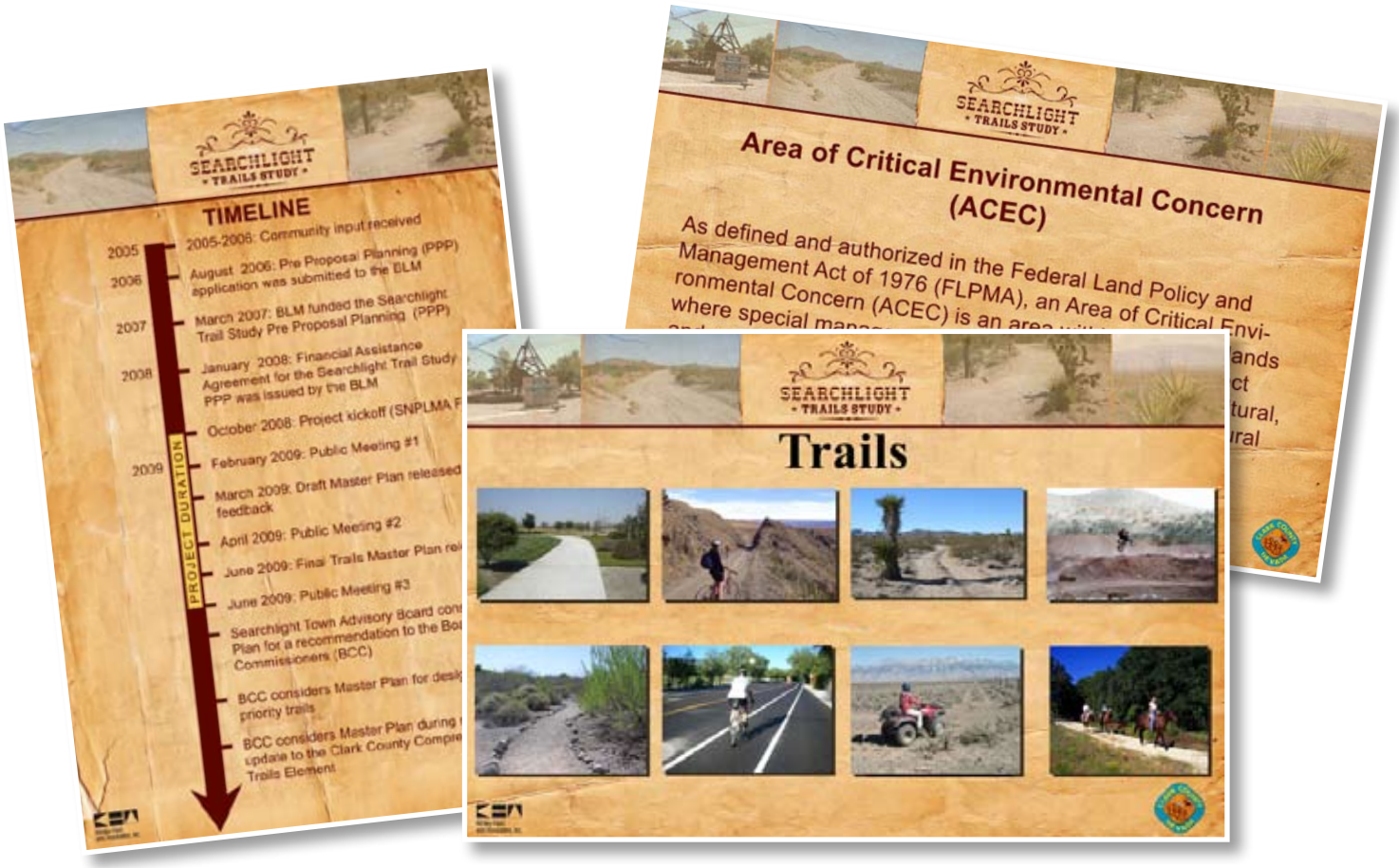


The project team took notes as they were speaking with participants. Comments were written directly on aerial maps. Comment cards were distributed at the meeting and mailed to all local residents. The same questionnaire was used on the project web page (www.searchlighttrails.com). All comment cards were collected and uploaded to the website to allow anyone to view the results. The survey results are included on page 12 along with scanned notes from the aerial drawings from the meeting.

PUBLIC MEETING #2

May 10, 2009

This meeting served as an opportunity to show the community the first draft of the report and project findings. Information and comments collected at this meeting will be used to finalize the report.



SEARCHLIGHT HERITAGE TRAILS COMMITTEE MEETINGS

Searchlight Heritage Trails Committee Meeting with Ron Gregory	November 18, 2008
Discussion of preliminary layout of trails and important locations	January 2, 2009
Searchlight Heritage Trails Committee Meeting with Ron Gregory	January 15, 2009
Preparation for public meeting #1	January 22, 2009
Preparation for public meeting #2	April 24, 2009

TRAIL RIDES

Trail rides took place on January 7 and February 23, 2009. It was important for the project team to gain first-hand knowledge of the local trails. Members of the Searchlight Heritage Trails Committee volunteered to show the project team around the area. UNLV provided a vehicle capable of holding numerous people and traversing the off-road terrain.

The January 7 trip included a tour of historic mines, the Walking Box Ranch facility, ghost towns, wilderness areas, and a wind turbine testing location. During the second trail ride on February 23, the project team examined the local neighborhood streets to determine which local connections were most important to the community. Through these trail rides, the project team was able to understand the respect that the local trail users have for the incredible views, local mountains, geology, and history.

ONLINE QUESTIONNAIRE RESULTS

Searchlight Trails Study Comment Card

1. Would you like to see additional trails in and around Searchlight?

	Response Percent	Response Count
Yes	**93.3%**	**42**
No (skip to question 6)	6.7%	3
	answered question	**45**
	skipped question	**3**

2. Please rank the types of trails you would like to see. (1 being highest)

	1	2	3	4	5	Rating Average	Response Count
Paved walking/hiking/biking	**55.2% (16)**	6.9% (2)	6.9% (2)	17.2% (5)	13.8% (4)	2.28	29
Natural walking/hiking/biking	**62.2% (23)**	24.3% (9)	2.7% (1)	8.1% (3)	2.7% (1)	1.65	37
Equestrian	18.5% (5)	18.5% (5)	**29.6% (8)**	18.5% (5)	14.8% (4)	2.93	27
ATV/OHV/Jeep	**42.9% (12)**	10.7% (3)	28.6% (8)	7.1% (2)	10.7% (3)	2.32	28
Other	**27.3% (3)**	18.2% (2)	18.2% (2)	9.1% (1)	**27.3% (3)**	2.91	11
					Other (please specify)		6
					answered question		**43**
					skipped question		**5**

3. Please rank your priorities for the purpose of the trails. (1 being highest)

	1	2	3	4	5	6	Rating Average	Response Count
Recreation	**67.5% (27)**	10.0% (4)	10.0% (4)	10.0% (4)	0.0% (0)	2.5% (1)	1.73	40
Physical fitness	**42.1% (16)**	23.7% (9)	7.9% (3)	7.9% (3)	7.9% (3)	10.5% (4)	2.47	38
Teaching environmental stewardship of the land	**31.4% (11)**	17.1% (6)	14.3% (5)	25.7% (9)	5.7% (2)	5.7% (2)	2.74	35
Teaching the heritage and history of the area	22.2% (8)	22.2% (8)	**30.6% (11)**	13.9% (5)	5.6% (2)	5.6% (2)	2.75	36
Economic development/bringing tourists to Searchlight	**28.6% (10)**	8.6% (3)	20.0% (7)	11.4% (4)	**28.6% (10)**	2.9% (1)	3.11	35
Other	33.3% (2)	0.0% (0)	0.0% (0)	16.7% (1)	0.0% (0)	**50.0% (3)**	4.00	6
							Other (please specify)	5
							answered question	**44**
							skipped question	**4**

4. Who do you think will use the trails? (1 being most likely)

	1	2	3	4	5	Rating Average	Response Count
Residents (Seniors)	**42.1% (16)**	13.2% (5)	23.7% (9)	21.1% (8)	0.0% (0)	2.24	38
Residents (Adults)	**72.5% (29)**	22.5% (9)	2.5% (1)	2.5% (1)	0.0% (0)	1.35	40
Residents (Children)	**47.4% (18)**	26.3% (10)	21.1% (8)	5.3% (2)	0.0% (0)	1.84	38
Tourists	**30.3% (10)**	18.2% (6)	21.2% (7)	**30.3% (10)**	0.0% (0)	2.52	33
Other	27.3% (3)	0.0% (0)	9.1% (1)	0.0% (0)	**63.6% (7)**	3.73	11
						Other (please specify)	7
						answered question	**44**
						skipped question	**4**

5. Please rank which trail connections from Searchlight to other places are you interested in. (1 being highest)

	1	2	3	4	5	6	7	8	Rating Average	Respon Count
Community Center	**48.5% (16)**	12.1% (4)	3.0% (1)	6.1% (2)	15.2% (5)	12.1% (4)	0.0% (0)	3.0% (1)	2.79	
Senior Citizens Center	17.2% (5)	20.7% (6)	6.9% (2)	0.0% (0)	**24.1% (7)**	**24.1% (7)**	0.0% (0)	6.9% (2)	4.00	
Lake Mohave	**35.1% (13)**	16.2% (6)	21.6% (8)	10.8% (4)	10.8% (4)	5.4% (2)	0.0% (0)	0.0% (0)	2.62	
Natural Features	**46.2% (18)**	15.4% (6)	15.4% (6)	12.8% (5)	5.1% (2)	2.6% (1)	2.6% (1)	0.0% (0)	2.33	
Walking Box Ranch	**32.3% (10)**	12.9% (4)	19.4% (6)	19.4% (6)	9.7% (3)	6.5% (2)	0.0% (0)	0.0% (0)	2.81	
Mine Sites	**22.9% (8)**	**22.9% (8)**	14.3% (5)	11.4% (4)	11.4% (4)	11.4% (4)	2.9% (1)	2.9% (1)	3.26	
None	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	**50.0% (1)**	**50.0% (1)**	7.50	
Other	20.0% (2)	10.0% (1)	10.0% (1)	10.0% (1)	10.0% (1)	10.0% (1)	**30.0% (3)**	0.0% (0)	4.30	
									Other (please specify)	
									answered question	
									skipped question	

6. What else would you like to say about the development of a trails system near Searchlight?

	Response Count
	40
answered question	**40**
skipped question	**8**

Responses to question 6 are provided on pages 15 and 16.

COMMENTS FROM SURVEY QUESTION #6.

1. Make the trails Educational with kiosk information. Keep the trails as true to nature but also have access for handicapped individuals.

2. We need ATV and dirt bike trails.

3. An ATV/OHV jeep trail between lake Mohave and Searchlight would be great for the tourist trade and locals. A paved walking trail from teh Simon Center to the Community Center would be great for all the residents of Searchlight. MAIL

4. Please go further in desert. Not established roads or private property.

5. I think that the residents will get out and use these trails and I don't think they will be taken for granted.

6. I think it would be cool to find more trails for the quads.

7. The trails should be long and challenging. People would be able to see the environment in a new way.

8. If there were proper sidewalks, it would be safer for people when walking is their only transportation.

9. Old railroad bed; other one Randee; Christmas Tree Pass. The proposed wind turbines may interfer with some trails and screw up the vistas.

10. You may have to deal with the proposed wind turbines, keep the town board in ?? with progress.

11. What will they cost? Who will pay the costs of maintenance?

12. Do the trails now before development moves in. Trails would be one more thing to attract visitors and potential residents to the area. At least 15-35 miles long.

13. Trails are not monitore well. BLM has poor attitude.

14. We don't live in Searchlight but are interested in the town's citizens ideas.

15. At the present time it is impossible to walk in Searchlight mostly because of loose mean dogs. Trails are a good idea if you can keep them safe.

16. The best plan I have ever heard of! Where is the "Harry Reid Heritage Trail"?

17. It would improve the quality of life. I believe many residents would utilize the trails. Many residents walk every morning for exercise. The trails would also improve the town cosmetically.

18. It would be very educational for children and for the tourise. Everyone would benefit from it.

19. A good trailhead to go to for trail riding with signs.

20. Keep public lands open to the public; educate people of our history.

21. Trails are fine. There has to be money not only for construction but for upkeep. It would be great if no one threw trash but they do.

22. I would rather see trails than wind turbines, but don't think they are compatible with each other. Trails should be kept to a minimum.

23. An organized ATV trail system similar to Logandale or Utah (Pahute system) would be a great economic benefit to the area. Organized systems also keep recreational use to designated areas (i.e. away from personal property).

24. I hope you got more input from those attending. It was more like old home week rather than a trail meeting. The area is not flat and makes for interesting hiking or riding. Volunteers could put plant markers on one specific “nature trail” Distance markers should be placed so people know how far they walked and how far it is to the end of that trail they are using. At the start of each trail a small sign should indicate how long it is to the starting point or to the end if it is not a loop. Trails, in most cases, should return to the starting point rather than a dead end where the trail user has to backtrack. Because it is a “loop” the trail need not be circular. It can snake around to give different viewsheds. A trail brochure with maps should be made available in the community center restaurants, gas stations and motels to encourage visitors to stay around a while longer. Scheduled walks for locals should be organized to learn about the plants and birds in the area. The bird watchers group in Las Vegas would be happy to provide someone. The “bird walk” need not be long so seniors could enjoy the outdoors in an interesting atmosphere. I am willing to assist.

25. It would be a total waste of tax money. With the big population of Henderson, very few people use the elaborate trails built there. In Searchlight it would be open to bites by the loose dogs and outside of town, snake bites.

26. Once completed Searchlight could offer a run, bike, swim event, like a triatholon

27. Trail development inevitably leads to increased human access to natural places where wildlife and other natural resources are highly effected by the increased presence of humans, pets and OHVs and the resulting garbage, noise, harrassment and illegal expansion and creation of trails. Placement of trails should avoid important natural resource areas. Proper mitigation for Nevada’s natural resources is an important consideration before the development of trails. Additionally, funds to enforce regulations related to trail use should be secured prior to any trail development.

28. Important trail infrastructure for Searchlight and Clark County. Would like to retire in the area.

29. This is the BEST way to develop pride and stewardship of our beautiful natural environment. All those who use the trail system, whether they are residents or tourists, will become more educated in the fragile ecosystem of this area and will want to help preserve it.

30. I believe it necessary that we keep the trails that already exist should stay open to the public, since they are on public lands.

31. It would be an awesome addittion to the community. A great reason for the community to get out and learn, as well as attract visitors.

Proposed Wind Turbines

There is a proposed wind energy facility that may be built within the Town limits. The visual impact of the turbines could dramatically change the landscape of the Town. We have included maps of the proposed locations for the turbines in this study, but their direct effect on the trails is difficult to measure until the Environmental Impact Statement (EIS) is complete. Existing trails in the vicinity of future turbines could be re-routed in the future to accommodate the new turbines and construction. This will only affect the trails within the non-ACEC areas because turbines won't be permitted in the ACEC. The downtown local multi-use trails should not be affected and the trailhead areas at the edge of the ACEC will remain undisturbed. The following article was taken from the BLM Draft EIS for the Searchlight Wind Energy project.

Searchlight Wind, LLC is proposing to develop an approximately 370 megawatt (MW) wind energy facility consisting of up to 94 wind turbine generators. The project is located on 24,383 acres of public lands east of Searchlight, Nevada. The facility, depending upon the wind, would have the capacity to generate enough electricity to power over 100,000 households.

The proposed wind turbine towers would be up to 262 feet tall from the ground to the hub with blades extending up to an additional 153 feet. The total height of each turbine would be up to 415 feet.

In addition to the wind turbines, the proposed project would require the construction of new access roads, an overhead transmission line, two electrical substations, an electrical interconnection facility/switchyard, an operations and maintenance building, and temporary and permanent laydown areas. Five permanent meteorological masts would be installed on the site to measure the wind speed and direction across the site over the life of the project. The exact areas of each component are subject to change as the project design develops and the EIS process proceeds.

The Bureau of Land Management (BLM) is currently preparing an EIS for the proposed Searchlight Wind Energy project.

In a recent article from the Las Vegas Review Journal written by Jennifer Robison, citizens reacted to the proposed Windmill project. A local store owner posted a simple sign "Searchlight Trails YES, Wind Turbines No." In a meeting in June about the proposed wind energy facility, the community expressed the importance of their trail system. This is another example of the importance of the Searchlight trails and the local residents outdoor lifestyles. The community is concerned about access to existing trails being limited or removed due to the proposed wind turbines.

The full article can be found at:
http://www.lvrj.com/business/49170432.html

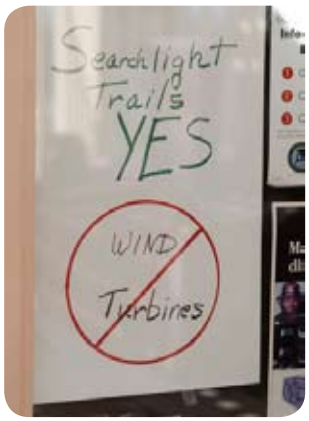
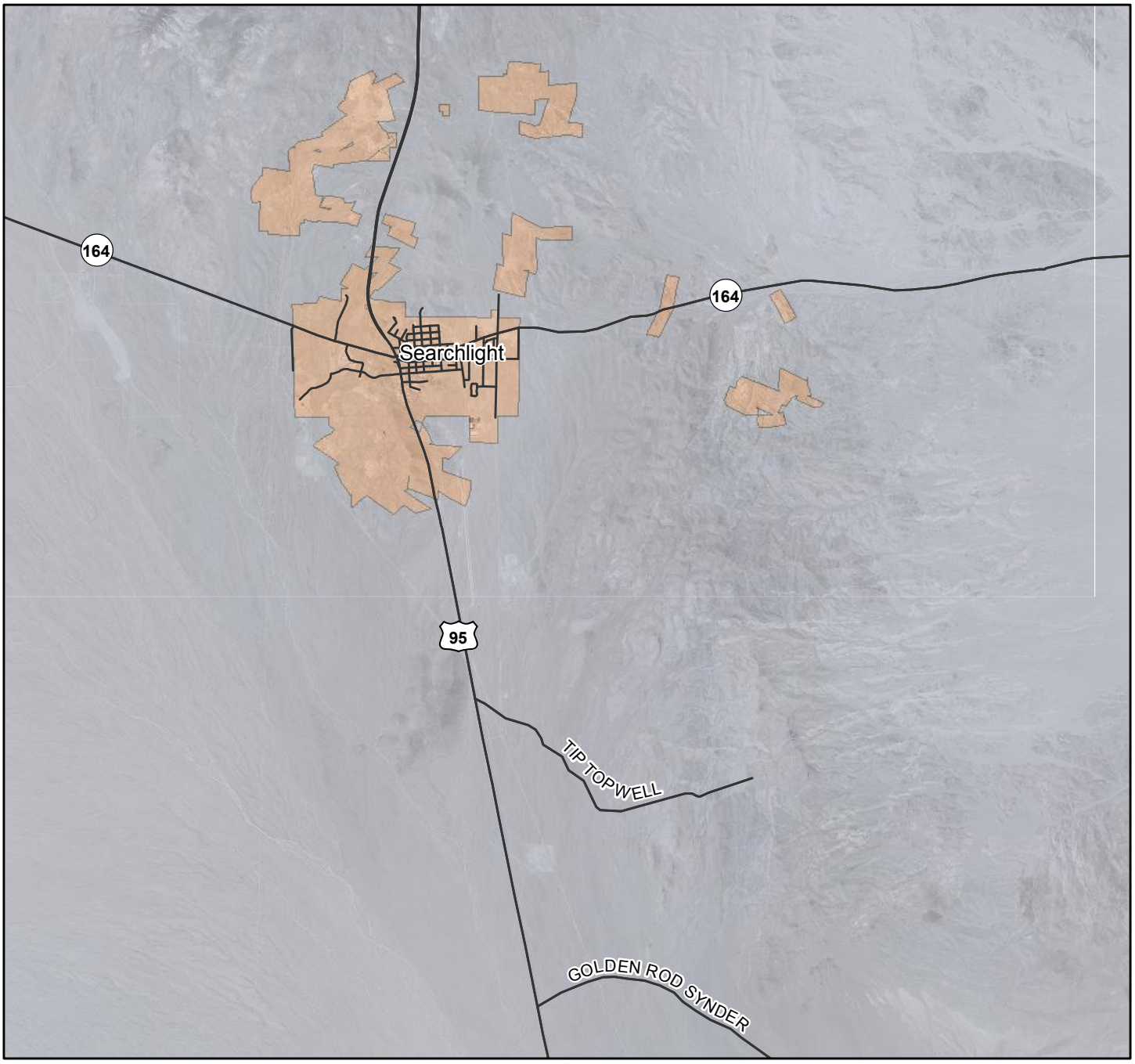


Photo courtesy of Las Vegas Review Journal. Photo by Duane Prokop.

PROGRESSION MAPS

Our team collected extensive data throughout the study. We have illustrated this data in the following progression maps, which show the overall study area and additional informational elements one at a time.

- Progression Map 1 of 9 - Figure #2
  - This map illustrates the property owned by the BLM and the property owned by the County or Private Land Owners.
- Progression Map 2 of 9 - Figure #3
  - This map show the ACEC Boundary in reference to the Town of Searchlight.
- Progression Map 3 of 9 - Figure #4
  - This map show the BLM Disposal Area, available to the County for potential uses.
- Progression Map 4 of 9 - Figure #5
  - This map shows the location of all BLM Designated routes surrounding Searchlight.
- Progression Map 5 of 9 - Figure #6
  - This map shows current trail alignments surrounding Searchlight.
- Progression Map 6 of 9 - Figure #7
  - This map shows motorcycle and quad race trails surrounding Searchlight that have been approved by the BLM for particular events.
- Progression Map 7 of 9 - Figure #8
  - This map shows the Hazardous and Non-Hazardous mine locations within the area.
- Progression Map 8 of 9 - Figure #9
  - This map shows the proposed Wind Turbine locations and proposed access roads.
- Progression Map 9 of 9 - Figure #10
  - This map shows all of the information from the 7 previous maps and the local Points of Interest and local Towns.



Legend

- Street Centerline
- Bureau of Land Management
- Clark County and Private

Searchlight Trail Study

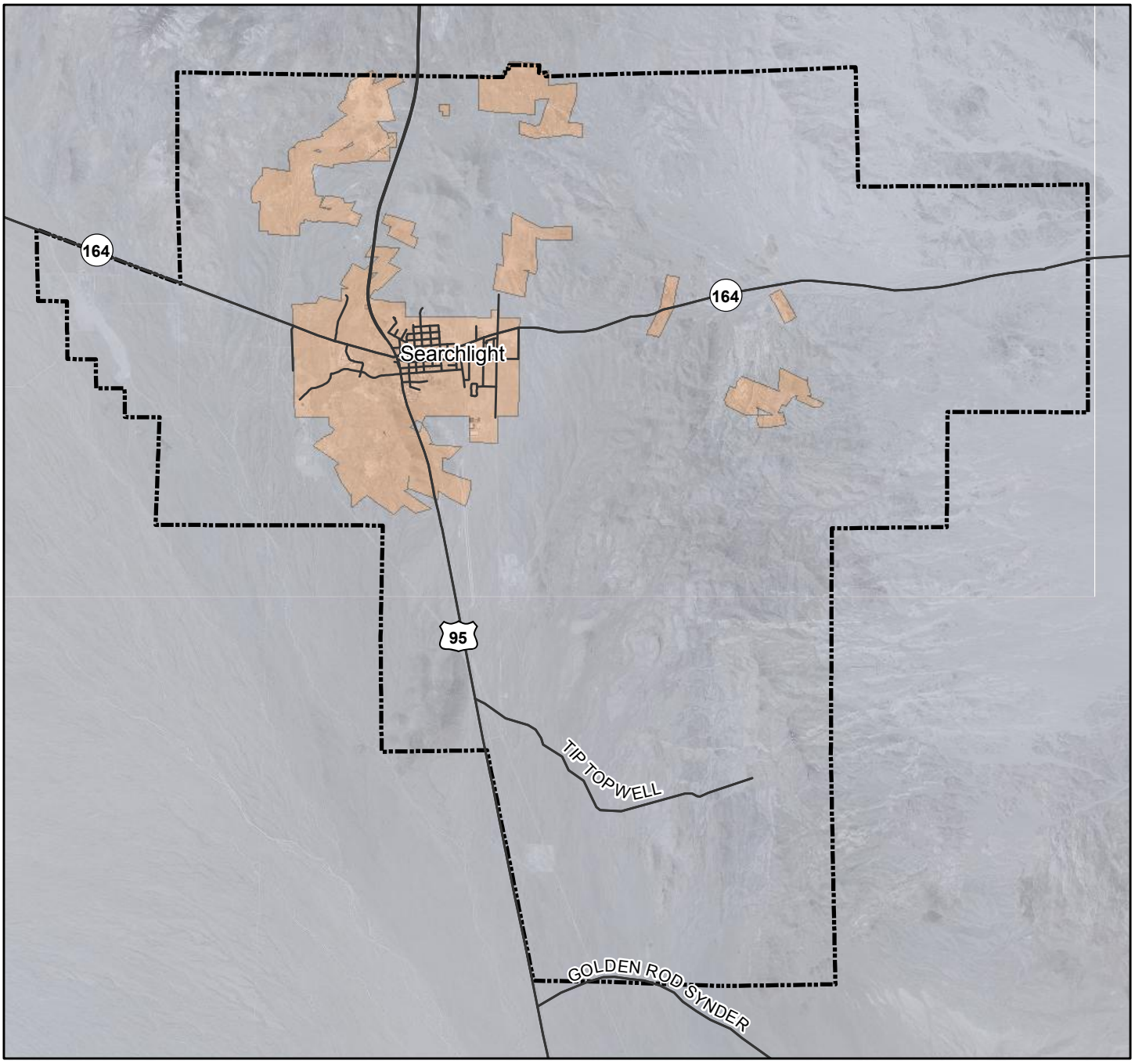
Progression Map 1 of 9

FIGURE #2

N

0 0.5 1 2 Miles

Kimley-Horn and Associates, Inc



Legend

- Street Centerline
- Bureau of Land Management
- Clark County and Private
- ACEC Boundary

Searchlight Trail Study

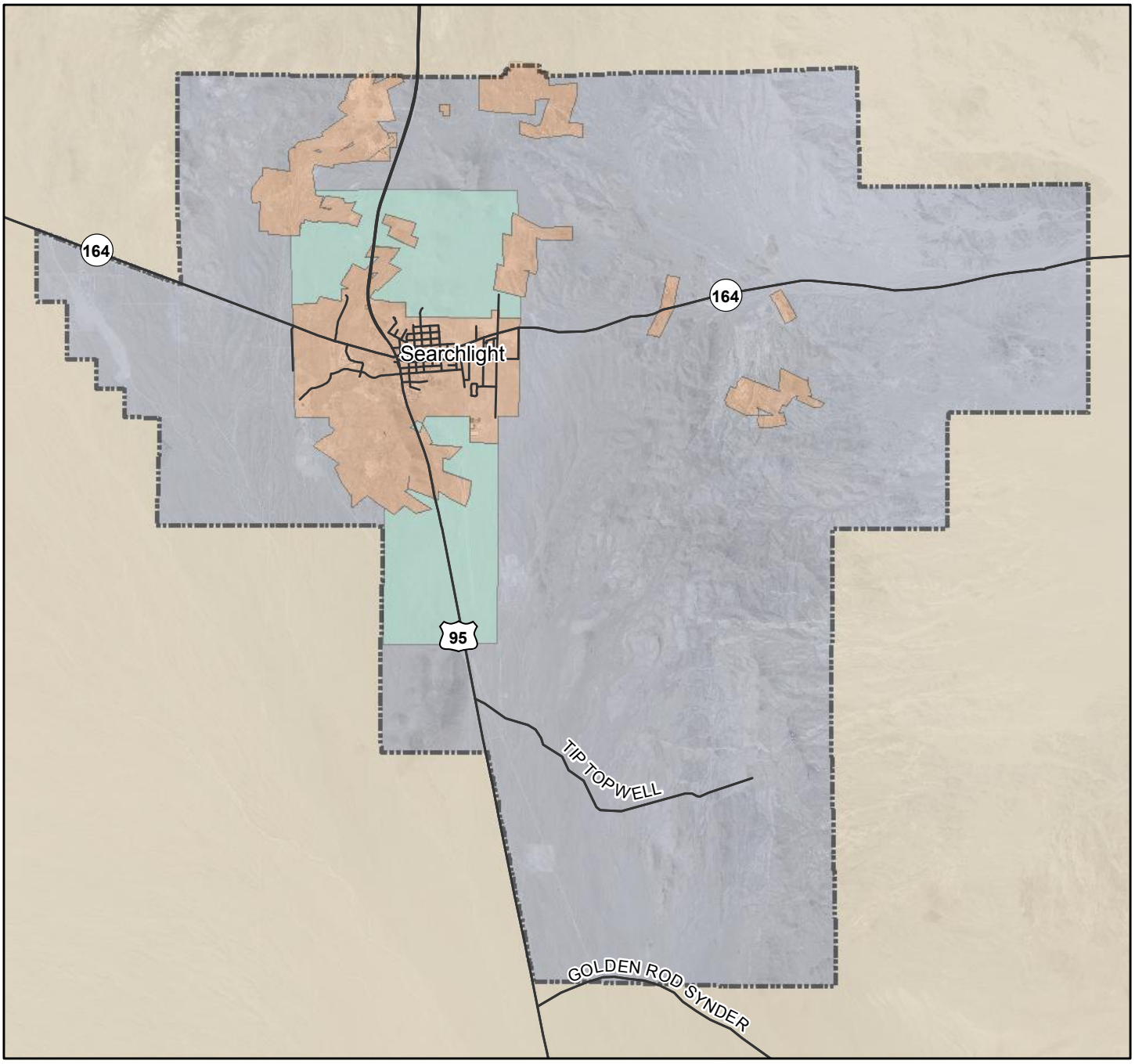
Progression Map 2 of 9

FIGURE #3

N

0 0.5 1 2 Miles

Kimley-Horn and Associates, Inc



Legend

- Street Centerline
- Bureau of Land Management
- Clark County and Private
- ACEC Boundary
- BLM Disposal Boundary

Searchlight Trail Study

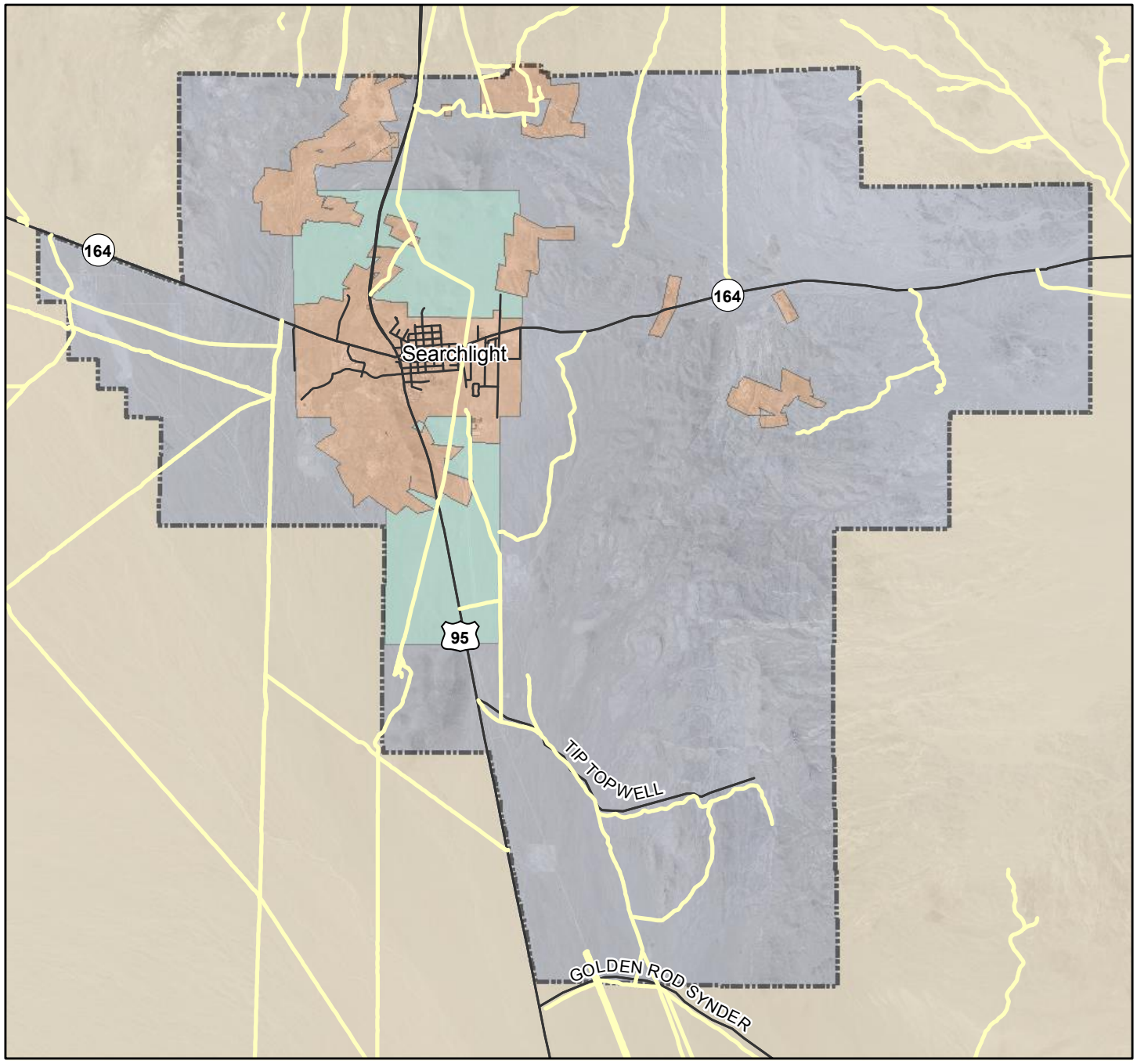
Progression Map 3 of 9

FIGURE #4

N

0 0.5 1 2 Miles

Kimley-Horn and Associates, Inc



Legend

- Street Centerline
- Bureau of Land Management
- Clark County and Private
- ACEC
- BLM Disposal Boundary
- BLM Designated Route

Searchlight Trail Study

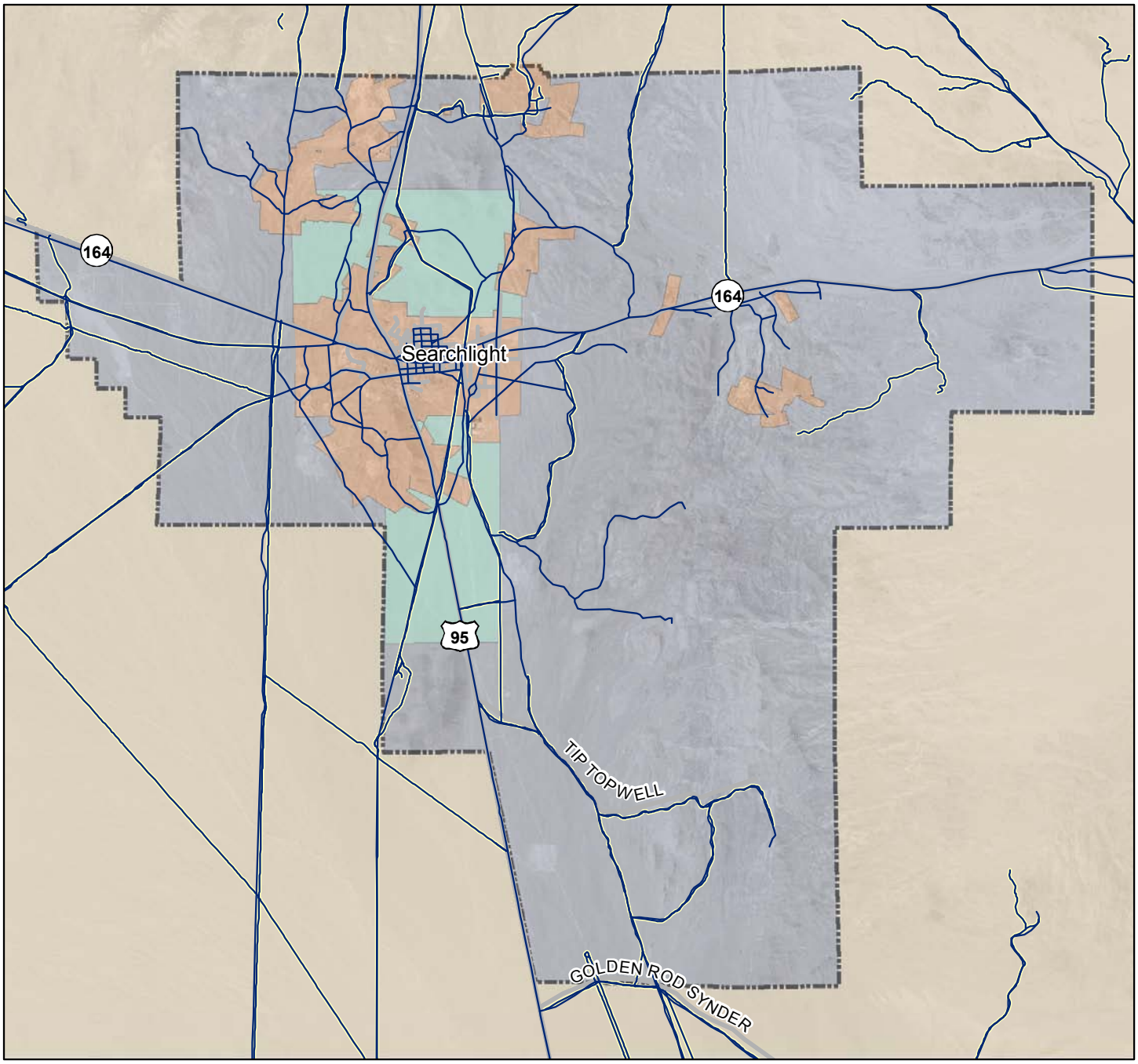
Progression Map 4 of 9

FIGURE #5

N

0 0.5 1 2 Miles

Kimley-Horn and Associates, Inc



Legend

- Existing Trail Alignments
- Street Centerline
- BLM Designated Routes
- ACEC
- BLM Disposal Boundary
- Bureau of Land Management
- Clark County and Private

Searchlight Trail Study

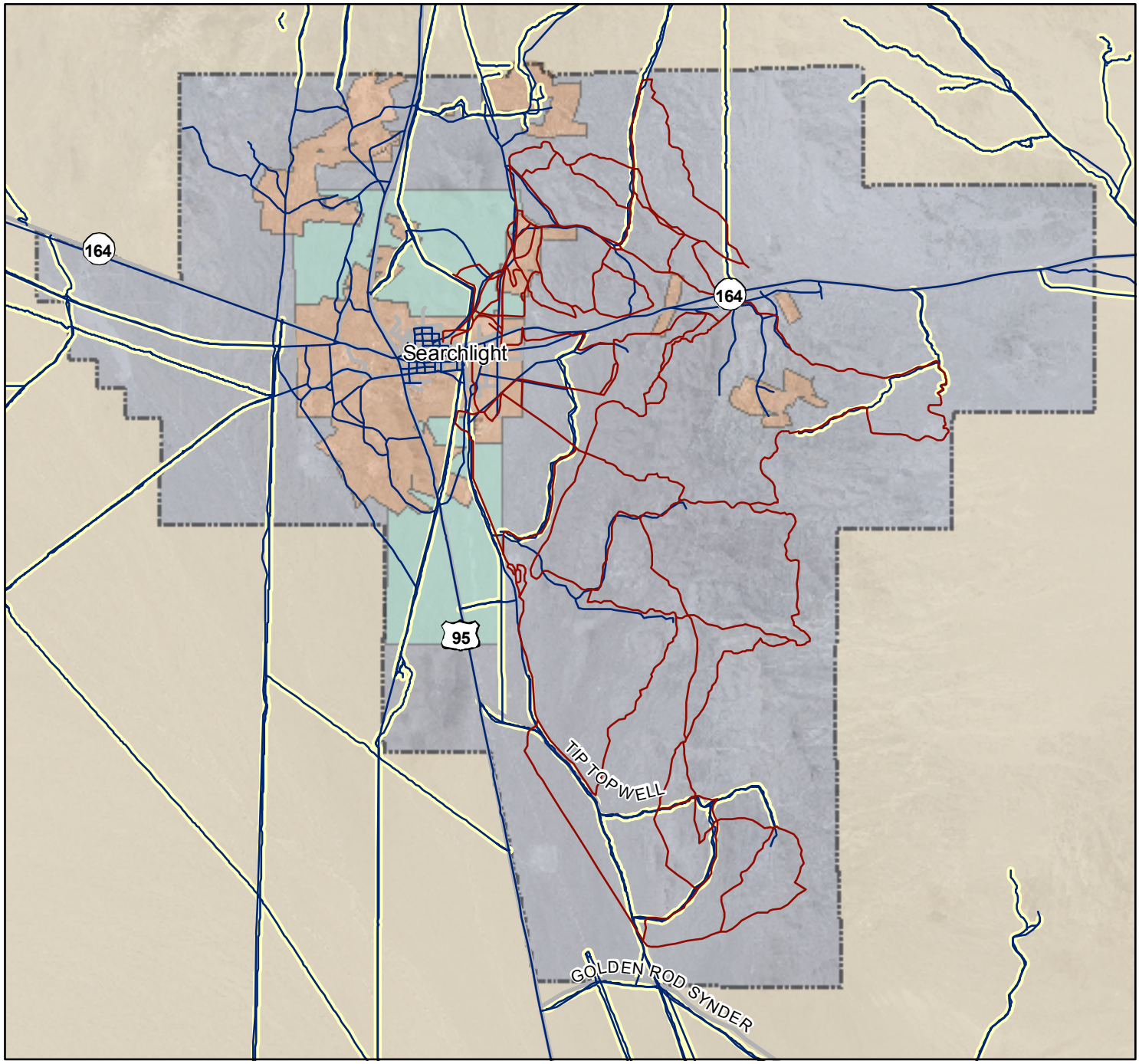
Progression Map 5 of 9

FIGURE #6

N

0 0.5 1 2 Miles

Kimley-Horn and Associates, Inc



Legend

- Approved Race Trails - Provided by Mitch Canepa
- Existing Trail Alignments
- Street Centerline
- BLM Designated Routes
- ACEC
- BLM Disposal Boundary
- Bureau of Land Management
- Clark County and Private

Searchlight Trail Study

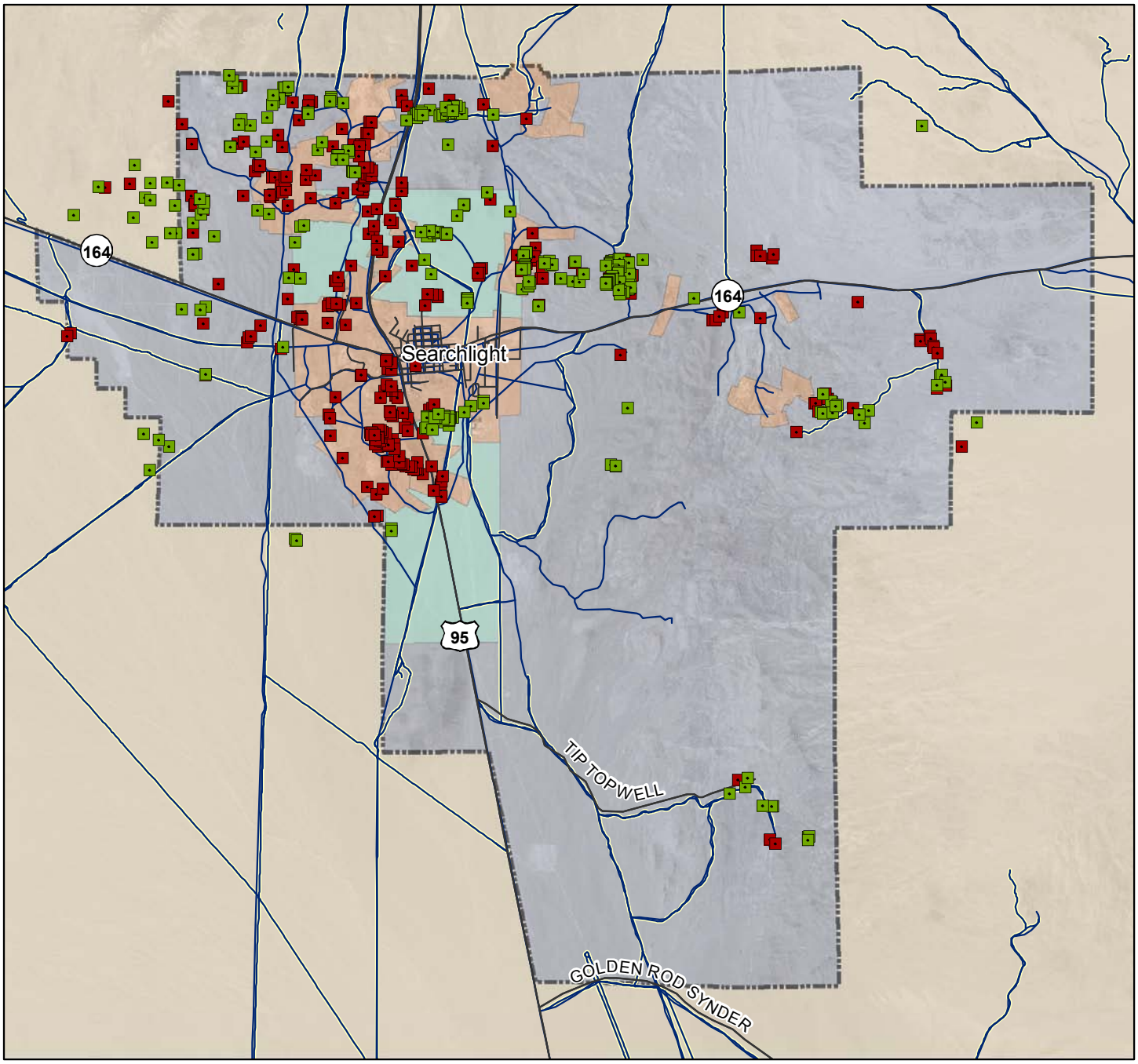
Progression Map 6 of 9

FIGURE #7

N

0 0.5 1 2 Miles

Kimley-Horn and Associates, Inc



Legend

- Street Centerline
- Bureau of Land Management
- Clark County and Private
- ACEC
- BLM Disposal Boundary
- BLM Designated Routes
- Existing Trail Alignments
- Non-Hazardous Mines (<8' deep)
- Hazardous Mines (>8' deep)

Searchlight Trail Study

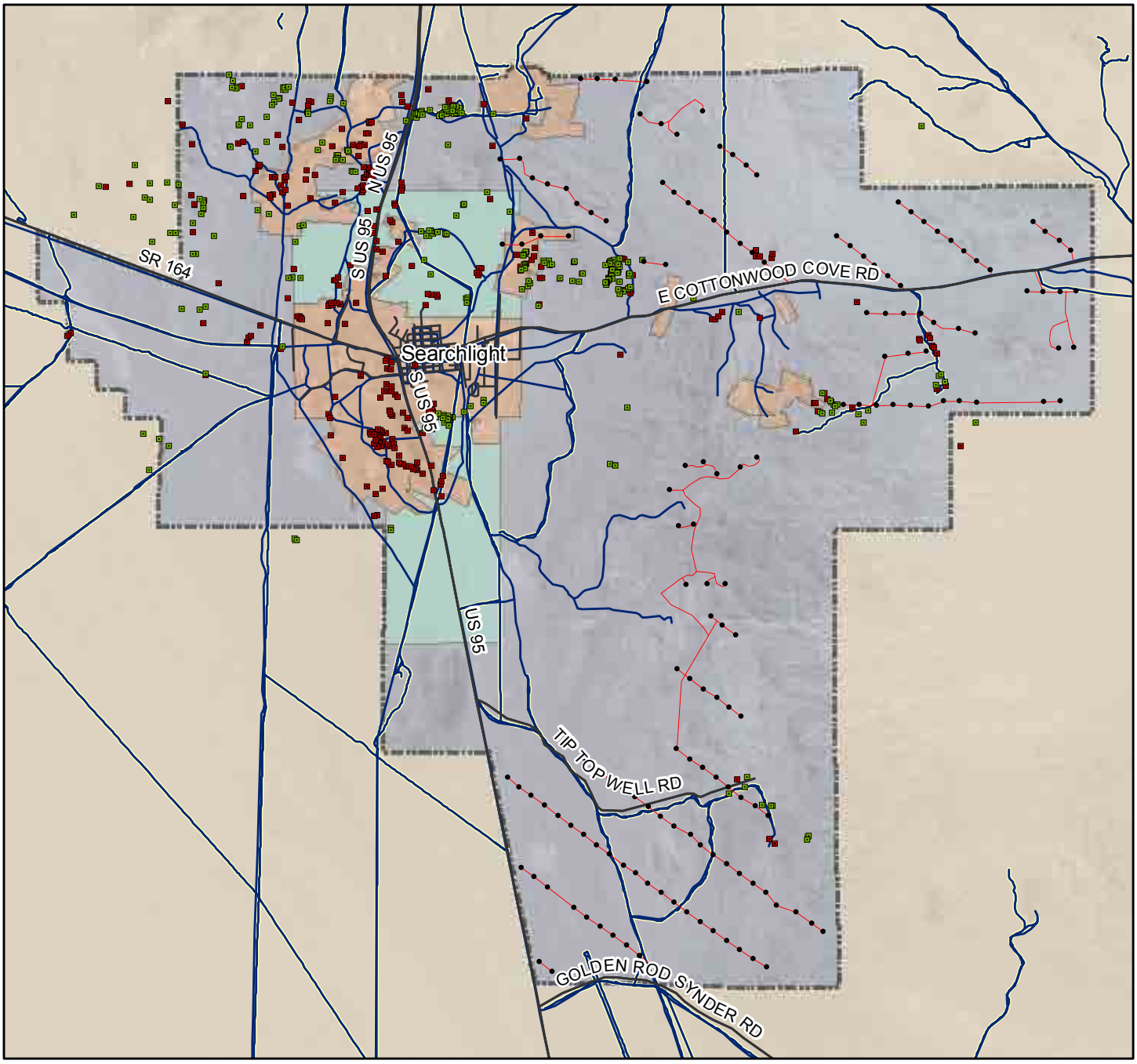
Progression Map 7 of 9

FIGURE #8

N

0 0.5 1 2 Miles

Kimley-Horn and Associates, Inc



Legend

- Street Centerline
- Bureau of Land Management
- Clark County and Private
- ACEC
- BLM Disposal Boundary
- BLM Designated Routes
- Existing Trail Alignments
- Non-Hazardous Mines (<8' deep)
- Hazardous Mines (>8' deep)
- Wind Turbines
- Turbine Access Road

Searchlight Trail Study

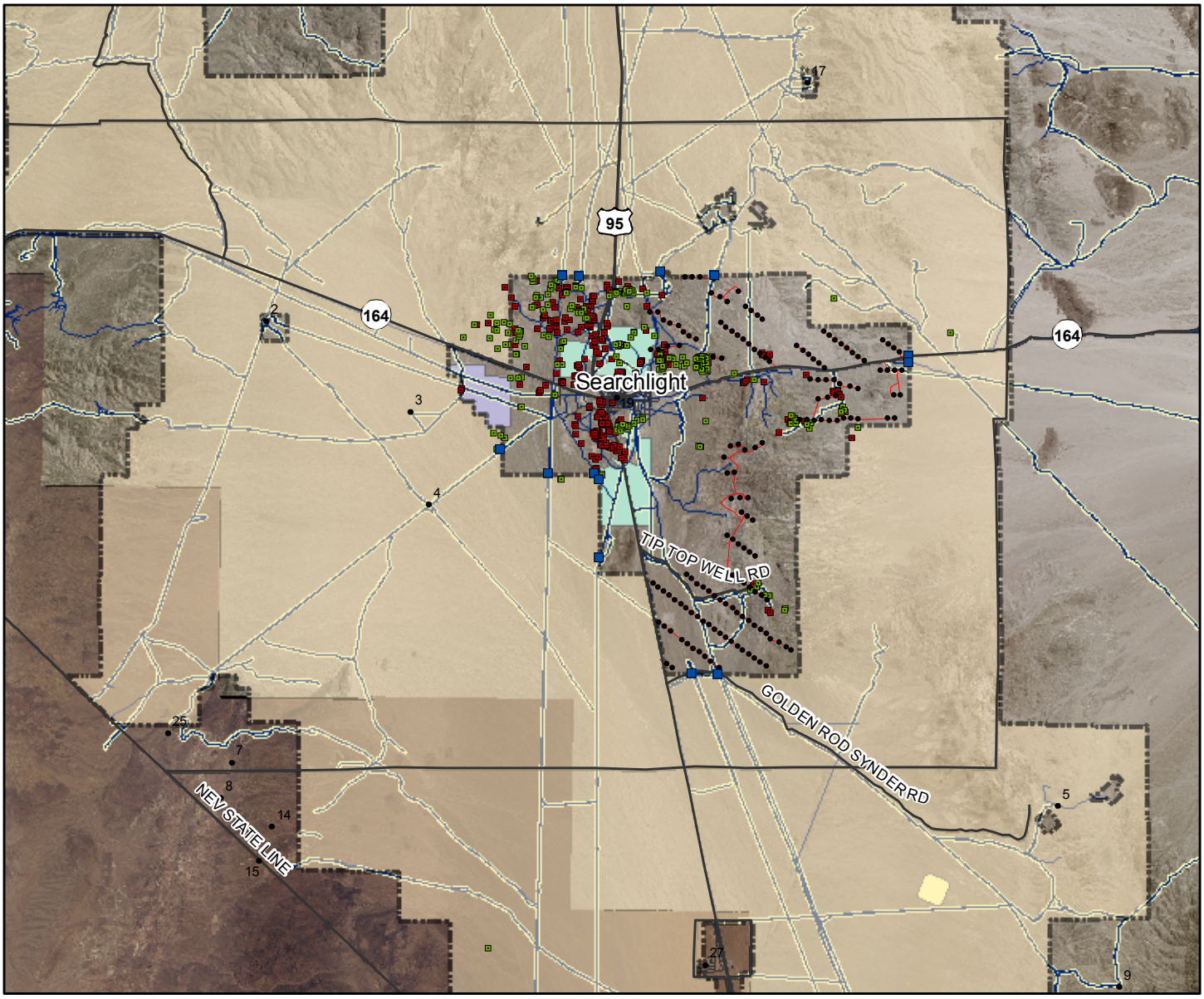
Progression Map 8 of 9

FIGURE #9

N

0 0.5 1 2 Miles

Kimley-Horn and Associates, Inc



Searchlight Trail Study

Progression Map 9 of 9

FIGURE #10

Legend

Points of Interest

- 1 - Lucy Grey Mine
- 2 - Walking Box Ranch
- 3 - Searchlight Well S2
- 4 - Six Mile Coral
- 5 - Goldenrod Mine
- 6 - Viceroy Open Pit Mine
- 7 - Mine Shaft
- 8 - Heritage Mailbox 1
- 9 - Gravel Pit
- 10 - Grapevine Canyon
- 11 - Davis Dam
- 12 - Fort Paiute (approx.)
- 13 - Camp Cottonwood Cove Marina
- 14 - Heritage Trail Connection
- 15 - Heritage Trail to California
- 16 - Knob Hill
- 17 - Louisville Mine Lakeview
- 18 - Keyhole Canyon

Cities/Towns

- 19 - Searchlight
- 20 - Nelson
- 21 - Nipton
- 22 - Desert
- 23 - Sunrise (Ghost Town)
- 24 - Primm
- 25 - Juan (Historic)
- 26 - Hart
- 27 - Cal-Nev-Ari
- 28 - Palm Gardens
- 29 - Laughlin
- 30 - Barnwell

- ACEC/Trails Interface Node
- Wind Turbine
- Non-Hazardous Mines (<8' deep)
- Hazardous Mines (>8' deep)
- Street Centerline
- Turbine Access Road
- Existing Trail Alignments
- BLM Designated Routes
- ACEC
- BLM Disposal Boundary
- Loran-C, U.S. Coast Guard
- NDOT Borrow Pit

N

0 1 2 4 6 Miles

Kimley-Horn and Associates, Inc

IMPORTANT SURROUNDING AREA ATTRACTIONS

Walking Box Ranch – The Walking Box Ranch is located seven miles west of the Town and covers over 160 acres. It was founded in 1931 by Rex Bell and Clara Bow as a working ranch. It was placed on the National Register of Historic Places on January 30, 2009. The ranch includes four buildings and is owned by the Bureau of Land Management. Over the years, Rex and Clara entertained many notable Hollywood figures including; Clark Gable, Carole Lombard, Errol Flynn, and Lionel Barrymore. The Nature Conservancy purchased 151,331 acres of land surrounding the ranch in June 1994. The BLM currently manages the ACEC lands surrounding the ranch. The site could be a valuable trail connection to the community but is located within the ACEC and outside the limits of this study. Currently, the BLM is working on future plans for the ranch. Figures 11-16 define important connections to the surrounding areas.

Other Areas of Interest

Lucy Grey Mine	**Heritage Mailbox 1**	**Heritage Trail Connection**
Searchlight Well S2	**Gravel Pit**	**Heritage Trail to California**
Six Mile Coral	**Grapevine Canyon**	**Knob Hill**
Goldenrod Mine	**Davis Dam**	**Louisville Mine Lakeview**
Viceroy Open Pit Mine	**Fort Paiute**	**Keyhole Canyon**
Mine Shaft	**Camp Cottonwood Cove Marina**	

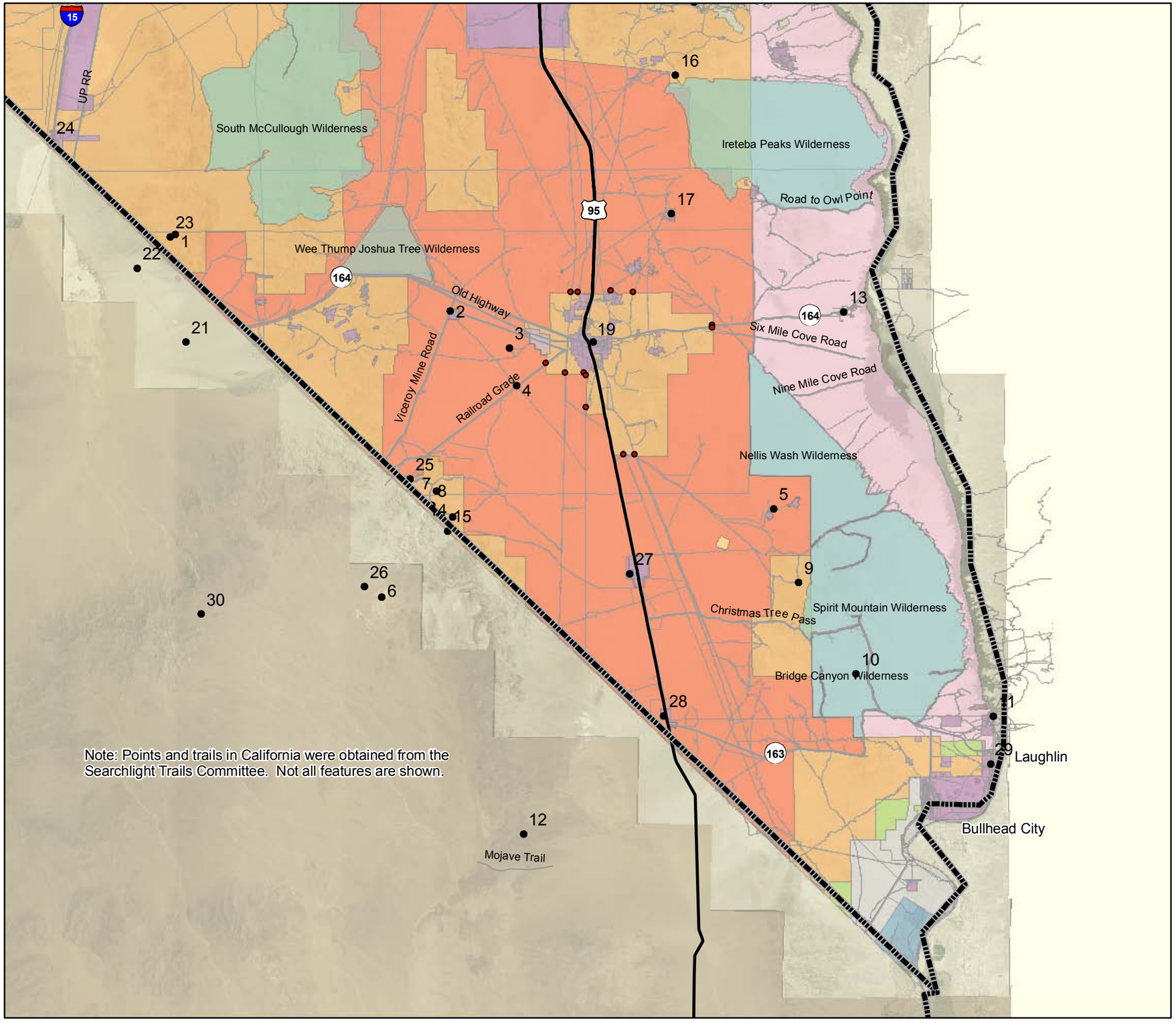
Towns/Cities

Nelson	**Sunrise**	**Hart**	**Laughlin**
Nipton	**Primm**	**Cal-Nev-Ari**	**Barnwell**
Desert	**Juan**	**Palm Gardens**	

Searchlight Trail Study

FIGURE #11

ACEC / Important Local Connections Overview



Legend

Point of Interest

- 1 - Lucy Grey Mine
- 2 - Walking Box Ranch
- 3 - Searchlight Well S2
- 4 - Six Mile Corral
- 5 - Goldenrod Mine
- 6 - Viceroy Open Pit Mine
- 7 - Mine Shaft
- 8 - Heritage Mailbox 1
- 9 - Gravel Pit
- 10 - Grapevine Canyon
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Town/City

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- Wilderness Area
- Loran-C, U.S. Coast Guard
- NDOT Borrow Pit
- ACEC
- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- National Park Service
- Nevada State
- Clark County and Private
- Street Centerline/Trail
- US 95
- State Boundary
- ACEC boundary node

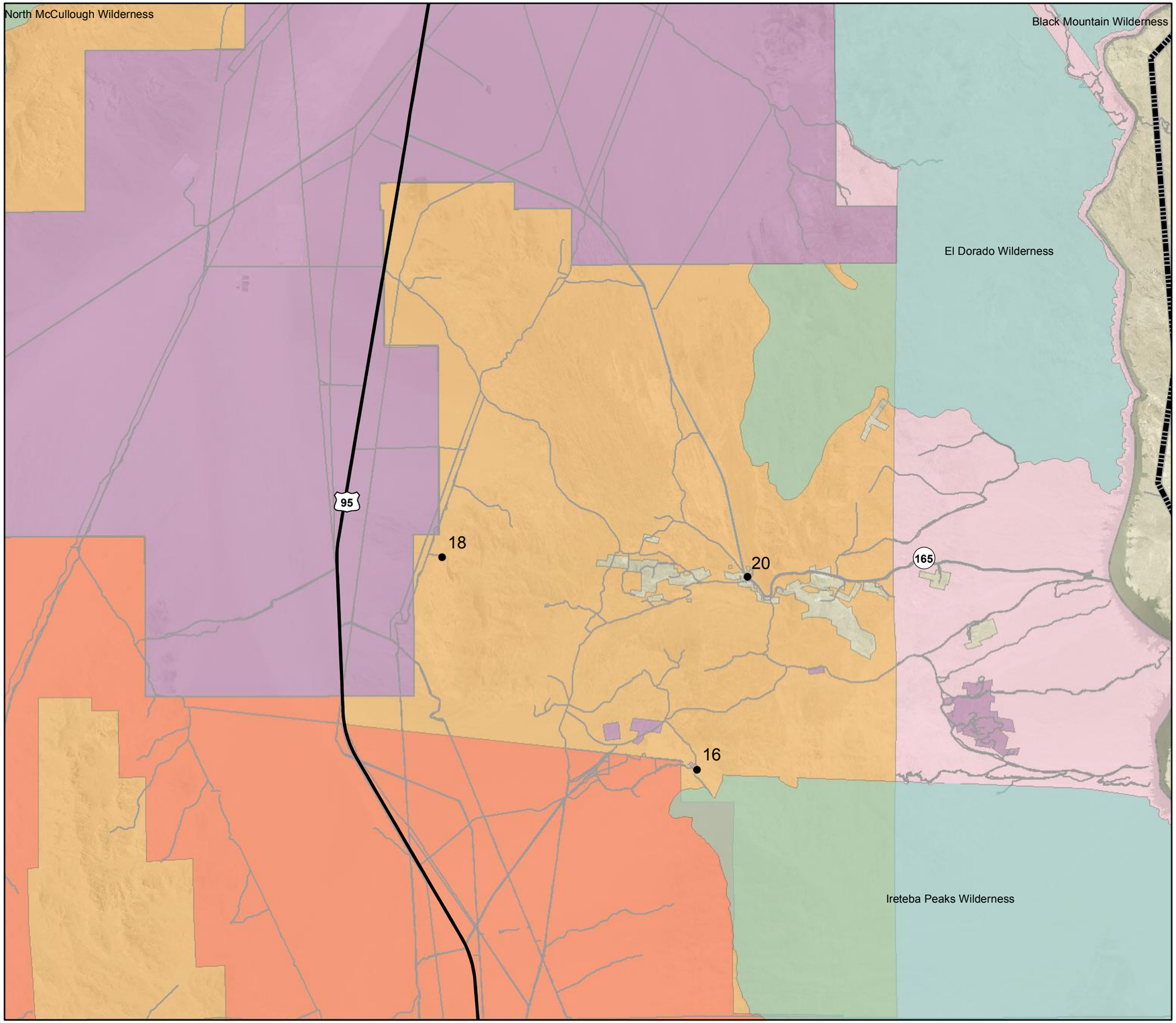
N

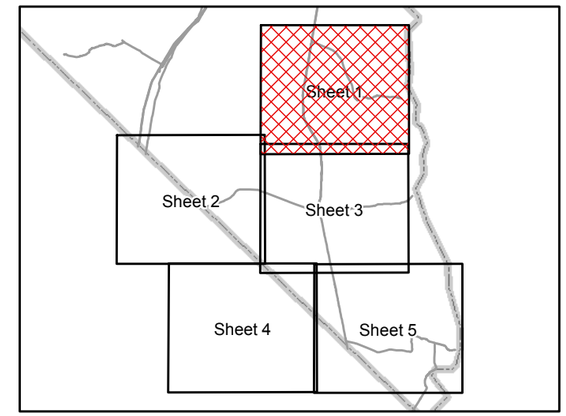
0 2.5 5 10 15 Miles

Searchlight Trail Study

FIGURE #12

ACEC / Important Local Connections
Enlargement 1





Legend

Point of Interest
- 1 - Lucy Grey Mine
- 2 - Walking Box Ranch
- 3 - Searchlight Well S2
- 4 - Six Mile Coral
- 5 - Goldenrod Mine
- 6 - Viceroy Open Pit Mine
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- NDOT Borrow Pit
- ACEC
- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- National Park Service
- Nevada State
- Clark County and Private
- Street Centerline/Trail
- US 95
- State Boundary

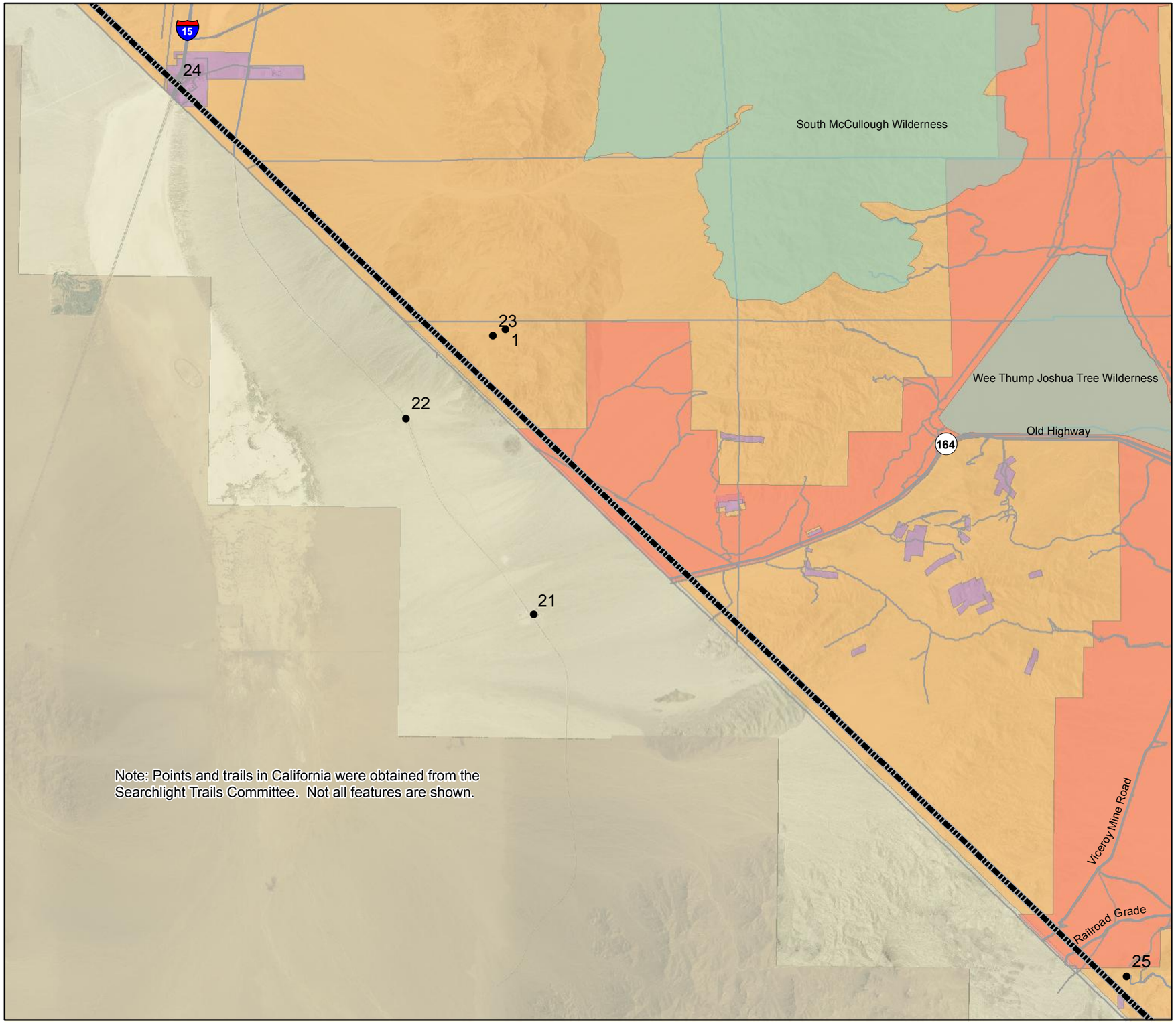
N

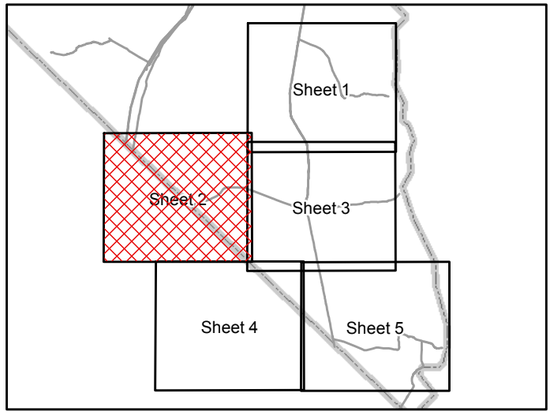
0 0.5 1 2 3 Miles

Searchlight Trail Study

FIGURE #13

ACEC / Important Local Connections
Enlargement 2





Legend

Point of Interest
- 1 - Lucy Grey Mine
- 2 - Walking Box Ranch
- 3 - Searchlight Well S2
- 4 - Six Mile Coral
- 5 - Goldenrod Mine
- 6 - Viceroy Open Pit Mine
- 7 - Mine Shaft
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- NDOT Borrow Pit
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- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- National Park Service
- Nevada State
- Clark County and Private
- Street Centerline/Trail
- US 95
- State Boundary

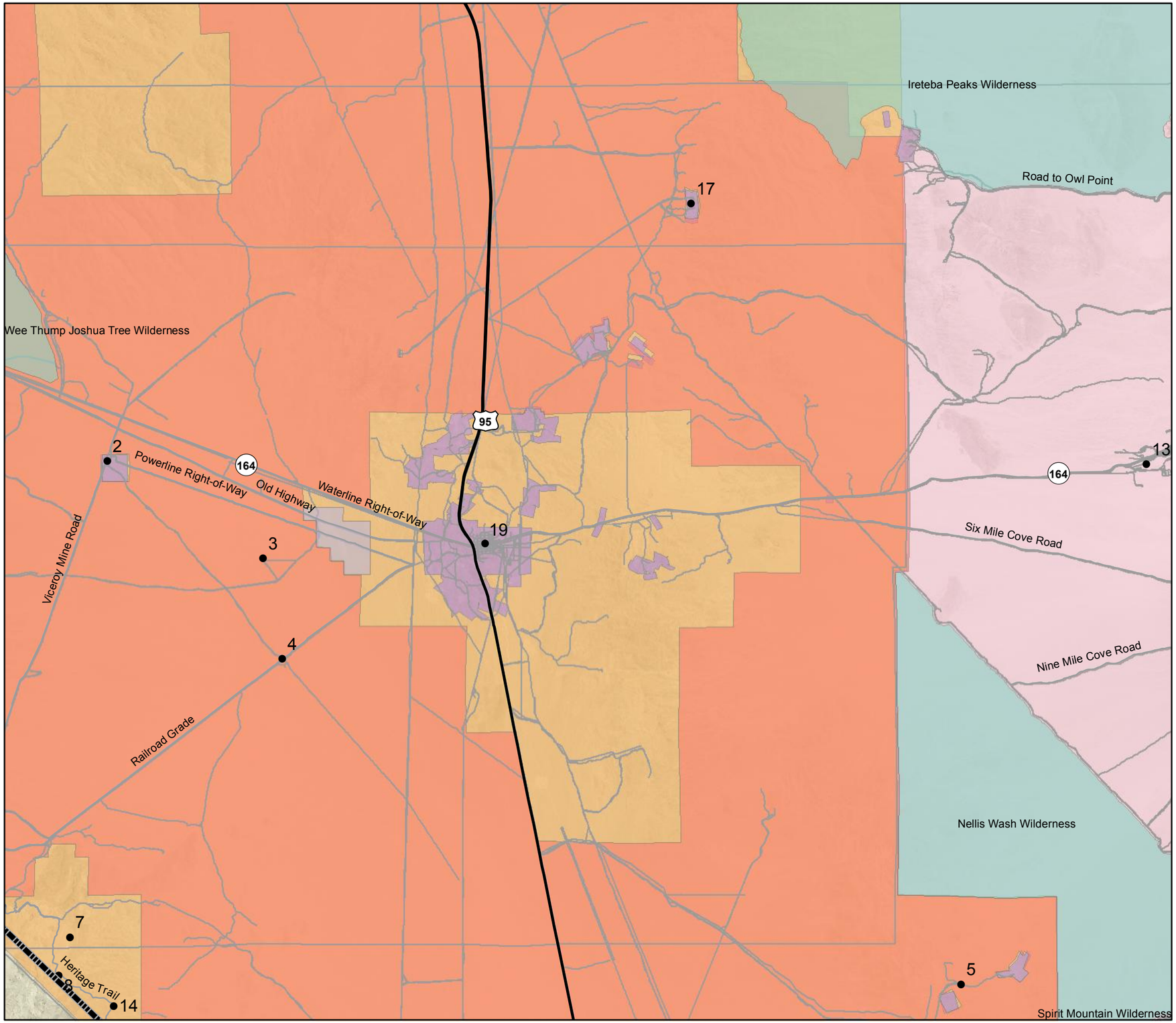
N

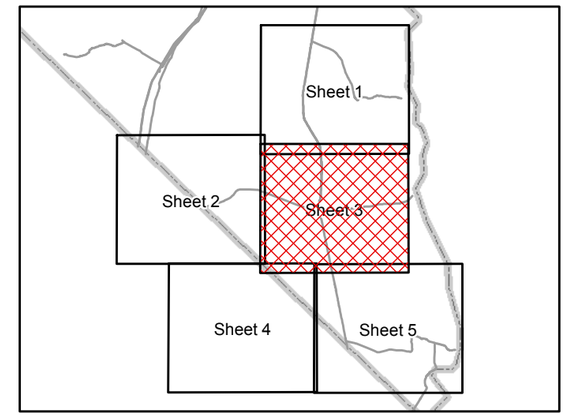
0 0.5 1 2 3 Miles

Searchlight Trail Study

FIGURE #14

ACEC / Important Local Connections
Enlargement 3





Legend

Point of Interest
- 1 - Lucy Grey Mine
- 2 - Walking Box Ranch
- 3 - Searchlight Well S2
- 4 - Six Mile Coral
- 5 - Goldenrod Mine
- 6 - Viceroy Open Pit Mine
- 7 - Mine Shaft
- 8 - Heritage Mailbox 1
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- 28 - Palm Gardens
- 29 - Laughlin
- 30 - Barnwell

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- Loran-C, U.S. Coast Guard
- NDOT Borrow Pit
- ACEC
- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- National Park Service
- Nevada State
- Clark County and Private
- Street Centerline/Trail
- US 95
- State Boundary

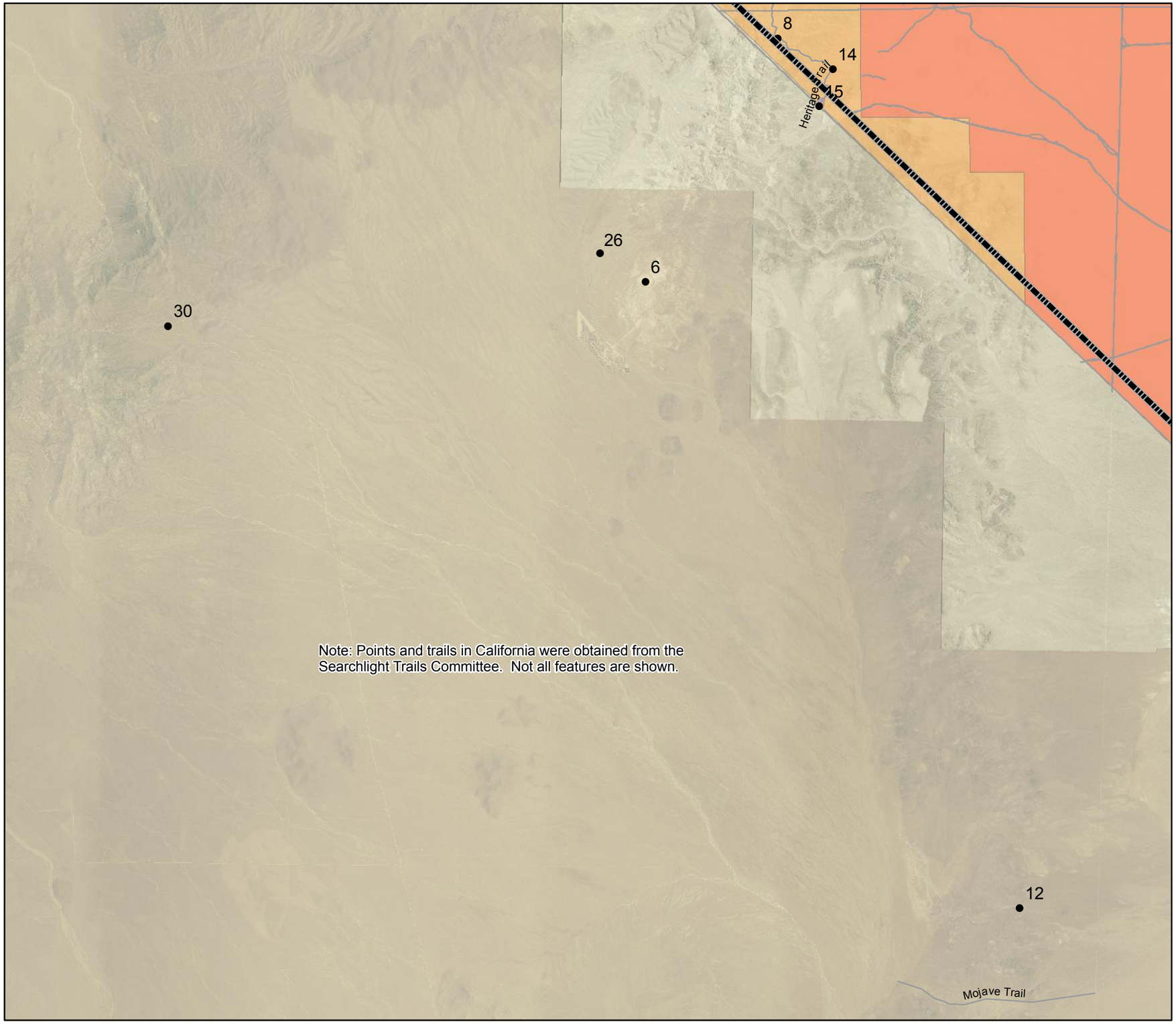
N

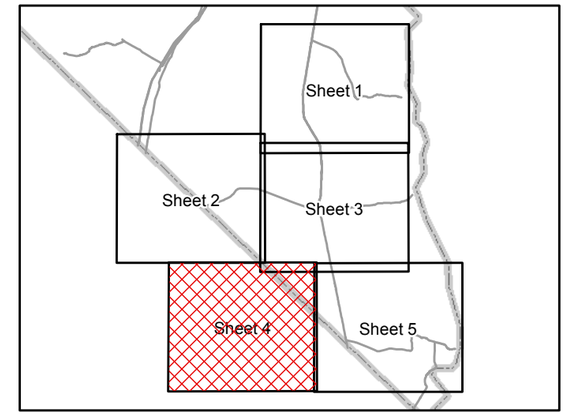
0 0.5 1 2 3 Miles

Searchlight Trail Study

FIGURE #15

ACEC / Important Local Connections
Enlargement 4





Legend

Point of Interest
- 1 - Lucy Grey Mine
- 2 - Walking Box Ranch
- 3 - Searchlight Well S2
- 4 - Six Mile Coral
- 5 - Goldenrod Mine
- 6 - Viceroy Open Pit Mine
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- 27 - Cal-Nev-Ari
- 28 - Palm Gardens
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- Wilderness Area
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- NDOT Borrow Pit
- ACEC
- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- National Park Service
- Nevada State
- Clark County and Private
- Street Centerline/Trail
- US 95
- State Boundary

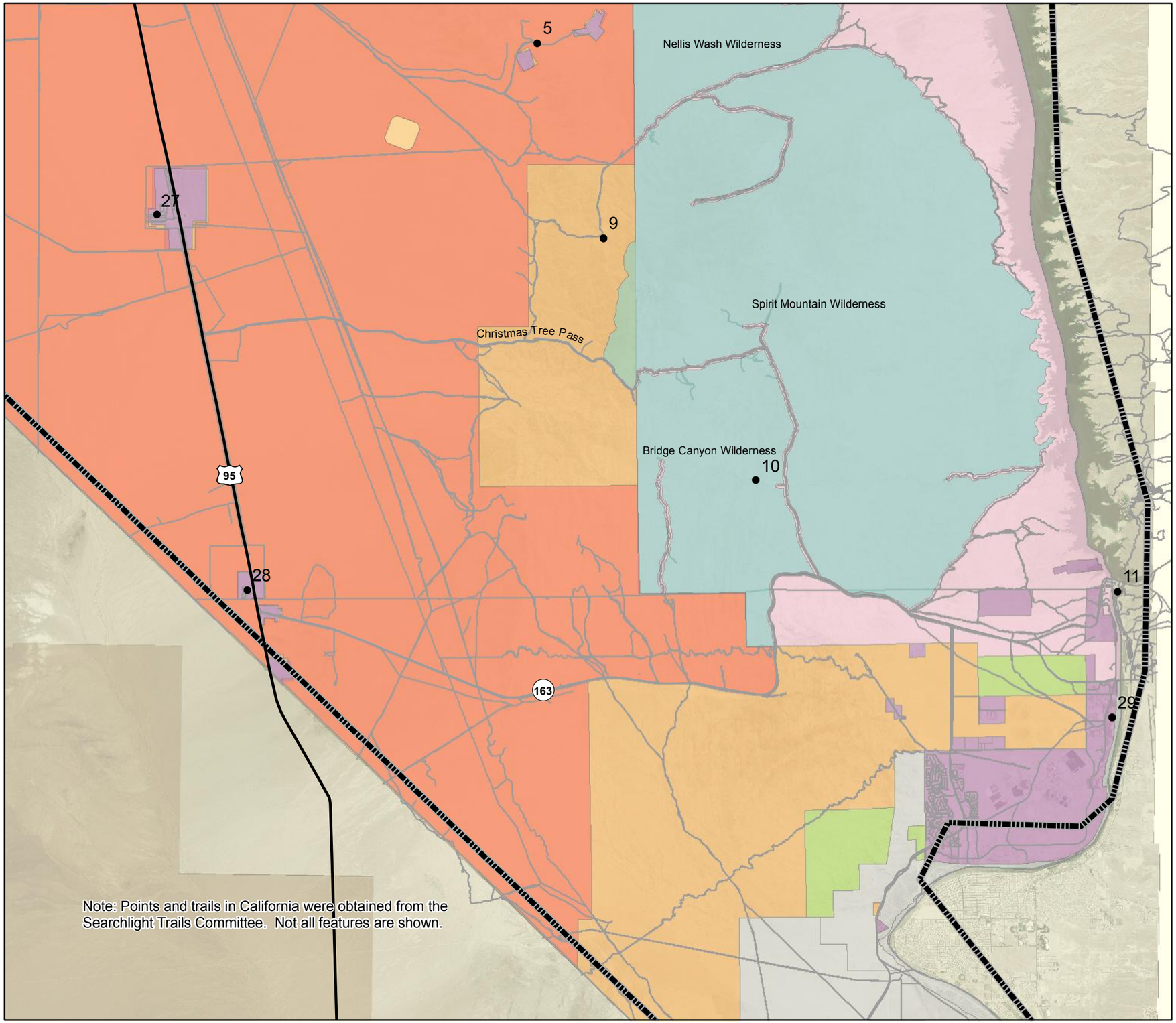
N

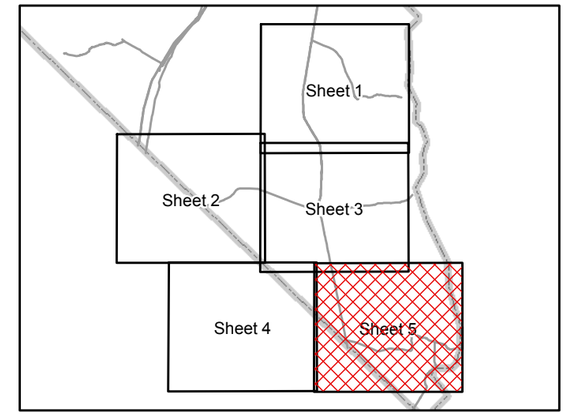
0 0.5 1 2 3 Miles

Searchlight Trail Study

FIGURE #16

ACEC / Important Local Connections
Enlargement 5





Legend

Point of Interest
- 1 - Lucy Grey Mine
- 2 - Walking Box Ranch
- 3 - Searchlight Well S2
- 4 - Six Mile Coral
- 5 - Goldenrod Mine
- 6 - Viceroy Open Pit Mine
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- 9 - Gravel Pit
- 10 - Grapevine Canyon
- 11 - Davis Dam
- 12 - Fort Paiute (approx.)
- 13 - Camp Cottonwood Cove Marina
- 14 - Heritage Trail Connection
- 15 - Heritage Trail to California
- 16 - Knob Hill
- 17 - Louisville Mine Lakeview
- 18 - Keyhole Canyon

Town/City
- 19 - Searchlight
- 20 - Nelson
- 21 - Nipton
- 22 - Desert
- 23 - Sunrise (Ghost Town)
- 24 - Primm
- 25 - Juan (Historic)
- 26 - Hart
- 27 - Cal-Nev-Ari
- 28 - Palm Gardens
- 29 - Laughlin
- 30 - Barnwell

- Wilderness Area
- Loran-C, U.S. Coast Guard
- NDOT Borrow Pit
- ACEC
- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation
- National Park Service
- Nevada State
- Clark County and Private
- Street Centerline/Trail
- US 95
- State Boundary

N

0 0.5 1 2 3 Miles

STRATEGY 1: PROVIDE CONNECTIONS TO LOCAL ATTRACTIONS

The following pages include maps (Figures 17 – 20) that illustrate the proposed locations of the neighborhood muti-use trails. Locations were determined by available ROW and constructibility.

COTTONWOOD COVE ROAD - 4000′

Cottonwood Cove Road connects US 95 from the downtown area and ends approximately one mile east of community center. This is the main street through the residential area and is a heavily traveled connector to Lake Mead. Trails between US 95 and the community center should be developed first to improve safety for trail users.

WATERSPOUT STREET - 3000′

Waterspout Street runs east/west and could provide an alternative connection between the residential area and the community center while avoiding the heavy traffic of Cottonwood Cove Road.

ENCINITAS STREET - 3000′/HARRY REID ROAD - 1000′

Encinitas Street runs east/west and could provide an alternative connection between the residential areas, park, and community center while avoiding the heavy traffic of Cottonwood Cove Road. Eastern sections of the road are unimproved County ROW and could accomodate the proposed trail along the edge of right-of-way.

MAIN STREET - 2000′

Main Street connects the north and south residential areas across Cottonwood Cove Road. At the north connection between Main Street and Waterspout Street there is a potential for a view station that overlooks the entire town (located within unused ROW).

NIPTON ROAD (SR 164) - 5000′

Nipton Road runs west from US 95 past the historic site of Walking Box Ranch. This area is rarely used by pedestrians and should be part of a future trail system.

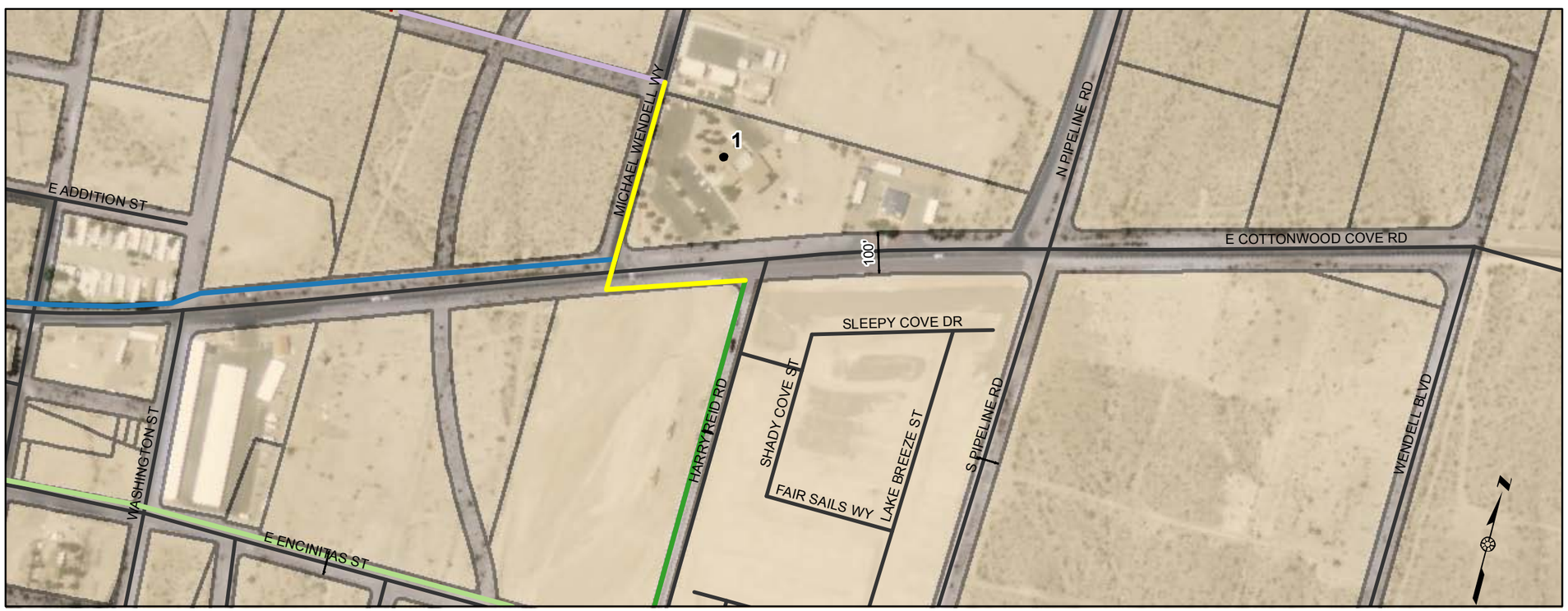
HOBSON STREET - 4000′

Hobson Street runs west from US 95 through a historic section of Town. This is a smaller residential area and should be part of a future trail system.

LINCOLN STREET - 1000′

Lincoln street connects the park with Cottonwood Cove Road, Encinitas Street, and Hobson Street. Many of the local residents use the park on a daily basis.

Cottonwood Cove Road



Searchlight Trail Study

FIGURE #17

Neighborhood Multi-Use Trail Map
Main Street and Cottonwood Cove

Legend

- 1 - Community Center
- 2 - Park
- 3 - Skate Park
- 5 - Apartment Complex
- 7 - Nugget Casino

5' Proposed Multi-Use Trail

- Community Center connection
- Cottonwood Cove Road
- Encinitas Street
- Harry Reid Road
- Lincoln Street
- Main Street
- Nipton Road - SR 164
- Waterspout Street
- Parcels

0 150 300 600 Feet

Kimley-Horn and Associates, Inc.

Waterspout Street Connection

Encinitas Street Connection

Searchlight Trail Study

FIGURE #18

Neighborhood Multi-Use Trail Map
Waterspout Street / Encinitas Street

Legend

- 1 - Community Center
- 2 - Park
- 5 - Apartment Complex
- 10 - Potential Lookout
- 5' Proposed Multi-Use Trail
- Community Center connection
- Cottonwood Cove Road
- Encinitas Street
- Harry Reid Road
- Hobson Street
- Lincoln Street
- Main Street
- North Lookout Connection
- Waterspout Street
- Proposed Connection
- Parcels

N

0 150 300 600 Feet

Kimley-Horn and Associates, Inc.

Searchlight Trail Study

FIGURE #19

Neighborhood Multi-Use Trails
Nipton Road / Hobson Street

Nipton Road (SR 164)

Hobson Street

Legend

- 2 - Park
- 3 - Skate Park
- 4 - Post Office
- 7 - Nugget Casino
- 8 - Senior Center
- 10 - Potential Lookout

5' Proposed Multi-Use Trail

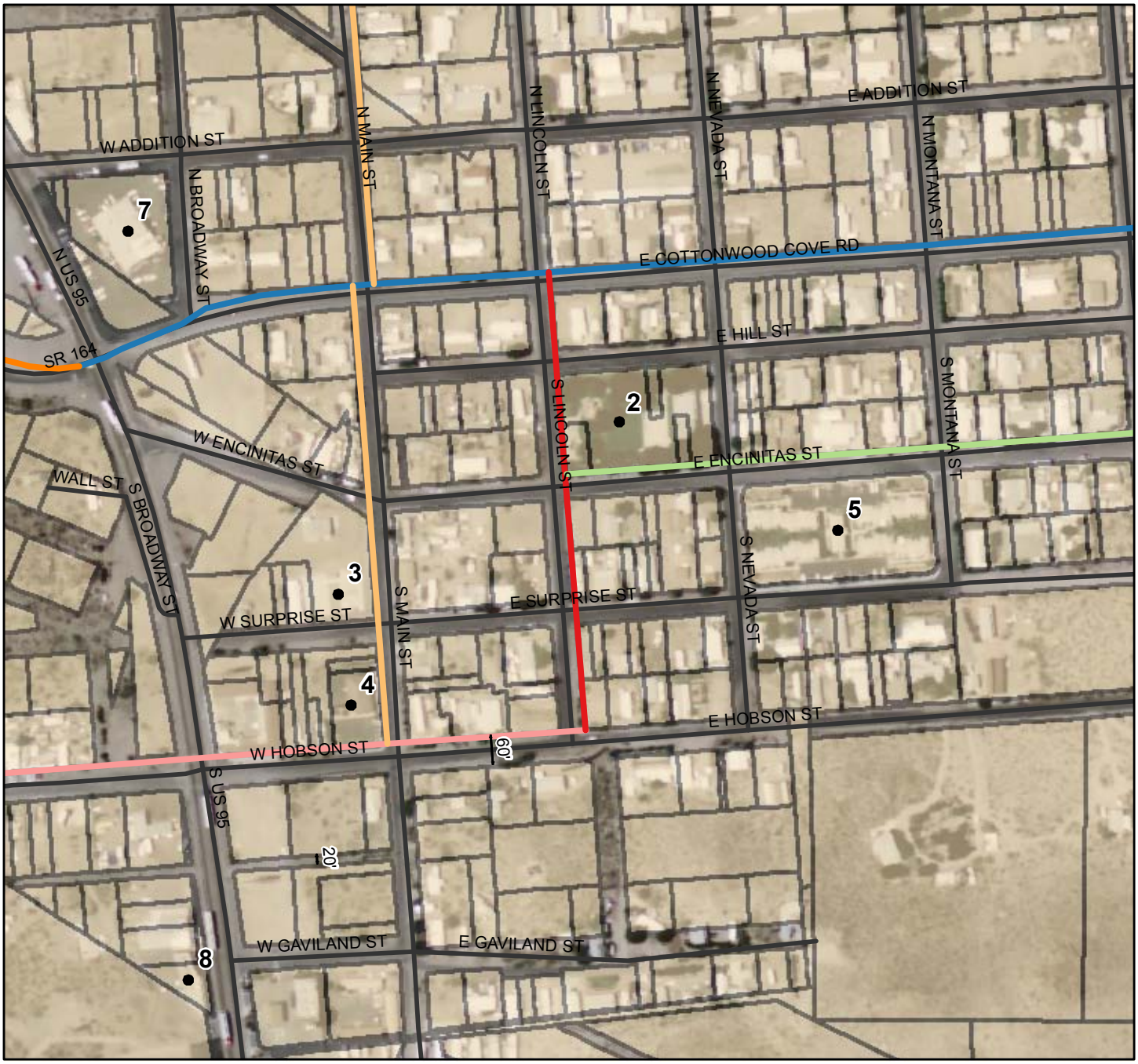
- Cottonwood Cove Road
- Encinitas Street
- Hobson Street
- Lincoln Street
- Main Street
- Nipton Road - SR 164
- Waterspout Street
- Parcels

N

0 150 300 600 Feet

Kimley-Horn and Associates, Inc.

Lincoln Street



Legend

- 2 - Park
- 3 - Skate Park
- 4 - Post Office
- 5 - Apartment Complex
- 7 - Nugget Casino
- 8 - Senior Center

5' Proposed Multi-Use Trail

- Cottonwood Cove Road
- Encinitas Street
- Hobson Street
- Lincoln Street
- Main Street
- Nipton Road - SR 164
- Parcels

Searchlight Trail Study

FIGURE #20
Neighborhood Multi-Use Trails
Lincoln Street

N

0 150 300 600 Feet

Kimley-Horn and Associates, Inc

Proposed Trail Cross-Sections

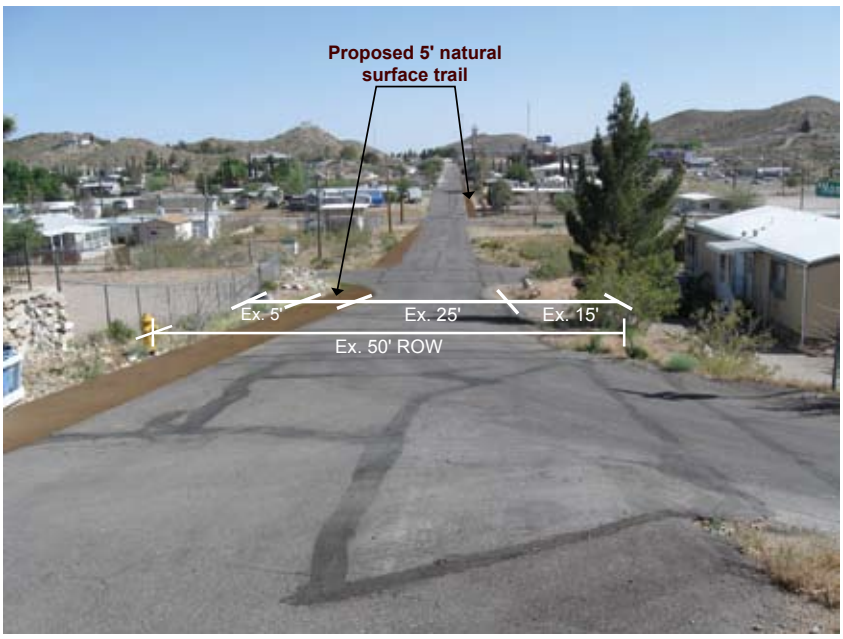
Cottonwood Cove - Looking East at Washington Street

Cottonwood Cove - Looking East Between Main Street and Washington Street

Waterspout Street - Looking West

Proposed Trail Cross-Sections

Encinitas Street - Looking East



Main Street - Looking South

STRATEGY 2: PROTECT CONNECTIONS TO SURROUNDING AREA ATTRACTIONS

Area of Critical Environmental Concern (ACEC) connection areas are located where existing designated routes connect to the ACEC limits. The following project area map and coordinates table give locations for these areas. In subsequent pages, we have also included enlargement maps of the connections to the local attractions. Each area will be reserved for possible signage, educational kiosks, and trail preservation. Each location is associated with existing trails that lead into key areas or points of interest that the local community enjoys. Many of these areas and locations are outside the project limits.

The existing trails in the areas immediately surrounding Searchlight that are shown within this plan are off highway vehicle (OHV) roads and trails that were established by OHV use over time. Although this plan was developed through coordination with the BLM, inclusion of these trails within this plan does not infer a BLM designation. Existing BLM designated routes within this area are shown on Map 4 of 9 of the Progression Maps on page 22 .

The BLM will be preparing a Recreational Area Management Plan (RAMP) in the next few years that will include a review and designation of trails in the area surrounding Searchlight. The BLM RAMP development will comply with BLM regulations and include an Environmental Impact Statement that includes public involvement in the development of their plan. It is expected that a significant number of the existing trails will be designated within the BLM RAMP. The BLM will evaluate if particular existing trails are duplicative in nature and/or if some trails should be designated for motorized versus non motorized use. This evaluation will also include reviews on the impacts of the trails on the natural resources within the area.

ACEC/IMPORTANT LOCAL CONNECTIONS MAP

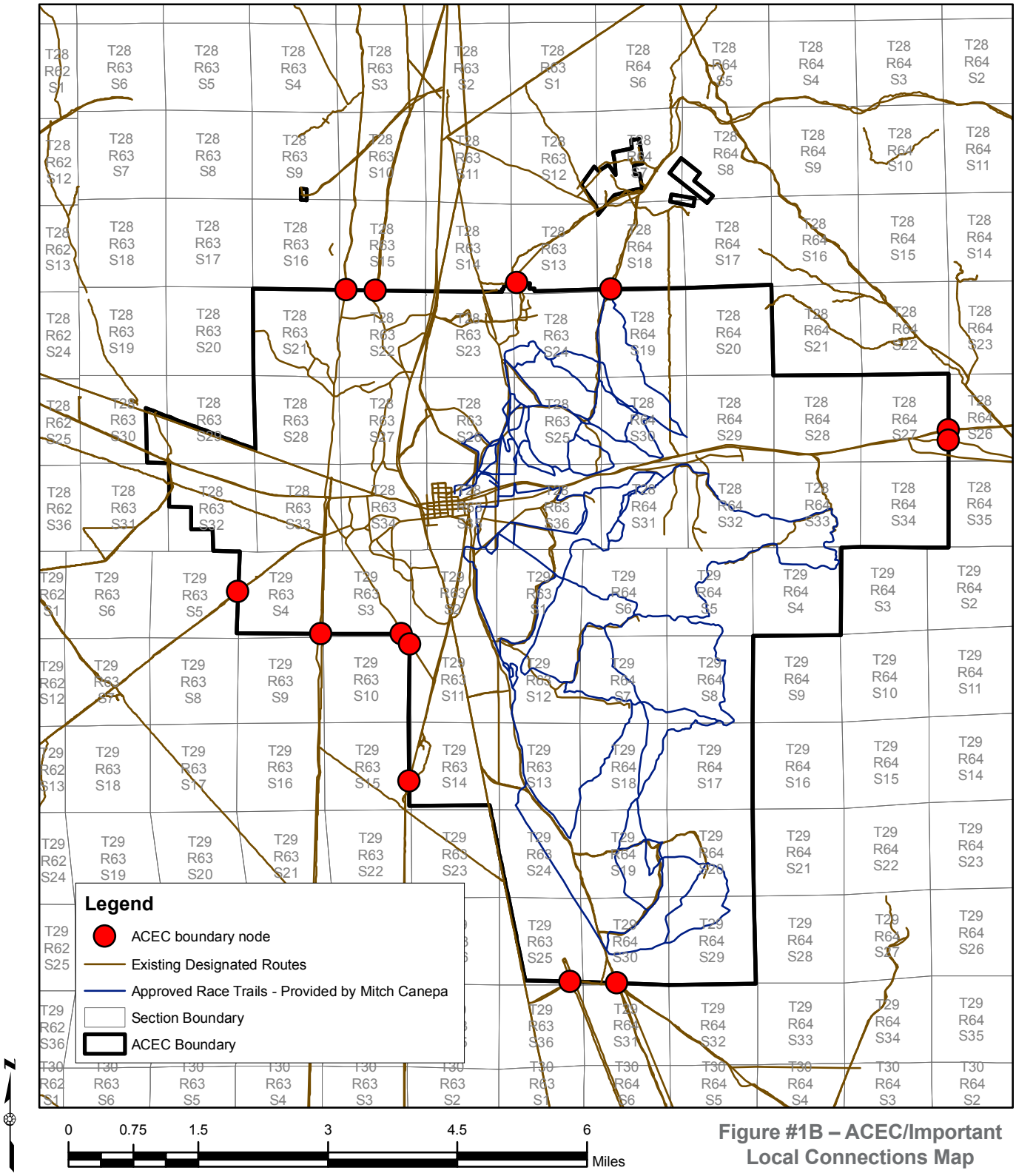


Figure #1B – ACEC/Important Local Connections Map

Area of Critical Environmental Concern (ACEC)/ Trails Interface Nodes

Preliminary Legal Descriptions

Based on Aliquot Parcel Breakdown/Fractional Sectional Areas

Node #	Legal Description	Approximate Dimension (feet)
1	N1/2, NW1/4, NE1/4, NW1/4, NW1/4, SEC 19, T28S,R64E, MDBM	165 X 330
2	SE1/4, SE1/4, NE1/4, NE1/4, SE1/4, SEC 27, T28S, R64E, MDBM	165 X 165
2	NE1/4, NE1/4, SE1/4, NE1/4, SE1/4, SEC 27, T28S, R64E, MDBM	165 X 165
3	SE1/4, SE1/4, SE1/4, NE1/4, SE1/4, SEC 27, T28S, R64E, MDBM	165 X 165
3	NE1/4, NE1/4, NE1/4, SE1/4, SE1/4, SEC 27, T28S, R64E, MDBM	165 X 165
4	S1/2, SW1/4, SE1/4, SE1/4, SW1/4, SEC 30, T29S, R64E, MDBM	165 X 330
5	SE1/4, SW1/4, SE1/4, SE1/4, SEC 25, T29S, R63E, MDBM	330 X 330
6	W1/2, NW1/4, NW1/4, SW1/4, SEC 14, T29S, R63E, MDBM	330 X 660
6	W1/2, SW1/4, NW1/4, SW1/4, SEC 14, T29S, R63E, MDBM	330 X 660
7	W1/2, NW1/4, NW1/4, NW1/4, SEC 11, T29S, R63E, MDBM	330 X 660
7	W1/2, SW1/4, NW1/4, NW1/4, SEC 11, T29S, R63E, MDBM	330 X 660
8	S1/2, SE1/4, SE1/4, SE1/4, SEC 3, T29S, R63E, MDBM	330 X 660
9	SE1/4, SE1/4, SE1/4, SE1/4, SEC 4, T29S, R63E, MDBM	330 X 330
10	W1/2, SW1/4, SW1/4, NW1/4, SEC 4, T29S, R63E, MDBM	330 X 660
11	N1/2, NW1/4, NW1/4, NW1/4, SEC 22, T28S, R63E, MDBM	660 X 330
12	N1/2, NE1/4, NE1/4, NW1/4, SEC 22, T28S, R63E, MDBM	330 X 660
13	N1/2, SW1/4, SW1/4, SW1/4, SEC 13, T28S, R63E, MDBM	330 X 660

Table 2

Note: The areas provided are given using basic metes and bounds calculations. The areas provided are over-sized for the connections or uses suggested due to the angle some trails cross the ACEC boundary and also the locations of the ACEC Boundary itself is difficult to determine in the field. More specific locations will need to be verified in the field with survey equipment and approved by BLM to ensure no construction affects lands within the ACEC Boundary.

Interface Nodes Signage

Each node could have a customized information trail sign. We have included some simulations below of how they may be designed. The signage could contain an informational trail map, BLM information, and any salient facts about the specific area. A Searchlight Trails logo could also be created to unify the signage and trail routes. See logo examples below.

Seachlight Trail Logo Options

Figure #20

PLAN IMPLEMENTATION COST ESTIMATE

This plan recognizes that there is an extensive network of existing trails within the area surrounding the Town of Searchlight that are currently being used. We do not recommend any construction or maintenance for these trails. Any minor maintenance that is needed can be completed by local residents.

The implementation of the plan focuses on designating trail nodes along the key existing trails that enter the ACEC and establishing local trails in the Town of Searchlight within existing roadway rights-of-way. The trail nodes will be established through a right of use easement between Clark County and the BLM, which designates these areas for trail use with no designated cost. The only cost associated with the implementation of this plan is associated with the designation of trails along the local roadway network within the town of Searchlight. This is broken into two phases. The first phase includes the grading of a five-foot natural surface trail along the alignments identified in this plan. The second phase involves the conversion of these trails from natural surface to asphalt.

ITEM	QUANTITY	MEASUREMENT	UNIT COST		COST	
			Phase 1	Phase 2	Phase 1	Phase 2
5-Foot Trail	23000	LF	$5	$15	$115,000	$345,000
Scenic Lookout	2	EA	$15,000		$30,000	
Intersection Signing and Marking	40	EA	$2,000		$80,000	
Associated Construction Costs (20%)	1	LS			$45,000	$91,000
					$270,000 *Sub-Total*	*$546,000 Sub-Total*
					$54,000 *Contingency (20%)*	$109,200 *Contingency (20%)*
					$324,000 TOTAL	**$655,200 TOTAL**

TRAIL ALIGNMENT	LENGTH	MEASUREMENT	COST	
			Phase 1	Phase 2
Cottonwood Cove Road	4000	LF	$20,000	$60,000
Main Street	2000	LF	$10,000	$30,000
Waterspout Street	3000	LF	$15,000	$45,000
Encinitas Street	3000	LF	$15,000	$45,000
Harry Reid Road	1000	LF	$5,000	$15,000
Nipton Road	5000	LF	$25,000	$75,000
Hobson Street	4000	LF	$20,000	$60,000
Lincoln Street	1000	LF	$5,000	$15,000
			$115,000 TOTAL	**$345,000 TOTAL**

Table 1 - Implementation Cost: Present Year

A cost inflation rate of 4% per year is projected for this project. Construction cost in Southern Nevada has fluctuated greatly both up and down over the last 10 years and will need to continue to be evaluated as economic conditions change in the future. The 4% construction cost inflation rate is consistent with the rate currently used by the Nevada Department of Transportation (NDOT) and Metropolitan Planning Organizations in Nevada. Per Dennis Taylor with NDOT Planning, this 4% rate was developed based on a Western Region Consumer Price Index average over the last 10 years of 3.4%.

Table 1A - Implementation Cost: Future Years

YEAR	INFLATION RATE	PHASE 1 COST	PHASE 2 COST
Present	N/A	$324,000	$655,200
2010	4%	$336,960	$681,408
2011	4%	$350,438	$708,664
2012	4%	$364,456	$737,011
2013	4%	$379,034	$766,491
2014	4%	$394,196	$797,151