

Appendix N: Mixed-Use Analysis

Engineering Report

Analysis of Operational Maintenance

Level 3 Roads for Motorized Mixed Use

Designation

For purposes of this analysis the maintenance level 3 roads proposed for mixed use on the Forest were divided into 7 groups by geographical area. These 7 geographical areas are shown on the map in Appendix “A”. The areas were delineated based on entry points to the Forest and geographical similarity of the area the roads are located in. The seven geographical areas are as follows;

1. South Warners – The Warner Mountain Ranger District South of the South Warner Wilderness.
2. Central Warners – The Warner Mountain Ranger District North of Jess Valley and South of Cedar Pass Road (SH 299).
3. North Warners - The Warner Mountain Ranger District North of the Cedar Pass Road (SH 299).
4. The Devils Garden and Doublehead Ranger Districts East of State Highway 139.
5. The Doublehead and Big Valley Ranger Districts West of State Highway 299 and County Road 91.
6. The Devils Garden and Big Valley Ranger Districts East of County Road 91 and South of State Highway 139.
7. The Big Valley Ranger District South of Adin and West of State Highway 139.

An analysis was done separately for each of the above areas. The reports follow.

Analysis Area 1 - South Warners – The Warner Mountain Ranger District South of the South Warner Wilderness.

Forest: **Modoc** District: **Warner Mountains**

ID	NAME	BMP	EMP	LENGTH	TSL	OB ML	OP ML
38N07	Mosquito Creek	0	4.65	4.65	C	3	3
38N30AB	Unnamed	0	0.03	0.03	D	3	3
39N01	South Warner	5.8	20	14.2	C	3	3
39N01C	East Creek Trailhead	0	0.4	0.4	D	3	3
39N12	Long Valley Ridge	0	2.9	2.9	C	3	3
39N15	Long Valley	0	1.6	1.6	D	3	3
39N28	Patterson Guard Station	0	0.2	0.2	C	3	3
39N28A	Patterson Campground	0	0.355	0.355	D	3	3

Maintenance by: **FS** Non-Forest Service ROW or jurisdiction? Yes No

Any road use agreements, maintenance agreements, or other encumbrances?
 Yes No

Description of agreements or encumbrances: None

Subject to Highway Safety Act? Yes No

Non-highway-legal vehicles currently permitted? Yes No

Is motorized mixed use consistent with State and local laws? Yes No

Description of road management objectives, existing use, and proposed use:
Roads are currently open to all motor vehicles. Primary Use is recreation with access to the South Warner Wilderness and other scenic areas. Other uses include logging, fuelwood cutting, grazing, hunting, fishing and fire suppression. No changes are proposed for use of the roads in the area.

Summary of Findings:

Motorized mixed use currently occurs on all of these roads in the analysis area. There is no accident history. Traffic volumes are low. Sight distances are generally long. The roads are wide with adequate runout space in the ditches or shoulders. Anticipated average speeds are 35 mph or less. These factors lead to the conclusion that the probability of a crash is low, and the severity of a crash is likely to be moderate.

Factors Considered:

1. Operator considerations:

Prudent operators in compliance with the California Vehicle Code and other applicable laws and regulations is assumed.

2. Crash history:

There is no crash history available for any of the roads in this analysis area.

3. Traffic volume and type:

Non-highway-legal vehicles:

< 12 inch tread width < 50 inch tread width >50 inch tread width

Highway-legal vehicles:

Passenger cars Commercial vehicles Recreation vehicles (RV's)

Traffic counts were done at the intersection of the South Warner Road 39N01 and the Blue Lake Road 38N30. Almost all of the traffic using the roads in this analysis area enter or leave the area through this intersection.. Traffic was counted during ten separate periods of 1 to 4 hours. The time periods counted included mornings and evenings, and weekdays and weekends. Traffic was counted for a total of 30.5 hours. 202 vehicle were counted going through this intersection, for an average of less than 7 vehicles per hour. Of the 202 vehicles counted there was one ATV, 5 bicycles, and the remainder were cars, pickups, or SUV's. See traffic count summary in Appendix B & details in Appendix C traffic count log.

4. Speed - Anticipated average speed (85th percentile):

Anticipated average speeds on these roads is 35 mph or less.

5. Road surface type:

All of the roads listed above have either crushed aggregate or cinder surfacing.

6. Intersections with other roads and trails:

Numerous intersections throughout the analysis area. See attached map in Appendix A.

7. Other roadway factors:

The roads listed above are all relatively wide. They were constructed as single lane roads, and are shown on our inventory as single lane roads. However past maintenance practices have widened most of these roads to approximately 18 to 20 feet. Sight distance is adequate for the anticipated average speed on all of these roads.

8. Roadside conditions:

The listed roads all have an inside ditch that can be driven into with most vehicles in an emergency.

9. Risk without mitigation:

Crash probability: High Med Low

Crash severity: High Med Low

Mitigation Measures:

None.

Conclusion:

Currently mixed use is allowed on these roads. Nothing found during this analysis indicates that a change to the current use is needed.

Analysis Area 2 - Central Warners – The Warner Mountain Ranger District North of Jess Valley and South of Cedar Pass Road (SH 299).

Forest: **Modoc** District: **Warner Mountains**

ID	NAME	BMP	EMP	LENGTH	TSL	OB ML	OP ML
40N24	Cherry Creek	0	8.3	8.3	C	3	3
40N25	Soup Spring	0	0.34	0.34	C	3	3
40N25A	Soup Spring Campground	0	0.2	0.2	D	3	3
40N25AA	Soup Cg Corrals	0	0.1	0.1	D	3	3
42N05	West Warner	12.6	26.7	14.1	C	3	3
42N31	Deep Creek-Parker	1.4	17.1	15.7	C	3	3
42N79	Pepperdine Camp	0	0.6	0.6	D	3	3
43N24A	Cedar Pass West Campground	0	0.3	0.3	D	3	3
43N24B	Cedar Pass East Campground	0	0.2	0.2	D	3	3
42N79A	Pepperdine Campground	0	0.3	0.3	D	3	3

Maintenance by: **FS** Non-Forest Service ROW or jurisdiction? Yes No

Any road use agreements, maintenance agreements, or other encumbrances?
 Yes No

Description of agreements or encumbrances: None

Subject to Highway Safety Act? Yes No

Non-highway-legal vehicles currently permitted? Yes No

Is motorized mixed use consistent with State and local laws? Yes No

Description of road management objectives, existing use, and proposed use:
Roads are currently open to all motor vehicles. Primary Use is recreation with access to the South Warner Wilderness and other scenic areas. Other uses include logging, fuelwood cutting, grazing, hunting, fishing, and fire suppression. No changes are proposed for use of the roads in the area.

Summary of Findings:

Motorized mixed use currently occurs on all of these roads in the analysis area. There is no accident history. Traffic volumes are low. Sight distances are generally long. The roads are wide with adequate runout space in the ditches or shoulders. Anticipated average speeds are 35 mph or less. These factors lead to the conclusion that the probability of a crash is low, and the severity of a crash is likely to be moderate.

Factors Considered:

1. Operator considerations:

Prudent operators in compliance with the California Vehicle Code and other applicable laws and regulations is assumed.

2. Crash history:

There is no crash history available for any of the roads in this analysis area.

3. Traffic volume and type:

Non-highway-legal vehicles:

< 12 inch tread width < 50 inch tread width >50 inch tread width

Highway-legal vehicles:

Passenger cars Commercial vehicles Recreation vehicles (RV's)

Traffic counts were done at the intersection of the West Warner Road 42N05 and the Parker Creek Road 42N31. Almost all of the traffic using the roads in this analysis area enter or leave the area through this intersection. Traffic was also counted on the Deep Creek Road at the Forest Boundary. Traffic was counted during ten separate periods of 1 to 4 hours. The time periods counted included mornings and evenings, and weekdays and weekends. Traffic was counted for a total of 22 hours. 33 vehicles were counted, for an average of less than 3 vehicles per hour at the Parker Creek location and less than one vehicle per hour in Deep Creek. Of the 33 vehicles counted there was one motorcycle, 1 bicycles, and the remainder were cars, pickups, or SUV's. See traffic count summary in Appendix B & details in Appendix C traffic count log.

4. Speed - Anticipated average speed (85th percentile):

Anticipated average speeds on these roads is 35 mph or less.

5. Road surface type:

All of the roads listed above have either crushed aggregate or cinder surfacing.

6. Intersections with other roads and trails:

Numerous intersections throughout the analysis area. See attached map in Appendix A.

7. Other roadway factors:

The roads listed above are all relatively wide. They were constructed as single lane roads, and are shown on our inventory as single lane roads. However past maintenance practices have widened most of these roads to approximately 18 to 20 feet. Sight distance is adequate for the anticipated average speed on all of these roads.

8. Roadside conditions:

The listed roads all have an inside ditch that can be driven into with most vehicles in an emergency.

9. Risk without mitigation:

Crash probability: High Med Low

Crash severity: High Med Low

Mitigation Measures:

None.

Conclusion:

Currently mixed use is allowed on these roads. Nothing found during this analysis indicates that a change to the current use is needed.

Analysis Area 3 - North Warners - The Warner Mountain Ranger District North of the Cedar Pass Road (SH 299).

Forest: **Modoc** District: **Warner Mountains**

ID	NAME	BMP	EMP	LENGTH	TSL	OB ML	OP ML
43N07A	STOUGH RESVR. CG	0	0.2	0.2	C	3	3
43N24	CEDAR PASS ACCESS	0	0.8	0.8	D	3	3
45N04	BENTON MEADOW	2.3	9.8	7.5	C	3	3
45N35	PLUM VALLEY	1.4	8.2	6.8	C	3	3
45N35A	PLUM VALLEY C G	0	0.2	0.2	D	3	3
46N06	COLD CREEK	0	12.2	12.2	C	3	3
46N06A	SUGAR HILL LO	0	1.8	1.8	D	3	3
46N09	BUCK CREEK G.S.	0	0.7	0.7	C	3	3
46N14	UNNAMED	0	0.25	0.25	D	3	3
46N14A	UNNAMED	0	0.15	0.15	D	3	3
46N30	LASSEN CREEK	2.4	31.2	28.8	C	3	3
46N63	PLANTATION	0	2.9	2.9	C	3	3
48N80	LILY LAKE DAY USE	0	0.2	0.2	D	3	3
48N81	CAVE LAKE C G	0	0.4	0.4	D	3	3

Maintenance by: **FS** Non-Forest Service ROW or jurisdiction? Yes No

Any road use agreements, maintenance agreements, or other encumbrances?
 Yes No

Description of agreements or encumbrances: None

Subject to Highway Safety Act? Yes No

Non-highway-legal vehicles currently permitted? Yes No

Is motorized mixed use consistent with State and local laws? Yes No

Description of road management objectives, existing use, and proposed use: Roads are currently open to all motor vehicles. Primary Use is recreation. Other uses include logging, fuelwood cutting, grazing, mining (primarily obsidian), hunting, fishing, and fire suppression. No changes are proposed for use of the roads in the area.

Summary of Findings:

Motorized mixed use currently occurs on all of these roads in the analysis area. There is no accident history. Traffic volumes are low. Sight distances are generally long. The roads are wide with adequate runout space in the ditches or shoulders. Anticipated average speeds are 35 mph or less. These factors lead to the conclusion that the probability of a crash is low, and the severity of a crash is likely to be moderate.

Factors Considered:

1. Operator considerations:

Prudent operators in compliance with the California Vehicle Code and other applicable laws and regulations is assumed.

2. Crash history:

There is no crash history available for any of the roads in this analysis area.

3. Traffic volume and type:

Non-highway-legal vehicles:

< 12 inch tread width < 50 inch tread width >50 inch tread width

Highway-legal vehicles:

Passenger cars Commercial vehicles Recreation vehicles (RV's)

Traffic counts were done at the intersection on the Plumb Valley Road 45N35 and the Dismal Swamp Road 48N21. These are two of the highest use roads within the analysis area. Traffic was counted during eight separate periods of 1 to 4 hours. The time periods counted included mornings and evenings, and weekdays and weekends. Traffic was counted for a total of 27 hours. 43 vehicles were counted, for an average of less than 3 vehicles per hour on the Plumb Valley Road and less than one vehicle per hour at Dismal Swamp. Of the 43 vehicles counted there was one Recreational Vehicle, the remainder were cars, pickups, or SUV's. See traffic count summary in Appendix B & details in Appendix C traffic count log.

4. Speed - Anticipated average speed (85th percentile):

Anticipated average speeds on these roads is 35 mph or less.

5. Road surface type:

All of the roads listed above have either crushed aggregate or cinder surfacing.

6. Intersections with other roads and trails:

Numerous intersections throughout the analysis area. See attached map in Appendix A.

7. Other roadway factors:

The roads listed above are all relatively wide. They were constructed as single lane roads, and are shown on our inventory as single lane roads. However past maintenance practices have widened most of these roads to approximately 18 to 20 feet. Sight distance is adequate for the anticipated average speed on all of these roads.

8. Roadside conditions:

The listed roads all have an inside ditch that can be driven into with most vehicles in an emergency.

9. Risk without mitigation:

Crash probability: High Med Low

Crash severity: High Med Low

Mitigation Measures:

None.

Conclusion:

Currently mixed use is allowed on these roads. Nothing found during this analysis indicates that a change to the current use is needed.

Analysis Area 4 - Devils Garden and Doublehead Ranger Districts East of State Highway 139.

Forest: **Modoc** District: **Devils Garden & Doublehead**

ID	NAME	BMP	EMP	LENGTH	TSL	OB ML	OP ML
43N36	RESERVOIR F	0	6.5	6.5	C	3	3
44N02	HACKAMORE RES	0	8.2	8.2	C	3	3
44N03A	BIG SAGE CG	0	0.2	0.2	C	3	3
44N11	BOLES	0	14.8	14.8	D	3	3
44N32	RESERVOIR C	0	0.7	0.7	D	3	3
44N59	MOWITZ WELL	0	0.3	0.3	D	3	3
44N78	RESVR C CG	0	0.2	0.2	D	3	3
45N09	OTH RADAR	0	5.94	5.94	B	3	3
45N09A	UNNAMED	0	5.3	5.3	D	3	3
46N08	BLUE MOUNTAIN LO	0	1.5	1.5	D	3	3
46N10	MOWITZ	0	30.7	30.7	C	3	3
47N06	CARR BUTTE	6.7	17.2	10.5	C	3	3
47N09H	GREEN SPRING RESV	0	0.6	0.6	D	3	3
47N11	ENQUEST RESERVOIR	0	3.6	3.6	C	3	3
47N16	CROWDER GS	0	0.2	0.2	D	3	3
47N37	HOUSEHOLDER RESERV	0	3.4	3.4	D	2	3
47N97	KELLOGG MTN	0	1.2	1.2	D	2	3
48N08	CROWDER FLAT	0	9.6	9.6	C	3	3
48N08E	JANES RESVR	0	0.3	0.3	C	3	3
48N11	OLD STATE LINE	0	6.2	6.2	C	3	3
48N19A	UNNAMED	0	0.25	0.25	D	3	3
48N28	MULDOON	0	2.4	2.4	C	2	3
48N70	FOUR MILE	0	12.2	12.2	C	3	3

Maintenance by: **FS** Non-Forest Service ROW or jurisdiction? Yes No

Any road use agreements, maintenance agreements, or other encumbrances?

Yes No

Description of agreements or encumbrances: None

Subject to Highway Safety Act? Yes No

Non-highway-legal vehicles currently permitted? Yes No

Is motorized mixed use consistent with State and local laws? Yes No

Description of road management objectives, existing use, and proposed use:
Roads are currently open to all motor vehicles. Primary uses are recreation, logging, fuelwood cutting, grazing, hunting, fishing, and fire suppression. No changes are proposed for use of the roads in the area.

Summary of Findings:

Motorized mixed use currently occurs on all of these roads in the analysis area. There is no accident history. Traffic volumes are low. Sight distances are generally long. The roads are wide with adequate runout space in the ditches or shoulders. Anticipated average speeds are 35 mph or less. These factors lead to the conclusion that the probability of a crash is low, and the severity of a crash is likely to be moderate.

Factors Considered:

1. Operator considerations:

Prudent operators in compliance with the California Vehicle Code and other applicable laws and regulations is assumed.

2. Crash history:

There is no crash history available for any of the roads in this analysis area.

3. Traffic volume and type:

Non-highway-legal vehicles:

< 12 inch tread width < 50 inch tread width >50 inch tread width

Highway-legal vehicles:

Passenger cars Commercial vehicles Recreation vehicles (RV's)

Traffic counts were done at the 7 different locations at the main entry points to the analysis area.. The time periods counted included mornings and evenings, and weekdays and weekends. Traffic was counted for a total of 175 hours, in 53 different counting periods. 223 vehicles were counted, for an average of less than 1.5 vehicles per hour. Of the 213 vehicles counted there was four ATV's, the remainder were cars, pickups, or SUV's. See traffic count summary in Appendix B & details in Appendix C traffic count log.

4. Speed - Anticipated average speed (85th percentile):

Anticipated average speeds on these roads is 35 mph or less.

5. Road surface type:

All of the roads listed above have either crushed aggregate or cinder surfacing.

6. Intersections with other roads and trails:

Numerous intersections throughout the analysis area. See attached map in Appendix A.

7. Other roadway factors:

The roads listed above are all relatively wide. They were constructed as single lane roads, and are shown on our inventory as single lane roads. However past maintenance practices have widened most of these roads to approximately 18 to 20 feet. Sight distance is adequate for the anticipated average speed on all of these roads. The terrain in this area is predominantly flat.

8. Roadside conditions:

The listed roads all have an inside ditch that can be driven into with most vehicles in an emergency.

9. Risk without mitigation:

Crash probability: High Med Low

Crash severity: High Med Low

Mitigation Measures:

None.

Conclusion:

Currently mixed use is allowed on these roads. Nothing found during this analysis indicates that a change to the current use is needed.

Analysis Area 5 - The Doublehead and Big Valley Ranger Districts West of State Highway 299 and County Road 91.

Forest: **Modoc** District: **Devils Garden & Doublehead**

ID	NAME	BMP	EMP	LENGTH	TSL	OB ML	OP ML
41N06	LAVA WELL	0	0.3	0.3	D	2	3
42N03	LONG BELL	0	12.9	12.9	C	3	3
42N10	ROUND MTN. MAIN	0	3.2	3.2	C	3	3
42N10	ROUND MTN. MAIN	4.9	5.5	0.6	C	3	3
42N10A	ROUND MTN. MAIN	0	0.9	0.9	C	3	3
42N23	MAC'S SOUTH MAIN	0	8.2	8.2	C	3	3
42N24	PAYNES	0	1.7	1.7	C	3	3
42N56	MUD SPRING	0	29.1	29.1	C	3	3
42N68	LONG BELL G.S.	0	0.2	0.2	C	3	3
43N12	LOST LOOP	0	3.4	3.4	C	3	3
43N14	SOUTH CONNECTOR	0	5.1	5.1	C	3	3
43N17	PAYNES CREEK	0	3	3	C	3	3
43N21	ALCOHOL CRATER	0	2.5	2.5	C	2	3
43N42	UNDERTAKER	0	1.1	1.1	D	3	3
43N44	MEDICINE TRAILER DUMP	0	0.1	0.1	C	3	3
43N47B	SCHONCHIN SPRING	0	0.3	0.3	D	3	3
43N48	MEDICINE LAKE	0	4.7	4.7	C	3	3
43N54	SHOTGUN PEAK NORTH	0	4.7	4.7	C	3	3
43N58A	HEMLOCK CG LOOP	0	0.03	0.03	C	3	3
43N99	LYONS PEAK	3.3	9.05	5.95	C	3	3
44N01	COUGAR BUTTE	0	13.8	13.8	C	3	3
44N19	TIMBER MTN LO	1.4	3.5	2.1	C	3	3
44N60	TIONESTA WELL	0	0.2	0.2	D	3	3
44N75	MEDICINE LAKE	8.6	10.8	2.2	B	5	3

ID	NAME	BMP	EMP	LENGTH	TSL	OB ML	OP ML
44N75C	MEDICINE WELL	0	0.2	0.2	D	3	3
44N77	BENCH	0	10.5	10.5	C	2	3

Maintenance by: **FS** Non-Forest Service ROW or jurisdiction? Yes No

Any road use agreements, maintenance agreements, or other encumbrances?

Yes No

Description of agreements or encumbrances: None

Subject to Highway Safety Act? Yes No

Non-highway-legal vehicles currently permitted? Yes No

Is motorized mixed use consistent with State and local laws? Yes No

Description of road management objectives, existing use, and proposed use:
Roads are currently open to all motor vehicles. Primary uses are recreation, logging, fuelwood cutting, grazing, hunting, fishing, and fire suppression. No changes are proposed for use of the roads in the area.

Summary of Findings:

Motorized mixed use currently occurs on all of these roads in the analysis area. There is no accident history. Traffic volumes are low. Sight distances are generally long. The roads are wide with adequate runout space in the ditches or shoulders. Anticipated average speeds are 35 mph or less. These factors lead to the conclusion that the probability of a crash is low, and the severity of a crash is likely to be moderate.

Factors Considered:

1. Operator considerations:

Prudent operators in compliance with the California Vehicle Code and other applicable laws and regulations is assumed.

2. Crash history:

There is no crash history available for any of the roads in this analysis area.

3. Traffic volume and type:

Non-highway-legal vehicles:

< 12 inch tread width < 50 inch tread width >50 inch tread width

Highway-legal vehicles:

Passenger cars Commercial vehicles Recreation vehicles (RV's)

Traffic counts were done at the 5 different locations at the main entry points to the analysis area.. The time periods counted included mornings and evenings, and weekdays and weekends. Traffic was counted for a total of 85 hours, in 27 different counting periods. 259 vehicles were counted, for an average of less than 3.5 vehicles per hour. Of the 259 vehicles counted there was 7 motorcycles, 6 Truck/Tractors, the remainder were cars, pickups, or SUV's. See traffic count summary in Appendix B & details in Appendix C traffic count log.

4. Speed - Anticipated average speed (85th percentile):

Anticipated average speeds on these roads is 35 mph or less.

5. Road surface type:

All of the roads listed above have either crushed aggregate or cinder surfacing.

6. Intersections with other roads and trails:

Numerous intersections throughout the analysis area. See attached map in Appendix A.

7. Other roadway factors:

The roads listed above are all relatively wide. They were constructed as single lane roads, and are shown on our inventory as single lane roads. However past maintenance practices have widened most of these roads to approximately 18 to 20 feet. Sight distance is adequate for the anticipated average speed on all of these roads.

8. Roadside conditions:

The listed roads all have an inside ditch that can be driven into with most vehicles in an emergency.

9. Risk without mitigation:

Crash probability: High Med Low

Crash severity: High Med Low

Mitigation Measures:

None.

Conclusion:

Currently mixed use is allowed on these roads. Nothing found during this analysis indicates that a change to the current use is needed.

Analysis Area 6 - The Devils Garden and Big Valley Ranger Districts East of County Road 91 and South of State Highway 139.

Forest: **Modoc** District: **Devils Garden & Doublehead**

ID	NAME	BMP	EMP	LENGTH	TSL	OB ML	OP ML
37N07	WILLOW CREEK CG	0	0.15	0.15	D	3	3
37N11	WILLIAMS RES	0	1	1	D	3	3
37N11	WILLIAMS RES	5.7	10	4.3	D	3	3
38N04	HUNSINGER FLAT	0	10.1	10.1	C	3	3
38N46	FOSTER SPRING	0	11.7	11.7	C	3	3
38N47	ASH CREEK C G	0	0.1	0.1	D	3	3
39N17	DUTCH FLAT	0	8	8	C	3	3
39N50	KNOX FLAT	0	13.37	13.37	C	3	3
40N05	RUSH CREEK	0	2.1	2.1	C	3	3
40N05A	RUSH CREEK CG LOWER	0	0.3	0.3	D	3	3
40N05B	RUSH CREEK CG UPPER	0	0.2	0.2	D	3	3
40N07	YELLOWJACKET SPR	0	1.6	1.6	C	2	3
40N11	FOX MOUNTAIN	0	10.9	10.9	C	3	3
40N12	HOSKINS SPRING	0	6.6	6.6	C	3	3
40N13	NILES SPRING	0	3.6	3.6	C	3	3
40N22	HUNTERS RIDGE	0	21.3	21.3	C	3	3
40N22R	SHORTYS SPRING	0	0.1	0.1	D	2	3
40N27	RYAN RIDGE	0	5.8	5.8	C	2	3
40N33	MESSENGER GULCH	0	9.4	9.4	C	3	3
40N37	RATTLESNAKE BUTTE	0	5.86	5.86	D	3	3
40N41	MAZ-CAL TIE	0	1.2	1.2	D	3	3
41N11	RONEY FLAT	0	17.6	17.6	C	3	3
41N34	CANYON CREEK	0	7.665	7.665	C	3	3
41N44	PIT RIVER	0	15.4	15.4	C	3	3
41N47	HARRIS SPRING	0	4.3	4.3	C	3	3
42N46	HAPPY CAMP LO	0	3.3	3.3	C	3	3

Maintenance by: **FS** Non-Forest Service ROW or jurisdiction? Yes No

Any road use agreements, maintenance agreements, or other encumbrances?

Yes No

Description of agreements or encumbrances: None

Subject to Highway Safety Act? Yes No

Non-highway-legal vehicles currently permitted? Yes No

Is motorized mixed use consistent with State and local laws? Yes No

Description of road management objectives, existing use, and proposed use:
Roads are currently open to all motor vehicles. Primary uses are recreation logging, fuelwood cutting, grazing, hunting, fishing, and fire suppression. No changes are proposed for use of the roads in the area.

Summary of Findings:

Motorized mixed use currently occurs on all of these roads in the analysis area. There is no accident history. Traffic volumes are low. Sight distances are generally long. The roads are wide with adequate runout space in the ditches or shoulders. Anticipated average speeds are 35 mph or less. These factors lead to the conclusion that the probability of a crash is low, and the severity of a crash is likely to be moderate.

Factors Considered:

1. Operator considerations:

Prudent operators in compliance with the California Vehicle Code and other applicable laws and regulations is assumed.

2. Crash history:

There is no crash history available for any of the roads in this analysis area.

3. Traffic volume and type:

Non-highway-legal vehicles:

< 12 inch tread width < 50 inch tread width >50 inch tread width

Highway-legal vehicles:

Passenger cars Commercial vehicles Recreation vehicles (RV's)

Traffic counts were done at the 2 different locations at entry points to the analysis area.. The time periods counted included mornings and evenings, and weekdays and weekends. Traffic was counted for a total of 40 hours, in 13 different counting periods. 13 vehicles were counted, for an average of less than 0.5 vehicles per hour. Of the 13 vehicles counted there was one motorcycle, the remainder were cars, pickups, or SUV's. See traffic count summary in Appendix B & details in Appendix C traffic count log.

4. Speed - Anticipated average speed (85th percentile):

Anticipated average speeds on these roads is 35 mph or less.

5. Road surface type:

All of the roads listed above have either crushed aggregate or cinder surfacing.

6. Intersections with other roads and trails:

Numerous intersections throughout the analysis area. See attached map in Appendix A.

7. Other roadway factors:

The roads listed above are all relatively wide. They were constructed as single lane roads, and are shown on our inventory as single lane roads. However past maintenance practices have widened most of these roads to approximately 18 to 20 feet. Sight distance is adequate for the anticipated average speed on all of these roads.

8. Roadside conditions:

The listed roads all have an inside ditch that can be driven into with most vehicles in an emergency.

9. Risk without mitigation:

Crash probability: High Med Low

Crash severity: High Med Low

Mitigation Measures:

None.

Conclusion:

Currently mixed use is allowed on these roads. Nothing found during this analysis indicates that a change to the current use is needed.

Analysis Area 7 - Big Valley Ranger District South of Adin and West of State Highway 139.

Forest: **Modoc** District: **Devils Garden & Doublehead**

ID	NAME	BMP	EMP	LENGTH	TSL	OB ML	OP ML
38N54	CARY SPRING	0	22	22	C	3	3
38N54A	MEYER FLAT WELL	0	0.1	0.1	D	2	3
38N54E	SNAG HILL L.O.	0	0.3	0.3	C	3	3

Maintenance by: **FS** Non-Forest Service ROW or jurisdiction? Yes No

Any road use agreements, maintenance agreements, or other encumbrances?

Yes No

Description of agreements or encumbrances: None

Subject to Highway Safety Act? Yes No

Non-highway-legal vehicles currently permitted? Yes No

Is motorized mixed use consistent with State and local laws? Yes No

Description of road management objectives, existing use, and proposed use:
Roads are currently open to all motor vehicles. Primary uses are recreation, logging, fuelwood cutting, grazing, hunting, fishing, and fire suppression. No changes are proposed for use of the roads in the area.

Summary of Findings:

Motorized mixed use currently occurs on all of these roads in the analysis area. There is no accident history. Traffic volumes are low. Sight distances are generally long. The roads are wide with adequate runout space in the ditches or shoulders. Anticipated average speeds are 35 mph or less. These factors lead to the conclusion that the probability of a crash is low, and the severity of a crash is likely to be moderate.

Factors Considered:

1. Operator considerations:

Prudent operators in compliance with the California Vehicle Code and other applicable laws and regulations is assumed.

2. Crash history:

There is no crash history available for any of the roads in this analysis area.

3. Traffic volume and type:

Non-highway-legal vehicles:

< 12 inch tread width < 50 inch tread width >50 inch tread width

Highway-legal vehicles:

Passenger cars Commercial vehicles Recreation vehicles (RV's)

Traffic counts were done on the Cary Springs Road 38N54 at the Forest Boundary. This is one of the primary entrances to the analysis area. The time periods counted included mornings and evenings, and weekdays and weekends. Traffic was counted for a total of 10 hours, in 4 different counting periods. 7 vehicles were counted, for an average of less than 1 vehicles per hour. Of the 7 vehicles counted there were two fire engines, the remainder were cars, pickups, or SUV's. See traffic count summary in Appendix B & details in Appendix C traffic count log.

4. Speed - Anticipated average speed (85th percentile):

Anticipated average speeds on these roads is 35 mph or less.

5. Road surface type:

All of the roads listed above have either crushed aggregate or cinder surfacing.

6. Intersections with other roads and trails:

Numerous intersections throughout the analysis area. See attached map in Appendix B.

7. Other roadway factors:

The roads listed above are all relatively wide. They were constructed as single lane roads, and are shown on our inventory as single lane roads. However past maintenance practices have widened most of these roads to approximately 18 to 20 feet. Sight distance is adequate for the anticipated average speed on all of these roads.

8. Roadside conditions:

The listed roads all have an inside ditch that can be driven into with most vehicles in an emergency.

9. Risk without mitigation:

Crash probability: High Med Low

Crash severity: High Med Low

Mitigation Measures:

None.

Conclusion:

Currently mixed use is allowed on these roads. Nothing found during this analysis indicates that a change to the current use is needed.

Appendix “B”

Traffic Count Summary

Date	Location	Start Time	End Time	# of veh.	Hours	veh/hr ave
7/13/2008	Parker Creek	11:00 AM	13:00 PM	8	2	4.0
7/14/2008	Parker Creek	8:30 AM	10:35 AM	7	2	3.5
7/20/2008	Parker Creek	13:10 PM	15:10 PM	1	2	0.5
6/21/2008	2-Deep Creek	14:15 PM	16:15 PM	5	2	2.5
6/26/2008	2	14:05 PM	16:00 PM	0	2	0.0
6/29/2008	2	7:30 AM	10:45 AM	8	3	2.7
7/6/2008	2	7:15 AM	9:30 AM	4	2	2.0
7/11/2008	2	8:35	11:45 AM	3	3	1.0
7/12/2008	2	7:30 AM	9:30 AM	0	2	0.0
7/25/2008	2	7:30 AM	9:45 AM	0	2	0.0
6/20/2008	3 - Blue Lake	15:30 PM	18:30 Pm	15	3	5.0
6/20/2008	3 - South Warner	15:30	18:30	19	3	6.3
6/22/2008	3	10:30 AM	12:00 PM	16	1.5	10.7
6/22/2008	3	16:00 PM	17:30 PM	13	1.5	8.7
6/28/2008	3	14:00 PM	16:00 PM	10	2	5.0
7/3/2008	3 - Blue Lake	13:10 PM	17:10 PM	29	4	7.3
7/3/2008	3 - S. Warner	13:10 PM	17:10 PM	40	4	10.0
7/11/2008	3 - Blue Lake	8:25 AM	12:25 PM	22	4	5.5
7/11/2008	3 - South Warner	8:25 AM	12:25 PM	30	4	7.5
7/25/2008	3 - Blue Lake	8:50 AM	12:20 PM	11	3.5	3.1
7/25/2008	3 - South Warner	8:50 AM	12:20 PM	12	3.5	3.4
6/21/2008	4 - Plumb Valley	8:00 AM	12:00 PM	11	4	2.8
6/21/2008	4 - Intersection	8:00 AM	12:00 PM	10	4	2.5
7/27/2008	4	8:00 AM	12:00 PM	10	4	2.5
6/28/2008	5-Dismal Swamp	8:15 AM	11:38 AM	2	3.5	0.6
7/3/2008	5	9:00 AM	11:00 AM	4	2	2.0

Date	Location	Start Time	End Time	# of veh.	Hours	veh/hr ave
7/3/2008	5	16:00 PM	19:00 PM	1	3	0.3
7/13/2008	5	10:15 AM	12:15	2	4	0.5
7/18/2008	5	16:30 PM	19:00 PM	3	2.5	1.2
6/21/2008	6 - Crowder Flat	11:00 AM	15:00 PM	4	3	1.3
6/21/2008	6 - South Main	11:00 AM	15:00 PM	16	3	5.3
6/22/2008	6 - Crowder Flat	7:00 AM	11:00 AM	2	4	0.5
6/22/2008	6 - South Main	7:00 AM	11:00 AM	1	4	0.3
6/22/2008	6 - Crowder Flat	11:30 AM	15:30 AM	14	4	3.5
7/4/2008	6	7:55 AM	12:00 PM	5	4	1.3
7/13/2008	6	8:30 AM	12:30 PM	4	4	1.0
7/24/2008	6	18:00 PM	20:30 PM	4	2.5	1.6
7/26/2008	6	11:00 AM	14:00 PM	4	3	1.3
6/21/2008	7- Pencil Road	9:00 AM	12:00 PM	2	3	0.7
6/21/2008	7	14:00 PM	17:00 PM	2	3	0.7
6/26/2008	7	16:54 PM	19:05 PM	2	2	1.0
6/27/2008	7	5:51 AM	8:00 AM	0	2	0.0
7/3/2008	7	8:00 AM	13:00 PM	2	5	0.4
7/3/2008	7	13:00 PM	17:00 PM	0	4	0.0
6/20/2008	8	15:00 PM	18:00 PM	10	3	3.3
6/21/2008	8 - Logan Slough	6:30 AM	10:30 AM	2	4	0.5
6/21/2008	8 - Crowder Flat	6:30 AM	10:30 AM	5	4	1.3
6/28/2008	8 - Logan Slough	9:15 AM	12:15 PM	3	3	1.0
6/30/2008	8	16:56 PM	19:10 PM	0	2	0.0
7/2/2008	8	5:52 AM	7:55 AM	2	2	1.0
7/13/2008	8 - Logan Slough	14:15 PM	17:15 PM	4	3	1.3
7/13/2008	8 - Crowder Flat	14:15 PM	19:15 PM	15	5	3.0
7/26/2008	8 - Crowder Flat	10:15 AM	12:15 AM	9	2	4.5
7/26/2008	8 - Logan Slough	10:15 AM	12:15 PM	5	2	2.5
	8 - Intersection	6:30 AM	10:30 AM	7	4	1.8

Date	Location	Start Time	End Time	# of veh.	Hours	veh/hr ave
	8 - Crowder Flat	9:15 AM	12:15 PM	8	3	2.7
	8 - Logan Slough	12:15 PM	16:00 PM	3	4	0.8
	8 - Crowder Flat	12:15 PM	16:00 PM	12	4	3.0
7/10/2008	9	16:00 PM	19:00 PM	3	3	1.0
7/11/2008	9 - Mowitz Road	10:30 AM	13:30 PM	9	3	3.0
7/13/2008	9	13:45	16:45 PM	3	3	1.0
7/20/2008	9	9:15 AM	12:00 PM	2	3	0.7
7/20/2008	9	12:30 PM	15:30 PM	8	3	2.7
7/23/2008	9	9:30 AM	13:30 PM	11	4	2.8
7/5/2008	10- Hackamore Road	9:00 AM	12:00 PM	2	3	0.7
7/13/2008	10	17:00 PM	19:00 PM	0	2	0.0
7/16/2008	10	14:30 PM	16:30 PM	2	2	1.0
7/19/2008	10	8:30 AM	11:45 AM	0	3	0.0
7/19/2008	10	16:30 PM	19:00 PM	0	2.5	0.0
7/23/2008	10	15:00 PM	17:00 PM	4	2	2.0
7/12/2008	11 - Badger Well	15:35 PM	17:15 PM	2	2	1.0
7/18/2008	11	7:00 AM	12:00 PM	0	5	0.0
7/20/2008	11	13:15 PM	17:15 PM	2	4	0.5
7/27/2008	11	11:15 AM	14:15 PM	2	3	0.7
6/20/2008	12	8:15 AM	12:15 AM	5	4	1.3
6/27/2008	12 - Loveness	9:45 AM	13:43 PM	4	4.5	0.9
7/11/2008	12	13:30 PM	15:30 PM	0	2	0.0
7/13/2008	12	9:30 AM	12:00 PM	2	2.5	0.8
7/13/2008	12	12:00 PM	15:00 PM	0	3	0.0
7/5/2008	13	16:45 PM	19:30 PM	5	3	1.7
7/11/2008	13 - Pit River Road	8:15 AM	10:15 AM	5	2	2.5
7/18/2008	13	14:15 PM	16:30 PM	6	2	3.0
7/19/2008	13	8:30 AM	11:45 AM	3	3	1.0
7/19/2008	13	12:30 PM	15:30 PM	2	3	0.7

Date	Location	Start Time	End Time	# of veh.	Hours	veh/hr ave
7/21/2008	13	16:45 PM	19:30 PM	7	3	2.3
7/1/2008	14--Hunter Ridge	17:30 PM	20:00 PM	0	2.5	0.0
7/11/2008	14	8:00 AM	12:00 PM	0	4	0.0
7/19/2008	14	9:00 AM	11:30 AM	0	3	0.0
7/20/2008	14	8:15 AM	12:00 PM	0	4	0.0
7/25/2008	14	15:00 PM	17:15 PM	2	2	1.0
7/26/2008	14	7:45 AM	9:45 AM	0	2	0.0
7/26/2008	14	17:45 PM	19:45 PM	1	2	0.5
7/16/2008	15 - Mud Springs Road	16:45 PM	19:30 PM	3	3	1.0
7/19/2008	15	12:45 PM	16:15 PM	2	3.5	0.6
7/20/2008	15	7:00 AM	9:00 AM	2	2	1.0
7/23/2008	15	17:15 PM	19:15 PM	3	2	1.5
7/26/2008	15	9:00 AM	12:00 PM	5	3	1.7
7/6/2006	16 - Medicine Lake	14:00 PM	18:00 PM	44	4	11.0
6/27/2008	16	14:00 PM	18:00 PM	25	2	12.5
6/29/2008	16	9:15 AM	12:30 PM	11	3	3.7
7/3/2008	16	7:00 AM	13:00 PM	8	6	1.3
7/6/2008	16 - Cougar Butte	14:00 PM	18:00 PM	1	4	0.3
7/13/2008	16 - Cougar Butte	9:30 AM	12:30 PM	3	3	1.0
7/13/2008	16 - Medicine Lake	9:30	12:30	28	3	9.3
7/18/2008	16	7:00 AM	12:00 PM	9	5	1.8
7/18/2008	16	14:00 PM	19:00 PM	14	5	2.8
6/27/2008	17 - Cary Springs	9:00 AM	12:00 PM	3	3	1.0
6/27/2008	17	12:00 PM	14:00 PM	0	2	0.0
6/28/2008	17	7:30 AM	10:30	4	3	1.3
7/12/2008	17			0	2	0.0
6/22/2008	18 - 44N01	14:15 PM	17:15 PM	3	3	1.0
6/22/2008	18- Co. Rd. 97	14:15 PM	17:15 PM	25	3	8.3
7/20/2008	18 - Cougar Butte Rd	9:00 AM	13:00 PM	28	4	7.0

Date	Location	Start Time	End Time	# of veh.	Hours	veh/hr ave
7/27/2008	18	9:00 AM	11:00 AM	11	2	5.5
6/13/2008	19 - Ash Valley	10:00 AM	12:00 PM	0	2	0.0
6/13/2008	19 - Hunter's Ridge	10:00 AM	12:00 PM	1	2	0.5
7/11/2008	19	16:00 PM	19:00 PM	0	3	0.0
7/20/2008	19	12:15 AM	15:45 PM	0	3	0.0
7/20/2008	19	16:00 PM	18:15 PM	0	2	0.0
7/25/2008	19	17:15 PM	19:15 PM	0	2	0.0
7/11/2008	20	8:00 AM	15:00 PM	13	7	1.9
7/11/2008	20 - Backscatter Road	8:00 AM	15:00 PM	6	7	0.9
7/25/2008	20 - Clear Lake	9:00 AM	14:00 PM	4	5	0.8
7/25/2008	20 - Backscatter	9:00 AM	14:00 PM	0	5	0.0
			Totals	791	386	2.0

Appendix “C”

Traffic Count Log

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
6/13/2008	19 - Ash Valley	10:00 AM					NO vehicles
6/13/2008	19 - Hunter's Ridge	10:00 AM		11:11	SUV	West/Inbound	Work - Geothermal
6/20/2008	12	8:15 AM	12:15 AM	8:18	PickUp	Inbound	
				8:20	Flatbed PickUp	Inbound	Work - towing small cat.
				8:42	PickUp	Inbound	
				9:43	Flatbed PickUp	Outbound	Logging
				11:20	Flatbed PickUp	Outbound	Logging
6/20/2008	8	15:00 PM	18:00 PM	14:57	PickUp	South	Horse Trailer
				15:24	PickUp	South	Firewood gathering
				15:52	PickUp	South	Horse Trailer
				15:52	PickUp	South	Horse Trailer - SL Ranch
				15:52	PickUp	North	
				16:18	Jeep	North	Recreation
				16:28	PickUp	North	Hauling a camper
				17:15	PickUp	North	Hauling a small boat
				17:15	PickUp	North	
				17:36	PickUp	South	Law Enforcement Truck
6/20/2008	3 - Blue Lake	15:30 PM	18:30 Pm	15:42	PickUp w/boat	North	Recreation/Boating
				15:50	PickUp	South	Recreation
				16:02	PickUp	South	
				16:03	SUV	North	
				16:15	PickUp	South	Fishing (poles)
				16:18	PickUp	South	
				16:21	PickUp w/trailer	South	Rowboat and rafrt on trailer
				16:24	PickUp	South	
				16:58	PickUp	North	
				17:10	SUV w/boat	South	Camping and Fishing
				17:16	SUV	South	
				17:30	SUV	South	
				17:48	PickUp	South	
				18:17	SUV	North	same vehicle as 17:30 entry
				18:20	Bicycle	South	Recreation/Cycling
6/20/2008	3 - South Warner	15:30	18:30	15:30	PickUp	North West	
				15:38	PickUp w/	North West	Recreation/ ATV on trailer

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
					trailer		
				15:42	PickUp w/boat	North West	Recreation/Boating
				15:46	Bicycle	North West	Recreation/Cycling
				15:50	PickUp	East	Recreation
				16:02	PickUp		
				16:03	SUV	North West	
				16:15	PickUp	East	Fishing (poles)
				16:18	PickUp	East	
				16:21	PickUp w/trailer	East	Rowboat and raft on trailer, Camping (grill)
				16:24	PickUp	East	
				16:42	MiniVan	East	
				16:58	PickUp	North West	
				17:10	SUV w/boat	East	Camping and Fishing
				17:16	SUV	East	
				17:30	SUV	East	
				17:48	PickUp	East	
				18:17	SUV	East	same vehicle as 17:30 entry
				18:20	Bicycle	East	Recreation/Cycling (NOT same as 15:46)
6/21/2008	8 - Logan Slough	6:30 AM	10:30 AM	8:39	Automobile	East	Fishing
				9:00	Automobile	West	Fishing
	8 - Intersection	6:30 AM	10:30 AM	8:20	Automobile	North	
				8:36	PickUp w/trailer	North	Horse Trailer/Cattle
				8:39	Automobile	North	FireFighter
				8:39	Automobile	East	Fishing
				8:57	PickUp	North	
				9:00	Automobile	West	Return from Fishing
				9:07	FS PickUp	North	FireFighter
6/21/2008	8 - Crowder Flat	6:30 AM	10:30 AM	8:20	Automobile	North	
				8:36	PickUp w/trailer	North	Range
				8:38	Automobile	North	FireFighter
				8:51	PickUp	North	
				9:07	FS PickUp	North	FireFighter
6/21/2008	4 - Plumb Valley	8:00 AM	12:00 PM	8:14	PickUp w/camper	Outbound	Camping
				8:25	RV	Outbound	Camping
				8:50	PickUp	Inbound	
				10:03	MiniVan	Outbound	
				10:21	PickUp	Outbound	
				10:26	SUV	Outbound	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				10:41	Hatchback	Inbound	
				11:03	PickUp w/camper	Outbound	Camping - also had ATV
				11:12	SUV	Outbound	
				11:17	MDF PT 52	Inbound	FS Business
				11:30	MDF PT 52	Outbound	FS Business
6/21/2008	4 - Intersection	8:00 AM	12:00 PM	8:27	PickUp	South/Inbound	Purpose Not Evident
				8:35	SUV	South/Inbound	Camping
				8:50	PickUp	North/Outbound	Purpose Not Evident
				9:00	PickUp w/trailer	North/Outbound	Animal Trailer/Ranching
				10:21	PickUp	South/Inbound	Purpose Not Evident
				10:24	SUV	South/Inbound	Purpose Not Evident
				10:41	PickUp	South/Inbound	Liesure/Mine
				10:58	Truck/SUV	South/Inbound	Camping
				11:15	SUV	South/Inbound	Camping/Liesure
				11:40	PickUp w/trailer	South/Inbound	Animal Trailer/Ranching
6/21/2008	7	9:00 AM	12:00 PM	10:52	SUV	North/Inbound	Driver only - NO passengers
				12:02	SUV	South/Outbound	Same vehicle as above (10:52)
6/21/2008	6 - Crowder Flat	11:00 AM	15:00 PM	11:05	PickUp w/trailer	North	Range
				12:29	PickUp w/trailer	South	Range
				14:06	Jeep	North	Recreation
				14:22	FS Engine	South	Fire
6/21/2008	6 - South Main	11:00 AM	15:00 PM	11:05	Jeep	West	Recreatoin
				11:06	Jeep	West	Recreation
				11:07	Jeep	West	Recreation
				11:08	Jeep	West	Recreation
				11:09	4x4 Pickup	West	Recreation
				11:09	4x4 Pickup	West	Recreation
				11:09	Jeep	West	Recreation
				11:10	4x4 Pickup	West	Recreation
				11:11	4x4 Pickup	West	Recreation
				11:11	Jeep	West	Recreation
				11:12	4x4 Pickup	West	Recreation
				11:12	4x4 Pickup	West	Recreation
				11:13	Jeep	West	Recreation
				11:13	Jeep	West	Recreation
				11:14	Jeep	West	Recreation
				11:14	Jeep	West	Recreation
				14:27	Jeep	West	Recreation

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
6/21/2008	2	14:15 PM	16:15 PM	15:20			Counter moved to intersection w/CO1
				15:23	PickUp	East	May have come from private lane
				15:50			Counter moved back to forest entrance
				15:54	SUV	West	Obsidian Hunters
				16:05	SUV	East	Same vehicle as above (15:54)
6/21/2008	7	14:00 PM	17:00 PM	16:38	PickUp	North/Inbound	USFS Fire Vehicle
				16:48	PickUp	South/Outbound	USFS Fire Vehicle
6/22/2008	6 - Crowder Flat	7:00 AM	11:00 AM	8:45	FS Engine	South	Fire
				9:50	FS Engine	North	Fire
6/22/2008	6 - South Main	7:00 AM	11:00 AM	9:40	4x4 Pickup	West	
6/22/2008	3	10:30 AM	12:00 PM	10:30	Car	Inbound to lake	Going to Blue Lake Youth Camp
				10:45	small SUV	Outbound from lake	turned onto gravel road
				10:50	PickUp	East	going up gravel road w/Rhino
				11:00	PickUp w/trailer	Inbound to lake	Camping
				11:07	SUV	Outbound from lake	1 person
				11:07	SUV	Outbound from lake	1 person
				11:10	PickUp	Outbound from lake	Full PickUp
				11:11	Motorcycle	Inbound to lake	2 people
				11:15	FS PickUp	East	going up gravel road (Glenn)
				11:20	SUV	U turn	went back to Blue Lake
				11:24	PickUp	East	turned up gravel road
				11:35	Motorcycle	Outbound from lake	
				11:40	PickUp	Outbound	
				11:42	Van	East	turned up gravel road
				11:43	Car	Inbound to lake	Visiting for the day
				11:48	PickUp	Inbound to lake	Going to Blue Lake Youth Camp
6/22/2008	6 - Crowder Flat	11:30 AM	15:30 AM	12:00	FS PickUp	South	Fire
				12:30	SUV	North	
				12:48	PickUp w/trailer	South	Camping
				12:53	4x4 Vehicle	South	
				13:13	PickUp w/trailer	South	Camping
				13:14	Van w/trailer	South	Camping

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				13:54	4x4 Pickup	North	
				14:30	SUV	South	
				14:55	PickUp	North	
				15:00	4x4 Pickup	South	Camping
				15:15	PickUp	South	Camping
				15:20	4x4 Pickup	North	
				15:22	PickUp w/trailer	South	Camping
				15:27	PickUp w/boat	South	Fishing
6/22/2008	18 - 44N01	14:15 PM	17:15 PM	14:14	Motorcycle	East	Continued East on Co. Rd. 97
				14:14	Motorcycle	East	Continued East on Co. Rd. 97
				14:15	Jeep	East	Continued East on Co. Rd. 97
6/22/2008	18- Co. Rd. 97	14:15 PM	17:15 PM	14:13	SUV	East	
				14:34	PickUp	East	
				14:36	Semi	West	pulled off before intersection w/44W01
				15:08	Car	East	
				15:08	Car	East	
				15:11	Motorcycle	East	
				15:12	SUV w/boat	East	
				15:12	Car	West	
				15:17	Car	East	
				15:26	PickUp	West	
				15:32	car	West	
				15:43	Semi	East	came from dirt road East of intersection
				15:58	PickUp	East	ATV in back
				16:03	Car	East	
				16:06	SUV	West	
				16:11	PickUp	East	
				16:36	PickUp w/camper	East	
				16:41	PickUp	East	
				16:49	PickUp	East	
				16:52	PickUp	East	Canoe in back
				16:55	Jeep	West	
				16:55	Motorcycle	West	
				16:55	Motorcycle	West	
				16:59	PickUp	East	
				17:00	SUV	East	
6/22/2008	3	16:00 PM	17:30 PM	16:15	SUV	Inbound to Lake	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				16:20	Car	Outbound from Lake	Swimming
				16:20	VW bug	Outbound from Lake	Swimming
				16:20	PickUp	Outbound from Lake	
				16:43	SUV	Outbound from Lake	
				16:43	PickUp	Outbound from Lake	Swimming
				16:45	PickUp	East on gravel road	
				16:50	PickUp	Inbound to Lake	Fishing
				16:55	PickUp w/ATV	from East gravel road	ATVing
				17:05	PickUp w/boat	Outbound from Lake	Fishing
				17:10	PickUp w/boat	Inbound to Lake	Fishing
				17:20	PickUp w/boat	Inbound to Lake	Fishing
				17:30	Car	Outbound from Lake	from Blue Lake Youth Camp
6/26/2008	2	14:05 PM	16:00 PM	15:48	Sedan	Inbound	
6/26/2008	7	16:54 PM	19:05 PM	18:41	ATV	North	Recreation
				18:49	ATV	South then East	Same ATV as above (18:41)
6/27/2008	7	5:51 AM	8:00 AM				NO Traffic
6/27/2008	17	9:00 AM	12:00 PM	9:03	CDF Fire Engine	South	
				9:54	PickUp	North	Firewood gathering
				10:45	CDF Fire Engine	North	
6/27/2008	12 - Loveness	9:45 AM	13:43 PM	10:44	PickUp	Inbound	
				11:01	SUV	Outbound	
				11:16	PickUp w/trailer	Inbound	Horse Trailer
	12 - Washington Creek			11:44	SUV	Inbound	
6/27/2008	17	12:00 PM	14:00 PM				NO Traffic
6/27/2008	16	14:00 PM	18:00 PM	14:10	Water Truck	NW/Inbound	Water/Grating
				14:17	Car	NE/Inbound	
				14:20	Car	SW/Outbound	
				14:26	PickUp	SW/Outbound	
				14:38	SUV	NE/Inbound	
				14:47	PickUp	SW/Outbound	Fishing
				14:51	Water Truck	SE/Oubound	Water/Grating
				14:57	Hatchback	NE/Inbound	
				14:59	Car	SW/Outbound	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				15:02	Hatchback	SW/Outbound	
				15:03	Jeep	NE/Inbound	
				15:18	PickUp	SW/Outbound	Fishing
				15:20	Motorcycle	NE/Inbound	
				15:35	Water Truck	NW/Inbound	Water/Grating
				15:45	Jeep	SW/Outbound	
				15:48	Water Truck	SE/Oubound	Water/Grating
				15:49	Grater	NW/Inbound	Grating
				15:54	PickUp	SW/Outbound	
				16:09	Wagon	NE/Inbound	
				16:36	Wagon	NE/Inbound	
				17:02	Wagon	SW/Outbound	
				17:22	PickUp	SW/Outbound	
				17:22	Car	NE/Inbound	
				17:26	Wagon	NE/Inbound	
				17:43	Wagon	SW/Outbound	
6/28/2008	17	7:30 AM	10:30	7:53	PickUp	South/Inbound	Firewood gathering
				8:22	PickUp	South/Inbound	
				8:46	CDF Fire Engine	South/Inbound	Fire
				10:28	CDF Fire Engine	North/Outbound	Fire
6/28/2008	5	8:15 AM	11:38 AM	8:38	Car	Co. Rd. 2 North	Pic-Nic (2 adults, 2 children)
				8:59	Suburban	Co. Rd. 2 North	1 person
6/28/2008	8 - Logan Slough	9:15 AM	12:15 PM	10:28	PickUp w/trailer	Out	Firewood gathering
				11:36	PickUp w/trailer	In	Firewood gathering
				11:41	MiniVan	Out	
	8 - Crowder Flat	9:15 AM	12:15 PM	9:43	PickUp	South	
				10:00	Flatbed PickUp	South	Firewood gathering
				10:08	PickUp	North	
				10:28	PickUp	South	Firewood gathering
				10:33	PickUp	North	
				11:34	Jeep	North	Recreation
				11:36	PickUp	North	Firewood gathering
				11:41	MiniVan	South	
	8 - Logan Slough	12:15 PM	16:00 PM	13:47	PickUp	Out	Firewood gathering
				14:37	FS FireTruck	In	
				15:03	FS FireTruck	Out	
	8 - Crowder Flat	12:15 PM	16:00 PM	12:26	Wagon	North	
				12:29	PickUp	South	Recreation - rowboat in back

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				13:47	PickUp w/trailer	South	Firewood gathering
				13:47	PickUp	South	
				13:47	Jeep	South	Recreation
				13:47	PickUp	North	Firewood gathering
				14:19	PickUp	South	
				14:26	PickUp	South	Firewood gathering
				14:37	FS FireTruck	South	turned onto Logan Slough
				15:03	FS FireTruck	South	
				15:39	PickUp	North	Firewood gathering
				15:58	Jeep	South	Recreation
6/28/2008	3	14:00 PM	16:00 PM	14:10	Car	Outbound from Lake	
				14:30	Van	Outbound from Lake	Kayaking
				14:30	Motorcycle	Outbound from Lake	
				15:20	PickUp	Outbound from East	
				15:40	Car	Inbound to Lake	Swimming
				15:40	PickUp	Inbound to Lake	Swimming
				15:50	PickUp	Inbound to Lake	
				15:55	PickUp	Outbound from Lake	coming from Blue Lake Youth Camp
				15:55	Car	Outbound from Lake	coming from Blue Lake Youth Camp
				15:55	Jeep	Inbound to Lake	
6/29/2008	2	7:30 AM	10:45 AM	7:45	PickUp	Inbound	
				8:15	Bicycle	Outbound	Cycling
				9:27	Car	Inbound	
				9:31	SUV	Inbound	Flower Picking
				9:50	SUV	Outbound	Flower Picking
				9:56	SUV	Inbound	
				10:00	Car	Outbound	
				10:38	PickUp	Outbound	Firewood gathering
6/29/2008	16	9:15 AM	12:30 PM	9:24	Car	North East	
				9:38	PickUp w/trailer	North East	Recreation/Boating/Camping
				10:03	PickUp w/camper	South West	Recreation/Camping
				10:18	PickUp	South West	
				10:48	SUV	North East	
				10:49	PickUp w/camper	North East	
				11:14	Car	North East	
				11:24	PickUp	North East	Recreation
				11:30	PickUp w/ boat	South West	Recreation/Boating

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				11:51	PickUp	North East	
				15:17	MiniVan	South West	
6/30/2008	8	16:56 PM	19:10 PM				NO Traffic
7/1/2008	14	17:30 PM	20:00 PM				NO Traffic
7/2/2008	8	5:52 AM	7:55 AM	7:43	SUV	South on Crowder	
				7:59	SUV	North on Crowder	
7/3/2008	16	7:00 AM	13:00 PM	9:40	Van	NE/Outbound	
				10:00	PickUp	NE/Outbound	
				10:15	PickUp	SW/Inbound	Recreation/Fishing
				10:42	Van	NW/Outbound	
				10:55	Van	SW/Inbound	Recreation/Fishing
				11:12	PickUp	NE/Outbound	Recreation/Fishing
				11:13	SUV	NE/Outbound	
				11:58	SUV	SW/Inbound	
7/3/2008	7	8:00 AM	13:00 PM	10:40	PickUp	North/Inbound	Firewood gathering
				12:49	PickUp	South/Outbound	Firewood gathering (same truck as above)
7/3/2008	5	9:00 AM	11:00 AM	9:13	SUV	North	turned onto Dismal Swamp Rd. from Co. Rd.2
				9:45	SUV	South	turned out of Dismal Swamp Rd. onto Co. Rd. 2
				10:28	SUV	North	turned onto road to Mineral Spring
				10:54	SUV	South	Co. Rd. 2
7/3/2008	7	13:00 PM	17:00 PM				NO Traffic
7/3/2008	3 - Blue Lake	13:10 PM	17:10 PM	13:25	PickUp	South/Inbound	
				13:34	PickUp	South/Inbound	
				13:34	MiniVan	North/Outbound	Camping
				13:39	PickUp	North/turned East	Fishing
				13:51	PickUp	North/turned East	
				13:51	Jeep	South/Inbound	Camping
				13:52	FS Truck	North/turned West	
				14:07	MiniVan	South/Inbound	
				14:18	PickUp	North/turned East	
				14:43	PickUp	South/Inbound	
				14:51	PickUp	North/turned West	
				14:52	PickUp	South/Inbound	
				14:54	PickUp	South/Inbound	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				14:58	PickUp	North/turned West	
				15:01	Car	South/Inbound	
				15:14	Car	North/turned East	
				15:16	SUV	North/turned West	
				15:19	Jeep	North/turned East	Fishing
				15:26	PickUp	South/Inbound	
				15:36	Car	North/turned West	
				15:39	PickUp	South/Inbound	
				15:43	PickUp	South/Inbound	
				16:03	Car	South/Inbound	
				16:15	FS SUV	South/Inbound	CG Checks
				16:32	PickUp	South/Inbound	
				16:34	FS Truck	North/turned West	
				16:45	3 Wheeler	South/Inbound	Fishing
				16:56	SUV	South/Inbound	Camping
				17:03	MiniVan	South/Inbound	
7/3/2008	3 - S. Warner	13:10 PM	17:10 PM	13:13	PickUp w/camper	East	Camping
				13:14	PickUp w/camper	East	Camping
				13:19	PickUp w/camper	East	Camping
				13:25	PickUp	East	turned South onto 36N30
				13:29	PickUp w/camper	East	Camping
				13:34	MiniVan	West	Camping
				13:38	PickUp	East	Fishing
				13:51	PickUp	East	
				13:51	Jeep	East	Camping
				13:52	FS Truck	West	
				14:07	MiniVan	East	turned onto 36N30
				14:18	PickUp	East	
				14:41	PickUp	East	
				14:43	PickUp	East	turned South onto 36N30
				14:51	PickUp	West	
				14:52	Car	East	
				14:52	PickUp	East	turned South onto 36N30
				14:54	PickUp	East	turned South onto 36N30
				14:58	PickUp	West	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				15:01	Car	West	turned South onto 36N30
				15:14	Car	East	
				15:16	SUV	West	
				15:19	Jeep	East	Fishing
				15:26	PickUp	West	turned South onto 36N30
				15:36	Car	West	
				15:39	PickUp w/camper	East	Camping/Recreation (ATV in bed)
				15:39	PickUp w/camper	East	Camping
				15:39	PickUp w/camper	East	Camping
				15:39	PickUp w/camper	East	Camping
				15:39	PickUp	East	turned South onto 36N30
				15:43	PickUp	East	turned South onto 36N30
				16:03	Car	West	turned South onto 36N30
				16:07	Car	East	
				16:15	FS SUV	East	CG Checks
				16:32	PickUp	East	turned South onto 36N30
				16:34	FS Truck	West	
				16:45	3 Wheeler	East	Fishing
				16:56	SUV	East	Camping
				17:03	MiniVan	East	turned South onto 36N30
7/3/2008	5	16:00 PM	19:00 PM	18:59	SUV	East	Recreation
7/4/2008	6	7:55 AM	12:00 PM	9:32	PickUp w/boat	East on S. Main	Fishing
				10:37	ATV	North	Camping
				10:46	ATV	North	
				11:30	FS Truck	North	
				11:35	FS Truck	South	
7/5/2008	10	9:00 AM	12:00 PM	10:18	SUV	139 to 44N02	
				10:23	SUV	44N02 to 139	
7/5/2008	13	16:45 PM	19:30 PM	17:12	PickUp	West to 41N44	
				17:25	PickUp	West to 41N44	
				17:45	PickUp	East to 299	Hay in back
				17:52	PickUp	West to 41N44	
				18:11	PickUp	West to 41N44	
7/6/2008	2	7:15 AM	9:30 AM	7:20	PickUp	Inbound	
				7:22	SUV	Inbound	
				8:20	SUV	Outbound	
				9:04	Bicycles (2)	Inbound	
7/6/2006	16 - Medicine Lake	14:00 PM	18:00 PM	14:04	PickUp	North	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				14:06	SUV	South	
				14:07	PickUp	South	
				14:13	SUV	South	
				14:13	PickUp w/boat	North	Recreatoin/Boating
				14:14	FS Truck	North	
				14:38	PickUp	North	
				14:45	Car	South	
				14:57	PickUp	North	
				15:00	PickUp w/boat	North	Recreatoin/Boating
				15:01	PickUp	North	Camping
				15:17	Car	North	Fishing
				15:18	SUV	South	looking for Glass Mountain
				15:24	PickUp	South	
				15:26	SUV	South	
				15:34	PickUp w/boat	North	Recreation/Boating
				15:37	SUV	North	Camping/Recreation (bikes on top rack)
				15:39	PickUp w/camper	North	Camping/Recreation
				15:40	Car	North	Recreatoin/Swimming
				15:42	SUV	North	
				15:44	PickUp	North	
				15:46	SUV	North	Camping/Recreation
				15:48	PickUp w/camper	South	Camping/Recreation
				15:49	SUV	North	
				15:49	PickUp	South	
				15:49	SUV	North	
				15:49	SUV	North	
				15:49	PickUp	South	
				15:49	SUV	North	
				15:51	PickUp	North	
				15:51	PickUp	North	Recreation/Biking (bikes in bed)
				15:54	Car	South	
				16:15	MiniVan	North	Recreation/Kayaking (kayacks on top rack)
				16:16	SUV	South	
				16:37	SUV	North	
				16:39	PickUp	North	
				16:59	PickUp	North	
				17:04	PickUp	North	pulling Bobcat
				17:14	FS Truck	South	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				17:21	Car	North	
				17:22	SUV	North	
				17:36	Jeep	South	Camping
				17:37	Car	South	
				17:44	SUV	North	
				17:44	Jeep	North	
7/6/2008	16 - Cougar Butte	14:00 PM	18:00 PM	15:18	SUV	East	turned South onto Medicine Lake
7/10/2008	9	16:00 PM	19:00 PM	16:24	Car w/boat	West to 139	
				16:46	PickUp	East on 46N10	
				17:52	PickUp w/trailer	West to 139	Wood cutting
7/11/2008	14	8:00 AM	12:00 PM				NO Traffic
7/11/2008	20	8:00 AM	15:00 PM	8:00	PickUp	East/Inbound	Permittee
				8:32	PickUp w/trailer	East/Inbound	Permittee
				9:00	PickUp	Inbound	Permittee
				10:00	FS Truck	Inbound	
				10:04	FS Truck	Inbound	
				11:27	SUV	Outbound	Fish & Wildlife
				11:59	PickUp	Outbound	Permittee
				13:37	Road Grader	Inbound	
				13:37	PickUp	Inbound	Grader Crew
				14:03	FS Truck	Inbound	
				14:17	PickUp	Inbound	Permittee
				14:20	FS Truck	Outbound	
				14:24	PickUp	Outbound	Grader Crew
7/11/2008	20 - Backscatter Road	8:00 AM	15:00 PM	10:05	FS Truck	Inbound	
				10:39	FS Truck	Outbound	
				14:17	PickUp	Inbound	Permittee
				14:24	PickUp	Inbound	Grader Crew
				14:43	PickUp	Outbound	Permittee
				14:56	PickUp	Outbound	Grader Crew
7/11/2008	13	8:15 AM	10:15 AM	8:17	PickUp	Outbound	
				8:21	PickUp	Inbound	
				8:39	UPS Truck	Inbound	
				8:53	UPS Truck	Outbound	
				9:03	Car	Outbound	
7/11/2008	3 - Blue Lake	8:25 AM	12:25 PM	8:27	Car	South	
				9:03	PickUp w/boat	South	Boating
				9:08	FS truck	South	CG Maintenance
				9:15	PickUp w/boat	South	Boating

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				9:31	FS truck	North	turned East
				9:40	PickUp	North	turned West
				9:44	PickUp	North	turned East
				10:14	Car	North	turned West
				10:29	Car	North	turned East
				10:31	Fish & Game Truck	South	Delivering Fish from Crystal Lake Hatchery
				10:33	PickUp	North	turned West
				11:03	PickUp w/boat	South	Boating
				11:03	Car	North	Catching Butterflies
				11:18	PickUp	South	
				11:19	PickUp	North	turned West
				11:25	PickUp	South	
				11:26	Fish & Game Truck	North	turned West
				11:27	SUV w/trailer	North	turned West
				11:34	PickUp w/boat	North	turned West - Boating
				11:46	PickUp	South	Canoeing/Camping
				11:59	PickUp	North	turned West
				12:22	PickUp	South	
7/11/2008	3 - South Warner	8:25 AM	12:25 PM	8:27	Car	East	turned South
				8:33	PickUp	West	
				8:45	PickUp	East	
				9:03	PickUp w/boat	East	Boating - turned South
				9:06	Flatbed w/trailer	East	
				9:08	FS truck	East	CG Maintenance - turned South
				9:15	PickUp w/boat	East	Boating - turned South
				9:31	FS truck	East	
				9:40	PickUp	West	
				9:41	PickUp w/trailer	East	
				9:52	Flatbed w/trailer	West	Logging
				10:14	Car	West	
				10:29	Car	East	
				10:31	Fish & Game Truck	East	turned South
				10:33	PickUp	West	
				11:03	PickUp w/boat	East	Boating
				11:03	Car	East	Catching Butterflies
				11:18	PickUp	East	turned South
				11:19	PickUp	West	
				11:25	PickUp	East	turned South

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				11:26	Fish & Game Truck	West	
				11:27	SUV w/trailer	West	
				11:34	PickUp w/boat	West	Boating
				11:35	Flatbed w/trailer	East	Logging
				11:37	PickUp	West	
				11:46	PickUp	East	Camping/Canoeing - turned South
				11:59	PickUp	West	
				12:02	FS Truck	West	
				12:12	Flatbed w/trailer	West	Logging
				12:19	PickUp	West	
				12:22	PickUp	East	
7/11/2008	2	8:35	11:45 AM	9:00	FS Truck	Outbound	
				10:15	SUV	Inbound	
				10:57	SUV	Outbound	
7/11/2008	9 - Mowitz Road	10:30 AM	13:30 PM	10:38	FS Truck	Outbound	
				10:40	FS Truck w/trailer	Outbound	
				11:05	FS Truck	Outbound	
				11:46	FS Engine	Inbound	
				11:58	FS Engine	Outbound	
				12:27	FS Truck	Inbound	
				12:29	FS Engine	Oubound	
				12:35	PickUp	Inbound	
				13:19	PickUp w/boat	Outbound	
7/11/2008	12	13:30 PM	15:30 PM				NO Traffic
7/11/2008	19	16:00 PM	19:00 PM				NO Traffic
7/12/2008	2	7:30 AM	9:30 AM				NO Traffic
7/12/2008	11	15:35 PM	17:15 PM	15:12	PickUp	Inbound	
				17:08	Car	Inbound	
7/12/2008	17						NO Traffic
7/13/2008	6	8:30 AM	12:30 PM	8:58	Car	Inbound	
				9:18	FS Truck	Inbound	
				10:30	FS Truck	Inbound	
				12:07	PickUp	Outbound	
7/13/2008	16 - Cougar Butte	9:30 AM	12:30 PM	9:58	PickUp	West	
				10:49	Camper Van	West	Camping
				11:49	Motorcycle	East	turned South on 44N70
7/13/2008	16 - Medicine Lake	9:30	12:30	9:50	SUV	South	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				9:58	PickUp	North	turned West on 44N01
				10:17	Car	South	
				10:18	Car	South	
				10:24	SUV	North	
				10:24	Suburban	North	
				10:38	MiniVan	South	Camping/Biking
				10:43	Sheriff SUV	South	
				10:49	Camper Van	North	turned West on 44N01
				11:00	PickUp w/boat	South	Recreation/Boating
				11:02	PickUp	North	Camping
				11:04	SUV	North	Caving
				11:05	SUV	North	
				11:06	Car	North	
				11:26	SUV	North	
				11:41	PickUp	South	Camping/BBQ
				11:42	PickUp	South	
				11:44	PickUp	North	Camping/BBQ
				11:47	FS Truck	South	CG Checks
				11:49	Motorcycle	South	
				11:51	Car	South	
				12:04	SUV	North	headed to Tuelake
				12:05	Car	North	Camping
				12:06	Car	North	
				12:07	MiniVan	South	
				12:09	MiniVan	North	Caving
				12:24	SUV	South	
				12:28	SUV	South	
7/13/2008	12	9:30 AM	12:00 PM	9:30	Van	North East	Mountain Biking
				11:13	4x4 PickUp	East	
7/13/2008	5	10:15 AM	12:15	10:52	SUV	Outbound	Mineral Spring to South bound Co. Rd. 2
				11:38	SUV	North	Northbound Co. Rd. 2
7/13/2008	Parker Creek	11:00 AM	13:00 PM	11:37	SUV	Inbound	scouting for deer (from the bay area)
				11:53	SUV	Outbound	
				11:58	Van	Outbound	
				12:05	PickUp	Inbound	
				12:07	PickUp	Outbound	
				12:10	SUV	Outbound	
				12:12	PickUp	Outbound	
				12:28	Truck	Inbound	Horse Trailer
7/13/2008	12	12:00 PM	15:00 PM				NO Traffic

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
7/13/2008	9	13:45	16:45 PM	15:15	PickUp	East - West to 139	Looking for Bitterbrush
				15:38	PickUp	East on 46N10	
				16:16	PickUp w/ camper	West to 139	Caming
7/13/2008	8 - Logan Slough	14:15 PM	17:15 PM	14:30	Suburban	Outbound	turned South on 48N08
				14:57	PickUp	Outbound	
				15:12	MiniVan	Inbound	turned South on 48N08
				15:18	PickUp	Outbound	turned South on 48N08
7/13/2008	8 - Crowder Flat	14:15 PM	19:15 PM	14:12	PickUp	South	
				14:27	PickUp w/camper	South	Camping
				14:28	SUV	South	
				14:30	Suburban	South	
				14:57	PickUp	South	
				14:59	MiniVan	North	
				15:12	MiniVan	North	turned East on 45N06
				15:18	PickUp	South	
				15:19	PickUp	North	
				15:27	PickUp	North	turned around at 45N06
				15:43	PickUp w/camper	South	Camping
				15:46	PickUp w/camper	South	Camping
				16:08	PickUp w/boat	South	Boating/Water Activitirs
				16:16	PickUp	South	
				16:22	SUV	South	
7/13/2008	10	17:00 PM	19:00 PM				NO Traffic
7/14/2008	Parker Creek	8:30 AM	10:35 AM	8:32	Truck	Inbound	
				8:47	Truck	Outbound	
				8:51	Truck	Outbound	
				9:14	Truck	Inbound	Property Owner
				9:32	Truck	Outbound	
				10:24	Truck	Outbound	
				10:31	Truck	Outbound	
7/16/2008	10	14:30 PM	16:30 PM	15:30	FS SUV	44N02 to 139	Arch Crew
				16:00	FS SUV	44N02 to 139	Arch Crew
7/16/2008	15	16:45 PM	19:30 PM	16:45	Service Truck	East on Mudlake	Railroad Service Truck
				18:21	PickUp	West on Mudlake	
				19:15	FS Truck	East on Mudlake	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
7/18/2008	11	7:00 AM	12:00 PM				NO Traffic
7/18/2008	16	7:00 AM	12:00 PM	8:17	Car	NE/Outbound	
				8:40	Wagon	NE/Outbound	
				9:08	PickUp	SW/Inbound	Fishing
				9:37	Van	SW/Inbound	
				10:43	PickUp	NE/Outbound	
				11:09	SUV	NE/Outbound	Recreation
				11:15	Wagon	SW/Inbound	
				11:25	PickUp	SW/Inbound	Recreation
				11:41	Van	SW/Inbound	
7/18/2008	16	14:00 PM	19:00 PM	14:01	SUV	NE/Outbound	
				14:11	Jeep	NE/Outbound	
				14:43	PickUp	SW/Inbound	
				14:50	Car	NE/Outbound	
				14:55	Car	SW/Inbound	
				15:13	SUV	NE/Outbound	
				15:33	SUV	NE/Outbound	
				15:49	PickUp	SW/Inbound	
				16:17	Car	NE/Outbound	Recreation
				16:43	PickUp	NE/Outbound	Fishing
				16:47	SUV	SW/Inbound	
				17:09	PickUp	SW/Inbound	Recreation
				17:26	Wagon	NE/Outbound	
				17:57	Jeep	NE/Outbound	
7/18/2008	13	14:15 PM	16:30 PM	14:20	PickUp	West to 41N44	
				15:00	FS Truck	East to Hwy 139	
				15:30	Car	West to 41N44	
				15:35	PickUp	East to Hwy 139	
				15:45	Engine 54	East to Hwy 139	
				16:10	PickUp	West to 41N44	Horse Trailer
7/18/2008	5	16:30 PM	19:00 PM	17:30	PickUp		turned around in intersection
				18:00	RV	East	
				18:15	4x4 SUV	East	
7/19/2008	13	8:30 AM	11:45 AM	8:53	SUV	West on 41N44	
				10:52	PickUp	West on 41N44	
				11:07	PickUp	West on 41N44	
7/19/2008	10	8:30 AM	11:45 AM				NO Traffic
7/19/2008	14	9:00 AM	11:30 AM				NO Traffic
7/19/2008	13	12:30 PM	15:30 PM	12:50	PickUp	East to Hwy 139	Resident
				14:19	PickUp	West to 41N44	Resident
7/19/2008	15	12:45 PM	16:15 PM	13:00	PickUp	West on 42N56	
				15:34	PickUp w/trailer	West on 42N56	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
7/19/2008	10	16:30 PM	19:00 PM				NO Traffic
7/20/2008	15	7:00 AM	9:00 AM	8:35	PickUp	West on Mudlake	CDF Employee
				8:53	PickUp	West on Mudlake	CDF Equipment
7/20/2008	14	8:15 AM	12:00 PM	11:30	SUV	West to Hwy 299	
7/20/2008	18	9:00 AM	13:00 PM	9:00	Car	Outbound	Co. Rd. 97
				9:19	PickUp	Outbound	Co. Rd. 97
				9:37	FS Truck	Inbound	Co. Rd. 97
				9:39	PickUp w/trailer	Outbound	Co. Rd. 97 - collecting wood
				9:40	PickUp	Outbound	Co. Rd. 97 - collecting wood
				9:41	PickUp w/boat	Inbound	Co. Rd. 97
				9:45	PickUp w/boat	Inbound	Co. Rd. 97
				10:07	SUV	Inbound	Co. Rd. 97
				10:08	PickUp	Inbound	Co. Rd. 97
				10:08	SUV	Outbound	Co. Rd. 97
				10:08	PickUp	Inbound	Co. Rd. 97
				10:39	SUV	Inbound	Co. Rd. 97
				10:48	Car	Inbound	Co. Rd. 97
				11:01	PickUp w/camper	Outbound	Co. Rd. 97
				11:02	PickUp	Inbound	Co. Rd. 97 - camping
				11:02	PickUp w/camper	Inbound	Co. Rd. 97
				11:07	Car	Inbound	Co. Rd. 97
				11:21	SUV	Inbound	Co. Rd. 97
				11:37	Car	Inbound	Co. Rd. 97
				11:46	SUV	Outbound	Co. Rd. 97
				12:34	Car	Outbound	Co. Rd. 97
				12:36	PickUp w/camper	Outbound	Co. Rd. 97
				12:36	PickUp	Inbound	
				12:36	Car	Inbound	
				12:37	Car	Outbound	
				12:37	Car	Outbound	
				12:38	SUV	Inbound	
				12:42	PickUp	Outbound	
7/20/2008	9	9:15 AM	12:00 PM	10:01	SUV	East on 46N10	
				10:03	PickUp	East on 46N10	Boating
7/20/2008	19	12:15 AM	15:45 PM				NO Traffic
7/20/2008	9	12:30 PM	15:30 PM	13:17	Van	In and Out	Turnaround
				13:20	PickUp	West to 139	
				13:25	PickUp	East on 46N10	Fishing

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				13:30	SUV	East on 46N10	
				13:31	PickUp	West to 139	ATVing
				13:34	SUV	East on 46N10	ATVing
				13:35	PickUp	East on 46N10	ATVing
				13:37	PickUp	East on 46N10	ATVing
				13:48	PickUp	West to 139	ATVing
				13:50	PickUp	West to 139	Boating
				14:00	PickUp	West to 139	Boating
				14:02	Jeep	West to 139	Fishing
				14:14	PickUp	West to 139	Fishing
				15:05	SUV	West to 139	
				15:25	PickUp	West to 139	Boating
				15:27	PickUp	West to 139	Boating
				15:30	Jeep	West to 139	
				15:32	PickUp	West to 139	
7/20/2008	Parker Creek	13:10 PM	15:10 PM	14:22	Motorcycle	Outbound	
7/20/2008	11	13:15 PM	17:15 PM	13:56	PickUp	Outbound	
				14:09	PickUp	Outbound	Wood Collecting
7/20/2008	19	16:00 PM	18:15 PM				NO Traffic
7/21/2008	13	16:45 PM	19:30 PM	17:24	PickUp	East to 299	
				18:02	PickUp	East to 299	
				18:22	Car	East to 299	
				18:35	PickUp	East to 300	
				18:50	Service Truck	East to 301	
				18:54	PickUp	East to 302	
				19:00	Service Truck	East to 303	
7/23/2008	9	9:30 AM	13:30 PM	9:30	PickUp	Outbound	Wood cutting
				10:13	FS Truck	Inbound	
				11:18	FS Truck	Outbound	
				11:32	Car	Inbound	
				11:40	PickUp	Outbound	Camping
				11:43	Jeep	Inbound	Camping
				11:56	FS Truck	Inbound	
				12:14	FS Truck	Outbound	
				12:17	Car	Inbound	
				12:23	Car	Outbound	
				12:41	PickUp	Inbound	
7/23/2008	10	15:00 PM	17:00 PM	15:07	PickUp w/trailer	East on 44N02	Trees Inc. with water pump
				15:40	FS Truck	West to 139	
				16:00	FS Truck	West to 139	
				16:37	PickUp w/trailer	West to 139	Trees Inc. with water pump

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
7/23/2008	15	17:15 PM	19:15 PM	18:07	FS Truck	East to 91	
				18:09	FS Truck	East to 91	
				18:23	Car	East to 91	
7/24/2008	6	18:00 PM	20:30 PM	18:10	FS Truck	South (Crowder)	Going home from CF Guard Station
				18:17	PickUp	East (South Main)	Going home from CF Guard Station
				18:17	PickUp	South (Crowder)	Going home from CF Guard Station
				18:17	PickUp	South (Crowder)	Going home from CF Guard Station
7/25/2008	2	7:30 AM	9:45 AM	9:37	PickUp	Inbound	
7/25/2008	3 - Blue Lake	8:50 AM	12:20 PM	9:06	Sheriff Truck	North	turned East
				9:29	Sheriff Truck	South	returning home
				9:50	Van	North	turned West
				10:34	PickUp	South	
				10:44	PickUp	North - then South	let an animal out of cage
				10:45	Camper	North	Camping - turned West
				10:45	PickUp	North	turned West
				11:24	Car	South	
				11:35	PickUp	North	turned West
				11:37	SUV	North	Camping - turned East
				11:55	SUV	South	
7/25/2008	3 - South Warner	8:50 AM	12:20 PM	9:06	Sheriff Truck	East	taking a call
				9:29	Sheriff Truck	West	turned South - returning home
				9:40	FS Truck	West	
				9:50	Van	West	
				9:51	CHP SUV	East - then West	turned around in intersection
				10:34	PickUp	East	turned South
				10:45	Camper	West	Camping
				10:45	PickUp	West	
				11:24	Car	East	turned South
				11:35	PickUp	West	
				11:37	SUV	West	Camping
				11:55	SUV	East	turned South
7/25/2008	20 - Clear Lake	9:00 AM	14:00 PM	9:52	MiniVan	Inbound	
				11:52	PickUp	Inbound	Fishing
				12:09	MiniVan	Outbound	
				13:30	PickUp	Inbound	ATVing

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
7/25/2008	20 - Backscatter	9:00 AM	14:00 PM				NO Traffic
7/25/2008	14	15:00 PM	17:15 PM	16:30	FS Vehicle	East on 40N22	
				17:15	Car	West to 299	
7/25/2008	19	17:15 PM	19:15 PM				NO Traffic
7/26/2008	14	7:45 AM	9:45 AM				NO Traffic
7/26/2008	15	9:00 AM	12:00 PM	9:02	PickUp	West	
				9:14	Flatbed Truck	West	Contractor Water Wagon
				9:22	FS Truck	West	Fire Support
				9:25	FS Truck	West	
				10:25	Car	East to 91	
7/26/2008	8 - Crowder Flat	10:15 AM	12:15 AM	10:16	FS SUV	North	Traffic Counts
				10:33	PickUp	North	turned in East
				10:36	PickUp	South	Firewood collecting
				10:37	PickUp	South	Firewood collecting
				10:38	SUV	North	Recreation
				10:40	PickUp w/trailer	South	Firewood collecting
				10:48	FS Fire Truck	North	
				12:00	PickUp	North	Firewood collecting
				12:05	PickUp	South	Firewood collecting
7/26/2008	8 - Logan Slough	10:15 AM	12:15 PM	10:33	PickUp	East/Inbound	
				10:36	PickUp	West/Outbound	Firewood collecting
				10:37	PickUp	West/Outbound	Firewood collecting
				10:40	PickUp w/trailer	West/Outbound	Firewood collecting
				12:00	PickUp	East/Inbound	Firewood collecting
7/26/2008	6	11:00 AM	14:00 PM	11:10	MiniVan	Inbound	Sight-seeing
				11:36	PickUp w/trailer	Outbound	Hunting/2 ATV in trailer
				12:36	SUV	Inbound	
				12:48	SUV	Outbound	
7/26/2008	14	17:45 PM	19:45 PM	18:36	Motorcycle	East to 299	
7/27/2008	4	8:00 AM	12:00 PM	9:14	SUV	Outbound	
				9:22	PickUp	Outbound	Ranch Work
				10:06	SUV	Inbound	
				10:16	Sedan	Outbound	Ranch Work - Horse Trailer
				10:16	PickUp w/trailer	Outbound	
				10:24	PickUp	Inbound	Ranch Work
				10:54	MiniVan	Inbound	
				10:57	PickUp	Outbound	
				11:09	PickUp	Inbound	
				11:49	Van	Outbound	
7/27/2008	18	9:00 AM	11:00 AM	9:13	PickUp	Outbound	

Date	Location	Start Time	End Time	Time	Vehicle Type	Direction of Travel	Comments
				9:30	RV	Outbound	Firewood collecting
				9:41	PickUp	Outbound	
				9:41	FS Truck	Inbound	
				9:41	Car	Inbound	
				9:42	PickUp	Outbound	
				9:45	PickUp	Inbound	Hauling boat
				10:20	PickUp	Outbound	
				10:20	PickUp	Outbound	Firewood collecting
				10:34	PickUp	Outbound	Firewood collecting
				10:49	SUV	Inbound	
7/27/2008	11	11:15 AM	14:15 PM	12:41	PickUp	Inbound	
				13:46	PickUp	Outbound	