

2010 – 2030

Water Resource Plan

Appendix E

December 2009

Appendix E:

Truckee River Risk Analysis

A REASSESSMENT OF THE RISK OF TRANSPORTING HAZARDOUS SUBSTANCES ADJACENT TO THE TRUCKEE RIVER

A report submitted to

Truckee Meadows Water Authority

June, 2007

By

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1. Introduction

This current study revisits the analysis of risk and conclusions therefrom in a 1997 assessment of risk to the Truckee River from contamination by a hazardous substance released into the river from a transportation accident. In 1997, the data on which the risk assessment was based were scarce, unavailable, or nonexistent. Now, given the continual evolution of the resources available on the World Wide Web, data on which the current, updated risk assessment is based are comprehensive and readily available in the public domain on the web.

Rail accident data are complete, comprehensive, and available through the Federal Railroad Administration's web site: <http://safetydata.fra.dot.gov/OfficeofSafety/>. Once there, highlighting and clicking item 3.07 brings up a window that enables a detailed search for rail accidents for any portion of the United States. For example, a search for all rail accidents for Washoe County, Nevada, for the entire year, 2006, in which cars carrying hazardous materials were involved yielded the following report:

Selections: Railroad - All

State - NEVADA County - WASHOE

All Regions

All Causes / All Accident Types / All Track Types

Hazmat Options -

Passenger Trains Only - No

Damage Amounts - All

Report Sort Sequence - Date

Date Selected - Jan through Dec, 2006

ALL REPORTS FOR ALL RAILROADS ARE SHOWN. PRIMARY CAUSE OF ACCIDENT DEFINED BY FIRST POSITION OF CAUSE, T = TRACK, H = HUMAN FACTOR, E = EQUIPMENT, S = SIGNAL, M = MISCELLANEOUS

[Click here for Kld/Inj \(Form 6180.55a\) definitions](#)

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1206RS012	55A	12	12	NV	WASHOE	Yard	UP	Der	H524	H511	31,439	126,810	0	0	YARD/SWITCHING	005	0	4

In particular, this record includes a hyperlink to the actual report, shown by report number. Clicking on the hyperlink brings up the following pdf file:

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

RAIL EQUIPMENT ACCIDENT/INCIDENT REPORT

OMB Approval No: 2130-0560

1. Name of Reporting Railroad Union Pacific RR Co. [UP]		1a. Alphabetic Code UP		1b. Railroad Accident/Incident No. 1206RS012	
2. Name of other Railroad Involved in Train Accident/Incident		2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad Responsible for Track Maintenance (single entry) Union Pacific RR Co. [UP]		3a. Alphabetic Code UP		3b. Railroad Accident/Incident No. 1206RS012	
4. U.S. DOT Grade Crossing Identification Number		5. Date of Accident/Incident month 1 day 2 year 2006		6. Time of Accident/Incident 10:30 AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	
7. Type of Accident/Incident (single entry in code box)		7. Derailment		10. Explosion/detonation	
1. Derailment		4. Side collision		8. RR grade crossing	
2. Head on collision		5. Raking collision		9. Obstruction	
3. Rear end collision		6. Broken train collision		11. Fire/violent rupture	
				12. Other impacts	
8. Cars Carrying HAZMAT		9. HAZMAT Cars Damaged/Derailed		11. People Evacuated	
1		1		ROSEVILLE	
13. Nearest City/Town SPARKS		14. Milepost nearest accident 243.1		15. State Abbr. NV	
16. County WASHOE		17. Temperature (F) (specify if not min) 36 ° F		18. Visibility (single entry) Code 4	
1. Dawn		3. Dusk		2. Day	
4. Dark		5. Rain		6. Snow	
7. Fog		8. Ice		9. Other	
19. Weather (single entry) Code 7		20. Type of Track Code 2		21. Train Number/Direction Code 3	
1. Clear		3. Rain		5. Snow	
2. Cloudy		4. Fog		6. Ice	
3. Hazy		4. Other		5. Other	
22. FRA Track Class (1-9, X) Code 1		23. Annual Track Density (gross tons in millions) Code Y		24. Time Table Direction Code 3	
25. Type of Equipment Code 7		26. Was Equipment Attended? Code Y		27. Train Number/Symbol MROR	
1. Freight train		4. Work train		7. Yard/shunting	
2. Passenger train		5. Single car		8. Light loco(s)	
3. Commuter train		6. Cut of cars		9. Maint./inspect. car	
28. Speed (recorded speed if available) Code E		30. Method(s) of Operation (enter codes that apply)		31. Special Instructions	
R - Recorded		a. ATCS		a. Other than main track rules	
E - Estimated		b. Auto train control		p. Positive train control	
005 MPH		c. Auto train stop		q. Other (specify in narrative)	
29. Trailing Tons (gross tonnage, excluding power units) 6,000		d. Cab signals		Code(s)	
e. Traffic control		f. Interlocking		32. If any railroad employee(s) tested for drug/alcohol use, enter the number that were positive in the appropriate box.	
33. Principal Car/Unit		a. Initial and Number		b. Position in Train	
(1) First involved (derailed, struck, etc)		MP266755		019	
(2) Crossing (if mechanical, cause reported)		000		N	
34. Locomotive Unit		a. Head End		b. Mid Train	
(1) Total in Train		4		0	
(2) Total Derailed		0		0	
35. Car		a. Freight		b. Pass.	
(1) Total in Equipment Consist		36		0	
(2) Total Derailed		1		0	
36. Equipment Damage This Consist \$ 31,439		37. Track, Signal, Way, & Structure Damage \$ 126,810		38. Primary Cause Code H524	
39. Contributing Cause Code H511		40. Engineer/Operator		41. Fireman	
42. Conductor		43. Brakeman		44. Special Study Block	
45. Railroad Employee		46. Train Passenger		47. Other	
Fired		0		0	
Not fired		0		0	
50. Latitude (optional) 0		51. Longitude (optional) 0		52. Narrative Description (be specific, and continue on separate sheet if necessary)	
MRORVB-11 SHOVED INTO THE YARD AND TWO CARS DERAILED. WHILE SHOVING BOTH CARS BUCKLED SEVERING THE MAIN LINES AND CAME TO REST IN A TRIANGLE. CARS MP266755 AND ACPX73817 WERE DESTROYED.					
53. Typed/Printed Name & Title of Preparer		54. Signature		55. Date	
NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports status and, as such shall not be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report... 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).					

FORM FRA F 6180.54

This Acrobat file is the official report file with the Federal Railroad Administration and provides a detailed summary of precisely what occurred during the accident. In 1997,

access to rail accident was difficult because they were not available on the web. Moreover, whether hazmat was involved in any accident or not was determined indirectly by using the product of probability of accident and probability of hazmat. The 1997 estimates were accordingly crude, whereas the 2007 data base explicitly documents the nature of hazmat involvement in any rail accident.

Highway accident data are yet to be as easily accessible as are rail accident data. There exists a comprehensive data base for hazardous materials *incidents*. A comprehensive search engine for these incident data is found at the following web site:

http://www.transtats.bts.gov/DL_SelectFields.asp?Table_ID=508&DB_Short_Name=HMIRS

This web site is maintained by the Federal agency, Bureau of Transportation Statistics, a division of the United States Department of Transportation. A hazardous materials incident is defined by USDOT as the leakage (release from) of a hazardous substance from a container. An incident does not necessarily involve an accident. An incident can, and often does, occur during loading/unloading of containers. Nevertheless, an accident during transport of hazmat that is so severe as to cause a leakage of hazmat from a container certainly constitutes an incident that would be documented in the incident data base.

Availability of hazmat incident reports is limited in timeframe. Reports are available for all fifty United States, but only within the time period, 1995 through 2002. Nevertheless, these eight years of data are sufficient for risk characterization necessary to the present study to reassess risk of hazmat contamination to the Truckee River.

Hazardous materials incident data are available for all modes of transportation. Because highway is one mode of transportation included in this data base, the frequency of highway accidents that result in a leakage of hazmat can be easily determined. Although this determination is less direct in comparison to what is possible using the rail safety data provided by the Federal Railroad Administration, it is no less accurate.

2. Data Summaries

Summaries for Washoe County, Nevada and California counties, Nevada, Placer, and Sierra, are presented in the following tables, discussions of which follow.

Table 1. Hazardous materials incidents, 1995-2002, California counties.

	1995	1996	1997	1998	1999	2000	2001	2002
Incidents	8	3	7	7	5	11	10	4
Environmental Damage	0	0	0	0	0	0	0	0

1. data represent all modes of transportation
2. California counties: Nevada, Placer, and Sierra
3. 1995-2002 is the total time range of the existing data base

Table 2. Hazardous materials incidents, 1995-2002, Washoe County, Nevada.

	1995	1996	1997	1998	1999	2000	2001	2002
Incidents	25	12	23	18	19	19	49	20
Environmental Damage	0	0	0	0	0	0	0	0

1. many Washoe County incidents are in the industrial area of Sparks.
2. of the 175 total incidents, 1995-2002, 28 of the incidents occurred during rail transport.

Table 3a. Rail accident data, 1975-1989, California counties.

[illegible]

1. California counties are Nevada, Placer, and Sierra.

Table 3b. Rail accident data, 1990-2006, California counties.

[illegible]

1. California counties are Nevada, Placer, and Sierra.

Table 4a. Rail accident data, 1975-1989, Washoe County, Nevada.

[illegible]

Table 4b. Rail accident data, 1990-2006, Washoe County, Nevada.

	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06
Accidents (total)	1	0	6	1	3	0	0	1	1	1	0	2	0	4	1	1	6
Accidents, hazmat involved	0	0	1	0	2	0	0	1	1	0	0	0	0	0	0	0	1
Accidents, hazmat cars damaged	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Accidents, hazmat released	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
People evac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes: Tables 3 and 4 are summaries of the data presented in Appendix 1.

Table 5. Summary table for California and Nevada, including hypothesis testing comparing the time period, 1975-1989, to the time period, 1990-2006. Null hypothesis: H_0 : $\text{Mean}_{75-89} = \text{Mean}_{90-06}$ and the alternative hypothesis, H_a , holds that the two means are not equal should the null hypothesis be rejected.

	CA, total	NV, total	CA, haz1	NV, haz1	CA, haz2	NV, haz2	CA, haz3	NV, haz3	CA, haz4	NV, haz4
1975	19	4	0	0	0	0	0	0	0	0
1976	21	4	1	0	0	0	0	0	0	0
1977	23	8	4	1	1	0	0	0	0	0
1978	29	12	3	1	2	0	1	0	0	0
1979	26	8	0	0	0	0	0	0	0	0
1980	30	0	3	0	2	0	0	0	0	0
1981	19	4	1	1	1	1	0	0	0	0
1982	11	4	0	0	0	0	0	0	0	0
1983	32	1	0	0	0	0	0	0	0	0
1984	7	6	0	0	0	0	0	0	0	0
1985	13	1	1	0	1	0	0	0	0	0
1986	1	2	0	0	0	0	0	0	0	0
1987	7	2	1	1	1	1	0	0	0	0
1988	6	0	1	0	1	0	1	0	1	0
1989	7	1	2	0	1	0	0	0	0	0
1990	9	1	0	0	0	0	0	0	0	0
1991	10	0	3	0	3	0	0	0	0	0
1992	2	6	1	1	1	0	0	0	0	0
1993	5	1	1	0	0	0	0	0	0	0
1994	14	3	3	2	1	0	0	0	0	0
1995	15	0	1	0	1	0	0	0	0	0
1996	8	0	1	0	0	0	0	0	0	0
1997	3	1	0	1	0	0	0	0	0	0
1998	8	1	2	1	1	0	0	0	0	0
1999	5	1	2	0	2	0	0	0	0	0
2000	4	0	0	0	0	0	0	0	0	0
2001	11	2	4	0	0	0	0	0	0	0
2002	12	0	3	0	0	0	0	0	0	0
2003	18	4	0	0	0	0	0	0	0	0
2004	9	1	2	0	1	0	0	0	0	0
2005	9	1	1	0	0	0	0	0	0	0
2006	8	6	0	1	0	1	0	0	0	0
Total	401	85	41	10	20	3	2	0	1	0
Mean, 1975-2006	12.53125	2.65625	1.28125	0.3125	0.625	0.09375	0.0625	0	0.03125	0
Mean, 1975-1990	16.25	3.625	1.0625	0.25	0.625	0.125	0.125	0	0.0625	0

Mean, 1991-2006	8.8125	1.6875	1.5	0.375	0.625	0.0625	0	0	0	0
Variance, 1975-2006	71.16028	8.555443	1.628024	0.286290	0.629032	0.087701	0.060483	0	0.03125	0
Variance, 1975-1990	97.53333	11.58333	1.6625	0.2	0.516666	0.116666	0.116666	0	0.0625	0
Variance, 1991-2006	20.02916	4.095833	1.6	0.383333	0.783333	0.0625	0	0	0	0
t, statistic	0.970090	0.252712	-0.057064	-0.016304	0	0.008152	0.016304	0	0.008152	0
Table t	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
Reject null hypothesis	No	No	No	No	No	No	No	No	No	No
haz1: cars carrying haz										
haz2: cars damaged										
haz3: haz released										
haz4: people evac										

Table 6. Frequency of rail accidents, hazmat involved in the accident, cars carrying hazmat being damaged, hazmat being released, and people evacuated because of a hazmat release for any given year.

	Annual frequency, rail accidents	Annual frequency, hazmat involved in an accident (haz1)	Annual frequency, hazmat cars damaged in an accident (haz2)	Annual frequency, hazmat released during an accident (haz3)	Annual frequency, people evacuated due to hazmat released (haz4)
California	12.53	1.28	0.63	0.06	0.03 (**)
Nevada	2.65	0.31	0.09	*	*

*Has not occurred in the time frame, 1975-2006, so frequency is not yet defined or known.

**1 incident, 1975-2006, Newcastle, California, 1988, Sacramento River watershed.

2.1. Discussion.

Table 5 is significant because it shows that there is no statistically significant difference in the average rail accident rate for the time interval, 1975-1990, and the time interval, 1991-2006. This outcome suggests that accident rates quoted in this report can, with confidence, be taken as representative of future accident rates. This discovery, moreover, indicates that accidents tend to be random outcomes, and consequently constant over time, and are not influenced by any systemic factors, such as variability in operation procedures resulting from human decision processes. Rail accidents are modeled well as random variables in time.

Other conclusions from the foregoing tables (as well as Appendices 1 and 2) are:

- **No accident on highway (as inferred from the incident data, Tables 1 and 2), or on rail has resulted in a release of hazardous materials within the Truckee River watershed in the time period, 1975-2006;** two (2) accidents resulted in release of hazardous materials in Placer County, California, within the time frame of this study, 1975-2006, one of which was severe and forced the evacuation of citizens from Newcastle, California in 1988; both Placer County incidents occurred within the Sacramento River watershed. Note that Appendix 2 presents the summaries of hazmat incidents reported for Washoe County, and

California counties, Nevada, Sierra, and Placer, for the time period, 1995-2002.

- Rail accidents occurring in California are potentially more severe than are those occurring in Nevada with more hazmat substances likely to be involved and cars carrying hazmat substances likely to be damaged severely enough to cause a release of hazardous materials; however, no rail accident in California has resulted in a release of a hazmat substance within the Truckee River watershed over the time period of this study.
- Table 5 mean values for the entire time period, 1975-2006, suggest that the frequency of rail cars carrying hazardous materials is about 10%. This value is that which was used in the first risk assessment study that was conducted in 1997. But, when looking at the mean values for the period, 1991-2006, this frequency appears to be closer to 20%, double the value used in the original 1997 risk assessment. This frequency is inferred from the notion that $F(\text{total Accident}) \times F(\text{hazmat}) = F(\text{hazmat is involved in an accident})$. In the total time period, 1975-2006, $F(\text{total accidents, CA})$ is 12.53 and $F(\text{total accidents, NV})$ is 2.66. $F(\text{hazmat involved in accident, CA})$ is 1.28 and $F(\text{hazmat involved in accident, NV})$ is 0.31. Dividing $F(\text{hazmat involved in accident})$ by $F(\text{total accident})$ for each state yields $F(\text{hazmat, CA}) = 1.28/12.53 = 0.10$ (10%) and $F(\text{hazmat, NV}) = 0.31/2.66 = 0.12$ (12%). For the time period, 1991-2006, these values are $F(\text{hazmat, CA}) = 1.5/8.81 = 0.17$ (17%) and $F(\text{hazmat, NV}) = 0.375/1.69 = 0.22$ (22%). For the time period, 1975-1990, these frequency values are 6.5%, CA, and 6.9%, NV.
- *The frequency of hazmat transport by rail is significantly greater in the interval of time since 1991, yet there is no statistically significant difference in the frequency of accidents involving hazmat, accidents severe enough to cause damage to cars carrying hazmat, and accidents causing a release of hazmat between the two intervals of time, 1975-1990, and 1991-2006.*

3. A summary of risk based on accident and incident statistics.

In the present study, actual transportation statistics are used to test the probability based risk calculations that were developed in the 1997 study. Due principally to the lack of accessible transportation data, the 1997 study relied heavily on conceptual calculations of risk. These calculations yielded conditional probabilities that were the products of two or more probabilities of individual events. For example, the 1997 study presented risk values that were thought to provide an estimate of maximum risk as:

$$P(\text{hazmat} | \text{accident}) = P(\text{accident}) \times P(\text{hazmat})$$

Then, progressively more realistic calculations were presented by adding additional probability components, such as:

$$P(\text{release} | \text{hazmat} | \text{accident}) = P(\text{accident severity}) \times P(\text{accident}) \times P(\text{hazmat})$$

Further, components such as geographic location were added to these calculations.

All risk calculations presented in the 1997 study were conceptual. No data were available to test these calculations. The approach used in the present study is to use actual data, now readily available and comprehensive, to evaluate the risk assessment presented in the 1997 study. Table 7 summarizes the comparison.

Table 7. A comparison of risk calculations, 1997, versus actual data, 2007.

Risk Factor	1997-Calif	1997-Nev	2007-Calif	2007-NV
P(accident), Rail	3.9/year	0.9/year	12.53/year	2.66/year
P(accident), highway	1.14/day, I80	1.14/day, I80 0.42/day, US395	27.6/day (entire state)	1.65/day (entire state)
P(HazMat), Rail	10% (0.1)	10% (0.1)	20% (0.20)	20% (0.20)
P(HazMat), highway	0.0056, I80	0.0056, I80 0.001, US395	1.6% (0.016)	1.6% (0.016)
P(Hazmat Accident) Rail, computed	0.38/year	0.29/year	2.51/year	0.53/year
P(Hazmat Accident) Rail, Actual (haz1)	No data	No data	1.28/year	0.31/year
P(Hazmat Accident) Highway, computed	0.0064/day, I80	0.0064/day, I80 0.00042/day, 395	0.44/day (161/year)	0.026/day (9.5/year)
P(Hazmat Accident) Highway, Actual	No data	No data	0.36/day (131/year) Entire state	0.031/day (11.3/year) Entire state
P(damage Haz acc) Rail, Actual Damage includes derailment, but does not include spillage	Not computed No data	Not computed No data	No event in TR watershed, 1975-2006; 0.16/yr Placer Co., Sacramento R water shed, not in yard	2 events in Washoe County 1975-2006, both in Sparks rail yard.
P(spill Haz acc) Rail, Computed	0.0125/year	0.0065/year	<0.035/year	<0.0035/year
P(spill Haz acc) Rail, Actual	No data	No data	2 events, 1975-2006; Sacramento River Watershed	No event, 1975-2006 P is undefined (small)
P(spill Haz acc) Highway, Computed	0.71/year	0.35/year	<0.11 Inferred from actual	<0.11 Inferred from actual
P(spill Haz acc) Highway, Actual	No data	No data	No event, 1995-2002; P is undefined (small)	No event, 1995-2002 P is undefined (small)
P(TR spill Haz acc), Rail, Actual	No data	No data	No event, 1975-2006; P is undefined (small)	No event, 1975-2006; P is

Note: TR=Truckee R. Watershed				undefined (small)
P(TR spill Haz acc), Highway, Actual Note: TR=Truckee R. Watershed	No data	No data	No event, 1995 – 2002; P is undefined (small); Placer, NV, Sierra Counties	No event, 1995 – 2002; P is undefined (small) Washoe Co.

Notes: P(incident), rail comes from FRA web site:

<http://safetydata.fra.dot.gov/OfficeofSafety/Query/default.asp?page=incabbr.asp>

P(incident), highway is from Bureau of Transportation Statistics web site: <http://www.transtats.bts.gov/>

P(HazMat), rail and highway, for 2007 is back calculated as: $P(\text{haz} | \text{acc}) / P(\text{incident})$

$P(\text{haz} | \text{acc})$, rail excludes accidents within rail yards

$P(\text{spill} | \text{Haz} | \text{acc})$, computed = $P(\text{spill}) \times P(\text{haz} | \text{acc})$; $P(\text{spill})$, rail, 2007, CA&NV = $[P(\text{spill} | \text{Haz} | \text{acc})$, rail, actual, CA] which is equal to 1 event in 31 years (0.032); $P(\text{Spill})$, highway = 0.125/year

No accident on rail has resulted in a Hazmat spill within the Truckee River watershed, 1975-2006

No accident on the highway has resulted in a Hazmat spill within the Truckee R. watershed, 1995-2002.

3.1. Discussion.

Key findings are:

- For California, $P(\text{hazmat} | \text{accident})$, for rail transport of hazmat, is 3 to 4 times higher in actuality than what was computed in the 1997 study (1.28 events per year compared to 0.38 events per year). For Washoe County, Nevada, the two values, computed and actual, are more similar, 0.29/year and 0.31/year respectively. If rail accidents within the Sparks rail yard are discounted, then the rate for Washoe County drops by half to 0.16/year.
- If Placer County rail accident data are discounted, then the actual $P(\text{hazmat} | \text{accident})$ risk changes from 1.28 events per year to 1 event in 32 years that happened in 1977 near Norden, California west of Donner Lake (see Appendix 1 for the individual counties). Given that Placer County includes only a small portion of the rail line within the Truckee River watershed, likewise Sierra County includes only a small portion of the rail line near the Truckee River, then a rail accident severe enough to release hazmat into the river is most likely to occur in Nevada County. The rate of 1 accident in 32 years (0.03 per year) is more realistic for the California risk. **Accordingly, risk of hazmat contamination to the Truckee River originating from a rail accident might be considered negligible.** This statement is underscored by the fact that no accident on rail has caused a hazmat incident within the Truckee River watershed since 1975.
- Highway data remain difficult to obtain for anything more detailed than a summary by state. This was also a limitation of the 1997 study. But, given the very detailed HMIRS data base, **hazmat incidents** are accessible for individual counties for each state. A hazmat incident is a spill of a hazardous material, any spill regardless of cause. Because incidents include a release of hazardous material during an accident, the HMIRS

data base is valuable for inferring $P(\text{spill}|\text{hazmat}|\text{accident})$ for any mode of transportation. The values reported in Table 7 for highway are inferences based on the HMIRS data base.

- Based on the HMIRS data base, $P(\text{spill}|\text{hazmat}|\text{accident})$ for highway is no greater than 0.11 per year, given the fact that no hazmat incident is associated with a highway accident within the Truckee River watershed in the time period, 1995-2002. Note that the HMIRS database, whereas comprehensive for individual counties, only comprises data within the timeframe, 1995-2002.

4. Geographic context of risk.

It is noted in section 3.1 that the Truckee River is most vulnerable to contamination from hazmat released during a rail accident occurring within Nevada County. *Conservatively placing the release in the Truckee River at the Nevada County border with Sierra County, such contamination would occur 12 miles (20 kilometers) upstream of the Chaulk Bluff water treatment plant.* Because train speeds are low within Nevada, Sierra, and western Washoe Counties, risk to the Truckee River of hazmat contamination originating from rail transport is considered to be negligible.

Risk to the Truckee River of hazmat contamination is much higher for highway transport due to much greater accident frequency. A hazmat incident caused by a highway accident is considered a threat to the Truckee River only for the I-80 route. Transportation along U.S. 395 is discounted because an accident on this highway is a minimal threat to municipal water supply because only a small segment is within spatial proximity of the Truckee River such that contamination is possible. The much larger threat to the Truckee River is attributed to I-80 because this highway is much closer to the river for a considerably longer distance.

For I-80, westward travel from Reno to Donner Summit is discounted for two reasons. For one, traffic speeds are lower for west bound travel for this highway segment because of a significant increase in elevation. And two, the westbound lanes are separated from the Truckee River by the east bound lanes providing some buffer should an accident occur. Eastbound travel on I-80 from the Donner Summit to Reno is considered to be a much larger threat. Elevation drop is significant and highway grades are consequently steep. From two miles west of Boca Reservoir exit to Verdi, Nevada, eastbound I-80 is so close to the Truckee River that contamination could easily result from an accident. Because of the steep downward grades, larger vehicles are vulnerable to loss of braking ability. Given this geographic context, risk to the Truckee River from hazmat contamination is considered to be a significant concern with respect to highway transport. *Conservatively, given that an accident as far east as Verdi, Nevada*

could potentially contaminate the Truckee River, a distance of 8 miles (13 km) upstream of the Chaulk Bluff water treatment plant, this event represents the worst-case scenario for river contamination by I-80 transport.

5. Summary and Conclusions.

The 1997 risk assessment study estimated that the Truckee River was vulnerable to contamination by either rail or highway accidents approximately once every 30 years. Actual data quoted in the present study show that no such contamination to the Truckee River has occurred since 1975, a 32-year period of time. **Risk quoted in the 1997 study remains conservative and realistic.**

Although Placer County data were obtained and analyzed in this study, so little rail and highway traffic within Placer County represent a threat to the Truckee River watershed that average accident rates for California based in part on Placer County data actually overestimate risk. Highway and rail data for Nevada and Sierra Counties provide more realistic assessment of risk. For this reason, risk to the Truckee River from contamination by a rail accident is thought to be so small that it may be considered to be negligible.

Based on the geographic context, the most likely contamination of the Truckee River by hazmat will come from a release during an accident involving eastbound traffic on I-80 from two miles west of the Boca Reservoir exit to Verdi, Nevada. The most accurate estimate of the likelihood of such an event is based on the HMIRS data base for the timeframe, 1995 to 2002. No such event occurred within this period of time (and has not occurred after 2002 to present). The probability of such a contamination is no greater than 0.08, or no greater than 1 event every 12 years.

6. Recommendations.

This report summarizes historical accident data that are readily available through Internet access. Rail accidents are shown to be random events and the rail accident average rate is considered to be representative of future rates. The amount of hazmat transported by rail and highway may fluctuate, yet this report suggests that this has little influence on actual risk.

Two significant unknowns are: 1) what is the actual frequency of hazmat release by an accident on highway or rail; and 2) what is the actual frequency of hazmat contamination to the Truckee River. Because neither of these events is present in the historic record, 1975-2006, these two frequencies remain undefined. It is recommended that the two data bases, HMIRS and the Federal Railroad Administration data base, be accessed annually and the data base updated to monitor these two important events.

Appendix 1. Rail Accident Data, 1975-2006. In the following order: 1. Washoe County, Nevada; 2. Nevada County, California; 3. Placer County, California; and 4. Sierra County, California.

1975: Washoe County, Nevada (all accidents)

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	23775	55A	03	04	NV	WASHOE	Main	UP	Der	E62C	-	790	1,730	0	0	FREIGHT TRAIN	000	0	2
2	UP	46205	55A	04	20	NV	WASHOE	Main	UP	Der	E53C	-	304,000	30,000	0	0	FREIGHT TRAIN	045	0	17
3	UP	48535	55A	07	27	NV	WASHOE	Main	UP	Der	M599	-	38,050	30,900	0	1	FREIGHT TRAIN	045	8	20
4	UP	51825	55A	11	22	NV	WASHOE	Yard	UP	Der	E64C	-	3,150	750	0	0	FREIGHT TRAIN	010	0	4

1975: Washoe County, Nevada (accidents involving cars carrying hazmat): none.

1976: Washoe County, Nevada (all accidents)

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	234976	55A	03	30	NV	WASHOE	Main	UP	Der	E03C	-	500	6,700	0	0	FREIGHT TRAIN	055	0	1
1	UP	46336	55A	03	30	NV	WASHOE	Industry	UP	Der	E03C	-	500	0	0	0	FREIGHT TRAIN	050	0	1
2	UP	243576	55A	04	28	NV	WASHOE	Main	UP	Der	E49C	-	44,000	25,000	0	0	FREIGHT TRAIN	035	0	21
3	UP	53196	55A	08	24	NV	WASHOE	Yard	UP	Der	H701	-	775	1,306	0	0	LIGHT LOCO(S)	003	2	0
4	UP	2121076	55A	12	15	NV	WASHOE	Main	UP	Oth	E03C	-	4,000	0	0	0	FREIGHT TRAIN	050	0	0

1976: Washoe County, Nevada (accidents involving cars carrying hazmat): none.

1977: Washoe County, Nevada (all accidents)

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	221477	55A	02	21	NV	WASHOE	Yard	UP	Der	H020	-	6,800	740	0	0	CUT OF CARS	000	0	4
2	UP	241677	55A	04	25	NV	WASHOE	Yard	UP	Der	H401	-	3,000	125	0	0	FREIGHT TRAIN	005	0	3
3	UP	47437	55A	04	30	NV	WASHOE	Yard	UP	Der	M204	-	4,000	0	0	2	YARD/SWITCHING	005	0	1
4	UP	49977	55A	07	16	NV	WASHOE	Main	UP	Der	E00C	-	4,100	475	0	0	FREIGHT TRAIN	011	0	3
5	UP	50207	55A	07	20	NV	WASHOE	Industry	UP	Oth	E06C	-	16,600	0	0	0	FREIGHT TRAIN	045	0	0
5	UP	274477	55A	07	20	NV	WASHOE	Main	UP	Oth	E06C	-	0	6,974	0	0	FREIGHT TRAIN	000	0	0
6	UP	273677	55A	07	22	NV	WASHOE	Main	UP	Coll	H601	-	9,000	0	0	0	FREIGHT TRAIN	010	0	0
7	UP	274377	55A	07	29	NV	WASHOE	Main	UP	Der	E51C	-	8,500	10,675	0	0	FREIGHT TRAIN	040	0	2
8	UP	51627	55A	08	24	NV	WASHOE	Main	UP	Oth	M399	-	3,000	0	0	0	FREIGHT TRAIN	040	0	0

1977: Washoe County, Nevada (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	274377	55A	07	29	NV	WASHOE	Main	UP	Der	E51C	-	8,500	10,675	0	0	FREIGHT TRAIN	040	0	2

1977: Washoe County, Nevada (accidents involving cars carrying hazmat that were damaged): none.

1978: Washoe County, Nevada (all accidents)

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	45088	55A	01	20	NV	WASHOE	Yard	UP	Der	T110	-	3,500	3,568	0	0	YARD/SWITCHING	006	0	2
2	UP	47548	55A	04	01	NV	WASHOE	Yard	UP	Der	T001	-	800	3,336	0	0	YARD/SWITCHING	007	0	2
3	UP	47918	55A	04	22	NV	WASHOE	Main	UP	Der	E68C	-	3,000	3,611	0	0	FREIGHT TRAIN	050	0	1
4	UP	50708	55A	07	01	NV	WASHOE	Main	UP	Coll	E39C	-	65,000	0	0	0	CUT OF CARS	020	0	5
4	UP	50708	55A	07	01	NV	WASHOE	Yard	UP	Coll	E39C	-	8,500	0	0	0	CUT OF CARS	000	0	3
4	UP	50708	55A	07	01	NV	WASHOE	Main	UP	Coll	E39C	-	0	4,742	0	0	FREIGHT TRAIN	000	0	0
5	UP	51388	55A	07	28	NV	WASHOE	Main	UP	Der	E40C	-	1,500	18,500	0	0	FREIGHT TRAIN	010	0	1
6	UP	273978	55A	07	30	NV	WASHOE	Main	UP	Der	E52C	-	33,000	9,500	0	0	FREIGHT TRAIN	025	0	2
7	UP	52288	55A	08	02	NV	WASHOE	Yard	UP	Der	T314	-	1,750	3,755	0	0	FREIGHT TRAIN	005	0	8
8	UP	283578	55A	08	24	NV	WASHOE	Main	UP	Oth	E99L	-	25,365	295	0	0	FREIGHT TRAIN	040	0	0
9	UP	283678	55A	08	24	NV	WASHOE	Main	UP	Oth	M599	-	7,110	1,040	0	0	FREIGHT TRAIN	030	0	0
10	UP	53968	55A	09	14	NV	WASHOE	Yard	UP	Oth	E39C	-	2,500	252	0	0	CUT OF CARS	005	0	0
11	UP	54068	55A	10	09	NV	WASHOE	Main	UP	Der	H209	-	22,500	0	0	0	FREIGHT TRAIN	000	0	5
11	UP	54068	55A	10	09	NV	WASHOE	Main	UP	Der	H209	-	3,900	0	0	0	FREIGHT TRAIN	000	0	5
11	UP	54068	55A	10	09	NV	WASHOE	Main	UP	Der	H209	-	0	5,000	0	0	CUT OF CARS	010	0	0
12	UP	2121178	55A	12	09	NV	WASHOE	Yard	UP	Der	H503	-	18,500	0	0	2	FREIGHT TRAIN	025	0	4

1978: Washoe County, Nevada (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	273978	55A	07	30	NV	WASHOE	Main	UP	Der	E52C	-	33,000	9,500	0	0	FREIGHT TRAIN	025	0	2

1978: Washoe County, Nevada (accidents, cars carrying hazmat/damaged): none.

1979: Washoe County, Nevada (all accidents)

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	21879	55A	01	05	NV	WASHOE	Main	UP	Der	E62C	-	3,100	845	0	0	FREIGHT TRAIN	060	0	1
2	UP	44879	55A	01	20	NV	WASHOE	Main	UP	Oth	M404	-	3,550	0	0	0	FREIGHT TRAIN	040	0	0
3	UP	49899	55A	05	10	NV	WASHOE	Main	UP	Oth	M399	-	6,900	0	0	0	FREIGHT TRAIN	045	0	0
4	UP	51349	55A	05	29	NV	WASHOE	Siding	UP	Oth	E06C	-	9,950	0	0	0	FREIGHT TRAIN	035	0	0
4	UP	ROW5479	55A	05	29	NV	WASHOE	Main	UP	Oth	E06C	-	0	993	0	0	NOT RPD OR N/A	000	0	0
5	UP	273979	55A	07	31	NV	WASHOE	Main	UP	Oth	E52C	-	3,438	0	0	0	FREIGHT TRAIN	030	0	0
6	UP	R2949	55A	09	13	NV	WASHOE	Main	UP	Der	H702	-	0	3,500	0	0	LIGHT LOCO(S)	004	2	0
7	UP	211379	55A	11	01	NV	WASHOE	Main	UP	Der	T201	-	44,000	24,990	0	0	FREIGHT TRAIN	055	0	10
8	UP	R8969	55A	12	06	NV	WASHOE	Yard	UP	Oth	H999	-	5,000	5,100	0	0	LIGHT LOCO(S)	005	2	0

1979: Washoe County, Nevada (accidents involving cars carrying hazmat): none.

1980: Washoe County, Nevada; no rail accidents reported this year.

1981: Washoe County, Nevada (all accidents)

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	52981	55A	03	06	NV	WASHOE	Main	UP	Coll	H402	-	4,180	0	0	0	SINGLE CAR	000	0	0
1	UP	233881	55A	03	06	NV	WASHOE	Main	UP	Coll	H402	-	0	0	0	0	FREIGHT TRAIN	045	0	0
2	UP	55101	55A	05	14	NV	WASHOE	Yard	UP	Der	T315	-	2,900	25,000	0	0	YARD/SWITCHING	005	0	5
3	UP	56381	55A	06	15	NV	WASHOE	Main	UP	Der	H702	-	800	10,300	0	0	YARD/SWITCHING	005	0	3
4	UP	63131	55A	12	14	NV	WASHOE	Main	UP	Der	H702	-	12,000	14,000	0	0	YARD/SWITCHING	004	0	4

1981: Washoe County, Nevada (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	56381	55A	06	15	NV	WASHOE	Main	UP	Der	H702	-	800	10,300	0	0	YARD/SWITCHING	005	0	3

1981: Washoe County, Nevada (accidents involving cars carrying hazmat that were damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	56381	55A	06	15	NV	WASHOE	Main	UP	Der	H702	-	800	10,300	0	0	YARD/SWITCHING	005	0	3

1981: Washoe County, Nevada (accidents in which hazmat released): none.

1982: Washoe County, Nevada (all accidents)

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	ATK	032482B	55A	03	24	NV	WASHOE	Yard	UP	Der	H306	-	14,300	0	0	0	YARD/SWITCHING	003	0	1
1	UP	52732	55A	03	24	NV	WASHOE	Yard	UP	Der	H306	-	0	0	0	0	YARD/SWITCHING	003	0	1
2	UP	272082	55A	07	27	NV	WASHOE	Main	UP	Der	H017	-	147,600	2,400	0	0	LIGHT LOCO(S)	000	2	0
3	UP	56742	55A	08	12	NV	WASHOE	Yard	UP	Coll	H999	-	19,000	0	0	0	FREIGHT TRAIN	000	0	0
3	UP	56742	55A	08	12	NV	WASHOE	Yard	UP	Coll	H999	-	4,000	415	0	0	YARD/SWITCHING	010	1	0
4	UP	57112	55A	08	23	NV	WASHOE	Yard	UP	Oth	H601	H525	24,400	3,000	0	0	YARD/SWITCHING	015	0	3

1982: Washoe County, Nevada (accidents involving cars carrying hazmat): none.

1983: Washoe County, Nevada (all accidents).

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	57693	55A	08	18	NV	WASHOE	Yard	UP	Oth	H702	-	26,500	7,800	0	0	FREIGHT TRAIN	008	1	0

1983: Washoe County, Nevada (accidents involving cars carrying hazmat): none.

1984: Washoe County, Nevada (all accidents).

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50004	55A	01	02	NV	WASHOE	Main	UP	Der	E00C	-	4,570	5,000	0	0	FREIGHT TRAIN	028	0	3
2	UP	0184WP218	55A	01	25	NV	WASHOE	Main	UP	Der	T110	-	131,400	38,800	0	0	FREIGHT TRAIN	040	0	24
3	UP	52404	55A	03	31	NV	WASHOE	Main	UP	Der	H704	-	8,250	7,000	0	0	FREIGHT TRAIN	005	3	0
4	UP	55614	55A	06	23	NV	WASHOE	Industry	UP	Der	E49C	-	2,600	0	0	0	FREIGHT TRAIN	045	0	1
4	UP	0684WP212	55A	06	23	NV	WASHOE	Main	UP	Der	E49C	-	0	16,790	0	0	NOT RPD OR N/A	000	0	0
5	UP	59494	55A	09	21	NV	WASHOE	Main	UP	Oth	H305	-	8,953	0	0	0	SINGLE CAR	000	0	1
5	UP	59494	55A	09	21	NV	WASHOE	Main	UP	Oth	H305	-	0	0	0	0	FREIGHT TRAIN	020	0	0
6	UP	59294	55A	09	27	NV	WASHOE	Main	UP	Oth	H704	-	9,250	4,000	0	0	FREIGHT TRAIN	007	1	4

1984: Washoe County, Nevada (accidents involving cars carrying hazmat): none.

1985: Washoe County, Nevada (all accidents)

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0385FR204	55A	03	16	NV	WASHOE	Main	UP	Der	E39C	-	5,000	3,500	0	0	FREIGHT TRAIN	021	0	1

1985: Washoe County, Nevada (accidents involving cars carrying hazmat): none.

1986: Washoe County, Nevada (all accidents).

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
<u>1</u>	<u>UP</u>	<u>0186FR202</u>	<u>55A</u>	<u>01</u>	<u>17</u>	<u>NV</u>	<u>WASHOE</u>	<u>Main</u>	<u>UP</u>	<u>Der</u>	<u>E51C</u>	-	<u>169,156</u>	<u>30,500</u>	<u>0</u>	<u>0</u>	<u>FREIGHT TRAIN</u>	<u>045</u>	<u>0</u>	<u>10</u>
<u>2</u>	<u>UP</u>	<u>56546</u>	<u>55A</u>	<u>09</u>	<u>21</u>	<u>NV</u>	<u>WASHOE</u>	<u>Main</u>	<u>UP</u>	<u>Der</u>	<u>M207</u>	-	<u>6,300</u>	<u>15,000</u>	<u>0</u>	<u>0</u>	<u>FREIGHT TRAIN</u>	<u>004</u>	<u>0</u>	

1986: Washoe County, Nevada (accidents involving cars carrying hazmat): none.

1987: Washoe County, Nevada (all accidents).

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
<u>1</u>	<u>UP</u>	<u>53807</u>	<u>55A</u>	<u>05</u>	<u>17</u>	<u>NV</u>	<u>WASHOE</u>	<u>Yard</u>	<u>UP</u>	<u>Der</u>	<u>E64C</u>	-	<u>12,300</u>	<u>2,000</u>	<u>0</u>	<u>0</u>	<u>FREIGHT TRAIN</u>	<u>003</u>	<u>0</u>	<u>5</u>
<u>2</u>	<u>UP</u>	<u>59377</u>	<u>55A</u>	<u>12</u>	<u>04</u>	<u>NV</u>	<u>WASHOE</u>	<u>Main</u>	<u>UP</u>	<u>Der</u>	<u>E53C</u>	-	<u>400</u>	<u>9,000</u>	<u>0</u>	<u>0</u>	<u>FREIGHT TRAIN</u>	<u>040</u>	<u>0</u>	<u>1</u>

1987: Washoe County, Nevada (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
<u>1</u>	<u>UP</u>	<u>53807</u>	<u>55A</u>	<u>05</u>	<u>17</u>	<u>NV</u>	<u>WASHOE</u>	<u>Yard</u>	<u>UP</u>	<u>Der</u>	<u>E64C</u>	-	<u>12,300</u>	<u>2,000</u>	<u>0</u>	<u>0</u>	<u>FREIGHT TRAIN</u>	<u>003</u>	<u>0</u>	<u>5</u>

1987: Washoe County, Nevada (accidents involving cars carrying hazmat that were damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
<u>1</u>	<u>UP</u>	<u>53807</u>	<u>55A</u>	<u>05</u>	<u>17</u>	<u>NV</u>	<u>WASHOE</u>	<u>Yard</u>	<u>UP</u>	<u>Der</u>	<u>E64C</u>	-	<u>12,300</u>	<u>2,000</u>	<u>0</u>	<u>0</u>	<u>FREIGHT TRAIN</u>	<u>003</u>	<u>0</u>	<u>5</u>

1987: Washoe County, Nevada (accidents involving release of hazmat): none.

1988: Washoe County, Nevada; no accidents reported this year.

1989: Washoe County, Nevada (all accidents).

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
<u>1</u>	<u>UP</u>	<u>1089FR206</u>	<u>55A</u>	<u>10</u>	<u>11</u>	<u>NV</u>	<u>WASHOE</u>	<u>Main</u>	<u>UP</u>	<u>Der</u>	<u>E53C</u>	-	<u>4,500</u>	<u>30,000</u>	<u>0</u>	<u>0</u>	<u>FREIGHT TRAIN</u>	<u>020</u>	<u>0</u>	<u>4</u>

1989: Washoe County, Nevada (accidents involving cars carrying hazmat): none.

1990: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
<u>1</u>	<u>UP</u>	<u>0590FR204</u>	<u>55A</u>	<u>05</u>	<u>07</u>	<u>NV</u>	<u>WASHOE</u>	<u>Yard</u>	<u>UP</u>	<u>Coll</u>	<u>E79L</u>		<u>8,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>LIGHT LOCO(S)</u>	<u>016</u>	<u>1</u>	<u>0</u>
<u>1</u>	<u>UP</u>	<u>0590FR204</u>	<u>55A</u>	<u>05</u>	<u>07</u>	<u>NV</u>	<u>WASHOE</u>	<u>Yard</u>	<u>UP</u>	<u>Coll</u>	<u>E79L</u>		<u>4,500</u>	<u>311</u>	<u>0</u>	<u>0</u>	<u>CUT OF CARS</u>	<u>000</u>	<u>0</u>	<u>1</u>

1990: Washoe County, Nevada (accidents involving cars carrying hazmat): none

1991: Washoe County, Nevada (all accidents): none.

1992: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	Q0212	55A	02	26	NV	WASHOE	Main	UP	Der	H210	-	32,000	1,000	0	0	FREIGHT TRAIN	010	0	4
2	UP	Q0362	55A	03	05	NV	WASHOE	Yard	UP	Coll	H399	-	17,500	1,000	0	0	LIGHT LOCO(S)	003	0	0
2	UP	Q0362	55A	03	05	NV	WASHOE	Yard	UP	Coll	H399	-	0	0	0	0	YARD/SWITCHING	000	0	3
3	UP	0692FR017	55A	06	26	NV	WASHOE	Industry	UP	Der	T108	-	14,900	2,000	0	0	FREIGHT TRAIN	005	1	5
4	UP	0992FR002	55A	09	04	NV	WASHOE	Siding	UP	Der	T110	T222	19,800	75,000	0	0	FREIGHT TRAIN	015	0	4
5	UP	Q3322	55A	12	08	NV	WASHOE	Yard	UP	Der	T110	-	13,700	4,500	0	0	FREIGHT TRAIN	007	2	3
6	UP	1292FR014	55A	12	31	NV	WASHOE	Main	UP	Der	H306	-	8,000	30,000	0	0	FREIGHT TRAIN	011	0	6

1992: Washoe County, Nevada (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	Q0212	55A	02	26	NV	WASHOE	Main	UP	Der	H210	-	32,000	1,000	0	0	FREIGHT TRAIN	010	0	4

1992: Washoe County, Nevada (accidents, cars carrying hazmat/damaged): None.

1993: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	Q0303	55A	12	20	NV	WASHOE	Main	UP	Der	M207	-	2,500	27,500	0	0	FREIGHT TRAIN	025	0	1

1993: Washoe County, Nevada (accidents involving cars carrying hazmat): None.

1994: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0194LA019	55A	01	20	NV	WASHOE	Siding	UP	Der	M502	-	9,000	500	0	0	CUT OF CARS	002	0	3
2	UP	0994LA015	55A	09	27	NV	WASHOE	Yard	UP	Der	T399	-	2,000	6,000	0	0	FREIGHT TRAIN	005	2	0
3	UP	Q0214	55A	11	23	NV	WASHOE	Main	UP	Oth	M399	-	12,000	51,340	0	0	FREIGHT TRAIN	055	0	0

1994: Washoe County, Nevada (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0994LA015	55A	09	27	NV	WASHOE	Yard	UP	Der	T399	-	2,000	6,000	0	0	FREIGHT TRAIN	005	2	0
2	UP	Q0214	55A	11	23	NV	WASHOE	Main	UP	Oth	M399	-	12,000	51,340	0	0	FREIGHT TRAIN	055	0	0

1994: Washoe County, Nevada (accidents, cars carrying hazmat/damaged): None.

1995: Washoe County, Nevada (all accidents): None.

1996: Washoe County, Nevada (all accidents): None.

1997: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1197RS022	55A	11	19	NV	WASHOE	Yard	UP	Der	H704	-	5,800	11,000	0	0	FREIGHT TRAIN	006	0	9

1997: Washoe County, Nevada (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1197RS022	55A	11	19	NV	WASHOE	Yard	UP	Der	H704	-	5,800	11,000	0	0	FREIGHT TRAIN	006	0	9

1997: Washoe County, Nevada (accidents, cars carrying hazmat/damaged): None.

1998: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0998RS001	55A	09	01	NV	WASHOE	Yard	UP	Oth	H399	-	73,300	5,200	0	0	YARD/SWITCHING	004	0	1

1998: Washoe County, Nevada (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0998RS001	55A	09	01	NV	WASHOE	Yard	UP	Oth	H399	-	73,300	5,200	0	0	YARD/SWITCHING	004	0	1

1998: Washoe County, Nevada (accidents, cars carrying hazmat/damaged): None.

1999: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1299RS008	55A	12	04	NV	WASHOE	Yard	UP	Der	H307	-	22,956	3,841	0	0	YARD/SWITCHING	008	0	2

1999: Washoe County, Nevada (accidents involving cars carrying hazmat): None.

2000: Washoe County, Nevada (all accidents): None.

2001: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0501RS032	55A	05	19	NV	WASHOE	Main	UP	Coll	H403	H306	6,566	1,500	0	0	YARD/SWITCHING	002	0	0
1	UP	0501RS032	55A	05	19	NV	WASHOE	Yard	UP	Coll	H403	H306	6,039	0	0	0	FREIGHT TRAIN	002	2	0
2	UP	0801RS018	55A	08	15	NV	WASHOE	Yard	UP	Der	M405	-	8,000	34,612	0	0	FREIGHT TRAIN	002	0	3

2001: Washoe County, Nevada (accidents involving cars carrying hazmat): None.

2002: Washoe County, Nevada (all accidents): None.

2003: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0403RS010	55A	04	09	NV	WASHOE	Yard	UP	Der	H312	-	1,700	8,000	0	0	YARD/SWITCHING	003	0	2
2	UP	0603RS017	55A	06	14	NV	WASHOE	Yard	UP	Der	H104	-	18,526	7,200	0	0	YARD/SWITCHING	015	0	4
3	UP	0803RS032	55A	08	25	NV	WASHOE	Industry	UP	Der	M201	-	15,693	68,450	0	0	YARD/SWITCHING	003	0	6
4	UP	0903RS021	55A	09	18	NV	WASHOE	Yard	UP	Der	H306	-	3,322	14,000	0	0	YARD/SWITCHING	004	0	2

2003: Washoe County, Nevada (accidents involving cars carrying hazmat): None.

2004: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0304RS010	55A	03	14	NV	WASHOE	Yard	UP	Der	H515	-	8,794	3,500	0	0	YARD/SWITCHING	004	0	2

2004: Washoe County, Nevada (accidents involving cars carrying hazmat): None.

2005: Washoe County, Nevada (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	ATK	095165	55A	01	09	NV	WASHOE	Yard	UP	Der	M101	-	191,044	0	0	0	LIGHT LOCO(S)	004	2	0
1	UP	0105RS045	55A	01	09	NV	WASHOE	Yard	UP	Der	M101	-	0	0	0	0	NOT RPD OR N/A	000	0	0

2005: Washoe County, Nevada (accidents involving cars carrying hazmat): None.

2006: Washoe County, Nevada (all accidents)

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0206RS014	55A	02	14	NV	WASHOE	Main	UP	Der	H522	-	15,084	4,300	0	0	YARD/SWITCHING	004	0	3
2	UP	0406RS002	55A	04	05	NV	WASHOE	Industry	XAWC	Der	T111	T113	420	16,015	0	0	YARD/SWITCHING	005	0	2
3	UP	0506RS027	55A	05	19	NV	WASHOE	Yard	UP	Oth	E31C	-	14,855	0	0	0	YARD/SWITCHING	004	0	0
4	UP	0606RS013	55A	06	06	NV	WASHOE	Industry	UP	Der	T110	M405	21,258	96,155	0	0	YARD/SWITCHING	009	0	6
5	UP	1206RS012	55A	12	12	NV	WASHOE	Yard	UP	Der	H524	H511	31,439	126,810	0	0	YARD/SWITCHING	005	0	4
6	UP	1206RS017	55A	12	18	NV	WASHOE	Industry	UP	Der	H306	H702	20,400	5,500	0	0	YARD/SWITCHING	004	0	5

2006: Washoe County, Nevada (accidents involving cars carrying hazmat).

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1206RS012	55A	12	12	NV	WASHOE	Yard	UP	Der	H524	H511	31,439	126,810	0	0	YARD/SWITCHING	005	0	4

2006: Washoe County, Nevada (accidents in which cars carrying hazmat were damaged).

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1206RS012	55A	12	12	NV	WASHOE	Yard	UP	Der	H524	H511	31,439	126,810	0	0	YARD/SWITCHING	005	0	4

2006: Washoe County, Nevada (accidents, hazmat released): None.

1975: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	47365	55A	05	25	CA	NEVADA	Main	UP	Der	E32C	-	7,900	200	0	0	FREIGHT TRAIN	030	0	5
2	UP	47895	55A	06	17	CA	NEVADA	Main	UP	Der	E49C	-	8,100	15,000	0	0	FREIGHT TRAIN	018	0	5
3	UP	47965	55A	06	28	CA	NEVADA	Main	UP	Der	H601	-	2,100	300	0	0	FREIGHT TRAIN	004	0	5
4	UP	49795	55A	09	06	CA	NEVADA	Main	UP	Der	E60C	-	4,000	800	0	0	FREIGHT TRAIN	024	0	1

1975: Nevada County, California (accidents involving cars carrying hazmat); none.

1976: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	47946	55A	05	03	CA	NEVADA	Main	UP	Der	E24C	-	100	2,000	0	0	FREIGHT TRAIN	010	0	1

1976: Nevada County, California (accidents involving cars carrying hazmat): none.

1977: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	48247	55A	05	27	CA	NEVADA	Main	UP	Der	E30C	-	13,900	0	0	2	FREIGHT TRAIN	011	0	3
2	UP	52217	55A	09	10	CA	NEVADA	Main	UP	Der	E71L	-	62,150	16,000	0	0	FREIGHT TRAIN	015	1	16

1977: Nevada County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	52217	55A	09	10	CA	NEVADA	Main	UP	Der	E71L	-	62,150	16,000	0	0	FREIGHT TRAIN	015	1	16

1977: Nevada County, California (accidents involving cars carrying hazmat that were damaged): None.

1978: Nevada County, California (all accidents):

Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	45108	55A	02	03	CA	NEVADA	Main	UP	Der	E00L	-	11,170	2,000	0	0	FREIGHT TRAIN	022	0	4
2	UP	48058	55A	04	26	CA	NEVADA	Main	UP	Der	E34C	-	2,800	4,500	0	0	FREIGHT TRAIN	030	0	3
3	UP	49108	55A	05	17	CA	NEVADA	Main	UP	Der	H601	-	1,800	1,000	0	0	FREIGHT TRAIN	003	0	4

1978: Nevada County, California (accidents involving cars carrying hazmat): None.

1979: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	45349	55A	02	04	CA	NEVADA	Main	UP	Der	E51L	-	12,500	0	0	0	FREIGHT TRAIN	030	1	0
2	UP	55249	55A	07	28	CA	NEVADA	Main	UP	Der	H020	-	60,200	5,000	0	0	FREIGHT TRAIN	005	0	7
3	UP	R0609	55A	08	22	CA	NEVADA	Main	UP	Der	M201	-	41,500	21,000	0	0	FREIGHT TRAIN	016	0	3

1979: Nevada County, California (accidents involving cars carrying hazmat): None.

1980: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	60020	55A	06	02	CA	NEVADA	Main	UP	Der	M405	-	829	2,984	0	0	FREIGHT TRAIN	030	0	1
2	UP	63770	55A	07	15	CA	NEVADA	Main	UP	Der	M503	-	1,500	1,500	0	0	LIGHT LOCO(S)	005	1	0

1980: Nevada County, California (accidents involving cars carrying hazmat): None.

1981: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	ATK	050281A	55A	05	02	CA	NEVADA	Main	UP	Oth	M404	-	11,000	0	0	0	PASSENGER TRAIN	020	0	0
1	UP	55421	55A	05	02	CA	NEVADA	Main	UP	Oth	M404	-	0	0	0	0	PASSENGER TRAIN	020	0	0
2	UP	57331	55A	07	16	CA	NEVADA	Main	UP	Der	E51C	-	216,807	121,000	0	1	FREIGHT TRAIN	030	4	11

1981: Nevada County, California (accidents involving cars carrying hazmat): None.

1982: Nevada County, California (all accidents): None.

1983: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	56963	55A	08	06	CA	NEVADA	Main	UP	Der	E61C	-	280	10,000	0	0	FREIGHT TRAIN	035	0	1
2	UP	59873	55A	11	01	CA	NEVADA	Siding	UP	Der	H601	-	3,720	20,000	0	0	FREIGHT TRAIN	005	0	9

1983: Nevada County, California (accidents involving hazmat): None.

1984: Nevada County, California (all accidents): None.

1985: Nevada County, California (all accidents): None.

1986: Nevada County, California (all accidents): None.

1987: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	59367	55A	12	17	CA	NEVADA	Main	UP	Der	E69C	-	6,000	0	0	0	FREIGHT TRAIN	001	0	1

1987: Nevada County, California (accidents involving hazmat): None.

1988: Nevada County, California (all accidents): None.

1989: Nevada County, California (all accidents): None.

1990: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	A1390	55A	03	22	CA	NEVADA	Main	UP	Oth	H402	-	8,000	0	0	2	SINGLE CAR	005	0	0
1	UP	A1390	55A	03	22	CA	NEVADA	Main	UP	Oth	H402	-	2,000	0	0	2	SINGLE CAR	000	0	0

1990: Nevada County, California (accidents involving cars carrying hazmat): None.

1991: Nevada County, California (all accidents): None.

1992: Nevada County, California (all accidents): None.

1993: Nevada County, California (all accidents): None.

1994: Nevada County, California (all accidents): None.

1995: Nevada County, California (all accidents): None.

1996: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B0896	55A	06	02	CA	NEVADA	Main	UP	Der	E24C	-	138,800	32,000	0	0	FREIGHT TRAIN	011	0	17

1996: Nevada County, California (accidents involving cars carrying hazmat): None.

1997: Nevada County, California (all accidents): None.

1998: Nevada County, California (all accidents): None.

1999: Nevada County, California (all accidents): None.

2000: Nevada County, California (all accidents): None.

2001: Nevada County, California (all accidents): None.

2002: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0502RS033	55A	05	28	CA	NEVADA	Yard	UP	Oth	H017	-	39,840	0	0	0	LIGHT LOCO(S)	000	0	0
1	UP	0502RS033	55A	05	28	CA	NEVADA	Yard	UP	Oth	H017	-	19,143	200	0	0	LIGHT LOCO(S)	005	0	0
2	UP	0802RS036	55A	08	25	CA	NEVADA	Main	UP	Oth	M504	-	0	20,000	0	0	SINGLE CAR	003	0	0

2002: Nevada County, California (accidents involving cars carrying hazmat): None.

2003: Nevada County, California (all accidents): None.

2004: Nevada County, California (all accidents): None.

2005: Nevada County, California (all accidents): None.

2006: Nevada County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0706RS041	55A	07	30	CA	NEVADA	Main	UP	Der	E46C	-	1,244	836,395	0	0	FREIGHT TRAIN	009	0	1

2006: Nevada County, California (accidents involving cars carrying hazmat): None.

1975: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	58695	55A	03	11	CA	PLACER	Main	UP	Der	H702	-	700	2,400	0	0	FREIGHT TRAIN	003	0	3
2	UP	46175	55A	04	17	CA	PLACER	Main	UP	Der	M503	-	5,706	2,500	0	0	FREIGHT TRAIN	018	0	3
3	UP	46855	55A	05	10	CA	PLACER	Yard	UP	Der	H603	-	1,200	600	0	0	FREIGHT TRAIN	008	0	6
4	UP	47035	55A	05	18	CA	PLACER	Main	UP	Der	E32C	-	11,600	300	0	0	FREIGHT TRAIN	020	0	4
5	UP	47155	55A	05	23	CA	PLACER	Main	UP	Der	E49C	-	5,931	2,500	0	0	FREIGHT TRAIN	017	0	6
6	UP	47195	55A	05	29	CA	PLACER	Main	UP	Der	E01C	-	2,100	0	0	0	FREIGHT TRAIN	025	0	5
7	UP	47565	55A	06	01	CA	PLACER	Yard	UP	Coll	H403	-	3,775	400	0	0	YARD/SWITCHING	003	0	3
8	UP	47905	55A	06	23	CA	PLACER	Main	UP	Der	E23C	-	22,000	800	0	0	FREIGHT TRAIN	017	0	2
9	UP	61135	55A	06	27	CA	PLACER	Main	UP	Der	H702	-	500	2,275	0	0	FREIGHT TRAIN	001	0	2
10	UP	48515	55A	07	20	CA	PLACER	Main	UP	Der	E00C	-	12,800	1,500	0	0	FREIGHT TRAIN	026	0	15
11	UP	50535	55A	10	06	CA	PLACER	Yard	UP	Coll	H307	-	2,700	350	0	0	YARD/SWITCHING	004	0	3
12	UP	50695	55A	10	08	CA	PLACER	Yard	UP	Coll	H301	-	14,350	0	0	0	YARD/SWITCHING	006	0	0
12	UP	50695	55A	10	08	CA	PLACER	Yard	UP	Coll	H301	-	1,850	0	0	0	SINGLE CAR	000	0	0
13	UP	51165	55A	10	12	CA	PLACER	Yard	UP	Der	T111	-	1,800	150	0	0	YARD/SWITCHING	005	0	5
14	UP	50955	55A	10	15	CA	PLACER	Yard	UP	Der	T218	-	2,200	416	0	0	FREIGHT TRAIN	008	0	6
15	UP	51005	55A	10	15	CA	PLACER	Main	UP	Der	H702	-	3,410	1,000	0	0	FREIGHT TRAIN	008	1	3

1975: Placer County, California (accidents involving cars carrying hazmat): None.

1976: Placer County, California (all accidents):

Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	44896	55A	02	05	CA	PLACER	Yard	UP	Der	T210	-	1,680	650	0	0	YARD/SWITCHING	004	0	5
1	UP	44896	55A	02	05	CA	PLACER	Yard	UP	Der	T210	-	50	0	0	0	YARD/SWITCHING	000	0	0
2	UP	45196	55A	02	14	CA	PLACER	Yard	UP	Der	E05C	-	13,800	580	0	0	YARD/SWITCHING	005	0	6
3	UP	45156	55A	02	23	CA	PLACER	Yard	UP	Der	H701	-	6,650	200	0	0	YARD/SWITCHING	004	0	6
4	UP	45406	55A	03	06	CA	PLACER	Main	UP	Coll	M503	-	89,875	12,000	0	3	FREIGHT TRAIN	000	0	6
4	UP	45406	55A	03	06	CA	PLACER	Main	UP	Coll	M503	-	7,600	7,359	0	3	FREIGHT TRAIN	025	2	5
5	UP	45416	55A	03	07	CA	PLACER	Main	UP	Der	E42C	-	21,000	10,000	0	0	FREIGHT TRAIN	025	0	8
6	UP	46606	55A	04	12	CA	PLACER	Yard	UP	Der	E64C	-	13,800	6,000	0	0	FREIGHT TRAIN	004	4	2
7	UP	46986	55A	04	19	CA	PLACER	Yard	UP	Der	E30C	-	6,800	100	0	0	YARD/SWITCHING	002	0	3
8	UP	46806	55A	04	25	CA	PLACER	Main	UP	Der	E42C	-	1,000	2,050	0	0	FREIGHT TRAIN	017	0	1
9	UP	47546	55A	05	09	CA	PLACER	Yard	UP	Der	E64C	-	2,385	586	0	0	NOT RPD OR N/A	008	0	6
10	UP	47996	55A	05	23	CA	PLACER	Yard	UP	Der	T210	-	2,300	0	0	0	FREIGHT TRAIN	003	0	8
11	UP	52206	55A	07	18	CA	PLACER	Yard	UP	Der	H702	-	1,000	700	0	0	FREIGHT TRAIN	005	0	3
11	UP	52206	55A	07	18	CA	PLACER	Yard	UP	Der	H702	-	300	0	0	0	CUT OF CARS	000	0	0
12	UP	52496	55A	07	29	CA	PLACER	Yard	UP	Der	E39C	-	1,170	3,547	0	0	YARD/SWITCHING	005	0	4
13	UP	54656	55A	10	07	CA	PLACER	Yard	UP	Der	H503	-	12,250	5,600	0	0	FREIGHT TRAIN	008	0	7
14	UP	E7106	55A	10	19	CA	PLACER	Yard	UP	Coll	H304	-	2,000	561	0	0	LIGHT LOCO(S)	004	1	0
14	UP	E7106	55A	10	19	CA	PLACER	Yard	UP	Coll	H304	-	1,000	0	0	0	LIGHT LOCO(S)	004	0	0
15	UP	55426	55A	10	26	CA	PLACER	Yard	UP	Coll	H301	-	1,000	334	0	1	FREIGHT TRAIN	005	1	0
15	UP	55426	55A	10	26	CA	PLACER	Yard	UP	Coll	H301	-	1,000	0	0	1	LIGHT LOCO(S)	000	0	0
16	UP	E7116	55A	10	26	CA	PLACER	Yard	UP	Coll	H303	-	1,000	0	0	0	LIGHT LOCO(S)	004	0	0
16	UP	E7116	55A	10	26	CA	PLACER	Yard	UP	Coll	H303	-	1,000	0	0	0	CUT OF CARS	000	0	0
17	UP	55636	55A	11	06	CA	PLACER	Main	UP	Der	E01C	-	2,850	50	0	0	FREIGHT TRAIN	025	0	2
18	UP	55806	55A	11	17	CA	PLACER	Yard	UP	Coll	H702	-	11,000	0	0	1	LIGHT LOCO(S)	006	0	0
18	UP	55806	55A	11	17	CA	PLACER	Yard	UP	Coll	H702	-	0	0	0	1	YARD/SWITCHING	006	0	0
19	UP	55816	55A	11	17	CA	PLACER	Yard	UP	Coll	H301	-	2,000	0	0	0	LIGHT LOCO(S)	000	0	0
19	UP	55816	55A	11	17	CA	PLACER	Yard	UP	Coll	H301	-	0	0	0	0	YARD/SWITCHING	006	0	0
20	UP	53636	55A	12	20	CA	PLACER	Yard	UP	Coll	M599	-	8,350	0	0	0	SINGLE CAR	000	0	1
20	UP	53636	55A	12	20	CA	PLACER	Yard	UP	Coll	M599	M599	700	0	0	0	SINGLE CAR	010	0	0

1976: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	45416	55A	03	07	CA	PLACER	Main	UP	Der	E42C	-	21,000	10,000	0	0	FREIGHT TRAIN	025	0	8

1976: Placer County, California (accidents cars carrying hazmat/damaged): None.

1977: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	44057	55A	01	02	CA	PLACER	Yard	UP	Coll	H306	-	6,350	0	0	0	FREIGHT TRAIN	000	0	3
1	UP	44057	55A	01	02	CA	PLACER	Yard	UP	Coll	H306	-	3,150	1,165	0	0	WORK TRAIN	002	0	1
2	UP	44667	55A	02	02	CA	PLACER	Yard	UP	Coll	H702	-	6,800	1,535	0	0	YARD/SWITCHING	005	2	1
2	UP	44667	55A	02	02	CA	PLACER	Yard	UP	Coll	H702	-	2,750	0	0	0	FREIGHT TRAIN	005	0	3
3	UP	45857	55A	03	10	CA	PLACER	Yard	UP	Der	H503	-	38,650	5,744	0	0	FREIGHT TRAIN	010	0	9
4	UP	46287	55A	03	20	CA	PLACER	Yard	UP	Der	E64C	-	1,400	3,069	0	0	YARD/SWITCHING	005	0	4
5	UP	06067	55A	04	23	CA	PLACER	Siding	UP	Der	H701	-	2,450	2,750	0	0	FREIGHT TRAIN	003	0	4
6	UP	49407	55A	06	23	CA	PLACER	Main	UP	Coll	H999	-	5,000	0	0	0	SINGLE CAR	010	0	0
6	UP	49407	55A	06	23	CA	PLACER	Main	UP	Coll	H999	-	0	0	0	0	FREIGHT TRAIN	020	0	0
7	UP	50737	55A	07	15	CA	PLACER	Yard	UP	Coll	H301	-	3,050	0	0	0	SINGLE CAR	006	0	1
7	UP	50737	55A	07	15	CA	PLACER	Yard	UP	Coll	H301	-	200	0	0	0	CUT OF CARS	005	0	0
8	UP	50987	55A	08	05	CA	PLACER	Yard	UP	Der	E29C	-	1,920	1,503	0	0	YARD/SWITCHING	004	0	3
9	UP	51157	55A	08	08	CA	PLACER	Yard	UP	Coll	H302	-	2,500	0	0	0	CUT OF CARS	000	0	1
9	UP	51157	55A	08	08	CA	PLACER	Yard	UP	Coll	H302	-	1,175	0	0	0	CUT OF CARS	005	0	0
10	UP	51657	55A	08	16	CA	PLACER	Yard	UP	Coll	H702	-	6,950	0	0	0	CUT OF CARS	000	0	5
10	UP	51657	55A	08	16	CA	PLACER	Yard	UP	Coll	H702	-	3,100	2,952	0	0	LIGHT LOCO(S)	001	1	0
11	UP	51537	55A	08	20	CA	PLACER	Yard	UP	Der	T199	-	1,800	4,488	0	0	FREIGHT TRAIN	003	0	5
12	UP	51227	55A	08	21	CA	PLACER	Main	UP	Oth	E79L	-	0	10,000	0	0	FREIGHT TRAIN	025	0	0
13	UP	51647	55A	08	21	CA	PLACER	Yard	UP	Coll	H306	-	1,600	0	0	0	SINGLE CAR	005	0	1
13	UP	51647	55A	08	21	CA	PLACER	Yard	UP	Coll	H306	-	1,125	2,800	0	0	FREIGHT TRAIN	005	0	0
14	UP	52257	55A	09	05	CA	PLACER	Yard	UP	Der	H701	-	26,970	270	0	0	YARD/SWITCHING	005	0	5
15	UP	54107	55A	10	09	CA	PLACER	Siding	UP	Der	H999	-	5,700	0	0	0	FREIGHT TRAIN	003	1	2
16	UP	54117	55A	10	19	CA	PLACER	Main	UP	Der	E32C	-	2,700	0	0	0	FREIGHT TRAIN	017	0	1
17	UP	1077CA202	55A	10	25	CA	PLACER	Main	BNSF	Der	E25C	-	5,000	0	0	0	FREIGHT TRAIN	025	0	9
17	BNSF	31107105	55A	10	25	CA	PLACER	Main	BNSF	Der	E23C	E25C	0	6,500	0	0	FREIGHT TRAIN	025	0	9
18	UP	54657	55A	11	16	CA	PLACER	Yard	UP	Coll	H602	-	5,800	0	0	0	CUT OF CARS	000	0	3
18	UP	54657	55A	11	16	CA	PLACER	Yard	UP	Coll	H602	-	5,000	1,465	0	0	CUT OF CARS	005	1	2
19	UP	55087	55A	11	24	CA	PLACER	Yard	UP	Der	T001	-	4,440	2,040	0	0	FREIGHT TRAIN	004	0	7
20	UP	55047	55A	11	29	CA	PLACER	Main	UP	Der	E59C	-	1,800	2,059	0	0	FREIGHT TRAIN	025	0	3
21	UP	56047	55A	12	20	CA	PLACER	Yard	UP	Coll	H699	-	3,700	0	0	0	YARD/SWITCHING	000	1	1
21	UP	56047	55A	12	20	CA	PLACER	Yard	UP	Coll	H699	-	2,500	290	0	0	LIGHT LOCO(S)	005	0	0

1977: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	44057	55A	01	02	CA	PLACER	Yard	UP	Coll	H306	-	6,350	0	0	0	FREIGHT TRAIN	000	0	3
1	UP	44057	55A	01	02	CA	PLACER	Yard	UP	Coll	H306	-	3,150	1,165	0	0	WORK TRAIN	002	0	1
2	UP	49407	55A	06	23	CA	PLACER	Main	UP	Coll	H999	-	5,000	0	0	0	SINGLE CAR	010	0	0
2	UP	49407	55A	06	23	CA	PLACER	Main	UP	Coll	H999	-	0	0	0	0	FREIGHT TRAIN	020	0	0
3	UP	1077CA202	55A	10	25	CA	PLACER	Main	BNSF	Der	E25C	-	5,000	0	0	0	FREIGHT TRAIN	025	0	9
3	BNSF	31107105	55A	10	25	CA	PLACER	Main	BNSF	Der	E23C	E25C	0	6,500	0	0	FREIGHT TRAIN	025	0	9

1977: Placer County, California (accidents cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	44057	55A	01	02	CA	PLACER	Yard	UP	Coll	H306	-	6,350	0	0	0	FREIGHT TRAIN	000	0	3
1	UP	44057	55A	01	02	CA	PLACER	Yard	UP	Coll	H306	-	3,150	1,165	0	0	WORK TRAIN	002	0	1

1977: Placer County, California (accidents, hazmat released): None.

1978: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	44718	55A	01	29	CA	PLACER	Yard	UP	Coll	H403	-	17,680	2,946	0	0	LIGHT LOCO(S)	005	1	0
1	UP	44718	55A	01	29	CA	PLACER	Yard	UP	Coll	H403	-	3,800	0	0	0	YARD/SWITCHING	004	0	0
2	UP	45408	55A	02	08	CA	PLACER	Yard	UP	Der	T211	-	2,319	200	0	0	YARD/SWITCHING	005	0	4
3	UP	45668	55A	02	20	CA	PLACER	Main	UP	Der	E68C	-	1,500	11,156	0	0	FREIGHT TRAIN	030	0	1
4	UP	45818	55A	02	20	CA	PLACER	Yard	UP	Der	T110	-	1,131	4,500	0	0	CUT OF CARS	004	0	6
5	UP	46418	55A	03	03	CA	PLACER	Yard	UP	Coll	H020	-	7,006	0	0	0	YARD/SWITCHING	003	0	1
5	UP	46418	55A	03	03	CA	PLACER	Yard	UP	Coll	H020	-	0	1,500	0	0	CUT OF CARS	003	0	3
6	BNSF	31038102	55A	03	06	CA	PLACER	Main	BNSF	Der	T002	-	1795992	30,000	2	2	FREIGHT TRAIN	050	4	16
7	UP	46298	55A	03	08	CA	PLACER	Yard	UP	Der	T207	-	12,200	3,900	0	0	YARD/SWITCHING	006	0	6
8	UP	46898	55A	03	19	CA	PLACER	Yard	UP	Der	H314	-	2,666	0	0	0	YARD/SWITCHING	005	0	3
9	UP	47908	55A	04	22	CA	PLACER	Main	UP	Der	E46C	-	800	6,600	0	0	FREIGHT TRAIN	020	0	1
10	UP	48518	55A	05	02	CA	PLACER	Yard	UP	Der	E64C	-	11,265	7,225	0	0	FREIGHT TRAIN	005	0	6
11	UP	48528	55A	05	06	CA	PLACER	Yard	UP	Coll	H702	-	14,558	0	0	0	YARD/SWITCHING	000	0	3
11	UP	48528	55A	05	06	CA	PLACER	Yard	UP	Coll	H702	-	9,000	6,828	0	0	YARD/SWITCHING	005	0	4
12	UP	48898	55A	05	16	CA	PLACER	Main	UP	Oth	M399	-	4,500	0	1	0	FREIGHT TRAIN	053	0	0
13	UP	49568	55A	06	04	CA	PLACER	Main	UP	Der	E68C	-	500	12,000	0	0	FREIGHT TRAIN	015	0	1
14	UP	50018	55A	06	17	CA	PLACER	Yard	UP	Der	H503	-	2,887	0	0	0	CUT OF CARS	004	0	4
15	UP	50248	55A	06	17	CA	PLACER	Yard	UP	Der	H503	-	4,000	0	0	0	FREIGHT TRAIN	005	3	0
16	UP	49978	55A	06	20	CA	PLACER	Yard	UP	Der	T210	-	5,889	5,000	0	0	FREIGHT TRAIN	004	2	7
17	UP	50488	55A	06	25	CA	PLACER	Yard	UP	Coll	T314	-	8,450	1,273	0	0	YARD/SWITCHING	002	0	4
17	UP	50488	55A	06	25	CA	PLACER	Yard	UP	Coll	T314	-	7,950	0	0	0	FREIGHT TRAIN	005	0	9
18	UP	51498	55A	07	04	CA	PLACER	Yard	UP	Coll	H306	-	1,800	0	0	0	CUT OF CARS	012	0	0
18	UP	51498	55A	07	04	CA	PLACER	Yard	UP	Coll	H306	-	500	0	0	0	LIGHT LOCO(S)	000	0	0
19	UP	50718	55A	07	10	CA	PLACER	Main	UP	Der	T207	-	151,050	15,000	0	0	FREIGHT TRAIN	045	0	13
20	UP	51118	55A	07	20	CA	PLACER	Yard	UP	Der	E46C	-	10,918	38,500	0	0	FREIGHT TRAIN	006	0	22
21	UP	51758	55A	07	30	CA	PLACER	Yard	UP	Der	T307	-	2,050	1,450	0	0	YARD/SWITCHING	005	1	2
22	UP	52048	55A	08	01	CA	PLACER	Yard	UP	Coll	H702	-	2,800	274	0	0	CUT OF CARS	005	2	1
22	UP	52048	55A	08	01	CA	PLACER	Yard	UP	Coll	H702	-	150	0	0	0	CUT OF CARS	000	0	1
23	UP	53018	55A	09	04	CA	PLACER	Yard	UP	Der	M599	-	500	22,000	0	0	CUT OF CARS	008	0	1
24	UP	53618	55A	09	25	CA	PLACER	Yard	UP	Coll	H306	-	2,375	7,600	0	0	CUT OF CARS	001	0	7
24	UP	53618	55A	09	25	CA	PLACER	Yard	UP	Coll	H306	-	100	0	0	0	CUT OF CARS	000	0	1
25	UP	56268	55A	12	03	CA	PLACER	Yard	UP	Der	H503	-	1,650	6,200	0	0	FREIGHT TRAIN	005	0	6
26	UP	55248	55A	12	29	CA	PLACER	Yard	UP	Der	T110	-	3,300	6,000	0	0	YARD/SWITCHING	005	0	7

1978: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	BNSF	31038102	55A	03	06	CA	PLACER	Main	BNSF	Der	T002	-	1795992	30,000	2	2	FREIGHT TRAIN	050	4	16
2	UP	46298	55A	03	08	CA	PLACER	Yard	UP	Der	T207	-	12,200	3,900	0	0	YARD/SWITCHING	006	0	6
3	UP	50718	55A	07	10	CA	PLACER	Main	UP	Der	T207	-	151,050	15,000	0	0	FREIGHT TRAIN	045	0	13

1978: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	46298	55A	03	08	CA	PLACER	Yard	UP	Der	T207	-	12,200	3,900	0	0	YARD/SWITCHING	006	0	6
2	UP	50718	55A	07	10	CA	PLACER	Main	UP	Der	T207	-	151,050	15,000	0	0	FREIGHT TRAIN	045	0	13

1978: Placer County, California (accidents, hazmat released):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	46298	55A	03	08	CA	PLACER	Yard	UP	Der	T207	-	12,200	3,900	0	0	YARD/SWITCHING	006	0	6

1978: Placer County, California (accidents, people evacuated): None.

1979: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	44899	55A	01	22	CA	PLACER	Main	UP	Der	E51L	-	16,884	0	0	0	FREIGHT TRAIN	030	1	0
2	UP	45819	55A	02	15	CA	PLACER	Yard	UP	Der	T001	-	408	3,970	0	0	YARD/SWITCHING	006	0	3
3	UP	46689	55A	03	01	CA	PLACER	Yard	UP	Der	T001	-	1,370	3,937	0	0	YARD/SWITCHING	005	0	8
4	UP	47149	55A	03	31	CA	PLACER	Yard	UP	Der	H503	-	1,064	2,699	0	0	YARD/SWITCHING	004	0	4
5	BNSF	31049101	55A	04	07	CA	PLACER	Main	BNSF	Der	M405	H505	6,900	1,700	0	0	FREIGHT TRAIN	031	0	3
6	UP	54119	55A	06	30	CA	PLACER	Main	UP	Der	E00C	-	3,100	0	0	0	FREIGHT TRAIN	015	0	2
7	UP	56129	55A	07	02	CA	PLACER	Siding	UP	Der	M503	-	4,500	0	0	0	SINGLE CAR	010	0	1
8	UP	53639	55A	07	04	CA	PLACER	Yard	UP	Der	E00L	-	1,508	9,600	0	0	FREIGHT TRAIN	005	0	14
9	UP	53649	55A	07	05	CA	PLACER	Main	UP	Der	E68C	-	1,000	14,600	0	0	FREIGHT TRAIN	020	0	1
10	UP	R3289	55A	09	16	CA	PLACER	Yard	UP	Coll	H212	-	12,102	0	0	0	YARD/SWITCHING	004	0	4
10	UP	R3289	55A	09	16	CA	PLACER	Yard	UP	Coll	H212	-	1,500	0	0	0	CUT OF CARS	000	0	1
11	UP	R4879	55A	09	22	CA	PLACER	Yard	UP	Der	H209	-	3,001	1,285	0	0	YARD/SWITCHING	008	0	5
12	UP	R3219	55A	09	24	CA	PLACER	Main	UP	Der	M201	-	0	15,000	0	0	FREIGHT TRAIN	020	0	1
13	UP	R3749	55A	09	25	CA	PLACER	Yard	UP	Der	H999	-	8,203	525	0	0	FREIGHT TRAIN	001	0	4
14	UP	R4869	55A	09	27	CA	PLACER	Yard	UP	Der	H505	-	5,500	1,301	0	0	YARD/SWITCHING	004	0	2
15	UP	R6879	55A	11	05	CA	PLACER	Yard	UP	Der	H999	-	9,999	15,800	0	0	FREIGHT TRAIN	005	0	14
16	UP	R8169	55A	11	09	CA	PLACER	Main	UP	Der	M405	-	3,650	0	0	0	FREIGHT TRAIN	020	0	2
17	UP	R7199	55A	11	10	CA	PLACER	Yard	UP	Der	E46C	-	11,906	12,000	0	0	YARD/SWITCHING	004	0	5
18	UP	R8199	55A	11	12	CA	PLACER	Yard	UP	Oth	H312	-	4,000	300	0	0	CUT OF CARS	008	0	2
19	UP	R8209	55A	11	15	CA	PLACER	Yard	UP	Coll	E39C	-	2,640	0	0	0	YARD/SWITCHING	007	0	0
19	UP	R8209	55A	11	15	CA	PLACER	Yard	UP	Coll	E39C	-	1,500	0	0	0	YARD/SWITCHING	000	0	0
20	UP	R8629	55A	11	23	CA	PLACER	Yard	UP	Der	H505	-	856	2,233	0	0	YARD/SWITCHING	004	0	3
21	UP	40639	55A	12	28	CA	PLACER	Yard	UP	Der	T001	-	1,514	3,300	0	0	YARD/SWITCHING	004	0	6
22	UP	40279	55A	12	30	CA	PLACER	Main	UP	Der	E66C	-	363,800	43,738	0	0	FREIGHT TRAIN	045	0	28
23	UP	40649	55A	12	30	CA	PLACER	Yard	UP	Der	T001	-	4,656	5,000	0	0	YARD/SWITCHING	008	0	7

1979: Placer County, California (accidents involving cars carrying hazmat): None.

1980: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50000	55A	01	01	CA	PLACER	Main	UP	Der	E53C		186,050	65,000	0	0	FREIGHT TRAIN	020	0	12
2	UP	51170	55A	01	15	CA	PLACER	Yard	UP	Coll	H702		4,301	160	0	0	CUT OF CARS	000	0	2
2	UP	51170	55A	01	15	CA	PLACER	Yard	UP	Coll	H702		0	0	0	0	YARD/SWITCHING	005	1	0
3	UP	51110	55A	01	24	CA	PLACER	Main	UP	Der	M201		1,500	5,536	0	0	FREIGHT TRAIN	020	0	1
4	UP	51380	55A	01	26	CA	PLACER	Yard	UP	Der	T207		2,708	5,000	0	0	YARD/SWITCHING	005	0	5
5	UP	52510	55A	02	07	CA	PLACER	Yard	UP	Coll	H301		3,350	1,591	0	0	YARD/SWITCHING	003	0	2
5	UP	52510	55A	02	07	CA	PLACER	Yard	UP	Coll	H301		800	0	0	0	CUT OF CARS	006	0	0
6	UP	52880	55A	02	17	CA	PLACER	Yard	UP	Der	H505		1,428	5,000	0	0	YARD/SWITCHING	002	0	6
7	UP	52890	55A	02	18	CA	PLACER	Yard	UP	Der	T207		406	6,300	0	0	FREIGHT TRAIN	003	2	2
8	UP	52920	55A	02	21	CA	PLACER	Yard	UP	Coll	H999		2,300	0	0	0	LIGHT LOCO(S)	003	0	0
8	UP	52920	55A	02	21	CA	PLACER	Yard	UP	Coll	H999		1,500	3,100	0	0	YARD/SWITCHING	004	1	0
9	UP	53670	55A	02	28	CA	PLACER	Yard	UP	Der	T001	T110	1,222	2,000	0	0	YARD/SWITCHING	004	0	6
10	UP	54340	55A	03	05	CA	PLACER	Yard	UP	Der	E35C		4,500	11,000	0	0	YARD/SWITCHING	005	0	2
11	UP	57260	55A	04	21	CA	PLACER	Main	UP	Der	E40C		2,994	27,000	0	0	FREIGHT TRAIN	015	0	5
12	UP	58360	55A	05	03	CA	PLACER	Yard	UP	Der	T399		408	4,144	0	0	YARD/SWITCHING	005	0	3
13	UP	60460	55A	06	08	CA	PLACER	Yard	UP	Coll	H999		4,500	0	0	0	LIGHT LOCO(S)	005	1	0
13	UP	60460	55A	06	08	CA	PLACER	Yard	UP	Coll	H999		2,556	4,329	0	0	YARD/SWITCHING	005	1	2
14	UP	60880	55A	06	19	CA	PLACER	Yard	UP	Der	T199		4,700	4,500	0	0	YARD/SWITCHING	007	0	10
15	UP	62070	55A	07	03	CA	PLACER	Yard	UP	Coll	H403		4,500	0	0	0	YARD/SWITCHING	002	0	0
15	UP	62070	55A	07	03	CA	PLACER	Yard	UP	Coll	H403		3,500	1,560	0	0	LIGHT LOCO(S)	005	1	0
16	UP	62110	55A	07	04	CA	PLACER	Yard	UP	Der	T210		0	4,930	0	0	FREIGHT TRAIN	005	1	0
17	UP	62430	55A	07	17	CA	PLACER	Main	UP	Der	M201		1,025	123,000	0	0	FREIGHT TRAIN	030	0	2
18	UP	63010	55A	07	22	CA	PLACER	Yard	UP	Der	H704		0	4,360	0	0	LIGHT LOCO(S)	005	1	0
19	UP	63790	55A	08	01	CA	PLACER	Yard	UP	Der	H702		1,384	4,540	0	0	YARD/SWITCHING	004	0	7
20	UP	63800	55A	08	03	CA	PLACER	Yard	UP	Der	H312		1,054	3,075	0	0	YARD/SWITCHING	004	0	3
21	UP	63950	55A	08	07	CA	PLACER	Yard	UP	Der	T311		408	4,200	0	0	FREIGHT TRAIN	007	0	3
22	UP	64720	55A	08	07	CA	PLACER	Yard	UP	Der	T314		2,800	4,170	0	0	YARD/SWITCHING	003	0	1
23	UP	65980	55A	08	31	CA	PLACER	Yard	UP	Coll	H099		5,500	835	0	0	FREIGHT TRAIN	005	0	1
23	UP	65980	55A	08	31	CA	PLACER	Yard	UP	Coll	H099		2,000	0	0	0	YARD/SWITCHING	000	0	0
24	UP	66210	55A	09	07	CA	PLACER	Main	UP	Der	E69C		1,203	18,000	0	0	FREIGHT TRAIN	026	0	2
25	UP	69640	55A	10	25	CA	PLACER	Yard	UP	Der	E62C		1,400	4,040	0	0	FREIGHT TRAIN	004	0	1
26	UP	72000	55A	11	23	CA	PLACER	Yard	UP	Oth	E35C		840	3,260	0	0	YARD/SWITCHING	004	0	0
27	UP	72830	55A	12	06	CA	PLACER	Yard	UP	Oth	H306		7,940	1,572	0	1	YARD/SWITCHING	000	0	0
27	UP	72830	55A	12	06	CA	PLACER	Yard	UP	Oth	H306		0	0	0	1	YARD/SWITCHING	006	0	0
28	UP	73920	55A	12	31	CA	PLACER	Yard	UP	Der	E40C		561	2,500	0	0	YARD/SWITCHING	005	0	4

1980: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50000	55A	01	01	CA	PLACER	Main	UP	Der	E53C		186,050	65,000	0	0	FREIGHT TRAIN	020	0	12
2	UP	51380	55A	01	26	CA	PLACER	Yard	UP	Der	T207		2,708	5,000	0	0	YARD/SWITCHING	005	0	5
3	UP	52510	55A	02	07	CA	PLACER	Yard	UP	Coll	H301		3,350	1,591	0	0	YARD/SWITCHING	003	0	2
3	UP	52510	55A	02	07	CA	PLACER	Yard	UP	Coll	H301		800	0	0	0	CUT OF CARS	006	0	0

1980: Placer County, California (accidents, cars carrying hazmat/damaged):

Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50000	55A	01	01	CA	PLACER	Main	UP	Der	E53C	-	186,050	65,000	0	0	FREIGHT TRAIN	020	0	12
2	UP	51380	55A	01	26	CA	PLACER	Yard	UP	Der	T207	-	2,708	5,000	0	0	YARD/SWITCHING	005	0	5

1980: Placer County, California (accidents, hazmat released): None.

1981: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50441	55A	01	28	CA	PLACER	Main	UP	Der	H503	-	8,950	7,500	0	0	FREIGHT TRAIN	005	0	3
2	UP	50811	55A	01	28	CA	PLACER	Yard	UP	Coll	H306	-	2,500	0	0	0	CUT OF CARS	015	0	1
2	UP	50811	55A	01	28	CA	PLACER	Yard	UP	Coll	H306	-	2,000	500	0	0	YARD/SWITCHING	015	1	0
3	UP	51601	55A	02	05	CA	PLACER	Yard	UP	Coll	H313	-	19,175	86	0	0	YARD/SWITCHING	005	0	1
3	UP	51601	55A	02	05	CA	PLACER	Yard	UP	Coll	H313	-	1,775	0	0	0	YARD/SWITCHING	015	0	0
4	UP	52501	55A	02	22	CA	PLACER	Yard	UP	Oth	H314	-	5,000	0	0	0	CUT OF CARS	006	0	1
5	UP	52241	55A	03	01	CA	PLACER	Main	UP	Der	E35C	-	8,250	2,350	0	0	FREIGHT TRAIN	021	0	1
6	UP	52471	55A	03	10	CA	PLACER	Yard	UP	Oth	H314	-	3,356	2,800	0	0	CUT OF CARS	008	0	7
7	UP	52671	55A	03	16	CA	PLACER	Yard	UP	Der	H503	-	1,363	6,851	0	0	FREIGHT TRAIN	005	0	6
8	UP	53961	55A	04	15	CA	PLACER	Yard	UP	Der	E31C	E35C	7,500	0	0	0	CUT OF CARS	002	0	3
9	UP	53841	55A	04	19	CA	PLACER	Main	UP	Der	M204	-	0	20,000	0	0	FREIGHT TRAIN	024	0	1
10	UP	55001	55A	05	07	CA	PLACER	Main	UP	Der	E53C	-	1,500	3,000	0	0	FREIGHT TRAIN	020	0	1
11	UP	55341	55A	05	22	CA	PLACER	Main	UP	Der	E00C	-	10,750	40,000	0	0	FREIGHT TRAIN	030	0	12
12	UP	58731	55A	08	09	CA	PLACER	Main	UP	Der	E24C	-	5,260	7,000	0	0	FREIGHT TRAIN	015	0	2
13	UP	59921	55A	08	31	CA	PLACER	Yard	UP	Der	H702	-	24,129	350	0	0	YARD/SWITCHING	004	0	13
14	UP	61101	55A	10	04	CA	PLACER	Yard	UP	Coll	H702	-	6,000	3,200	0	0	YARD/SWITCHING	002	0	0
14	UP	61101	55A	10	04	CA	PLACER	Yard	UP	Coll	H702	-	3,300	0	0	0	FREIGHT TRAIN	006	0	2
15	UP	61611	55A	10	31	CA	PLACER	Main	UP	Der	E02C	-	14,800	10,000	0	0	FREIGHT TRAIN	029	0	5
16	UP	62561	55A	11	23	CA	PLACER	Yard	UP	Der	T210	-	64,160	649	0	0	FREIGHT TRAIN	004	0	5
17	UP	62601	55A	11	25	CA	PLACER	Yard	UP	Der	H704	-	2,315	10,000	0	0	FREIGHT TRAIN	005	0	5

1981: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	52671	55A	03	16	CA	PLACER	Yard	UP	Der	H503	-	1,363	6,851	0	0	FREIGHT TRAIN	005	0	6

1981: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	52671	55A	03	16	CA	PLACER	Yard	UP	Der	H503	-	1,363	6,851	0	0	FREIGHT TRAIN	005	0	6

1981: Placer County, California (accidents, hazmat released): None.

1982: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	51672	55A	02	19	CA	PLACER	Yard	UP	Der	T207	-	2,680	1,538	0	0	YARD/SWITCHING	003	0	4
2	UP	54642	55A	05	02	CA	PLACER	Industry	UP	Oth	H401	-	1,820	0	0	0	WORK TRAIN	003	0	2
2	UP	54642	55A	05	02	CA	PLACER	Siding	UP	Oth	H401	-	0	4,879	0	0	CUT OF CARS	000	0	0
3	UP	53822	55A	05	09	CA	PLACER	Main	UP	Der	E68C	-	500	17,000	0	0	FREIGHT TRAIN	025	0	1
4	UP	54912	55A	06	10	CA	PLACER	Yard	UP	Oth	H313	-	18,000	150	0	0	SINGLE CAR	005	0	1
5	UP	54972	55A	06	13	CA	PLACER	Yard	UP	Der	M405	-	2,385	4,500	0	0	YARD/SWITCHING	005	0	5
6	UP	57302	55A	08	20	CA	PLACER	Yard	UP	Der	H503	-	4,000	1,117	0	0	YARD/SWITCHING	005	0	8
7	UP	58422	55A	10	02	CA	PLACER	Yard	UP	Der	E64L	-	11,800	17,360	0	0	FREIGHT TRAIN	005	3	0
8	UP	58772	55A	10	22	CA	PLACER	Yard	UP	Der	E0HC	-	2,930	13,500	0	0	WORK TRAIN	005	0	4
9	UP	59492	55A	11	10	CA	PLACER	Yard	UP	Der	H505	-	1,920	8,200	0	0	FREIGHT TRAIN	004	0	4
10	UP	59502	55A	11	20	CA	PLACER	Main	UP	Der	H505	-	35,300	11,000	0	0	FREIGHT TRAIN	008	0	4
11	UP	60782	55A	12	23	CA	PLACER	Yard	UP	Der	H306	-	2,180	4,848	0	0	YARD/SWITCHING	005	0	2

1982: Placer County, California (accidents involving cars carrying hazmat): None.

1983: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50273	55A	01	16	CA	PLACER	Yard	UP	Der	H503	-	0	5,000	0	0	WORK TRAIN	003	0	2
2	UP	50743	55A	01	28	CA	PLACER	Yard	UP	Der	E79L	-	5,120	871	0	0	YARD/SWITCHING	004	0	8
3	UP	51043	55A	02	21	CA	PLACER	Yard	UP	Der	H503	-	1,500	50,000	0	0	YARD/SWITCHING	003	0	2
4	UP	51963	55A	03	01	CA	PLACER	Yard	UP	Coll	H403	-	20,000	0	0	0	FREIGHT TRAIN	000	0	2
4	UP	51963	55A	03	01	CA	PLACER	Yard	UP	Coll	H403	-	0	664	0	0	LIGHT LOCO(S)	003	1	0
5	UP	51953	55A	03	06	CA	PLACER	Yard	UP	Der	T110	-	3,040	1,814	0	0	YARD/SWITCHING	003	0	8
6	UP	52113	55A	03	23	CA	PLACER	Main	UP	Der	E00C	-	284,440	2,500	0	0	FREIGHT TRAIN	040	0	16
7	UP	52233	55A	03	23	CA	PLACER	Yard	UP	Der	H702	-	3,715	4,000	0	0	FREIGHT TRAIN	003	0	7
8	UP	52303	55A	03	26	CA	PLACER	Yard	UP	Der	H503	-	3,600	3,661	0	0	YARD/SWITCHING	003	0	2
9	UP	52643	55A	03	31	CA	PLACER	Main	UP	Coll	H104	-	90,000	1,500	0	2	FREIGHT TRAIN	006	0	0
9	UP	52643	55A	03	31	CA	PLACER	Yard	UP	Coll	H104	-	20,000	0	0	2	LIGHT LOCO(S)	005	0	0
10	UP	53063	55A	04	12	CA	PLACER	Main	UP	Oth	E74L	-	6,000	0	0	0	FREIGHT TRAIN	000	0	0
11	UP	53093	55A	04	20	CA	PLACER	Yard	UP	Der	H521	-	5,280	30,361	0	0	FREIGHT TRAIN	008	0	7
12	UP	53883	55A	05	11	CA	PLACER	Yard	UP	Der	T111	-	1,826	8,000	0	0	FREIGHT TRAIN	005	0	3
13	UP	54203	55A	05	29	CA	PLACER	Yard	UP	Der	T111	-	1,120	5,100	0	0	FREIGHT TRAIN	003	0	5
14	UP	55553	55A	06	25	CA	PLACER	Yard	UP	Der	H505	-	2,680	2,400	0	0	FREIGHT TRAIN	006	0	8
15	UP	55583	55A	06	28	CA	PLACER	Yard	UP	Der	M409	-	2,500	8,300	0	0	YARD/SWITCHING	005	0	1
16	UP	56093	55A	07	20	CA	PLACER	Main	UP	Der	T111	-	840	10,000	0	0	FREIGHT TRAIN	010	4	3
17	UP	56363	55A	07	23	CA	PLACER	Yard	UP	Der	T399	-	2,786	2,000	0	0	FREIGHT TRAIN	004	1	3
18	UP	56383	55A	07	23	CA	PLACER	Yard	UP	Oth	H306	-	5,200	500	0	0	YARD/SWITCHING	005	1	2
19	UP	56693	55A	07	27	CA	PLACER	Yard	UP	Der	T202	-	1,820	5,000	0	0	YARD/SWITCHING	005	0	7
20	ATK	081483A	55A	08	14	CA	PLACER	Yard	UP	Der	T314	-	12,000	0	0	0	PASSENGER TRAIN	005	0	2
20	UP	57163	55A	08	14	CA	PLACER	Yard	UP	Der	E46C	-	12,000	100	0	0	PASSENGER TRAIN	000	0	2
21	UP	57773	55A	08	29	CA	PLACER	Yard	UP	Oth	H702	-	5,000	0	0	0	FREIGHT TRAIN	003	0	0
22	UP	57973	55A	09	04	CA	PLACER	Yard	UP	Oth	M599	-	5,380	2,500	0	0	FREIGHT TRAIN	003	0	7
23	UP	58293	55A	09	26	CA	PLACER	Yard	UP	Der	H503	-	120,200	5,230	0	0	WORK TRAIN	003	0	7
24	UP	60523	55A	11	09	CA	PLACER	Yard	UP	Der	T110	-	4,635	1,500	0	0	WORK TRAIN	005	0	8
25	UP	59983	55A	11	10	CA	PLACER	Main	UP	Der	E99L	-	137,150	64,311	0	2	FREIGHT TRAIN	040	0	22

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
26	UP	60713	55A	12	03	CA	PLACER	Yard	UP	Der	T202	-	3,190	9,320	0	0	FREIGHT TRAIN	005	0	6
27	UP	60973	55A	12	07	CA	PLACER	Yard	UP	Der	T001	-	8,800	9,200	0	0	LIGHT LOCO(S)	003	4	0
28	UP	60983	55A	12	08	CA	PLACER	Yard	UP	Der	T109	-	980	7,400	0	0	FREIGHT TRAIN	003	0	4
29	UP	61423	55A	12	28	CA	PLACER	Yard	UP	Der	H503	-	3,860	2,137	0	0	FREIGHT TRAIN	003	0	9

1983: Placer County, California (accidents involving cars carrying hazmat): None.

1984: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50454	55A	01	20	CA	PLACER	Yard	UP	Oth	H401	-	4,390	1,200	0	0	YARD/SWITCHING	003	1	2
2	UP	53094	55A	04	09	CA	PLACER	Yard	UP	Der	H503	-	9,670	50,000	0	0	FREIGHT TRAIN	004	0	9
3	UP	55474	55A	06	17	CA	PLACER	Yard	UP	Oth	H704	-	35,000	40,000	0	0	FREIGHT TRAIN	005	0	6
4	UP	55854	55A	06	22	CA	PLACER	Yard	UP	Der	M201	-	4,640	880	0	0	YARD/SWITCHING	004	0	2
5	UP	56634	55A	07	07	CA	PLACER	Main	UP	Der	E40C	-	140	18,900	0	0	FREIGHT TRAIN	019	0	1
6	UP	62004	55A	12	05	CA	PLACER	Yard	UP	Der	T305	-	2,780	5,000	0	0	YARD/SWITCHING	004	0	7
7	UP	61844	55A	12	16	CA	PLACER	Yard	UP	Der	T108	-	840	17,800	0	0	FREIGHT TRAIN	003	0	3

1984: Placer County, California (accidents involving cars carrying hazmat): None.

1985: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50225	55A	01	11	CA	PLACER	Yard	UP	Der	T210	-	3,800	3,964	0	0	YARD/SWITCHING	004	0	5
2	UP	50235	55A	01	12	CA	PLACER	Yard	UP	Der	E46C	-	2,250	4,380	0	0	YARD/SWITCHING	004	0	7
3	UP	50245	55A	01	15	CA	PLACER	Yard	UP	Der	E35C	-	340	6,329	0	0	YARD/SWITCHING	004	0	1
4	UP	50265	55A	01	17	CA	PLACER	Yard	UP	Der	M405	-	680	5,280	0	0	YARD/SWITCHING	002	0	2
5	UP	50635	55A	01	19	CA	PLACER	Yard	UP	Oth	T305	-	780	4,343	0	0	YARD/SWITCHING	004	0	2
6	UP	51525	55A	02	24	CA	PLACER	Main	UP	Der	M405	-	150,140	50,000	0	0	FREIGHT TRAIN	039	0	8
7	UP	51735	55A	02	27	CA	PLACER	Yard	UP	Der	M405	-	8,240	4,750	0	0	YARD/SWITCHING	003	0	3
8	UP	52375	55A	03	10	CA	PLACER	Yard	UP	Coll	H211	-	18,000	0	0	0	YARD/SWITCHING	003	0	0
8	UP	52375	55A	03	10	CA	PLACER	Yard	UP	Coll	H211	-	9,300	2,400	0	0	FREIGHT TRAIN	005	0	4
9	UP	53685	55A	04	15	CA	PLACER	Yard	UP	Oth	H306	-	14,795	1,000	0	0	YARD/SWITCHING	004	0	8
10	UP	55555	55A	06	08	CA	PLACER	Yard	UP	Der	T305	-	41,700	130	0	0	CUT OF CARS	005	0	5
11	UP	55545	55A	06	12	CA	PLACER	Yard	UP	Der	T308	E40C	1,360	4,609	0	0	FREIGHT TRAIN	005	0	3
12	UP	55775	55A	06	26	CA	PLACER	Main	UP	Der	E99C	-	258,500	50,000	0	1	FREIGHT TRAIN	030	0	13
13	UP	59675	55A	09	26	CA	PLACER	Yard	UP	Oth	H307	-	4,090	2,700	0	0	YARD/SWITCHING	005	0	3

1985: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	55555	55A	06	08	CA	PLACER	Yard	UP	Der	T305	-	41,700	130	0	0	CUT OF CARS	005	0	5

1985: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	55555	55A	06	08	CA	PLACER	Yard	UP	Der	T305	-	41,700	130	0	0	CUT OF CARS	005	0	5

1985: Placer County, California (accidents, hazmat released): None.

1986: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	55876	55A	08	04	CA	PLACER	Yard	UP	Der	T314	-	5,190	3,000	0	0	FREIGHT TRAIN	007	0	6

1986: Placer County, California (accidents involving cars carrying hazmat): None.

1987: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50867	55A	02	02	CA	PLACER	Yard	UP	Der	T001	-	3,720	5,000	0	0	YARD/SWITCHING	004	0	5
2	UP	51807	55A	03	09	CA	PLACER	Yard	UP	Der	T001	-	1,840	16,695	0	0	FREIGHT TRAIN	004	0	6
3	UP	52457	55A	04	06	CA	PLACER	Main	UP	Der	M201	-	1,500	17,000	0	0	FREIGHT TRAIN	018	0	1
4	UP	54127	55A	06	15	CA	PLACER	Siding	UP	Der	H513	-	29,675	7,000	0	0	FREIGHT TRAIN	020	0	22
5	UP	57797	55A	10	29	CA	PLACER	Yard	UP	Oth	H020	-	22,900	0	0	0	YARD/SWITCHING	005	0	0
5	UP	57797	55A	10	29	CA	PLACER	Yard	UP	Oth	H020	-	1,200	0	0	0	YARD/SWITCHING	000	0	1
6	UP	59287	55A	12	22	CA	PLACER	Yard	UP	Oth	H306	-	6,000	2,000	0	0	YARD/SWITCHING	003	1	0

1987: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	51807	55A	03	09	CA	PLACER	Yard	UP	Der	T001	-	1,840	16,695	0	0	FREIGHT TRAIN	004	0	6

1987: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	51807	55A	03	09	CA	PLACER	Yard	UP	Der	T001	-	1,840	16,695	0	0	FREIGHT TRAIN	004	0	6

1987: Placer County, California (accidents, hazmat released): None.

1988: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	50318	55A	01	20	CA	PLACER	Yard	UP	Oth	H306	-	5,000	300	0	0	WORK TRAIN	002	2	0
2	UP	50458	55A	02	20	CA	PLACER	Yard	UP	Der	T110	-	3,800	3,000	0	0	YARD/SWITCHING	004	0	8
3	UP	51758	55A	05	31	CA	PLACER	Yard	UP	Der	T207	-	6,925	900	0	0	FREIGHT TRAIN	005	0	5
4	UP	52588	55A	07	01	CA	PLACER	Yard	UP	Der	H017	-	20,000	0	0	0	FREIGHT TRAIN	004	4	0
5	UP	53998	55A	11	02	CA	PLACER	Main	UP	Der	H999	E53C	558,550	95,000	0	0	FREIGHT TRAIN	031	0	22
6	UP	54568	55A	12	27	CA	PLACER	Yard	UP	Oth	H307	-	8,000	1,140	0	0	YARD/SWITCHING	003	0	1

1988: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	53998	55A	11	02	CA	PLACER	Main	UP	Der	H999	E53C	558,550	95,000	0	0	FREIGHT TRAIN	031	0	22

1988: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	53998	55A	11	02	CA	PLACER	Main	UP	Der	H999	E53C	558,550	95,000	0	0	FREIGHT TRAIN	031	0	22

1988: Placer County, California (accidents, hazmat released):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	53998	55A	11	02	CA	PLACER	Main	UP	Der	H999	E53C	558,550	95,000	0	0	FREIGHT TRAIN	031	0	22

1988: Placer County, California (accidents, people evacuated):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	53998	55A	11	02	CA	PLACER	Main	UP	Der	H999	E53C	558,550	95,000	0	0	FREIGHT TRAIN	031	0	22

1989: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	52399	55A	04	04	CA	PLACER	Yard	UP	Oth	H702	-	7,430	800	0	0	YARD/SWITCHING	005	0	4
2	UP	54049	55A	06	07	CA	PLACER	Yard	UP	Der	M405	-	3,085	3,874	0	0	YARD/SWITCHING	003	0	6
3	UP	55029	55A	07	28	CA	PLACER	Yard	UP	Der	M407	-	10,544	400	0	0	FREIGHT TRAIN	009	0	3
4	UP	55639	55A	08	06	CA	PLACER	Yard	UP	Der	H021	H102	11,216	1,000	0	1	CUT OF CARS	001	0	4
5	UP	56219	55A	09	02	CA	PLACER	Yard	UP	Der	E07C	-	2,387	11,811	0	0	YARD/SWITCHING	005	0	6
6	UP	57239	55A	11	01	CA	PLACER	Yard	UP	Coll	H306	-	14,762	0	0	0	WORK TRAIN	001	0	0
7	UP	58069	55A	12	20	CA	PLACER	Main	UP	Der	M599	-	2,215	6,934	0	0	WORK TRAIN	005	0	4

1989: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	57239	55A	11	01	CA	PLACER	Yard	UP	Coll	H306	-	14,762	0	0	0	WORK TRAIN	001	0	0
2	UP	58069	55A	12	20	CA	PLACER	Main	UP	Der	M599	-	2,215	6,934	0	0	WORK TRAIN	005	0	4

1989: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	58069	55A	12	20	CA	PLACER	Main	UP	Der	M599	-	2,215	6,934	0	0	WORK TRAIN	005	0	4

1989: Placer County, California (accidents, hazmat released): None.

1990: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	A1880	55A	04	30	CA	PLACER	Yard	UP	Der	H306	-	10,230	800	0	0	FREIGHT TRAIN	001	0	4
2	UP	A3060	55A	07	22	CA	PLACER	Main	UP	Der	E46C	-	500	220,000	0	0	FREIGHT TRAIN	020	0	1
3	UP	A3040	55A	07	25	CA	PLACER	Yard	UP	Oth	H702	-	53,300	500	0	0	YARD/SWITCHING	004	1	0
4	UP	A3080	55A	07	28	CA	PLACER	Main	UP	Der	E46C	-	1,500	20,000	0	0	FREIGHT TRAIN	017	0	1
5	UP	A3110	55A	07	31	CA	PLACER	Yard	UP	Der	H799	-	7,035	1,200	0	0	YARD/SWITCHING	005	0	4
6	UP	A3850	55A	09	20	CA	PLACER	Main	UP	Coll	H307	-	800,000	0	0	0	LIGHT LOCO(S)	010	0	0
7	UP	A4720	55A	12	12	CA	PLACER	Yard	UP	Der	T110	-	9,080	3,000	0	0	YARD/SWITCHING	003	0	3
8	UP	V9640	55A	12	27	CA	PLACER	Yard	UP	Coll	H702	-	3,500	0	0	3	LIGHT LOCO(S)	003	0	0
8	UP	V9640	55A	12	27	CA	PLACER	Yard	UP	Coll	H702	-	2,500	0	0	3	LIGHT LOCO(S)	003	0	0

1990: Placer County, California (accidents involving cars carrying hazmat): None.

1991: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B0301	55A	01	25	CA	PLACER	Main	UP	Oth	H402	-	11,150	0	0	1	SINGLE CAR	003	0	0
1	UP	B0301	55A	01	25	CA	PLACER	Main	UP	Oth	H402	-	600	0	0	1	SINGLE CAR	003	0	0
2	UP	B0421	55A	02	03	CA	PLACER	Yard	UP	Oth	E08L	-	14,800	600	0	0	YARD/SWITCHING	004	0	2
3	UP	B0791	55A	03	27	CA	PLACER	Yard	UP	Oth	M407	-	53,100	100	0	0	YARD/SWITCHING	008	0	1
4	UP	B1121	55A	04	11	CA	PLACER	Yard	UP	Oth	H018	-	11,150	300	0	0	YARD/SWITCHING	004	0	4
5	UP	B1681	55A	06	15	CA	PLACER	Main	UP	Oth	H702	-	0	10,000	0	0	FREIGHT TRAIN	005	0	0
6	UP	B1751	55A	06	20	CA	PLACER	Yard	UP	Der	M407	-	11,450	0	0	0	CUT OF CARS	010	0	1
7	UP	B2151	55A	07	28	CA	PLACER	Yard	UP	Der	H020	-	13,000	500	0	0	CUT OF CARS	005	0	2
8	UP	B2391	55A	08	05	CA	PLACER	Main	UP	Der	E40C	-	1,000	10,000	0	0	FREIGHT TRAIN	010	0	1
9	UP	B3311	55A	10	03	CA	PLACER	Yard	UP	Der	M407	-	16,800	600	0	0	YARD/SWITCHING	007	0	2
10	UP	B3291	55A	10	31	CA	PLACER	Yard	UP	Der	T220	-	1,810	6,000	0	0	FREIGHT TRAIN	005	0	7

1991: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B1121	55A	04	11	CA	PLACER	Yard	UP	Oth	H018	-	11,150	300	0	0	YARD/SWITCHING	004	0	4
2	UP	B3311	55A	10	03	CA	PLACER	Yard	UP	Der	M407	-	16,800	600	0	0	YARD/SWITCHING	007	0	2
3	UP	B3291	55A	10	31	CA	PLACER	Yard	UP	Der	T220	-	1,810	6,000	0	0	FREIGHT TRAIN	005	0	7

1991: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B1121	55A	04	11	CA	PLACER	Yard	UP	Oth	H018	-	11,150	300	0	0	YARD/SWITCHING	004	0	4
2	UP	B3311	55A	10	03	CA	PLACER	Yard	UP	Der	M407	-	16,800	600	0	0	YARD/SWITCHING	007	0	2
3	UP	B3291	55A	10	31	CA	PLACER	Yard	UP	Der	T220	-	1,810	6,000	0	0	FREIGHT TRAIN	005	0	7

1991: Placer County, California (accidents, hazmat released): None.

1992: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B0562	55A	02	07	CA	PLACER	Yard	UP	Der	H312	H399	18,700	100	0	0	SINGLE CAR	006	0	2
2	UP	B1392	55A	04	02	CA	PLACER	Yard	UP	Der	T202	-	967	12,000	0	0	YARD/SWITCHING	005	0	7
3	UP	B1282	55A	04	11	CA	PLACER	Main	UP	Der	E24C	-	44,000	60,000	0	0	FREIGHT TRAIN	025	0	3
4	UP	B2802	55A	08	01	CA	PLACER	Yard	UP	Der	M405	-	2,350	12,000	0	0	YARD/SWITCHING	002	0	5
5	UP	B2812	55A	08	10	CA	PLACER	Yard	UP	Der	M405	H503	10,100	50,000	0	0	YARD/SWITCHING	005	0	9
6	UP	B2942	55A	08	26	CA	PLACER	Yard	UP	Coll	H302	-	7,000	0	0	0	CUT OF CARS	000	0	1
6	UP	B2942	55A	08	26	CA	PLACER	Yard	UP	Coll	H302	-	1,000	0	0	0	YARD/SWITCHING	010	0	0

1992: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B2942	55A	08	26	CA	PLACER	Yard	UP	Coll	H302	-	7,000	0	0	0	CUT OF CARS	000	0	1
1	UP	B2942	55A	08	26	CA	PLACER	Yard	UP	Coll	H302	-	1,000	0	0	0	YARD/SWITCHING	010	0	0

1992: Placer County, California (accidents, cars carrying hazmat/damaged): None.

1993: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B0923	55A	05	09	CA	PLACER	Main	UP	Der	H701	-	3,286	7,000	0	0	YARD/SWITCHING	002	0	5
2	UP	B1093	55A	05	31	CA	PLACER	Yard	UP	Der	T001	-	1,800	5,000	0	0	YARD/SWITCHING	004	0	5
3	UP	B1613	55A	08	24	CA	PLACER	Yard	UP	Der	M405	-	2,500	4,000	0	0	YARD/SWITCHING	004	0	5
4	UP	B2173	55A	11	17	CA	PLACER	Yard	UP	Oth	H306	-	37,200	2,500	0	1	YARD/SWITCHING	005	0	2
5	UP	B2313	55A	12	17	CA	PLACER	Main	UP	Der	H525	H504	40,000	0	0	0	FREIGHT TRAIN	005	0	2

1993: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B2173	55A	11	17	CA	PLACER	Yard	UP	Oth	H306	-	37,200	2,500	0	1	YARD/SWITCHING	005	0	2

1993: Placer County, California (accidents, cars carrying hazmat/damaged): None.

1994: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B0534	55A	02	25	CA	PLACER	Yard	UP	Coll	H399	-	10,400	1,000	0	1	YARD/SWITCHING	000	0	0
1	UP	B0534	55A	02	25	CA	PLACER	Yard	UP	Coll	H399	-	3,000	0	0	1	YARD/SWITCHING	003	0	1
2	UP	B0674	55A	03	19	CA	PLACER	Yard	UP	Der	T110	-	10,150	2,000	0	0	FREIGHT TRAIN	010	0	4
3	UP	B0814	55A	04	08	CA	PLACER	Main	UP	Oth	M399	-	15,000	7,000	0	0	FREIGHT TRAIN	030	0	0
4	UP	B1104	55A	06	04	CA	PLACER	Yard	UP	Der	H306	-	9,578	1,200	0	0	YARD/SWITCHING	003	0	6
5	UP	B1594	55A	07	24	CA	PLACER	Yard	UP	Der	T216	-	800	20,000	0	0	YARD/SWITCHING	004	0	2
6	UP	B1584	55A	07	26	CA	PLACER	Main	UP	Der	H503	-	59,921	15,000	0	1	FREIGHT TRAIN	030	0	6
7	UP	B1694	55A	07	31	CA	PLACER	Yard	UP	Der	T311	-	9,000	1,500	0	0	FREIGHT TRAIN	005	0	3
8	UP	B1974	55A	08	30	CA	PLACER	Yard	UP	Der	H503	-	17,775	1,200	0	1	YARD/SWITCHING	005	0	3
9	UP	B2074	55A	09	15	CA	PLACER	Yard	UP	Coll	H399	-	4,700	0	0	0	YARD/SWITCHING	000	1	1
9	UP	B2074	55A	09	15	CA	PLACER	Yard	UP	Coll	H399	-	3,000	0	0	0	CUT OF CARS	008	0	1
10	UP	B2194	55A	10	22	CA	PLACER	Yard	UP	Coll	H020	-	182,500	0	0	0	CUT OF CARS	008	0	6
10	UP	B2194	55A	10	22	CA	PLACER	Yard	UP	Coll	H020	-	33,000	1,000	0	0	FREIGHT TRAIN	003	0	1
11	UP	B2214	55A	10	24	CA	PLACER	Yard	UP	Der	H702	-	10,600	0	0	0	YARD/SWITCHING	004	0	2
12	UP	B2624	55A	12	12	CA	PLACER	Main	UP	Der	M599	-	56,858	10,000	0	2	FREIGHT TRAIN	040	0	5
13	UP	B2644	55A	12	17	CA	PLACER	Yard	UP	Der	M409	-	10,594	1,500	0	0	FREIGHT TRAIN	003	0	4
14	UP	B2724	55A	12	24	CA	PLACER	Yard	UP	Der	T110	-	22,712	800	0	0	FREIGHT TRAIN	005	3	4

1994: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B1594	55A	07	24	CA	PLACER	Yard	UP	Der	T216	-	800	20,000	0	0	YARD/SWITCHING	004	0	2
2	UP	B1694	55A	07	31	CA	PLACER	Yard	UP	Der	T311	-	9,000	1,500	0	0	FREIGHT TRAIN	005	0	3
3	UP	B2074	55A	09	15	CA	PLACER	Yard	UP	Coll	H399	-	4,700	0	0	0	YARD/SWITCHING	000	1	1
3	UP	B2074	55A	09	15	CA	PLACER	Yard	UP	Coll	H399	-	3,000	0	0	0	CUT OF CARS	008	0	1

1994: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B1694	55A	07	31	CA	PLACER	Yard	UP	Der	T311	-	9,000	1,500	0	0	FREIGHT TRAIN	005	0	3

1994: Placer County, California (accidents, hazmat released): None.

1995: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B0045	55A	01	11	CA	PLACER	Main	UP	Der	T499	-	8,273	700	0	0	WORK TRAIN	012	2	0
2	UP	B0275	55A	01	28	CA	PLACER	Yard	UP	Der	M409	-	5,604	1,200	0	0	YARD/SWITCHING	005	0	7
3	UP	B0295	55A	01	29	CA	PLACER	Yard	UP	Oth	H104	-	7,772	2,500	0	0	YARD/SWITCHING	002	1	0
4	UP	P0465	55A	04	23	CA	PLACER	Yard	UP	Oth	M505	-	8,700	0	0	1	LIGHT LOCO(S)	000	0	0
4	UP	P0465	55A	04	23	CA	PLACER	Yard	UP	Oth	M505	-	7,500	0	0	1	LIGHT LOCO(S)	010	0	0
5	UP	B0905	55A	04	27	CA	PLACER	Yard	UP	Coll	H210	-	8,500	2,311	0	0	LIGHT LOCO(S)	003	1	0
5	UP	B0905	55A	04	27	CA	PLACER	Yard	UP	Coll	H210	-	0	0	0	0	YARD/SWITCHING	000	0	0
6	UP	B1005	55A	06	03	CA	PLACER	Main	UP	Oth	H499	-	40,000	0	0	0	SINGLE CAR	000	0	0
6	UP	B1005	55A	06	03	CA	PLACER	Main	UP	Oth	H499	-	0	0	0	0	LIGHT LOCO(S)	020	0	0
7	UP	B1025	55A	06	10	CA	PLACER	Yard	UP	Der	E0HC	-	4,807	3,000	0	0	YARD/SWITCHING	005	0	2
8	UP	B1065	55A	06	15	CA	PLACER	Yard	UP	Der	T202	-	15,494	3,000	0	0	YARD/SWITCHING	005	0	6
9	UP	B1175	55A	07	01	CA	PLACER	Yard	UP	Der	T308	-	11,600	6,000	0	0	FREIGHT TRAIN	006	0	8
10	UP	B1205	55A	07	04	CA	PLACER	Yard	UP	Der	M205	-	7,574	0	0	0	YARD/SWITCHING	005	0	3
11	UP	B1245	55A	07	13	CA	PLACER	Yard	UP	Der	H702	-	10,413	3,000	0	0	YARD/SWITCHING	004	0	4
12	UP	B1515	55A	09	10	CA	PLACER	Yard	UP	Der	E07C	-	6,557	1,200	0	0	FREIGHT TRAIN	005	0	1
13	UP	B1525	55A	09	10	CA	PLACER	Main	UP	Der	H701	-	4,400	8,200	0	0	YARD/SWITCHING	003	0	4
14	UP	B1535	55A	09	14	CA	PLACER	Siding	UP	Der	E08C	-	4,510	2,000	0	0	SINGLE CAR	020	0	1
15	UP	B1985	55A	12	11	CA	PLACER	Yard	UP	Oth	M407	-	19,000	675	0	0	CUT OF CARS	010	0	3

1995: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B1525	55A	09	10	CA	PLACER	Main	UP	Der	H701	-	4,400	8,200	0	0	YARD/SWITCHING	003	0	4

1995: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B1525	55A	09	10	CA	PLACER	Main	UP	Der	H701	-	4,400	8,200	0	0	YARD/SWITCHING	003	0	4

1995: Placer County, California (accidents, hazmat released): None.

1996: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	B0076	55A	01	15	CA	PLACER	Yard	UP	Der	T110	-	6,463	1,100	0	0	FREIGHT TRAIN	005	1	6
2	UP	B0586	55A	04	19	CA	PLACER	Yard	UP	Der	T202	-	10,517	2,100	0	0	FREIGHT TRAIN	005	0	9
3	UP	B0906	55A	06	03	CA	PLACER	Main	UP	Oth	H402	-	0	7,500	0	0	SINGLE CAR	005	0	0
4	UP	B1256	55A	08	31	CA	PLACER	Yard	UP	Der	H503	-	12,250	1,800	0	0	FREIGHT TRAIN	004	0	9
5	ATK	61223NORAA	55A	12	23	CA	PLACER	Main	UP	Der	M101	-	8,000	0	0	0	PASSENGER TRAIN	020	0	1
5	UP	B1786	55A	12	23	CA	PLACER	Main	UP	Der	M101	-	0	1,000	0	0	NOT RPD OR N/A	000	0	0
6	ATK	61225WSDAA	55A	12	25	CA	PLACER	Yard	UP	Der	M505	-	16,882	0	0	0	PASSENGER TRAIN	005	1	0
6	UP	1296RS077	55A	12	25	CA	PLACER	Yard	UP	Der	M505	-	0	0	0	0	NOT RPD	000	0	0

1996: Placer County, California (accidents involving cars carrying hazmat): None.

1997: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1097RS017	55A	10	15	CA	PLACER	Yard	UP	Der	T110	-	39,485	200,000	0	0	FREIGHT TRAIN	006	0	15
2	UP	1297RS001	55A	12	01	CA	PLACER	Yard	UP	Der	T314	-	4,450	5,000	0	0	FREIGHT TRAIN	003	2	1
3	UP	1297RS019	55A	12	24	CA	PLACER	Yard	UP	Oth	H306	-	7,000	200	0	0	YARD/SWITCHING	003	0	5

1997: Placer County, California (accidents involving cars carrying hazmat): None.

1998: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0198RS004	55A	01	04	CA	PLACER	Yard	UP	Der	M405	-	7,550	0	0	0	CUT OF CARS	007	0	8
2	UP	0398RS007	55A	03	06	CA	PLACER	Yard	UP	Der	M405	-	800	20,000	0	0	FREIGHT TRAIN	003	0	10
3	UP	0398RS011	55A	03	09	CA	PLACER	Yard	UP	Oth	H704	-	1,200	10,000	0	0	YARD/SWITCHING	003	0	2
4	UP	0398RS017	55A	03	13	CA	PLACER	Yard	UP	Der	T110	-	3,840	54,200	0	0	YARD/SWITCHING	004	0	4
5	UP	0698RS016	55A	06	15	CA	PLACER	Main	UP	Der	M599	-	1,600	22,000	0	0	FREIGHT TRAIN	047	0	1
6	UP	1198RS019	55A	11	19	CA	PLACER	Yard	UP	Der	M503	-	8,500	0	0	0	FREIGHT TRAIN	014	3	0
7	UP	1198RS039	55A	11	30	CA	PLACER	Yard	UP	Oth	T210	-	480	8,000	0	0	FREIGHT TRAIN	003	0	4
8	UP	1298RS030	55A	12	15	CA	PLACER	Main	UP	Der	T110	-	300	15,800	0	0	FREIGHT TRAIN	024	0	1

1998: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0698RS016	55A	06	15	CA	PLACER	Main	UP	Der	M599	-	1,600	22,000	0	0	FREIGHT TRAIN	047	0	1
2	UP	1298RS030	55A	12	15	CA	PLACER	Main	UP	Der	T110	-	300	15,800	0	0	FREIGHT TRAIN	024	0	1

1998: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1298RS030	55A	12	15	CA	PLACER	Main	UP	Der	T110	-	300	15,800	0	0	FREIGHT TRAIN	024	0	1

1998: Placer County, California (accidents, hazmat released): None.

1999: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0199RS013	55A	01	18	CA	PLACER	Yard	UP	Oth	H702	-	14,000	750	0	0	YARD/SWITCHING	004	0	1
2	UP	0499RS075	55A	04	29	CA	PLACER	Yard	UP	Der	H212	-	15,000	0	0	0	LIGHT LOCO(S)	010	1	0
3	UP	0899RS066	55A	08	27	CA	PLACER	Yard	UP	Coll	S099	-	32,056	3,700	0	0	YARD/SWITCHING	000	0	3
3	UP	0899RS066	55A	08	27	CA	PLACER	Yard	UP	Coll	S099	-	2,821	0	0	0	YARD/SWITCHING	006	0	1
4	UP	1099RS057	55A	10	31	CA	PLACER	Yard	UP	Oth	H602	-	24,124	0	0	1	FREIGHT TRAIN	009	0	0
5	UP	1299RS019	55A	12	12	CA	PLACER	Main	UP	Der	E67C	-	155,580	100,000	0	0	FREIGHT TRAIN	025	0	8

1999: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0199RS013	55A	01	18	CA	PLACER	Yard	UP	Oth	H702	-	14,000	750	0	0	YARD/SWITCHING	004	0	1
2	UP	1299RS019	55A	12	12	CA	PLACER	Main	UP	Der	E67C	-	155,580	100,000	0	0	FREIGHT TRAIN	025	0	8

1999: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0199RS013	55A	01	18	CA	PLACER	Yard	UP	Oth	H702	-	14,000	750	0	0	YARD/SWITCHING	004	0	1
2	UP	1299RS019	55A	12	12	CA	PLACER	Main	UP	Der	E67C	-	155,580	100,000	0	0	FREIGHT TRAIN	025	0	8

1999: Placer County, California (accidents, hazmat released): None.

2000: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0200RS049	55A	02	23	CA	PLACER	Yard	UP	Der	S002	E46C	92	24,061	0	0	YARD/SWITCHING	004	0	1
2	UP	0300RS010	55A	03	06	CA	PLACER	Main	UP	Der	H504	-	13,800	5,200	0	0	FREIGHT TRAIN	017	0	1
3	UP	0600RS022	55A	06	16	CA	PLACER	Main	UP	Der	H509	E53C	1,581	380,762	0	0	FREIGHT TRAIN	012	0	1
4	UP	0900RS032	55A	09	20	CA	PLACER	Yard	UP	Oth	S007	-	9,565	0	0	0	SINGLE CAR	000	0	1
4	UP	0900RS032	55A	09	20	CA	PLACER	Yard	UP	Oth	S007	-	5,964	30,000	0	0	YARD/SWITCHING	008	0	1

2000: Placer County, California (accidents involving cars carrying hazmat): None.

2001: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0101RS003	55A	01	06	CA	PLACER	Main	UP	Der	E67C	-	4,774	15,096	0	0	FREIGHT TRAIN	025	0	2
2	UP	0301RS016	55A	03	05	CA	PLACER	Main	UP	Oth	M402	-	22,134	0	0	0	FREIGHT TRAIN	050	0	0
3	UP	0401RS029	55A	04	24	CA	PLACER	Yard	UP	Der	H704	-	15,931	23,000	0	0	YARD/SWITCHING	009	0	3
4	UP	0501RS035	55A	05	24	CA	PLACER	Yard	UP	Der	T403	-	24,385	32,073	0	0	FREIGHT TRAIN	010	0	4
5	UP	0601RS010	55A	06	07	CA	PLACER	Main	UP	Der	M405	-	2,210	842,196	0	0	FREIGHT TRAIN	014	0	1
6	UP	0701RS015	55A	07	11	CA	PLACER	Main	UP	Der	T199	-	219,765	331,808	0	0	FREIGHT TRAIN	014	0	10
7	UP	0801RS006	55A	08	11	CA	PLACER	Main	UP	Der	E99L	-	36,178	7,250	0	0	FREIGHT TRAIN	025	0	2
8	UP	0901RS007	55A	09	07	CA	PLACER	Yard	UP	Coll	H702	-	197,170	109,941	0	0	YARD/SWITCHING	011	0	10
8	UP	0901RS007	55A	09	07	CA	PLACER	Yard	UP	Coll	H702	-	1,300	0	0	0	FREIGHT TRAIN	000	0	0
9	UP	0901RS012	55A	09	09	CA	PLACER	Main	UP	Der	M405	T222	9,596	13,000	0	0	FREIGHT TRAIN	016	0	4
10	UP	1001RS014	55A	10	20	CA	PLACER	Main	UP	Der	T110	M405	88,931	69,487	0	0	FREIGHT TRAIN	012	0	10
11	ATK	071328	55A	11	30	CA	PLACER	Yard	UP	Oth	M404	-	41,300	0	0	0	SINGLE CAR	000	0	0
11	UP	1101RS041	55A	11	30	CA	PLACER	Yard	UP	Oth	M599	-	0	150	0	0	YARD/SWITCHING	004	0	0

2001: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0101RS003	55A	01	06	CA	PLACER	Main	UP	Der	E67C	-	4,774	15,096	0	0	FREIGHT TRAIN	025	0	2
2	UP	0601RS010	55A	06	07	CA	PLACER	Main	UP	Der	M405	-	2,210	842,196	0	0	FREIGHT TRAIN	014	0	1
3	UP	0801RS006	55A	08	11	CA	PLACER	Main	UP	Der	E99L	-	36,178	7,250	0	0	FREIGHT TRAIN	025	0	2
4	UP	0901RS012	55A	09	09	CA	PLACER	Main	UP	Der	M405	T222	9,596	13,000	0	0	FREIGHT TRAIN	016	0	4

2001: Placer County, California (accidents, cars carrying hazmat/damaged): None.

2002: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0402RS020	55A	04	14	CA	PLACER	Yard	UP	Oth	S099	-	8,743	500	0	0	LIGHT LOCO(S)	006	1	0
1	UP	0402RS020	55A	04	14	CA	PLACER	Yard	UP	Oth	S099	-	1,500	0	0	0	YARD/SWITCHING	000	0	0
2	UP	0502RS018	55A	05	12	CA	PLACER	Main	UP	Der	E40C	-	78,888	198,162	0	0	FREIGHT TRAIN	014	0	8
3	UP	0502RS019	55A	05	14	CA	PLACER	Main	UP	Der	T102	-	7,429	1,725	0	0	FREIGHT TRAIN	019	0	2
4	UP	0502RS030	55A	05	23	CA	PLACER	Yard	UP	Der	H305	-	9,270	5,100	0	0	YARD/SWITCHING	012	2	1
5	UP	0902RS003	55A	09	01	CA	PLACER	Yard	UP	Coll	H306	-	104,176	2,500	0	0	YARD/SWITCHING	005	0	2
5	UP	0902RS003	55A	09	01	CA	PLACER	Yard	UP	Coll	H306	-	15,283	0	0	0	YARD/SWITCHING	000	0	0
6	UP	0902RS006	55A	09	08	CA	PLACER	Main	UP	Der	E04C	-	165,401	199,733	0	0	FREIGHT TRAIN	018	0	21
7	UP	1002RS005	55A	10	05	CA	PLACER	Main	UP	Der	T199	-	217,250	141,483	0	0	FREIGHT TRAIN	014	0	13
8	UP	1002RS009	55A	10	08	CA	PLACER	Yard	UP	Coll	H702	-	309,603	92,697	0	0	YARD/SWITCHING	015	0	7
8	UP	1002RS009	55A	10	08	CA	PLACER	Yard	UP	Coll	H702	-	49,223	0	0	0	CUT OF CARS	000	0	3
9	UP	1202RS022	55A	12	20	CA	PLACER	Main	UP	Der	H519	-	2,305	8,000	0	0	FREIGHT TRAIN	011	0	1
9	UP	1202RS022	55A	12	20	CA	PLACER	Main	UP	Der	H519	-	1,000	0	0	0	FREIGHT TRAIN	012	0	0
10	UP	1202RS030	55A	12	30	CA	PLACER	Main	UP	Der	M405	-	91,124	10,689	0	0	FREIGHT TRAIN	010	0	5

2002: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Ini	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Ini	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0502RS018	55A	05	12	CA	PLACER	Main	UP	Der	E40C	-	78,888	198,162	0	0	FREIGHT TRAIN	014	0	8
2	UP	1202RS022	55A	12	20	CA	PLACER	Main	UP	Der	H519	-	2,305	8,000	0	0	FREIGHT TRAIN	011	0	1
2	UP	1202RS022	55A	12	20	CA	PLACER	Main	UP	Der	H519	-	1,000	0	0	0	FREIGHT TRAIN	012	0	0
3	UP	1202RS030	55A	12	30	CA	PLACER	Main	UP	Der	M405	-	91,124	10,689	0	0	FREIGHT TRAIN	010	0	5

2002: Placer County, California (accidents, cars carrying hazmat/damaged): None.

2003: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0103RS026	55A	01	29	CA	PLACER	Main	UP	Der	M204	-	2,059	142,000	0	0	FREIGHT TRAIN	020	0	1
2	UP	0203RS003	55A	02	08	CA	PLACER	Main	UP	Der	E29C	-	18,661	0	0	0	FREIGHT TRAIN	008	0	1
3	UP	0303RS020	55A	03	18	CA	PLACER	Yard	UP	Der	H702	-	90,000	10,800	0	0	LIGHT LOCO(S)	010	1	0
4	UP	0403RS014	55A	04	15	CA	PLACER	Yard	UP	Der	H306	H702	45,850	23,145	0	0	YARD/SWITCHING	007	0	3
4	UP	0403RS014	55A	04	15	CA	PLACER	Yard	UP	Der	H306	H702	3,597	0	0	0	LIGHT LOCO(S)	000	1	0
5	UP	0403RS024	55A	04	22	CA	PLACER	Main	UP	Der	M405	-	359,031	1064096	0	0	FREIGHT TRAIN	016	0	13
6	UP	0603RS016	55A	06	14	CA	PLACER	Yard	UP	Coll	H211	-	100,000	0	0	0	YARD/SWITCHING	010	0	0
6	UP	0603RS016	55A	06	14	CA	PLACER	Yard	UP	Coll	H211	-	36,494	72,960	0	0	YARD/SWITCHING	010	0	5
7	UP	0703RS009	55A	07	10	CA	PLACER	Yard	UP	Der	H306	-	18,885	1,400	0	0	YARD/SWITCHING	010	0	8
8	UP	0803RS016	55A	08	13	CA	PLACER	Main	UP	Der	T110	-	248,485	261,500	0	0	FREIGHT TRAIN	019	2	11
9	UP	0803RS024	55A	08	19	CA	PLACER	Main	UP	Der	E21C	-	17,114	300	0	0	FREIGHT TRAIN	018	0	1
10	UP	0803RS022	55A	08	20	CA	PLACER	Yard	UP	Coll	H399	-	6,493	3,000	0	0	LIGHT LOCO(S)	000	0	0
10	UP	0803RS022	55A	08	20	CA	PLACER	Yard	UP	Coll	H399	-	2,544	0	0	0	YARD/SWITCHING	015	0	0
11	UP	0803RS031	55A	08	25	CA	PLACER	Yard	UP	Der	H704	-	10,061	1,000	0	0	YARD/SWITCHING	005	0	4
12	UP	0803RS033	55A	08	27	CA	PLACER	Yard	UP	Oth	H307	-	22,487	0	0	0	CUT OF CARS	000	0	0
12	UP	0803RS033	55A	08	27	CA	PLACER	Yard	UP	Oth	H307	-	0	0	0	0	LIGHT LOCO(S)	014	0	0
13	UP	0903RS035	55A	09	28	CA	PLACER	Yard	UP	Der	T110	-	0	119,600	0	0	LIGHT LOCO(S)	004	2	0
14	UP	1003RS006	55A	10	09	CA	PLACER	Yard	UP	Oth	H305	-	26,000	6,000	0	0	LIGHT LOCO(S)	003	1	0
14	UP	1003RS006	55A	10	09	CA	PLACER	Yard	UP	Oth	H305	-	18,165	0	0	0	CUT OF CARS	000	0	0
15	UP	1103RS007	55A	11	11	CA	PLACER	Yard	UP	Der	H020	-	16,098	3,746	0	0	YARD/SWITCHING	010	0	2
16	UP	1103RS014	55A	11	14	CA	PLACER	Yard	UP	Der	H017	-	36,806	8,000	0	0	LIGHT LOCO(S)	005	1	0
17	UP	1203RS001	55A	12	03	CA	PLACER	Yard	UP	Coll	H306	-	50,331	22,000	0	0	YARD/SWITCHING	010	0	3
17	UP	1203RS001	55A	12	03	CA	PLACER	Yard	UP	Coll	H306	-	3,781	0	0	0	YARD/SWITCHING	004	1	0
18	UP	1203RS025	55A	12	16	CA	PLACER	Main	UP	Der	E51C	-	1134294	288,547	0	0	FREIGHT TRAIN	048	0	27

2003: Placer County, California (accidents involving cars carrying hazmat): None.

2004: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	ATK	090899	55A	01	01	CA	PLACER	Main	UP	Der	M101	-	7,854	0	0	1	PASSENGER TRAIN	010	0	1
1	UP	0104RS002	55A	01	01	CA	PLACER	Main	UP	Der	M101	-	0	0	0	0	NOT RPD OR N/A	000	0	0
2	UP	0104RS032	55A	01	30	CA	PLACER	Main	UP	Der	M405	-	166,268	101,821	0	0	FREIGHT TRAIN	019	2	9
3	UP	0304RS005	55A	03	05	CA	PLACER	Yard	UP	Der	H702	-	1,190	148,000	0	0	YARD/SWITCHING	004	2	2
4	UP	0304RS009	55A	03	13	CA	PLACER	Yard	UP	Oth	H399	-	25,541	500	0	0	YARD/SWITCHING	007	0	3
4	UP	0304RS009	55A	03	13	CA	PLACER	Yard	UP	Oth	H399	-	2,500	0	0	0	LIGHT LOCO(S)	005	0	0
5	UP	0804RS006	55A	08	05	CA	PLACER	Yard	UP	Oth	H306	-	7,835	379	0	0	YARD/SWITCHING	003	0	1
5	UP	0804RS006	55A	08	05	CA	PLACER	Yard	UP	Oth	H306	-	4,775	0	0	0	SINGLE CAR	000	0	0
6	UP	0904RS011	55A	09	07	CA	PLACER	Main	UP	Der	E40C	-	73,340	474,529	0	0	FREIGHT TRAIN	014	0	19
7	UP	1004RS001	55A	10	02	CA	PLACER	Main	UP	Der	E40C	-	49,937	274,713	0	0	FREIGHT TRAIN	018	0	16
8	UP	1104RS011	55A	11	10	CA	PLACER	Yard	UP	Der	M411	-	2,012	11,000	0	0	YARD/SWITCHING	004	0	9
9	UP	1204RS014	55A	12	26	CA	PLACER	Yard	UP	Der	H702	-	55,965	20,000	0	0	YARD/SWITCHING	014	2	5

2004: Placer County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0904RS011	55A	09	07	CA	PLACER	Main	UP	Der	E40C	-	73,340	474,529	0	0	FREIGHT TRAIN	014	0	19
2	UP	1004RS001	55A	10	02	CA	PLACER	Main	UP	Der	E40C	-	49,937	274,713	0	0	FREIGHT TRAIN	018	0	16

2004: Placer County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1004RS001	55A	10	02	CA	PLACER	Main	UP	Der	E40C	-	49,937	274,713	0	0	FREIGHT TRAIN	018	0	16

2004: Placer County, California (accidents, hazmat released): None.

2005: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	ATK	095163	55A	01	08	CA	PLACER	Main	UP	Der	M101	-	16,234	0	0	0	PASSENGER TRAIN	007	0	1
1	UP	0105RS011	55A	01	08	CA	PLACER	Main	UP	Der	M101	-	0	5,035	0	0	NOT RPD OR N/A	000	0	0
2	UP	0105RS028	55A	01	23	CA	PLACER	Main	UP	Der	M204	-	3,158	11,534	0	0	FREIGHT TRAIN	008	0	1
3	UP	0305RS007	55A	03	07	CA	PLACER	Main	UP	Der	T220	-	36,604	43,361	0	0	FREIGHT TRAIN	007	0	5
4	UP	0505RS053	55A	05	16	CA	PLACER	Yard	UP	Oth	M507	-	7,065	0	0	0	CUT OF CARS	000	0	0
5	UP	0605RS018	55A	06	11	CA	PLACER	Yard	UP	Der	M408	-	17,301	400	0	0	YARD/SWITCHING	004	0	3
6	UP	0805RS015	55A	08	13	CA	PLACER	Yard	UP	Der	E29C	-	18,726	3,353	0	0	YARD/SWITCHING	002	0	2
7	UP	0905RS001	55A	09	02	CA	PLACER	Yard	UP	Der	H999	-	6,400	3,000	0	0	YARD/SWITCHING	010	0	1
7	UP	0905RS001	55A	09	02	CA	PLACER	Yard	UP	Der	H999	-	2,484	0	0	0	YARD/SWITCHING	004	0	2
8	UP	1205RS002	55A	12	01	CA	PLACER	Main	UP	Oth	M304	-	0	80,000	0	0	FREIGHT TRAIN	030	0	0
9	UP	1205RS023	55A	12	15	CA	PLACER	Main	UP	Coll	H220	-	68,500	0	0	0	LIGHT LOCO(S)	011	1	0
9	UP	1205RS023	55A	12	15	CA	PLACER	Main	UP	Coll	H220	-	18,958	0	0	0	FREIGHT TRAIN	020	0	3

2005: Placer County, California (accidents involving cars carrying hazmat):

Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1205RS023	55A	12	15	CA	PLACER	Main	UP	Coll	H220	-	68,500	0	0	0	LIGHT LOCO(S)	011	1	0
1	UP	1205RS023	55A	12	15	CA	PLACER	Main	UP	Coll	H220	-	18,958	0	0	0	FREIGHT TRAIN	020	0	3

2005: Placer County, California (accidents, cars carrying hazmat/damaged): None.

2006: Placer County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	0106RS021	55A	01	15	CA	PLACER	Main	UP	Coll	H605	-	21,115	0	0	0	FREIGHT TRAIN	005	0	0
1	UP	0106RS021	55A	01	15	CA	PLACER	Main	UP	Coll	H605	-	700	0	0	0	WORK TRAIN	023	0	0
2	UP	0106RS017	55A	01	18	CA	PLACER	Yard	UP	Der	T314	-	139,209	42,986	0	0	YARD/SWITCHING	008	0	3
3	UP	0306RS022	55A	03	14	CA	PLACER	Main	UP	Der	M101	-	1,000	8,494	0	0	WORK TRAIN	005	1	0
4	UP	0406RS018	55A	04	23	CA	PLACER	Yard	UP	Der	H306	H702	52,579	2,435	0	0	YARD/SWITCHING	004	0	5
5	UP	1106RS005	55A	11	06	CA	PLACER	Yard	UP	Oth	M302	-	20	10,000	0	0	YARD/SWITCHING	010	0	0
6	UP	1106RS011	55A	11	09	CA	PLACER	Main	UP	Der	M504	-	1400000	541,000	2	0	NOT RPD OR N/A	040	0	1
7	UP	1206RS027	55A	12	27	CA	PLACER	Yard	UP	Der	H306	-	34,533	0	0	0	YARD/SWITCHING	005	0	3

2006: Placer County, California (accidents involving cars carrying hazmat): None.

1975: Sierra County, California (all accidents): None.

1976: Sierra County, California (all accidents): None

1977: Sierra County, California (all accidents): None

1978: Sierra County, California (all accidents): None

1979: Sierra County, California (all accidents): None

1980: Sierra County, California (all accidents): None

1981: Sierra County, California (all accidents): None

1982: Sierra County, California (all accidents): None

1983: Sierra County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	251183	55A	05	21	CA	SIERRA	Main	UP	Der	T101	-	0	8,400	0	0	FREIGHT TRAIN	025	0	1

1983: Sierra County, California (accidents involving cars carrying hazmat): None.

1984: Sierra County, California (all accidents): None

1985: Sierra County, California (all accidents): None

1986: Sierra County, California (all accidents): None

1987: Sierra County, California (all accidents): None

1988: Sierra County, California (all accidents): None

1989: Sierra County, California (all accidents): None

1990: Sierra County, California (all accidents): None

1991: Sierra County, California (all accidents): None

1992: Sierra County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1192FR013	55A	11	25	CA	SIERRA	Main	UP	Der	E25C	T199	1,200	30,000	0	0	FREIGHT TRAIN	010	0	1

1992: Sierra County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1192FR013	55A	11	25	CA	SIERRA	Main	UP	Der	E25C	T199	1,200	30,000	0	0	FREIGHT TRAIN	010	0	1

1992: Sierra County, California (accidents, cars carrying hazmat/damaged):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1192FR013	55A	11	25	CA	SIERRA	Main	UP	Der	E25C	T199	1,200	30,000	0	0	FREIGHT TRAIN	010	0	1

1992: Sierra County, California (accidents, hazmat released): None.

1993: Sierra County, California (all accidents): None

1994: Sierra County, California (all accidents): None

1995: Sierra County, California (all accidents): None

1996: Sierra County, California (all accidents):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1096LA016	55A	10	18	CA	SIERRA	Main	UP	Der	M201	-	16,500	31,400	0	0	FREIGHT TRAIN	025	0	2
2	UP	1096LA028	55A	10	18	CA	SIERRA	Main	UP	Der	M201	-	6,500	20,000	0	0	FREIGHT TRAIN	025	0	2

1996: Sierra County, California (accidents involving cars carrying hazmat):

Acc Nbr	Rpt RR	Report Number	Kld/Inj	Mo	Day	ST	County	Type Track	Trk Maint	Type Acc	Pri Cause	Cont Cause	Equip Damage	Track Damage	Kld	Inj	RR Equip	Spd Mph	Locos Der	Cars Der
1	UP	1096LA028	55A	10	18	CA	SIERRA	Main	UP	Der	M201	-	6,500	20,000	0	0	FREIGHT TRAIN	025	0	2

1996: Sierra County, California (accidents, cars carrying hazmat/damaged): None

1997: Sierra County, California (all accidents): None

1998: Sierra County, California (all accidents): None

1999: Sierra County, California (all accidents): None

2000: Sierra County, California (all accidents): None

2001: Sierra County, California (all accidents): None

2002: Sierra County, California (all accidents): None

2003: Sierra County, California (all accidents): None

2004: Sierra County, California (all accidents): None

2005: Sierra County, California (all accidents): None

2006: Sierra County, California (all accidents): None

Appendix 2. HMIRS database, 1995-2002 for: Washoe County, Nevada; Nevada, Placer, and Sierra Counties, California.

(attached separately, Excel format)