1 of 4

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MSHA/IR--1208

Injury Experience in Metallic Mineral Mining, 1991

U.S. Department of Labor
Robert B. Reich, Secretary

Mine Safety and Health Administration
Edward C. Hugler, Acting Assistant Secretary

Information Report
IR 1208

1993

MASTER

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and Health.

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INJURY EXPERIENCE IN METALLIC MINERAL MINING, 1991

by

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ABSTRACT

This Mine Safety and Health Administration (MSHA) informational report reviews in detail the occupational injury and illness experience of metallic mineral mining in the United States for 1991. Data reported by operators of mining establishments concerning work injuries are summarized by work location, accident classification, part of body injured, nature of injury, occupation, and principal type of mineral. Related information on employment, worktime, and operating activity also is presented. Data reported by independent contractors performing certain work at mining locations are depicted separately in this report. For ease of comparison with other metal and nonmetallic mineral mining industries and with coal mining, summary reference tabulations are included at the end of both the operator and the contractor sections of this report.

INTRODUCTION

Data used in compiling this report were reported by operators of metallic mineral mines and preparation plants on a mandatory basis as required under the Federal Mine Safety and Health Act of 1977, Public Law 91-173 as amended by Law 95-164. Since January 1, 1978, operators of mines or preparation plants or both which are subject to the Act have been required under 30 CFR, Part 50, to submit reports of injuries, occupational illnesses, and related data.

Only data reported by the operators and contractors themselves are utilized in this report. No estimates are made of employment, employee-hours, or injuries for nonrespondent operations except as necessary to meet statistical processing requirements by providing minimum employment data for reported unmatched injury data.

Beginning with calendar year 1978, statistical measures for injury experience in mining were changed from the measures used from 1930 through 1977. The statistical measures for injury experience adopted by MSHA in 1978 compare closely with the measures used in the Office of Occupational Safety and Health Statistics, Bureau of Labor Statistics, U. S. Department of Labor. Therefore, beginning with 1978 data, the mining industry can be compared on a standard basis with other United States industries reporting under the Occupational Safety and Health Act of 1970.

Occurrences identified as occupational illnesses by mine operators were reported to MSHA and were processed in accordance with 30 CFR PART 50.20-6. The reported illnesses are summarized in seven categories for each work location, type of mineral, and State. Incidence rates and severity measures are not computed for occupational illnesses.

Because of the modifications in reporting and processing procedures that became effective January 1, 1978, injury rates as currently computed are not precisely comparable to those of previous years, except for fatality rates in which the "incidence rate" (the term used after 1977) is one-fifth of the "frequency rate" (the term used prior to 1978) for otherwise similar groupings of fatal injuries and worktimes. Because of this disparity, MSHA annual publications concerning injuries, illnesses, and operating activity will not contain data for years prior to 1978.

SCOPE OF STATISTICS

The statistical data in this report cover the work experience of all personnel engaged in mine exploration, development, production, maintenance, repair, and construction work, including supervisory and technical personnel, working partners, and onsite officeworkers. The classification of industries is in close general agreement with the Standard Industrial Classification. 1/

It should be noted that amendments to legislation that funded MSHA and other government programs from December 16, 1981, through July 18, 1982, prohibited MSHA from administering or enforcing the Federal Mine Safety and Health Act of 1977 (Mine Act) or MSHA standards and regulations with respect to any person engaged in the surface mining or milling of stone, clay, feldspar, colloidal phosphate, or sand and gravel. They also provided that MSHA could not administer or enforce the Mine Act or MSHA standards and regulations on any State or political subdivision thereof. Further, MSHA could not administer or enforce the Mine Act or MSHA standards or regulations with respect to any independent construction contractor who was engaged by an operator for the construction, repair or alteration of structures, facilities, utilities or private ways or roads located on (or appurtenant to) the surface areas of any coal or other mine, and whose employees worked in a specifically demarcated area, separate from actual mining or extraction activities. No data on exempted activities are included for that period of time in Table 1 of this publication.

MSHA issued guidelines which additionally reduced the reporting requirements of independent contractors. Reporting of employment, hours worked, and injury/illness data by independent contractors is limited to the following types of work performed: mine development, including shaft and slope sinking; construction or reconstruction of mine facilities, including building or rebuilding preparation plants and mining equipment, and building additions to existing facilities;

1/ Executive Office of the President, Office of Management and Budget. Standard Industrial Classification Manual. 1972 revision.

demolition of mine facilities; construction of dams; excavation or earthmoving activities involving mobile equipment; equipment installation, such as crushers and mills; equipment service or repair done underground or in the pit for a period exceeding five consecutive days at a particular mine; material handling within mine property, including haulage of coal, ore, refuse, etc., unless for the sole purpose of direct removal from or delivery to mine property; drilling and blasting. Also, data collected for employment and hours worked in those activities reflect the contractor's total metallic/nonmetallic work locations and total coal work locations and not the individual mine sites. For more detailed information concerning these changes, see the guidelines accompanying MSHA Policy Memoranda Nos. 82-6A MM and 81-35A C.

DEFINITION OF TERMS

Occupational Injury.--An occupational injury is an injury to a mine worker which occurs at a mine and for which medical treatment is administered, or which results in death or loss of consciousness, restriction of work or motion, inability to perform all job duties on any day after an injury, lost workdays, temporary assignment to other duties, transfer to another job, or termination. The injury usually results from a recognizable single incident. For example, an explosion of a battery which splattered a worker with sulfuric acid would be a single incident and the worker would be considered to have suffered an injury. Another example would be an injury where a worker was overcome by hydrogen sulfide gas released from an exploding vessel.

Occupational illness.--An occupational illness is an illness or disease of a mine worker which may have resulted from work at a mine or for which an award of compensation is made. To be classified as an occupational illness, the disability must result from repeated exposure to the condition or substance which caused the disability. A classic illness example is a pneumoconiosis disability which may have been induced by repeated exposure to the causative dusty condition. Dermatitis resulting from repeated exposure to lime dust or other material in the work environment also should be reported as an illness. In cases where the time of onset of illness is in doubt, the day of diagnosis of illness will be considered as the first day of illness.

Number of Operations and Associated Work Locations.--Number of operations is the number of individual respondents with a unique Federal identification number that have reported worktime data. The count and kind of operation are based on the lowest numbered (primary) subunit on employment report Form 7000-2 (see figure 2, p. 11) that contains worktime data. An associated work location is a subunit reported with a primary subunit, e.g., an "office" is almost always an associated work location. Independent contractors working on mine property performing the types of work described under "Scope of Statistics" are assigned an identification number, report to MSHA, but are not included in the count of operations. Contractor data are depicted separately in this report.

Worktime.--Worktime includes the number of workers and the number of employee-hours worked. "Average number of workers" is a summary of the average number of persons working at individual establishments during calendar quarters of active operations. "Employee-hours" is a summary of employee-hours reported.

Employment Size Group.--Reporting operations are classified into size groups according to the average number of workers in specified work locations.

Degree of Injury.--Degree of injury indicates the seriousness of injuries. FATAL injuries are those occurrences resulting in death, NFDL (NonFatal with Days Lost) injuries are nonfatal occurrences that result in days away from work, statutory days charged, or days of restricted work activity. NDL (No Days Lost) injuries are occurrences having no lost workdays; that is, nonfatal injury occurrences resulting only in temporary loss of consciousness or medical treatment other than first aid.

A permanent total disability is caused by any work injury or illness other than death that permanently and totally incapacitates a worker from following any gainful occupation, or that results in the loss, or the complete loss of use, of both or any combination of: hands, arms, legs, feet, or eyes.

A permanent partial disability is caused by any work injury or illness other than death or permanent total disability that results in the loss, or the complete loss of use, of any member or part of a member of the body, or any permanent impairment of functions of the body or part thereof, regardless of any preexisting disability of the injured member or impaired body function.

Incidence Rate.--Incidence rate is defined as the number of injuries per 200,000 employee-hours, rounded to two decimal places. The highest rate given is 99.99. If an incidence rate is greater than 99.99, then 99.99 is printed. If no data were reported, then a hyphen is printed. If a computation is less than 0.01 after rounding, then an asterisk inside parentheses (*) is printed. The following is the standard incidence rate formula:

$$IR = \frac{\text{Number of injuries} \times 200,000}{\text{Number of employee-hours}}$$

Lost Workdays (LWD).--Lost workdays consist of days away from work (DAW) and days of restricted work activity (DRA), or statutory days charged as prescribed from a table of standard charges (see p. 7), e.g., 6,000 days for a fatality or permanent total disability.

Severity Measure.--Severity measure is the number of lost workdays per 200,000 employee-hours, rounded to whole numbers. The highest rate given is 99,999. If the computed rate is greater than 99,999, then 99,999 is printed. If no data were reported, then a

hyphen is printed. If the computation results in a zero after rounding, then an asterisk inside parentheses (*) is printed. The following is the standard severity measure formula:

$$SM = \frac{\text{Number of lost workdays} \times 200,000}{\text{Number of employee-hours}}$$

Average Severity.--Average severity is the average number of lost workdays per injury and is computed only for injuries classified as FATAL or NFDL. Lost workdays are selected on the same basis as that for computing the severity measure. The following is the standard average severity formula:

$$AS = \frac{\text{Number of lost workdays}}{\text{Number of injuries contributing the lost workdays}}$$

Type of Mineral.--The type of mineral is determined from the Standard Industrial Classification (S.I.C.) code assigned to an operation based on information provided by the mine operator. Data for all work locations in the operation are credited to the assigned S.I.C.

Classification of Accident.--Accident classification identifies circumstances which contributed most directly to the resulting accident. The 21 classifications in the following list are designed to categorize all accidents, whether injury-producing or not.

Electrical.--Accidents in which the electric current is most directly responsible for the resulting accident.

Entrapment.--Accidents involving entrapment of persons.

Exploding Vessels Under Pressure.--Accidents involved with bursting of air hoses, air tanks, hydraulic lines, hydraulic hoses, stand pipes, etc., due to internal pressure.

Explosives and Breaking Agents.--Accidents involving the detonation of manufactured explosives; includes Airdox and Cardox.

Falling, Rolling, or Sliding Rock or Material of Any Kind.--Accidents caused directly by falling material other than material from the roof or face. Or, if material was set in motion by machinery, by haulage, by handtools, or while being handled or disturbed, etc., the force that set the material in motion determines the classification. For example, where a rock was pushed over a highwall by a bulldozer and the rock hit another rock which hit and injured a worker--the accident is classified as machinery. Machinery (a bulldozer) most directly caused the resulting accident.

Fall of Face, Rib, Pillar, Side, or Highwall (from in place).--Accidents in this classification include falls of material while barring down or placing props, also pressure bumps and bursts. Not included are accidents in which the motion of machinery or haulage equipment caused the fall either directly or by knocking out support.

Fall of Roof, Back, or Brow (from in place).--Underground only - Accidents which include falls while barring down or placing props, also pressure bumps and bursts. Not included are accidents in which the motion of machinery or haulage equipment caused the fall either directly or by knocking out support.

Fire.--Accidents related to uncontrolled burning of material or mineral in the mine environment. Not included are fires initiated by electricity or by ignition or explosion of gas or dust.

Handling Material.--Accidents related to handling packaged or loose material while lifting, pulling, pushing, or shoveling.

Handtools.--Accidents related to nonpowered tools.

Nonpowered Haulage.--Accidents related to the motion of nonpowered haulage equipment. Included are accidents involving wheelbarrows, manually pushed mine cars, timber trucks, etc.

Powered Haulage.--Accidents related to the motion of powered haulage equipment. Included are accidents involving conveyors, front-end loaders, forklifts, shuttle cars, load-haul-dump units, locomotives, railroad cars, haulage trucks, pickups, automobiles, and personnel carriers.

Hoisting.--Accidents involving cages, skips, ore buckets, and elevators. The accident results from the action, motion, or failure of the hoisting equipment or mechanism. Included are equipment such as cranes and derricks only when used in shaft sinking; also suspended work platforms in shafts. Not included is equipment such as chain hoists, come-alongs, and winches.

Ignition or Explosion of Gas or Dust.--Accidents resulting as a consequence of the ignition or explosion of gas or dust.

Impoundment.--Accidents caused by an unstable condition or failure of an impoundment, refuse pile, or culm bank requiring emergency preventative action or evacuation of an area.

Inundation.--Accidents caused by inundation of a surface or underground mine by a liquid (or semi-solid) or a gas.

Machinery.--Accidents related to the motion of machinery. Included are all electric and air-powered tools and mining machinery such as drills, tuggers, winches, slushers, draglines, power shovels, loaders, and compressors.

Slip or Fall of Person (from an elevation or on the same level).--Accidents include slips or falls while getting on or off machinery and haulage equipment which is not moving, and slips or falls while servicing or repairing equipment or machinery.

Stepping or Kneeling on Object. Accidents are classified in this category only where the object stepped or kneeled on contributed most directly to the accident.

Striking or Bumping.--This classification is restricted to those accidents in which an individual, while moving about, strikes or bumps an object but is not handling material, using handtools, or operating equipment.

Other.--Accidents not elsewhere classified.

Abbreviations.--Space limitations in column headings and stub entries of standard-format tabulations require occasional adaptation of terminology. In this report PLNTS should be interpreted as "plants."

Statutory Days Charged.--Some injuries or illnesses are of such a degree of severity that a standard time charge of lost workdays has been adopted by MSHA as follows:

<u>Disability</u>	<u>Lost Workdays Charged</u> <u>1/</u>
Death	6,000
Permanent total disability	6,000
Dismemberment or total loss of use	
Arm above elbow	4,500
Arm at or below elbow and above wrist . .	3,600
Hand at wrist	3,000
Leg above knee	4,500
Leg at or below knee and above ankle . .	3,000
Foot at ankle	2,400
Loss of sight:	
One eye (whether or not there is sight in the other eye)	1,800
Both eyes (in one accident)	6,000
Complete industrial loss of hearing:	
One ear (whether or not there is hearing in the other ear)	600
Both ears (in one accident)	3,000
Unrepaired hernia	50

1/ Not more than 6,000 lost workdays will be charged in a single accident that results in multiple injuries to a mine worker. (See definition of permanent total disability on page 4.)

TABLE REFERENCE GUIDE (OPERATOR DATA)

The following reference guide facilitates locating particular data elements contained in the annual statistical tables for operators. A comparable guide precedes the contractor section of this report. The number appearing in each cell indicates the table number in which that particular element may be found. All elements listed under the stub headings appear as vertical headings in the tables. Elements listed under column headings appear as horizontal headings. The only exception to this is table 1, in which the headings have been reversed.

To use this guide, read down or across the elements listed in both the stub and column headings to determine which combinations are of interest. For example, incidence rates by work location appear in seven different tables, numbers 2, 4, 6, 8, 10, 22, and 23. However, only one, table 10, provides a further division by nature of injury as well. The occupation of the injured is found in table 17 and, as seen in the column headings, provides the number of injuries, lost workdays, and average severity.

REFERENCE GUIDE TO METALLIC STATISTICAL TABLES (OPERATOR DATA)

STUB HEADINGS	COLUMN HEADINGS												
	Number of injuries	Incidence rates	Severity measures	Lost workdays	Average severity	Average number of workers	Employee-hours worked	Number of operations	Associated work locations	Average hours per employee per year	Accident classification	Number of occupational illnesses	Coal production (short tons)
Prior year data with and without office ^{1/}	1	1	1		1	1	1	1	1	1			
Work location	2	2	2			2	2	2	2				
	3			3	3								
	4	4	4			4	4	4	4				
	5			5	5								
	6	6	6			6	6	6	6				
	7			7	7								
	8	8	8										
	9			9	9								
	10	10	10										
	11			11	11								
	13										13		
				14							14		
	15										15		
				16							16		
	17			17	17								
	18			18	18								
												21	
	22	22				22	22						
	23	23				23	23						23
Employment size group	4	4	4			4	4	4	4				
	5			5	5								
Kind of mineral	6	6	6			6	6	6	6				
	7			7	7								
	15										15		
				16							16		
State												21	
	6	6	6			6	6	6	6				
	7			7	7								
	13										13		
				14							14		
Part of body injured												21	
	8	8	8										
	9			9	9								
	12			12	12								
Nature of injury	19			19	19								
	10	10	10										
	11			11	11								
	12			12	12								
Occupation at time of injury	20			20	20								
	17			17	17								
	18			18	18								
Accident classification	19			19	19								
	20			20	20								
Mineral industry	22	22				22	22						
Type of coal	23	23				23	23						23

^{1/} For table 1 only, the headings have been reversed to simplify this guide; that is, the data elements indicated in the column headings for this table actually appear as vertical headings.

Note:

Numbers shown on diagrams are statutory charges of lost workdays for loss of all or part of bone.

Proportional charges may be computed based on medical determination of percentage loss of use.

FIGURE I. Scheduled charges in lost workdays for loss or loss of use involving hand or foot.

Quarterly Mine Employment
and Coal Production Report

U.S. Department of Labor
Mine Safety and Health Administration

Do Not Write in This Space

O.M.B. Number 1219-0008; Approval Expires July 31, 1988.

This report is required by law (30 U.S.C. § 813; 30 C.F.R. Part 30). Failure to report can result in the institution of a civil action for relief under 30 U.S.C. § 818 respecting an operator of a coal mine, or a civil penalty against an operator of a coal or other mine under 30 U.S.C. § 820(a). An individual who, being subject to the Federal Mine Safety and Health Act of 1977 (30 U.S.C. § 801 et seq.) knowingly makes a false statement in any report can be punished by a fine of not more than \$10,000 or by imprisonment for not more than 5 years, or both, under 30 U.S.C. § 820(f). Any individual who knowingly and willfully makes any false, fictitious, or fraudulent statement, conceals a material fact, or makes a false, fictitious, or fraudulent entry, with respect to any matter within the jurisdiction of any agency of the United States can be punished by a fine of not more than \$10,000, or imprisoned for not more than 5 years, or both, under 18 U.S.C. § 1003.

This form must be completed and mailed within 15 days after the end of each calendar quarter.

Important:

1. Fill out this form as completely as possible and return the first sheet of this report to:
2. If it is necessary to make any address changes, indicate corrected information on this form.
3. When preaddressed, this form is only for the operation with I.D. number as shown.
4. Do not use for any other operation.
5. *Sand and Gravel* operators report employment data under code 03 or 06 as appropriate, except for data on office workers which should be reported under code 99.
6. All mine operators and independent contractors reporting as required by 30 C.F.R., Part 50, should show persons working and employee-hours worked, those producing coal show also production data.
6. Independent Contractors should complete quarterly only one form for activities at all coal locations, and one form for activities at all metal and nonmetal locations.

MSHA, Health and Safety Analysis Center
P.O. Box 25367
Denver, Colorado 80225

Date Report Completed

Mo. Day Yr.
For Quarter

Mail Before

Check here if this report is
being submitted by a contractor ☐
If Any Information Below Is Incorrect Please
Enter Correct Information Here:

County

Operation Name

Operating Company Name and Mailing Address

MSHA ID Number Contractor ID

Country:

Operation Name

Operating Company Name and Address

1. Persons Working, Employee-Hours, and Coal Production	Code	(2) Average number of persons working during quarter	(3) Total employee-hours worked during the quarter	(4) Production of clean coal during quarter, (short tons)
Underground Mine	01			
Surface Shops, Yards, Etc.	02			
Strip, Open Pit, or Quarry	03			
Auger (Coal Mine Only)	04			
Culm Bank or Refuse Pile (Coal Mine Only)	06			
Dredge	08			
Other Surface Mining (Metal/Nonmetal Only)	12			
Independent Shops or Yards	17			
Mill Operations, Preparation Plant, or Breaker (include associated shops and yards)	30			
Office (professional and clerical workers at the mine or plant)	99			
2. Other Reportable Data				
How many MSHA reportable injuries or illnesses did you have this quarter?				
Name		Title		Phone (incl. Area Code)
Person to be contacted regarding this report				

MSHA Form 7000 2, May 85 (Revised)

Return To MSHA

FIGURE 2. Quarterly mine employment and coal production report form.

Mine Accident, Injury and Illness Report
U.S. Department of Labor
Mine Safety and Health Administration

Form Approved, OMB No. 1218-0007, Expires June 30, 1988

● Section A—Identification Data

MSHA ID Number _____ Contractor ID _____ Report Category ☐ Metal/Nonmetal Mining ☐ Coal Mining ☐ Check here if report pertains to contractor.

Mine Name _____ Company Name _____

● Section B—Complete for Each Reportable Accident Immediately Reported to MSHA

1. Accident Code (circle applicable code—see instructions) 01—Death 02—Serious Injury 03—Entrapment
04—Inundation 05—Gas or Dust Ignition 06—Mine Fire 07—Explosives 08—Roof Fall
09—Outburst 10—Impounding Dam 11—Hoisting 12—Offsite Injury

2. Name of Investigator _____ 3. Date Investigation Started _____ 4. Steps Taken to Prevent Recurrence of Accident _____

● Section C—Complete for Each Reportable Accident, Injury or Illness

5. Circle the Codes Which Best Describe Where Accident/Injury/Illness Occurred (see instructions)

(a) Surface Location: 02 Surface at Underground Mine 30 Mill, Preparation Plant, etc. 03 Strip/Open Pit Mine 04 Surface Auger Operation
05 Cullm Bank/Refuse Pile 06 Dredge Mining 12 Other Surface Mining 17 Independent Shops (with own MSHA ID) 99 Office Facilities

(b) Underground Location: 01 Vertical Shaft 02 Slope/Inclined Shaft 03 Face 04 Intersection 05 Underground Shop/Office 06 Other

(c) Underground Mining Method: 01 Longwall 02 Shortwall 03 Conventional Stopping 05 Continuous Mining 06 Hand 07 Carving 08 Other

6. Date of Accident _____ 7. Time of Accident ☐ am ☐ pm 8. Time Shift Started ☐ am ☐ pm

9. Describe Fully the Conditions Contributing to the Accident/Injury/Illness, and Quantify the Damage or Impairment _____

10. Equipment Involved _____ Type _____ Manufacturer _____ Model Number _____

11. Name of Witness to Accident/Injury/Illness _____ 12. Number of Reportable Injuries or Illnesses Resulting from This Occurrence _____

13. Name of Injured/Ill Employee _____ 14. Sex ☐ Male ☐ Female 15. Date of Birth _____

16. Last Four Digits of Social Security Number _____ 17. Regular Job Title _____ 18. Check if this Injury/Illness resulted in death. ☐ 19. Check if Injury/Illness resulted in permanent disability (Include amputation loss of use, & permanent total disability). ☐

20. What Directly Inflicted Injury or Illness? _____ 21. Nature of Injury or Illness _____

22. Part of Body Injured or Affected _____ 23. Occupational Illness (circle applicable code—see instructions) 21 Occupational Skin Diseases
22 Dust Diseases of the Lungs 23 Respiratory Conditions (toxic agents) 24 Poisoning (toxic materials)
25 Disorders (physical agents) 26 Disorders (repeated trauma) 29 Other

24. Employee's Work Activity When Injury or Illness Occurred

Experience	Years	Weeks
25. Experience in This Job Title		
26. Experience at This Mine		
27. Total Mining Experience		

● Section D—Return to Duty Information [Answer 30 & 31 when case is closed]

☐ 28. Permanently Transferred or Terminated (if checked, complete items 29, 30, & 31) 29. Date Returned to Regular Job at 30. Number of Days Full Capacity for item 23) 31. Number of Days Restricted Work Activity (if none, enter 0)

Person Completing Form (Name) _____ Title _____

Date This Report Prepared (Month, Day, Year) _____ Area Code and Phone Number _____

MSHA Form 7000-1, Feb 80 (revised)

For Official Use Only

Degree _____

Accident Type _____

Accident Class _____

Scheduled Charge _____

Keyword _____

MAIL THIS PAGE TO THE HEALTH AND SAFETY ANALYSIS CENTER, MINE SAFETY AND HEALTH ADMINISTRATION, P.O. BOX 25367, DENVER, COLORADO 80225

FIGURE 3. Mine accident, injury, and illness report form.

TABLE 1. - GENERAL STATISTICS ON INJURY EXPERIENCE AND WORKTIME, AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

	EXCLUDING OFFICEWORKERS					INCLUDING OFFICEWORKERS				
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991
NUMBER OF INJURIES										
FATAL	14	9	11	15	13	14	9	11	15	13
NFDL	1,703	2,235	2,329	2,130	2,022	1,710	2,243	2,340	2,137	2,030
TOTAL LWD INJURIES	1,717	2,248	2,340	2,145	2,035	1,724	2,252	2,351	2,152	2,043
NDI	1,321	1,728	2,036	1,472	1,385	1,326	1,740	2,046	1,486	1,399
TOTAL INJURIES	3,038	3,976	4,376	3,617	3,420	3,050	3,992	4,397	3,638	3,442
INCIDENCE RATES										
FATAL	.04	.02	.02	.03	.03	.03	.02	.02	.03	.02
NFDL	4.76	5.37	5.01	4.40	4.29	4.25	4.79	4.47	3.93	3.82
ALL LWD INJURIES	4.80	5.39	5.04	4.43	4.32	4.29	4.81	4.49	3.96	3.84
NDI	3.69	4.14	4.38	3.04	2.94	3.30	3.71	3.91	2.73	2.63
ALL INJURIES	8.49	9.53	9.42	7.47	7.25	7.58	8.52	8.40	6.69	6.47
SEVERITY MEASURES										
FATAL	235	129	142	186	165	209	115	126	166	147
NFDL	170	196	218	205	183	152	174	194	183	163
ALL LWD INJURIES	404	325	360	391	349	361	290	320	349	309
AVERAGE SEVERITY										
PERMANENT PARTIAL	246	182	482	513	235	246	182	482	513	235
TEMPORARY NFDL	30	32	28	33	34	30	32	27	33	34
ALL LWD INJURIES	84	60	72	88	81	84	60	71	88	81
AVERAGE NUMBER OF EMPLOYEES	37,598	42,210	47,152	47,977	46,617	42,378	47,661	53,275	54,005	52,870
EMPLOYEE HOURS WORKED	71,608,552	83,454,685	92,921,424	96,811,926	94,280,666	80,432,206	93,710,249	104,633,464	108,724,314	106,387,609
AVERAGE HOURS PER EMPLOYEE PER YEAR	1,905	1,977	1,97	2,018	2,022	1,898	1,966	1,964	2,013	2,012
OPERATIONS REPORTED										
NUMBER OF OPERATIONS	701	715	693	627	520	722	746	708	640	533
ASSOCIATED WORK LOCATIONS	324	313	349	339	281	727	742	785	760	657

TABLE 2 INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NFI	ALL INJURIES	FATAL	NFDL					ALL FATAL AND NFDL
		PERMANENT		TEMPORARY	TOTAL NFDL															
		TOTAL	PARTIAL																	
UNDERGROUND MINES																				
UNDERGROUND	8		21	443	464	851	379	472	7 04	7 16	5 75	12 91	728	356	1 084	6 642	13 183 883	143		
SURFACE AT UNDERGROUND			1	66	67	129	62	67	3 74	3 74	3 46	7 20		121	121	2 011	3 590 859	21		
TOTAL OR AVERAGE	8		22	509	531	980	441	539	6 33	6 43	5 26	11 69	573	306	878	8 653	16 764 742	164		
SURFACE MINES																				
OPEN PIT	5	1	18	636	655	996	336	660	3 74	3 77	1 92	5 68	171	165	336	16 883	34 990 660	220		
DREDGE				8	8	14	6	8	1 90	1 90	1 42	3 32		33	33	432	843 877	6		
OTHER SURFACE																				
TOTAL OR AVERAGE	5	1	18	644	663	1 010	342	668	3 70	3 73	1 91	5 64	167	162	329	17 315	35 834 537	226		
INDEPENDENT SHOPS																				
PROCESSING PLANTS	13	1	40	1 153	1 194	1 990	783	1 207	4 54	4 59	2 98	7 57	297	208	504	25 968	52 589 279	390		
TOTAL OR AVERAGE			2	20	22	34	12	22	5 81	5 81	3 17	8 99		153	153	382	756 745	5		
INDEPENDENT SHOPS			19	787	806	1 396	590	806	3 94	3 94	2 88	6 82		153	153	20 267	40 924 642	125		
PROCESSING PLANTS																				
TOTAL OR AVERAGE	13	1	61	1 960	2 022	3 420	1 385	2 035	4 29	4 32	2 94	7 25	165	183	349	46 617	94 280 666	520		
MINES AND PLANTS				8	8	22	14	8	13	13	23	36		1	1	6 253	12 106 943	13		
OFFICE																				
GRAND TOTAL OR AVERAGE	13	1	61	1 968	2 030	3 442	1 399	2 043	3 82	3 84	2 63	6 47	147	163	309	52 870	106 381 609	533		
																		657		

TABLE 3 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION	NUMBER OF INJURIES										LOST HOURS						AVERAGE SEVERITY		
	FATAL	NFIL				TOTAL FATAL AND NFIL	NFIL	TOTAL INJURIES	FATAL	PERMANENT			TEMPORARY	TOTAL NFIL	TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL	
		TOTAL		PARTIAL	TOTAL					PARTIAL									
		TOTAL	PARTIAL																
											TOTAL	PARTIAL							
UNDERGROUND MINES: UNDERGROUND SURFACE AT UNDERGROUND TOTAL OR AVERAGE	8 - - 8	21 1 - 22	443 66 509 531	464 67 531 539	472 67 539 539	379 62 441 441	851 129 980 980	48,000 - 48,000 48,000	- - - -	5,875 50 5,925 5,925	17,582 2,117 19,709 19,709	23,467 2,167 25,634 25,634	71,467 2,167 73,634 73,634	280 50 269 269	40 32 39 39	151 32 137 137			
SURFACE MINES: OPEN PIT DREDGE OTHER SURFACE TOTAL OR AVERAGE	5 - - 5	1 - - 1	636 8 644 644	655 8 653 653	660 8 658 658	336 6 342 342	996 14 1,010 1,010	30,000 - 30,000 30,000	6,000 - 6,000 6,000	3,508 - 3,508 3,508	19,324 138 19,462 19,462	28,832 138 28,970 28,970	58,832 138 59,970 59,970	58,832 138 59,970 59,970	195 - 195 195	30 17 30 30	89 17 88 88		
TOTAL OR AVERAGE MINING: INDEPENDENT SHOPS TOTAL OR AVERAGE	13 - -	1 - 2	1,153 20 787	1,194 22 806	1,207 22 806	783 12 590	1,990 34 1,386	78,000 - -	6,000 - -	9,433 100 4,822	39,171 478 26,439	54,604 578 31,261	132,604 578 31,261	132,604 578 31,261	236 50 254	34 24 34	110 26 39		
TOTAL OR AVERAGE, ALL MINES AND PLANTS: TOTAL OR AVERAGE OFFICE TOTAL OR AVERAGE	13 - -	1 - 8	1,960 8 1,968	2,022 8 2,030	2,035 8 2,043	1,385 14 1,399	3,420 22 3,442	78,000 - 78,000	5,000 - 6,000	14,355 - 14,355	66,088 80 66,168	86,443 80 86,523	164,443 80 164,523	164,443 80 164,523	235 - 235	34 10 34	81 10 81		
GRAND TOTAL OR AVERAGE TOTAL OR AVERAGE	13 -	1 -	1,968 -	2,030 -	2,043 -	1,399 -	3,442 -	78,000 -	6,000 -	14,355 -	66,168 -	86,523 -	164,523 -	164,523 -	235 -	34 -	81 -		

TABLE 4 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF HOURS	EMPLOYEE OF HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION		
	FATAL	NFI					TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI	ALL FATAL AND NFI	ALL INJURIES	FATAL					NFI	ALL FATAL AND NFI
		PERMANENT	PARTIAL	TOTAL	TEMPORARY	TOTAL NFI													
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND)																			
1-4				2	2	2	3	1	2	2.98	1.49	4.47	211	211	151	134,359	60	21	
5-9				9	9	9	14	5	9	8.08	4.49	12.57	325	325	177	222,792	27	19	
10-19				12	12	12	18	6	12	4.88	2.44	7.32	167	167	313	491,908	22	19	
20-34				50	50	50	81	31	50	14.01	14.01	22.70	405	405	416	713,743	18	18	
35-49				12	12	12	30	18	12	5.17	7.75	12.92	350	350	231	464,576	5	5	
50-99				37	37	37	102	63	37	3.89	4.10	6.62	130	130	990	1,902,355	13	13	
100-149		7		48	55	55	97	42	55	6.01	4.59	10.59	303	303	874	1,831,102	7	7	
150-249	6	2		123	125	125	219	94	125	8.86	8.86	15.52	569	569	1,357	2,822,419	7	7	
250 OR MORE		13		216	229	229	416	181	229	5.60	5.74	10.17	255	255	4,084	8,181,488	5	5	
TOTAL OR AVERAGE	8	22		509	531	531	980	441	531	6.33	6.43	11.69	306	306	8,653	16,764,742	164	117	
SURFACE MINES OPEN PIT																			
1-4				6	6	6	7	1	6	6.14	1.02	7.16	54	54	164	195,588	66	66	
5-9				11	11	11	15	3	11	6.95	1.74	8.69	199	199	255	345,301	33	33	
10-19				8	8	8	17	6	8	4.41	2.94	7.34	144	144	291	408,533	22	22	
20-34		1		17	17	17	34	17	17	4.93	4.93	9.87	214	214	357	689,157	13	13	
35-49		2		38	38	38	60	20	38	8.67	4.34	13.01	139	139	530	972,680	23	23	
50-99		2		67	69	69	110	41	67	3.87	2.30	6.17	89	89	1,747	3,566,926	12	12	
100-149	1	1		63	68	68	90	21	63	1.38	1.38	5.93	621	621	1,434	3,037,312	9	9	
150-249		3		43	46	46	80	34	43	2.87	2.87	5.00	108	108	1,652	3,202,041	23	23	
250 OR MORE	3	6		383	389	389	585	193	389	3.44	3.47	5.17	159	159	10,453	22,623,113	220	220	
TOTAL OR AVERAGE	5	18		636	655	655	996	336	655	3.74	3.77	5.69	165	165	16,883	34,990,560	220	220	
DREDGE																			
1-4				1	1	1	1	1	1	3.50	3.50	3.50	7	7	28	57,094	2	2	
5-9				2	2	2	3	1	2	4.45	4.45	6.68	33	33	43	89,835	1	1	
10-19				5	5	5	10	5	5	2.80	2.80	5.60	68	68	164	357,231	2	2	
20-34				17	17	17	34	17	17	1.90	1.90	3.32	33	33	432	843,877	6	6	
35-49				42	42	42	63	21	42	6.14	1.02	7.16	54	54	164	195,588	66	66	
50-99		1		74	74	74	120	46	74	6.95	1.74	8.69	199	199	255	345,301	33	33	
100-149	1	1		68	68	68	90	21	68	4.30	2.58	6.87	177	177	319	465,627	24	24	
150-249		4		46	46	46	80	34	46	4.93	4.93	9.87	214	214	357	689,157	13	13	
250 OR MORE	3	6		383	389	389	585	193	389	8.30	4.15	12.44	129	129	573	1,017,515	14	14	
TOTAL OR AVERAGE	5	18		644	663	663	996	342	663	3.77	3.77	5.62	162	162	17,315	35,834,537	226	226	

TABLE 4 INJURY EXPERIENCE BY DEGREE AND WORKING FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF DEATHS	ASSO- CIATED WORK LOCATIONS						
	FATAL	PERMANENT		TEMPORARY	TOTAL FATAL AND MORTAL	TOTAL NON- FATAL INJURIES	FATAL	MORTAL	ALL FATAL AND MORTAL	MORTAL	ALL INJURY RATES	FATAL	MORTAL											
		TOTAL	PARTIAL											FATAL					MORTAL	ALL FATAL AND MORTAL	MORTAL	ALL INJURY RATES	FATAL	MORTAL
TOTAL OR AVERAGE MINING	1	1	1	8	8	2	10	35	4.85	4.85	1.21	6.06	2.112	118	118	315	329,957	126	21					
1-4	1	1	1	20	20	8	29	4.64	7.39	2.82	10.21	2.112	248	2,367	432	568,093	66	22						
5-9	1	1	1	21	22	12	115	4.50	4.60	2.51	7.10	148	311	148	632	967,535	46	19						
10-19	1	1	1	57	57	12	115	4.50	4.60	2.51	7.10	148	311	148	632	967,535	46	19						
20-29	1	1	1	54	54	10	109	4.50	4.60	2.51	7.10	148	311	148	632	967,535	46	19						
30-49	1	1	1	54	54	10	109	4.50	4.60	2.51	7.10	148	311	148	632	967,535	46	19						
50-99	1	1	1	109	111	113	109	4.50	4.60	2.51	7.10	148	311	148	632	967,535	46	19						
100-149	1	1	1	111	123	63	187	4.04	3.88	3.74	7.62	412	501	718	2,901	4,826,511	38	19						
150-249	1	1	1	166	171	128	299	5.05	5.37	4.02	9.40	246	307	307	2,308	4,868,414	17	7						
250 OR MORE	9	5	19	599	618	374	1,001	06	4.01	4.07	2.43	6.50	351	599	14,537	30,804,601	28	5						
TOTAL OR AVERAGE	13	1	40	1,153	1,194	783	1,990	05	4.54	4.59	2.98	7.57	297	208	504	25,968	52,599,279	390	117					
INDEPENDENT SHOPS																								
1-4																								
5-9																								
10-19																								
20-29																								
30-49																								
50-99																								
100-149																								
150-249																								
250 OR MORE																								
TOTAL OR AVERAGE																								
PROCESSING PLANTS																								
1-4																								
5-9																								
10-19																								
20-29																								
30-49																								
50-99																								
100-149																								
150-249																								
250 OR MORE																								
TOTAL OR AVERAGE																								

TABLE 4 INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NONFATAL					FATAL	NONFATAL	ALL FATAL AND NONFATAL	FATAL	NONFATAL	ALL FATAL AND NONFATAL						
		TOTAL	PARTIAL	TEMPORARY	TOTAL NONFATAL	TOTAL FATAL AND NONFATAL							TOTAL NONFATAL					TOTAL INJURIES
							TOTAL	PARTIAL	FATAL	NONFATAL	ALL FATAL AND NONFATAL	FATAL		NONFATAL	ALL FATAL AND NONFATAL			
TOTAL OR AVERAGE ALL MINES AND PLANTS																		
1-4	1		10	10	10	3	13	4.50	1.35	5.85		31	1.216	31	415	444,241	152	40
5-9			29	29	30	19	49	6.08	3.85	9.93		181		181	704	987,122	89	42
10-19			50	51	54	24	75	4.83	2.77	7.11		163		163	2,024	3,527,671	10	41
20-34			91	94	98	84	178	5.33	2.76	10.90		206		206	1,855	3,679,712	52	44
35-49			98	100	100	60	160	5.44	3.26	8.70		206		206	1,855	3,679,712	27	22
50-99			210	214	216	181	397	4.19	3.54	7.76		131	235	131	5,262	10,226,010	47	41
100-149			138	152	153	100	253	4.22	2.28	5.78		182	137	182	4,018	8,759,513	26	21
150-249			227	234	234	213	447	3.47	3.49	7.13		173	208	173	6,360	12,530,619	23	17
250 OR MORE			1,107	1,138	1,147	701	1,848	4.38	2.70	7.11		168	202	168	24,691	52,075,330	40	13
TOTAL OR AVERAGE	13	1	1,960	2,022	2,025	1,385	3,420	4.29	2.94	7.25	185	183	349	46,617	94,280,666	520	281	
OFFICE																		
1-4			1	1	1	1	2	42	42	83		13		13	253	480,493	10	1/1
5-9			1	1	1	3	4	25	38	98		2		2	453	816,061	1	65
10-19			2	2	2	5	7	21	51	72		1		1	826	1,572,206	1	57
20-34			2	2	2	5	7	21	51	72		1		1	960	1,945,056	1	37
35-49			1	1	1	1	1	08	08	08		2		2	844	1,628,487	1	20
50-99			3	3	3	2	5	43	28	71		2		2	1,246	2,397,456	1	18
100-149			8	8	8	14	22	13	23	36		2		2	495	916,118	13	14
150-249															549	1,407,626		2
250 OR MORE															6,253	12,106,943		376
TOTAL OR AVERAGE																		
GRAND TOTAL OR AVERAGE			11	11	11	4	15	2.38	87	3.24		54		54	768	924,734	162	211
1-4	1		30	30	31	22	53	3.44	2.44	5.88		105		105	1,157	1,803,203	90	107
5-9			50	51	51	27	78	2.77	1.47	4.24		119		119	2,114	3,692,654	71	98
10-19			93	96	96	89	185	3.51	2.26	6.76		143		143	2,984	5,477,727	52	81
20-34			98	100	100	60	160	3.77	2.26	6.03		143		143	2,699	5,308,209	27	42
35-49			211	215	217	181	398	3.41	2.87	5.31		107	196	107	5,508	12,623,466	48	56
50-99			138	152	153	100	253	3.14	2.07	5.23		178	124	178	4,513	9,675,531	20	25
100-149			227	234	234	213	447	3.47	3.16	6.63		169	202	169	6,787	13,474,029	23	19
150-249			1,110	1,141	1,150	703	1,853	4.27	2.63	6.94		168	202	168	25,340	53,422,956	40	15
250 OR MORE																		
TOTAL OR AVERAGE	13	1	1,968	2,030	2,043	1,399	3,442	3.82	2.63	6.47	147	163	309	52,870	106,387,609	533	657	

TABLE 5 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOI	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL
		PERMANENT	TEMPORARY	TOTAL NFIDL					TOTAL	PARTIAL					
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND)															
1-4	-	2	2	2	1	3	-	-	142	-	142	-	71	142	71
5-9	-	9	9	9	5	14	-	-	362	-	362	-	40	362	40
10-19	-	12	12	12	6	18	-	-	411	-	411	-	34	411	34
20-34	-	50	50	50	31	81	-	-	1,447	-	1,447	-	29	1,447	29
35-49	-	12	12	12	18	30	-	-	813	-	813	-	68	813	68
50-99	-	37	37	37	63	102	-	-	1,238	-	1,238	-	33	1,238	33
100-149	2	48	55	55	42	97	12,000	-	2,771	350	2,771	50	50	2,771	50
150-249	-	2	125	125	94	219	36,000	-	8,025	3,450	8,025	1,725	37	8,025	37
250 OR MORE	6	216	229	235	181	416	48,000	-	10,425	2,125	10,425	163	38	10,425	38
TOTAL OR AVERAGE	8	509	531	539	441	980	84,000	-	25,634	5,925	25,634	269	39	25,634	39
SURFACE MINES OPEN PIT															
1-4	-	6	6	6	1	7	6,000	-	53	-	53	-	9	53	9
5-9	-	11	11	11	3	15	-	-	343	-	343	-	31	343	31
10-19	-	8	9	9	6	15	-	-	294	100	294	100	24	294	24
20-34	-	17	17	17	17	34	-	-	738	-	738	-	43	738	43
35-49	-	38	40	40	20	60	-	-	540	-	540	-	16	540	16
50-99	-	67	69	69	41	110	-	-	1,444	-	1,444	-	22	1,444	22
100-149	1	4	68	68	21	90	6,000	-	1,594	150	1,594	75	24	1,594	24
150-249	3	43	46	46	34	80	18,000	-	9,428	1,918	9,428	480	32	9,428	32
250 OR MORE	3	383	389	392	193	585	30,000	-	14,009	900	14,009	150	34	14,009	34
TOTAL OR AVERAGE	5	636	655	660	336	986	54,000	-	28,832	3,508	28,832	195	30	28,832	30
DEGREE															
10-19	-	1	1	1	-	1	-	-	2	-	2	-	2	2	2
35-49	-	2	2	2	1	3	-	-	15	-	15	-	8	15	8
50-99	-	5	5	5	5	10	-	-	121	-	121	-	24	121	24
150-249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	8	8	8	6	14	-	-	138	-	138	-	17	138	17
TOTAL OR AVERAGE SURFACE															
1-4	-	6	6	6	1	7	6,000	-	53	-	53	-	9	53	9
5-9	-	11	11	11	3	15	-	-	343	-	343	-	31	343	31
10-19	-	9	10	10	6	16	-	-	296	100	296	100	22	296	22
20-34	-	17	17	17	17	34	-	-	738	-	738	-	43	738	43
35-49	-	40	42	42	21	63	-	-	655	-	655	-	16	655	16
50-99	-	72	74	74	46	120	-	-	1,715	-	1,715	-	23	1,715	23
100-149	1	63	68	69	21	90	6,000	-	9,428	1,918	9,428	480	24	9,428	24
150-249	3	43	46	46	34	80	18,000	-	14,009	900	14,009	150	32	14,009	32
250 OR MORE	5	644	663	668	342	1,010	30,000	-	28,970	3,508	28,970	195	30	28,970	30
TOTAL OR AVERAGE	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TABLE 5 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	PERMANENT		TOTAL FATAL AND NFIDL	TEMPORARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL									
									TOTAL	PARTIAL			
TOTAL OR AVERAGE MINING													
1 - 4	1		8	8	10	2	8	5,000			195	24	24
5 - 9			20	20	29	8	28				705	35	319
10 - 19		1	21	22	34	12	34				707	29	32
20 - 34			67	67	115	48	115				2,185	33	33
35 - 49		2	52	54	93	38	93				1,468	26	26
50 - 99	2		109	111	222	109	222	12,000			2,953	75	132
100 - 149	1	1	111	123	187	63	187	6,000	6,000		12,199	206	147
150 - 249			155	171	299	128	299	54,000			9,158	36	57
250 OR MORE	9		559	618	1,001	374	1,001	78,000			78,434	36	125
TOTAL OR AVERAGE	13	1	1,153	1,194	1,990	783	1,990		6,000	9,433	132,604	34	110
INDEPENDENT SHOPS													
5 - 9			8	8	8	8	8				260	32	32
10 - 19			12	14	26	12	26				318	18	23
50 - 99		2	20	22	34	12	34				578	24	26
250 OR MORE		2	20	22	34	12	34				578	24	26
TOTAL OR AVERAGE		2	20	22	34	12	34				578	24	26
PROCESSING PLANTS													
1 - 4			2	2	3	1	3				21	10	10
5 - 9			9	9	20	11	20				235	26	26
10 - 19			29	29	41	12	41				1,008	35	35
20 - 34		3	27	27	63	36	63				1,073	15	40
35 - 49			46	46	67	21	67				2,320	50	50
50 - 99		2	93	95	167	72	167				3,498	32	37
100 - 149		2	37	39	148	37	148				1,262	24	44
150 - 249		2	61	63	821	85	821				1,625	34	26
250 OR MORE		10	496	506	821	315	821				20,218	35	40
TOTAL OR AVERAGE		19	787	806	1,396	590	1,396			4,822	31,261	34	39

TABLE 5 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI	
		PERMANENT		TEMPORARY				PERMANENT		TEMPORARY					TOTAL NFDI
		TOTAL	PARTIAL					TOTAL	PARTIAL						
TOTAL OR AVERAGE ALL MINES AND PLANTS															
1-4	1			10	10	13	6,000			216	216	100	22	22	231
5-9				29	29	49			941	6,941	32	32	32	32	34
10-19				51	51	75			1,715	1,715	34	34	34	34	35
20-34				94	94	178			3,258	3,258	237	237	237	237	38
35-49				91	91	160			3,788	3,788	50	50	50	50	38
50-99				98	98	160			3,688	3,688	50	50	50	50	38
100-149				210	214	397	12,000		6,711	18,711	165	165	165	165	87
150-249				138	152	253	6,000		4,843	19,461	201	201	201	201	127
250 OR MORE				227	234	447	54,000		7,443	11,383	563	563	563	563	49
TOTAL OR AVERAGE	13	1	61	1,107	1,147	1,848	78,000	6,000	14,355	66,088	164,443	235	34	81	
OFFICE															
1-4				1	1	2				32	32		32	32	7
5-9				1	1	4				7	7		7	7	4
10-19				1	1	3				8	8		4	4	4
20-34				2	2	7				18	18		18	18	18
35-49				1	1	1				15	15		5	5	5
50-99				3	3	5				80	80		10	10	10
100-149				8	8	22				248	248		23	23	23
150-249				11	11	15	6,000			948	6,948	100	23	23	224
250 OR MORE				30	31	53				1,715	1,715	237	32	32	34
TOTAL OR AVERAGE	1	1	3	56	56	85				3,266	3,266	50	27	27	38
GRAND TOTAL OR AVERAGE															
1-4				11	11	15				248	248		23	23	23
5-9				30	31	53				948	6,948	100	23	23	224
10-19				51	51	75				1,715	1,715	237	32	32	34
20-34				96	96	185				3,266	3,266	50	27	27	38
35-49				98	98	160				3,688	3,688	50	27	27	38
50-99				211	217	398	12,000			6,069	18,729	165	29	29	86
100-149				138	153	253	6,000			4,843	19,461	201	35	35	127
150-249				227	234	447	54,000			7,443	11,383	563	33	33	49
250 OR MORE				1,110	1,150	1,853				36,760	96,965	201	35	35	85
TOTAL OR AVERAGE	13	1	61	1,968	2,043	3,442	78,000	6,000	14,355	66,168	164,523	235	34	34	81

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION								
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL												
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL													NFDL	TOTAL INJURIES						
																				TOTAL	PARTIAL	TOTAL NFDL	TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES
ALUMINUM ORE SURFACE MINES OPEN PIT: ARKANSAS															28	34,239	3	-							
TOTAL OR AVERAGE															28	34,239	3	-							
TOTAL OR AVERAGE, SURFACE ARKANSAS															28	34,239	3	-							
TOTAL OR AVERAGE															28	34,239	3	-							
TOTAL OR AVERAGE, MINING ARKANSAS															28	34,239	3	-							
TOTAL OR AVERAGE															28	34,239	3	-							
PROCESSING PLANTS: ARKANSAS		1	46	47	47	94	47	47	7.72	7.72	15.43	163	163	649	1,218,134	6	-								
GEORGIA		1	16	17	17	40	17	17	2.16	2.92	5.08	94	94	20	41,811	1	-								
LOUISIANA		3	77	80	80	153	80	80	5.11	4.66	9.78	386	386	694	1,574,938	3	-								
TEXAS		1	4	4	4	4	4	4	1.07	1.07	1.07	72	72	1,402	3,130,222	2	-								
VIRGIN ISLANDS									4.41	4.41	8.67	240	240	332	747,797	1	-								
TOTAL OR AVERAGE		5	143	148	148	291	148	143	7.51	7.51	15.01	159	159	3,097	6,712,902	13	-								
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																									
ARKANSAS		1	46	47	47	94	47	47	7.51	7.51	15.01	159	159	677	1,252,373	9	-								
GEORGIA		1	16	17	17	40	17	17	2.16	2.92	5.08	94	94	20	41,811	1	-								
LOUISIANA		3	77	80	80	153	80	80	5.11	4.66	9.78	386	386	694	1,574,938	3	-								
TEXAS		1	4	4	4	4	4	4	1.07	1.07	1.07	72	72	1,402	3,130,222	2	-								
VIRGIN ISLANDS									4.39	4.39	8.63	239	239	332	747,797	1	-								
TOTAL OR AVERAGE		5	143	148	148	291	148	143	7.51	7.51	15.01	159	159	3,125	6,747,141	16	-								
OFFICE: ARKANSAS														276	558,836	8	-								
GEORGIA														3	4,526	1	-								
LOUISIANA														197	404,481	3	-								
TEXAS														494	940,552	2	-								
VIRGIN ISLANDS														18	38,807	1	-								
TOTAL OR AVERAGE														988	1,947,202	15	-								

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL					NFDL	ALL FATAL AND NFDL	
		PERMANENT	PARTIAL	TOTAL	TEMPO- RARY															TOTAL NFDL

ALUMINUM ORE-CONTINUED																					
GRAND TOTAL OR AVERAGE	-	-	-	1	46	47	47	47	47	47	94	5 19	5 19	5 19	10 38	110	110	953	1,811,209	9	8
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	46,337	1	1
GEORGIA	-	-	-	-	16	17	17	17	17	23	40	1 72	2 32	2 32	4 04	75	75	891	1,979,419	3	3
LOUISIANA	-	-	-	1	77	80	80	80	80	73	153	3 93	3 93	3 59	7 52	297	297	1,896	4,070,774	2	2
TEXAS	-	-	-	3	4	4	4	4	4	-	4	1 02	1 02	1 02	1 02	69	69	350	786,604	1	1
VIRGIN ISLANDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	5	143	148	148	148	148	143	291	3 40	3 40	3 29	6 69	185	185	4,113	8,694,343	16	15
BERYL																					
SURFACE MINES																					
OPEN PIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	17,447	1	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	17,447	1	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	17,447	1	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	17,447	1	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, MINING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	17,447	1	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	17,447	1	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS																					
UTAH	-	-	-	-	4	4	4	4	4	4	8	5 62	5 62	5 62	11 25	188	188	65	142,274	-	1
TOTAL OR AVERAGE	-	-	-	-	4	4	4	4	4	4	8	5 62	5 62	5 62	11 25	188	188	65	142,274	-	1
TOTAL OR AVERAGE, ALL	-	-	-	-	4	4	4	4	4	4	8	5 01	5 01	5 01	10 02	168	168	73	159,721	1	1
MINES AND PLANTS	-	-	-	-	4	4	4	4	4	4	8	5 01	5 01	5 01	10 02	168	168	73	159,721	1	1
UTAH	-	-	-	-	4	4	4	4	4	4	8	5 01	5 01	5 01	10 02	168	168	73	159,721	1	1
TOTAL OR AVERAGE	-	-	-	-	4	4	4	4	4	4	8	-	-	-	-	-	-	27	55,446	-	1
OFFICE																		27	55,446	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	55,446	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL				
		PERMANENT		TEMPO- RARY	TOTAL NFDL															
		TOTAL	PARTIAL																	
BERYL-CONTINUED: GRAND TOTAL OR AVERAGE: UTAH-----	-	-	-	4	4	4	4	8	-	3.72	3.72	3.72	7.44	-	125	125	100	215,167	1	2
TOTAL OR AVERAGE----	-	-	-	4	4	4	4	8	-	3.72	3.72	3.72	7.44	-	125	125	100	215,167	1	2
COBALT: UNDERGROUND MINES: SURFACE AT UNDERGROUND IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,664	1	-
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,664	1	-
TOTAL OR AVERAGE, UG. IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,664	1	-
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,664	1	-
TOTAL OR AVERAGE, MINING: IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,664	1	-
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,664	1	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,664	1	-
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,664	1	-
OFFICE: IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,536	-	1
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,536	-	1
GRAND TOTAL OR AVERAGE: IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,200	1	1
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,200	1	1

TABLE 6. INJURY EXPERIENCE BY DEGREE AND WORKING FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFIDL		TEMP- ORARY	TOTAL NFIDL	TOTAL FATAL AND NFIDL	NOI	TOTAL INJURIES	INCIDENCE RATES			SEVERITY MEASURES						
		PERMANENT	PARTIAL						FATAL AND NFIDL	NOI	ALL INJU- RIES	FATAL	NFIDL					
														FATAL				
COPPER																		
UNDERGROUND MINES:																		
ARIZONA	-	-	4	50	54	54	32	86	3.52	3.52	2.08	5.60	214	214	1,602	3,071,827	7	-
MICHIGAN	-	-	4	83	87	87	40	127	13.25	13.25	6.09	19.34	477	477	568	1,313,580	2	-
NEW MEXICO	-	-	-	5	5	5	2	7	32.26	32.26	12.90	45.16	807	807	20	30,998	2	-
OREGON	-	-	-	3	3	3	2	5	99.99	99.99	99.99	99.99	1,579	1,579	8	3,166	1	-
TOTAL OR AVERAGE	-	-	8	141	149	149	76	225	6.74	6.74	3.44	10.18	297	297	2,198	4,419,581	12	-
SURFACE AT UNDERGROUND:																		
ARIZONA	-	-	1	8	9	9	8	17	2.78	2.78	2.47	5.25	157	157	324	647,678	7	-
MICHIGAN	-	-	-	10	10	10	14	24	4.14	4.14	5.80	9.95	125	125	226	482,566	1	-
NEW MEXICO	-	-	-	1	1	1	-	1	5.38	5.38	-	5.38	237	237	18	37,152	2	-
OREGON	-	-	-	1	1	1	-	1	32.70	32.70	32.70	32.70	360	360	16	6,117	1	-
TOTAL OR AVERAGE	-	-	1	20	21	21	22	43	3.58	3.58	3.75	7.33	147	147	584	1,173,513	1	12
IRON																		
TOTAL OR AVERAGE, US																		
ARIZONA	-	-	5	58	63	63	40	103	3.39	3.39	2.15	5.54	204	204	1,926	3,719,565	7	7
MICHIGAN	-	-	4	93	97	97	54	151	10.80	10.80	6.01	16.81	382	382	794	1,796,156	3	2
NEW MEXICO	-	-	-	8	8	8	2	8	17.61	17.61	5.87	23.48	496	496	28	68,150	2	1
OREGON	-	-	-	4	4	4	-	4	86.18	86.18	43.09	99.99	776	776	24	9,283	1	1
TOTAL OR AVERAGE	-	-	9	161	170	170	98	268	6.08	6.08	3.50	9.58	266	266	2,782	5,593,094	13	12
SURFACE MINES																		
OPEN PIT:																		
ARIZONA	-	-	2	85	87	90	72	162	2.23	2.30	1.84	4.15	82	82	3,614	7,815,885	11	-
MICHIGAN	-	-	-	3	3	4	4	8	2.46	3.28	3.28	6.56	44	44	117	243,930	1	-
NEVADA	-	-	-	17	17	17	2	19	20.66	20.66	2.43	23.09	197	197	79	164,558	2	-
NEW MEXICO	-	-	-	11	12	12	16	28	1.22	1.22	1.63	2.85	76	76	899	1,961,764	3	-
UTAH	-	-	1	7	8	8	21	29	1.01	1.01	2.65	3.65	71	71	724	1,587,418	1	-
TOTAL OR AVERAGE	-	-	4	123	127	131	115	246	2.16	2.23	1.95	4.18	80	80	4,433	11,772,755	18	-
TOTAL OR AVERAGE, SURFACE																		
ARIZONA	-	-	2	85	87	90	72	162	2.23	2.30	1.84	4.15	82	82	3,614	7,815,885	11	-
MICHIGAN	-	-	-	3	3	4	4	8	2.46	3.28	3.28	6.56	44	44	117	243,930	1	-
NEVADA	-	-	-	17	17	17	2	19	20.66	20.66	2.43	23.09	197	197	79	164,558	2	-
NEW MEXICO	-	-	-	11	12	12	16	28	1.22	1.22	1.63	2.85	76	76	899	1,961,764	3	-
UTAH	-	-	1	7	8	8	21	29	1.01	1.01	2.65	3.65	71	71	724	1,587,418	1	-
TOTAL OR AVERAGE	-	-	4	123	127	131	115	246	2.16	2.23	1.95	4.18	80	80	4,433	11,772,755	18	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES	SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES								
		PERMANENT	PARTIAL	TEMPO- RARY	TOTAL NFDL										

COPPER CONTINUED	3	-	7	143	150	153	112	265	05	2 60	2 65	312	121	433	5 540	11 534 580	18	7
TOTAL OR AVERAGE MINING	-	-	4	93	97	97	54	151	82	10 80	10 80	4 919	382	382	794	1 796 156	3	2
ARIZONA	1	-	4	3	3	4	4	8	-	2 46	3 28	-	44	4 984	117	243 930	1	-
MICHIGAN	-	-	-	17	17	17	18	19	-	20 66	20 66	-	197	197	79	164 558	2	-
MONTANA	-	-	-	17	18	18	18	36	-	1 77	1 77	-	90	90	937	2 093 914	5	2
NEVADA	-	-	1	4	4	4	2	6	-	86 18	86 18	-	776	776	24	9 283	1	1
NEW MEXICO	-	-	1	7	8	8	21	29	-	1 01	1 01	-	71	71	724	1 587 418	1	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	4	-	13	284	297	301	213	514	05	3 42	3 47	276	140	416	8 215	17 365 849	31	12
PROCESSING PLANTS	-	-	2	41	43	43	88	131	-	1 21	1 21	-	48	48	3 426	7 097 847	11	8
ARIZONA	-	-	-	4	4	4	3	7	-	6 15	6 15	-	343	343	59	130 036	-	2
MICHIGAN	-	-	1	6	7	7	5	12	-	3 34	3 34	-	67	67	212	419 739	-	1
MONTANA	-	-	1	7	8	8	7	15	-	1 52	1 52	-	153	153	485	1 045 651	3	2
NEVADA	-	-	-	2	2	2	2	2	-	70 87	70 87	-	14 210	14 210	13	5 644	-	1
NEW MEXICO	-	-	-	3	3	3	10	13	-	74	74	-	71	71	410	811 253	1	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	4	63	67	67	113	180	-	1 41	1 41	-	75	75	4 605	9 520 169	15	14
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINES AND PLANTS	3	-	9	184	193	196	200	396	03	2 07	2 10	193	93	287	8 966	18 632 437	29	15
ARIZONA	-	-	4	97	101	101	57	158	-	10 49	10 49	-	380	380	853	1 926 191	3	4
MICHIGAN	1	-	1	9	10	11	9	20	30	3 01	3 31	1 808	59	1 867	329	663 669	1	1
MONTANA	-	-	-	17	17	17	2	19	-	20 66	20 66	-	197	197	79	164 558	2	-
NEVADA	-	-	2	24	26	26	25	51	-	1 69	1 69	-	112	112	1 422	3 085 585	8	4
NEW MEXICO	-	-	6	6	6	6	2	8	-	80 39	80 39	-	5 855	5 855	37	14 927	1	2
OREGON	-	-	1	10	11	11	31	42	-	92	92	-	71	71	1 134	2 386 671	2	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	4	-	17	347	364	368	326	694	03	2 71	2 74	179	117	296	12 820	26 886 018	46	26
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	575	1 118 183	-	24
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1 392	1	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	143 122	-	3
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	53 029	-	1
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4 787	-	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	127	250 487	-	7
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	2 225	-	1
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	161 044	-	2
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4 878	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	883	1 739 147	2	39

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL	ALL FATAL AND NFIDL	ALL INJU- RIES	FATAL	NFIDL	ALL FATAL AND NFIDL						
		PERMANENT	TEMPO- RARY	TOTAL NFIDL															
																		TOTAL	PARTIAL
3	9	184	193	136	200	396	03	1 95	1 98	2 03	4 01	88	270	9,541	19,750,620	29	39		
GRAND TOTAL OR AVERAGE																			
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
IDAHO	-	4	97	101	101	57	28	9 76	9 76	5 51	15 27	354	354	918	2,069,313	3	7		
MICHIGAN	-	1	1	10	11	9	20	2 79	3 07	2 51	5 58	54	54	1,729	716,698	1	2		
MONTANA	-	-	17	17	17	2	19	20 08	20 08	2 36	22 44	191	191	355	169,345	2	2		
NEVADA	-	2	24	26	26	25	51	1 56	1 56	1 50	3 65	103	103	82	1,549	3,336,052	8	11	
NEW MEXICO	-	-	6	6	6	2	8	69 36	69 36	23 32	93 28	5,096	5,096	1,549	3,336,052	1	3		
OREGON	-	1	10	11	11	31	42	86	86	2 42	3 28	67	67	2	559,715	2	2		
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4,878	1	1		
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	4	17	347	364	368	694	03	2 54	2 57	2 28	4 85	168	278	13,703	28,625,165	48	65		
COLD UNDERGROUND MINES																			
UNDERGROUND																			
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
COLORADO	-	-	6	6	6	5	11	16 33	16 33	13 61	29 94	825	825	8	14,329	3	3		
IDAHO	-	-	3	3	3	2	4	3 64	3 64	7 28	10 91	217	217	40	73,484	5	5		
MONTANA	-	-	2	2	2	2	4	2 68	2 68	2 68	5 37	47	47	100	164,942	10	10		
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	89	149,014	17	17		
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	9	6,765	4	4		
SOUTH DAKOTA	-	-	5	5	5	7	12	9 93	9 93	13 90	23 83	36	36	81	100,727	7	7		
WASHINGTON	-	-	9	9	9	18	27	9 29	9 29	18 59	27 88	241	241	113	193,666	8	8		
TOTAL OR AVERAGE	6	2	103	105	111	145	256	31 87	31 87	15 53	47 80	1,110	1,110	30	37,656	6	6		
SURFACE AT UNDERGROUND																			
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ARIZONA	-	2	1	1	1	-	2	13 37	13 37	-	13 37	134	134	14	23,356	1	3		
CALIFORNIA	-	-	2	2	2	-	2	6 28	6 28	-	6 28	6	6	21	29,910	2	4		
COLORADO	-	-	2	2	2	1	3	10 04	10 04	5 02	15 05	281	281	30	31,841	2	10		
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	33	39,898	3	9		
MONTANA	-	-	1	1	1	2	3	9 14	9 14	18 29	27 43	27	27	19	21,874	1	2		
NEVADA	-	-	3	3	3	3	6	8 62	8 62	8 62	17 24	279	279	40	69,609	1	6		
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	26	26,334	1	8		
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6,440	1	4		
SOUTH DAKOTA	-	-	4	4	4	5	9	1 60	1 60	2 00	3 60	31	31	336	500,529	1	1		
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	83	589	1	6		
WASHINGTON	-	-	5	5	5	8	13	6 27	6 27	10 03	16 31	381	381	2	159,454	1	6		
TOTAL OR AVERAGE	-	18	18	18	18	19	37	3 96	3 96	4 18	8 13	123	123	569	909,812	11	53		

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENT RATES						SEVERITY MEASURES			AVERAGE OF NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFCL				TOTAL FATAL AND NFCL	NOI	TOTAL INJURIES	FATAL	NFCL	ALL FATAL AND NFCL	NOI	ALL INJURY RATES	FATAL	NFCL					ALL FATAL AND NFCL	
		PERMANENT	TEMPO- RARY		TOTAL NFCL																
			TOTAL	PARTIAL	TOTAL NFCL																
COLD CONTINUED																					
TOTAL OR AVERAGE U.S.																					
ALASKA			8		8	8	5	13									37 685	3	3		
ARIZONA			4		4	4	6	10									103 394	6	4		
CALIFORNIA			4		4	4	3	7									196 783	19	19		
COLORADO			4		4	4	3	7									188 872	13	4		
IDAHO			6		6	6	9	15									7 793	4	8		
MONTANA			12		12	12	6	9									122 601	8	2		
NEVADA			6		6	6	21	33									263 275	6	6		
NEW MEXICO			6		6	6	3	9									62 979	1	1		
OREGON			53	1	54	58	77	135	38	5 11	5 48	7 28	12 76	2 269	2 494	2 494	2 115 262	1	1		
SOUTH DAKOTA	4		28	1	29	31	40	71	60	8 74	9 35	12 06	21 41	3 618	3 930	3 930	563 356	1	6		
UTAH	2		121	2	123	129	164	293	32	6 53	6 85	8 70	15 55	1 910	2 152	2 152	3 769 068	78	53		
TOTAL OR AVERAGE	6	2																			
SURFACE MINES																					
OPEN PIT																					
ALASKA		2	16		18	18	1	19									510 575	21	7		
ARIZONA			3		3	3	2	5									204 149	7	7		
CALIFORNIA		1	32		33	33	22	55									1 482 525	18	8		
COLORADO			9		9	9	8	17									244 794	8	8		
IDAHO			4		4	4	1	5									137 819	11	11		
MONTANA			4		4	4	2	6									541 111	14	14		
NEVADA			152	7	159	200	111	311	02	3 74	3 75	2 08	5 84	1 885	1 885	1 885	10 655 084	53	53		
NEW MEXICO	1																10 206	4	4		
OREGON																	17 015	2	2		
SOUTH CAROLINA			5		5	5	3	8									224 758	3	3		
SOUTH DAKOTA			5		5	5	3	8									308 444	6	6		
UTAH			3		3	3	4	7									345 981	4	4		
TOTAL OR AVERAGE	1	11	274		286	287	158	445	01	3 85	3 86	2 12	5 98	81	215	295	14 872 862	151	151		
DREDGE																					
ALASKA			3		3	3	1	4									146 929	3	3		
CALIFORNIA			2		2	2	3	5									146 457	1	1		
TOTAL OR AVERAGE			5		5	5	4	9									293 386	4	4		

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORK TIME FOR TYPE OF MINERAL, WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFD					FATAL	NFD	ALL FATAL AND NFD	FATAL	NFD	ALL FATAL AND NFD							
		PERMANENT		TEMPORARY									FATAL					NFD	ALL FATAL AND NFD
		TOTAL	PARTIAL	TOTAL	NFD	TOTAL													
COLD-CONTINUED																			
TOTAL OR AVERAGE SURFACE																			
ALASKA		2		19	3	21		21	3	24	6.39	113	140	311	657,304	24			
ARIZONA				34	3	37		37	3	40	4.36	113	113	911	204,149	19			
CALIFORNIA		1		9	9	18		18	18	36	3.07	128	127	908	1,620,320	9			
COLORADO				4	4	8		8	8	16	7.35	114	114	155	244,794	11			
IDaho				4	4	8		8	8	16	5.80	107	107	125	137,819	14			
MONTANA				132	1	133		133	1	134	3.75	185	185	334	641,111	13			
NEVADA														5,000	10,654,384	42			
NEW MEXICO														10	10,206	2			
OREGON														22	11,615	3			
SOUTH CAROLINA														170	224,759	1			
SOUTH DAKOTA														193	358,444	1			
UTAH														157	345,861	4			
TOTAL OR AVERAGE	1	1	11	279	291	292	0	3.84	2.14	5.98	7.9	211	290	7,508	15,166,248	141			
MINING																			
TOTAL OR AVERAGE																			
ALASKA	2			19	3	21		21	3	24	6.39	113	113	333	685,169	21			
ARIZONA				11	35	46		46	36	82	4.55	128	128	1,512	307,543	13			
CALIFORNIA	1			38	13	51		51	40	91	4.27	107	107	1,088	1,826,165	38			
COLORADO				13	13	26		26	26	52	5.02	107	107	277	433,666	21			
IDaho				10	11	21		21	21	42	5.45	102	102	136	145,612	15			
MONTANA				204	6	210		210	210	420	3.88	136	136	434	753,713	25			
NEVADA				6	6	12		12	12	24	3.88	136	136	5,243	10,918,369	43			
NEW MEXICO				6	1	7		7	7	14	3.88	136	136	58	73,185	3			
OREGON				1	16	17		17	16	33	3.33	136	136	110	23,452	3			
SOUTH CAROLINA	4			3	3	6		6	6	12	3.33	136	136	1,268	2,513,706	15			
SOUTH DAKOTA				28	3	31		31	31	62	3.33	136	136	1,059	2,466,570	16			
UTAH														333	663,395	16			
WASHINGTON	2			28	3	31		31	31	62	3.33	136	136	3,530	6,935,316	233			
TOTAL OR AVERAGE	7	1	13	400	414	421	0	3.31	2.44	5.75	4.44	217	267	9,516	18,925,316	43			
PROCESSING PLANTS																			
TOTAL OR AVERAGE																			
ALASKA				4	1	5		5	4	9	3.63	35	35	28	51,177	3			
ARIZONA				1	1	2		2	2	4	1.82	74	74	98	160,163	3			
CALIFORNIA				27	3	30		30	29	59	3.07	219	219	1,006	1,350,151	17			
COLORADO	2			2	3	5		5	5	10	1.51	21	21	244	339,315	4			
IDaho				3	3	6		6	6	12	2.73	21	21	59	84,069	3			
MICHIGAN														2	2,200	1			
MONTANA														375	1,650,506	13			
NEVADA				106	107	213		213	213	426	3.13	11	11	3,135	6,185,566	19			
NEW MEXICO														4	3,309	1			
OREGON				4	4	8		8	8	16	3.63	21	21	101	210,569	1			
SOUTH CAROLINA				4	4	8		8	8	16	3.63	21	21	242	407,748	1			
SOUTH DAKOTA				4	4	8		8	8	16	3.63	21	21	101	210,569	1			
UTAH				168	111	279		279	279	558	3.63	21	21	129	233,077	2			
WASHINGTON														5,598	11,356,149	43			
TOTAL OR AVERAGE	3		3	168	111	279	0	3.31	2.44	5.75	4.44	217	267	9,516	18,925,316	43			

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	FATAL	MFDI				TOTAL FATAL AND MFDI	NONI	TOTAL INJURIES	FATAL	MFDI	ALL FATAL AND MFDI	NONI	ALL INJURY RATES	FATAL	MFDI	ALL FATAL AND MFDI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		PERMANENT	TEMPORARY	TOTAL MFDI	TOTAL INJURIES												FATAL					MFDI	ALL FATAL AND MFDI	NONI	ALL INJURY RATES	FATAL	MFDI	ALL FATAL AND MFDI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
																													TOTAL	PARTIAL	TOTAL MFDI	TOTAL INJURIES	FATAL	MFDI	ALL FATAL AND MFDI	NONI	ALL INJURY RATES	FATAL	MFDI	ALL FATAL AND MFDI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
																																									TOTAL	PARTIAL	TOTAL MFDI	TOTAL INJURIES	FATAL	MFDI	ALL FATAL AND MFDI	NONI	ALL INJURY RATES	FATAL	MFDI	ALL FATAL AND MFDI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

TABLE 6. INJURY EXPERIENCE BY DEGREE AND AVERAGE FOR TYPE OF MINERAL, WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					INCIDENCE RATES					SEVERITY MEASURES		AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF DEATHS	ASSD CLAIMED WORK LOST	
	FATAL	NON-FATAL		TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	ALL FATAL AND NON-FATAL	ALL NON-FATAL RATES	ALL FATAL AND NON-FATAL	ALL FATAL AND NON-FATAL							
		PERMANENT	PARTIAL														
GOLD CONTINUED																	
ALASKA				23	23	2	5.92	4.7	6.40	112	407	843 915	27	16		16	
ARIZONA				12	12	8	4.50	3.06	5.32	187	287	533 443	16	15		15	
CALIFORNIA				53	56	49	3.66	2.72	6.28	187	187	431	47	53		53	
COLORED				16	16	21	3.24	4.25	7.50	108	108	31	26	31		31	
IDAHO				5	5	2	3.12	1.23	4.36	52	260	520 633	19	14		14	
MICHIGAN				15	16	22	1.80	2.48	4.28	688	952	1 774 400	25	31		31	
NEVADA				316	324	4	9.48	9.48	15.80	100	9 705	20 479 300	10	19		19	
NEW MEXICO				6	6	1	7.77	6.32	7.77	8	29	25 735	3	3		3	
OREGON				9	10	4	3.28	3.28	4.59	177	286	610 274	4	4		4	
SOUTH CAROLINA				65	66	9	4.05	5.70	9.09	10	1 648	3 261 771	7	7		7	
UTAH				36	37	5	1.02	1.33	2.36	202	556	1 079 282	7	12		12	
WASHINGTON				1	1	5	6.86	7.23	16.86	2	224	2 224	7	15		15	
TOTAL OR AVERAGE	7	1	16	574	591	485	3.38	3.42	2.78	6 19	240	142	382	17 519	35 006 511	284	325
IRON																	
UNDERGROUND MINES																	
MISSOURI				1	1	1	5.81	5.81	5.81	64	64	34 423	1	1		1	
TOTAL OR AVERAGE				1	1	1	5.81	5.81	5.81	64	17	34 423	1	1		1	
SURFACE AT UNDERGROUND																	
MISSOURI						2	11.23	11.23	11.23		16	35 634		1		1	
TOTAL OR AVERAGE						2	11.23	11.23	11.23		16	35 634		1		1	
STEEL																	
MISSOURI				1	1	2	2.85	5.71	8.56	31	33	70 067	1	1		1	
TOTAL OR AVERAGE				1	1	2	2.85	5.71	8.56	31	33	70 067	1	1		1	
SURFACE MINES																	
OPEN PIT																	
CALIFORNIA				91	91	11	11.56	11.56	12.95	511	511	7 047	2	2		2	
MICHIGAN				105	105	29	4.54	4.54	6.72	116	116	4 630 489	8	8		8	
MINNESOTA																	
MONTANA																	
SOUTH DAKOTA				3	3	1	23.50	23.50	31.33	2 428	2 428	25 531	2	2		2	
TEXAS																	
UTAH																	
TOTAL OR AVERAGE	199	199	199	51	51	240	6.33	6.33	7.95	223	223	3 010	6 287 753	18		18	

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORKING TIME FOR TYPE OF MINERAL WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORKING LOCATION	
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL FATAL AND NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL													
													TOTAL					PARTIAL
IRON-CONTINUED																		
TOTAL OR AVERAGE ALL MINES AND PLANTS																		
CALIFORNIA							289	33	256	13.26	1.71	14.97	523	9	7,047	3	1	
MICHIGAN							435	147	288	4.98	2.54	7.53	144	2,070	3,862	14	4	
MINNESOTA							4	2	2	3.07	3.07	6.14	170	5,593	11,560	1	2	
MISSOURI																		
MONTANA																		
NEW YORK																		
SOUTH DAKOTA																		
TEXAS							5	1	4	15.27	3.82	19.09	1,187	26	2,880	1	2	
UTAH																		
VIRGINIA							1	1	1	7.05	7.05	7.05	42	31	12,455	3		
WEST VIRGINIA							5	1	4	14.30	3.57	17.87	126	16	36,756	6		
WISCONSIN							5	5	5	32.64	32.64	32.64	751	29	55,947	1		
TOTAL OR AVERAGE							744	184	560	7.10	7.10	9.43	241	7,962	15,778	39	9	
OFFICE																		
CALIFORNIA							1	1	1	1.19	1.19	1.19	38	2	256	1	1	
MICHIGAN																		
MINNESOTA																		
MISSOURI																		
NEW YORK																		
SOUTH DAKOTA																		
TEXAS																		
UTAH																		
VIRGINIA																		
WEST VIRGINIA																		
WISCONSIN																		
TOTAL OR AVERAGE							1	1	1	12	12	12	4	864	1,623	378	35	
GRAND TOTAL OR AVERAGE																		
CALIFORNIA							290	33	257	12.75	1.64	14.39	502	11	7,405	3	1	
MICHIGAN							435	147	288	4.46	2.28	6.74	126	2,159	4,030	14	1	
MINNESOTA							4	2	2	2.49	2.49	4.98	136	6,304	12,916	1	3	
MISSOURI																		
MONTANA																		
NEW YORK																		
SOUTH DAKOTA																		
TEXAS							5	1	4	12.99	3.25	16.23	1,010	31	13,535	1	1	
UTAH																		
VIRGINIA							1	1	1	4.90	4.90	4.90	29	33	61,599	1	1	
WEST VIRGINIA							5	1	4	9.83	2.46	12.29	388	33	36,947	5	2	
WISCONSIN							5	5	5	20.43	20.43	20.43	466	42	81,366	1	1	
TOTAL OR AVERAGE							745	184	561	6.45	6.45	8.56	219	8,126	17,401	39	44	

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENT RATES	SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFI				TOTAL INJURIES	FATAL		NFI	ALL FATAL AND NFI								
		TOTAL	PERMANENT	TEMPORARY	TOTAL FATAL AND NFI													
											TOTAL FATAL AND NFI					NFI		
																	TOTAL FATAL AND NFI	NFI
LEAD/ZINC UNDERGROUND MINES ARIZONA COLORADO IDAHO MISSOURI NEW MEXICO NEW YORK TENNESSEE WASHINGTON TOTAL OR AVERAGE		3	4	7	7	2	9	8.40	8.40	2.40	10.80	240	240	240	35	69,532	1	1 2

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION		
	FATAL	NFDI				TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	FATAL	NFDI	ALL FATAL AND NFDI						
		PERMANENT	TEMPORARY	TOTAL NFDI	TOTAL FATAL AND NFDI														
																		TOTAL	PARTIAL
LEAD/ZINC CONTINUED																			
TOTAL OR AVERAGE SURFACE																			
ALASKA																		1	
COLORADO																		1	
WASHINGTON																		1	
TOTAL OR AVERAGE																		3	
LEAD/ZINC CONTINUED																			
TOTAL OR AVERAGE MINING																			
ALASKA																		1	
ARIZONA																		1	
COLORADO																		1	
IDAH0																		1	
MISSOURI																		1	
NEW MEXICO																		1	
NEW YORK																		1	
TENNESSEE																		1	
WASHINGTON																		1	
TOTAL OR AVERAGE																		24	
INDEPENDENT SHOPS																			
MISSOURI																		1	
TOTAL OR AVERAGE																		1	
PROCESSING PLANTS																			
ALASKA																		1	
ARIZONA																		1	
COLORADO																		1	
IDAH0																		1	
MISSOURI																		1	
MONTANA																		1	
NEVADA																		1	
NEW YORK																		1	
PENNSYLVANIA																		1	
TENNESSEE																		1	
WASHINGTON																		1	
TOTAL OR AVERAGE																		16	

TABLE 6. INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION					
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL									
		TOTAL	PERMANENT	TEMPO- RARY														FATAL	NFDL	ALL FATAL AND NFDL	NFDL	ALL INJU- RIES

LEAD-ZINC CONTINUED																	
TOTAL OR AVERAGE, ALL MINES AND PLANTS																	
ALASKA																	1
ARIZONA																	2
COLORADO																	3
IDAHO																	3
MISSOURI																	2
MONTANA																	10
NEVADA																	16
NEW MEXICO																	1
NEW YORK																	1
PENNSYLVANIA																	3
TENNESSEE																	2
WASHINGTON																	10
TOTAL OR AVERAGE																	40
OFFICE																	
ALASKA																	1
ARIZONA																	1
COLORADO																	2
IDAHO																	1
MISSOURI																	8
MONTANA																	1
NEVADA																	1
NEW YORK																	2
PENNSYLVANIA																	2
TENNESSEE																	9
WASHINGTON																	2
TOTAL OR AVERAGE																	29
GRAND TOTAL OR AVERAGE																	
ALASKA																	2
ARIZONA																	3
COLORADO																	3
IDAHO																	5
MISSOURI																	4
MONTANA																	24
NEVADA																	1
NEW MEXICO																	1
NEW YORK																	1
PENNSYLVANIA																	4
TENNESSEE																	2
WASHINGTON																	19
TOTAL OR AVERAGE																	69

TABLE 6. -- INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INDU- RIES	FATAL	NFDL					ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL																
																			TOTAL	PARTIAL
MANGANESE, SURFACE MINES, OPEN PIT, SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	4	166	1	-			
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	166	1	-		
TOTAL OR AVERAGE, SURFACE, SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	166	1	-		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	166	1	-		
TOTAL OR AVERAGE, MINING, SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	166	1	-		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	166	1	-		
PROCESSING PLANTS:	-	-	3	3	3	-	-	3	-	5 62	-	5 62	706	706	53	106,771	1	-		
DELAWARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	74,607	1	-		
ILLINOIS	-	-	-	-	-	-	-	-	-	-	19 15	-	2,403	2,403	5	10,442	1	-		
NEW MEXICO	-	-	4	4	4	-	-	-	-	19 15	19 15	-	-	-	21	41,783	2	-		
TEXAS	-	-	-	-	-	-	-	-	-	5 99	5 99	86	753	753	116	233,603	5	-		
TOTAL OR AVERAGE	-	-	7	7	7	1	1	8	-	5 99	5 99	86	753	753	116	233,603	5	-		
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	3	3	3	-	-	3	-	5 62	-	5 62	706	706	53	106,771	1	-		
DELAWARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	74,607	1	-		
ILLINOIS	-	-	-	-	-	-	-	-	-	-	19 15	19 15	-	-	5	10,442	1	-		
NEW MEXICO	-	-	4	4	4	-	-	-	-	19 15	19 15	-	2,403	2,403	21	41,783	2	-		
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	5 99	5 99	86	752	752	120	233,769	6	-		
TEXAS	-	-	7	7	7	1	1	8	-	5 99	5 99	86	752	752	120	233,769	6	-		
TOTAL OR AVERAGE	-	-	7	7	7	1	1	8	-	5 99	5 99	86	752	752	120	233,769	6	-		
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	23,400	1	-		
DELAWARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,400	1	-		
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7,192	2	-		
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	35,992	4	-		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	35,992	4	-		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORK LINE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE OF NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFDL					TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL					NFDL	ALL FATAL AND NFDL
		PERMANENT	PARTIAL	TEMPO- RARY	TOTAL NFDL															

MANGANESE-CONTINUED																		
GRAND TOTAL OR AVERAGE	-	-	-	3	3	3	-	3	4.61	4.61	-	4.61	-	579	579	130,171	1	1
DELAWARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80,007	1	1
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,442	1	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	166	1	-
SOUTH CAROLINA	-	-	-	4	4	4	-	4	16.33	16.33	-	16.33	-	2,050	2,050	48,975	2	2
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	7	7	7	1	8	5.19	5.19	7.4	5.93	-	652	652	269,761	6	4
MOLYBDENUM																		
UNDERGROUND MINES:																		
UNDERGROUND:	-	-	-	13	14	14	13	27	4.25	4.25	3.95	8.20	-	150	150	658,184	2	-
COLORADO	-	-	-	10	10	10	15	25	6.31	6.31	9.46	15.77	-	179	179	316,973	1	-
NEW MEXICO	-	-	-	23	24	24	28	52	4.92	4.92	5.74	10.66	-	159	159	975,157	3	-
TOTAL OR AVERAGE	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	51	-	2
SURFACE AT UNDERGROUND:																		
COLORADO	-	-	-	2	2	2	2	4	6.44	6.44	6.44	12.87	-	103	103	62,158	-	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30,739	-	-
TOTAL OR AVERAGE	-	-	-	2	2	2	2	4	4.31	4.31	4.31	8.61	-	69	69	92,897	-	3
TOTAL OR AVERAGE, UG:																		
COLORADO	-	-	-	15	16	16	15	31	4.44	4.44	4.16	8.61	-	145	145	720,342	2	2
NEW MEXICO	-	-	-	10	10	10	15	25	5.75	5.75	8.63	14.38	-	163	163	347,712	1	1
TOTAL OR AVERAGE	-	-	-	25	26	26	30	56	4.87	4.87	5.62	10.49	-	151	151	1,068,054	3	3
SURFACE MINES:																		
OPEN PIT:																		
COLORADO	-	-	-	3	3	3	4	7	6.52	6.52	8.69	15.21	-	176	176	92,059	1	-
IDAHO	-	-	-	7	7	7	3	10	3.16	3.16	1.36	4.52	-	56	56	442,570	1	-
NEVADA	-	-	-	2	3	3	-	3	29.88	29.88	29.88	-	-	767	767	20,079	1	-
TOTAL OR AVERAGE	-	-	-	12	13	13	7	20	4.69	4.69	2.52	7.21	-	102	102	554,708	3	-
TOTAL OR AVERAGE, SURFACE:																		
COLORADO	-	-	-	3	3	3	4	7	6.52	6.52	8.69	15.21	-	176	176	92,059	1	-
IDAHO	-	-	-	7	7	7	3	10	3.16	3.16	1.36	4.52	-	56	56	442,570	1	-
NEVADA	-	-	-	2	3	3	-	3	29.88	29.88	29.88	-	-	767	767	20,079	1	-
TOTAL OR AVERAGE	-	-	-	12	13	13	7	20	4.69	4.69	2.52	7.21	-	102	102	554,708	3	-

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1951 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION								
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL													
		PERMANENT	TEMPO- RARY	TOTAL NFDL	ALL FATAL AND NFDL										ALL FATAL AND NFDL					ALL FATAL AND NFDL	ALL FATAL AND NFDL						
																						TOTAL	PARTIAL	TOTAL	FATAL	NFDL	ALL FATAL AND NFDL
MOYDENUM-CONTINUED																											
TOTAL OR AVERAGE MINING																											
COLORADO	-	-	1	18	19	19	19	38	-	4.68	4.68	-	149	412	812,401	3	2										
IDAHO	-	-	-	7	7	7	7	10	-	3.16	1.36	-	56	223	442,570	1	-										
NEVADA	-	-	1	2	3	3	3	3	-	29.88	29.88	-	767	42	26,079	1	-										
NEW MEXICO	-	-	-	10	10	10	10	25	-	5.75	8.63	-	163	156	347,712	1	1										
TOTAL OR AVERAGE	-	-	2	37	39	39	37	76	-	4.81	4.56	-	134	835	1,622,762	6	3										
PROCESSING PLANTS																											
COLORADO	-	-	-	7	7	7	7	10	-	3.35	1.43	-	120	302	418,464	1	3										
IDAHO	-	-	-	4	4	4	4	7	-	6.29	4.72	-	58	75	127,116	1	1										
NEVADA	-	-	-	2	2	2	2	3	-	22.74	11.37	-	34	168	17,591	-	1										
NEW MEXICO	-	-	-	1	1	1	1	6	-	1.25	6.24	-	136	67	160,161	-	1										
TOTAL OR AVERAGE	-	-	-	14	14	14	12	26	-	3.87	3.32	-	111	612	723,332	1	6										
TOTAL OR AVERAGE ALL MINES AND PLANTS																											
COLORADO	-	1	-	25	26	26	22	48	-	4.22	3.57	-	139	714	1,230,865	4	5										
IDAHO	-	-	-	11	11	11	6	17	-	3.86	2.11	-	57	298	569,686	1	1										
NEVADA	-	-	1	4	5	5	1	6	-	26.55	5.31	-	425	210	37,670	1	1										
NEW MEXICO	-	-	-	11	11	11	20	31	-	4.33	7.88	-	154	225	507,873	1	2										
TOTAL OR AVERAGE	-	2	-	51	53	53	49	102	-	4.52	4.18	-	127	1,447	2,346,094	7	9										
OFFICE																											
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	145	204,995	-	3										
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	33	60,451	-	1										
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	24	23,665	-	1										
NEW MEXICO	-	-	-	-	-	-	2	2	-	-	25.46	25.46	-	7	15,712	-	1										
TOTAL OR AVERAGE	-	-	-	-	-	-	2	2	-	-	1.31	1.31	-	209	304,823	-	6										
GRAND TOTAL OR AVERAGE																											
COLORADO	-	1	-	25	26	26	22	48	-	3.62	3.06	-	119	859	1,435,860	4	8										
IDAHO	-	-	-	11	11	11	6	17	-	3.49	1.90	-	51	331	630,137	1	2										
NEVADA	-	1	-	4	5	5	1	6	-	16.30	3.26	-	261	234	61,335	1	2										
NEW MEXICO	-	-	-	11	11	11	22	33	-	4.20	8.40	-	150	232	523,585	1	3										
TOTAL OR AVERAGE	-	2	-	51	53	53	51	104	-	4.00	3.85	-	112	1,656	2,650,917	7	15										
NICKEL																											
SURFACE MINES																											
OPEN PIT	-	-	-	2	2	2	1	3	-	4.92	2.46	-	182	39	81,380	1	-										
OREGON	-	-	-	2	2	2	1	3	-	4.92	2.46	-	182	39	81,380	1	-										
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL				
		PERMANENT	TOTAL	PARTIAL	TOTAL NFDL															

MICKEL CONTINUED																			
TOTAL OR AVERAGE SURFACE	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
OREGON	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
TOTAL OR AVERAGE MINING	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
OREGON	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
TOTAL OR AVERAGE ALL	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
MINES AND PLANTS	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
OREGON	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
GRAND TOTAL OR AVERAGE	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
OREGON	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	2	1	3	4.92	2.46	7.37	182	182	39	81,380	1	-	-	
PLATINUM																			
UNDERGROUND MINES																			
UNDERGROUND	2	2	15	17	19	19	11	30	91	7.71	8.61	4.99	13.60	231	441,234	1	-	-	
MONTANA	2	2	15	17	19	19	11	30	91	7.71	8.61	4.99	13.60	231	441,234	1	-	-	
TOTAL OR AVERAGE	2	2	15	17	19	19	11	30	91	7.71	8.61	4.99	13.60	231	441,234	1	-	-	
SURFACE AT UNDERGROUND	-	-	2	2	2	2	1	3	1.98	1.98	99	2.97	3	99	201,925	1	-	-	
MONTANA	-	-	2	2	2	2	1	3	1.98	1.98	99	2.97	3	99	201,925	1	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	2	1	3	1.98	1.98	99	2.97	3	99	201,925	1	-	-	
TOTAL OR AVERAGE UG	2	2	17	19	21	19	12	33	62	5.91	6.53	3.73	10.26	330	643,159	1	-	-	
MONTANA	2	2	17	19	21	19	12	33	62	5.91	6.53	3.73	10.26	330	643,159	1	-	-	
TOTAL OR AVERAGE	2	2	17	19	21	19	12	33	62	5.91	6.53	3.73	10.26	330	643,159	1	-	-	
SURFACE MINES	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12,590	1	-	-	
OPEN PIT	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12,590	1	-	-	
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12,590	1	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12,590	1	-	-	

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES								INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															
															TOTAL					PARTIAL
RARE EARTHS CONTINUED	-	-	-	1	1	1	-	1	-	-	2.98	18	32	67,130	2	-	-			
TOTAL OR AVERAGE, SURFACE	-	-	-	-	-	-	-	-	-	-	-	-	17	38,449	1	-	-			
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE	-	-	-	1	1	1	-	1	-	-	1.89	11	49	105,579	3	-	-			
TOTAL OR AVERAGE, MINING	-	-	-	1	1	1	-	1	-	-	2.98	18	32	67,130	2	-	-			
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	17	38,449	1	-	-			
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE	-	-	-	1	1	1	-	1	-	-	1.89	11	49	105,579	3	-	-			
PROCESSING PLANTS	-	-	-	2	2	2	5	8	-	-	1.06	26	166	378,197	-	1	-			
CALIFORNIA	-	-	-	2	2	2	2	4	-	-	4.88	32	42	81,924	-	1	-			
WASHINGTON	-	-	-	4	4	4	8	12	-	-	1.74	29	208	460,121	-	2	-			
TOTAL OR AVERAGE	-	-	-	6	6	6	13	20	-	-	1.35	26	198	445,327	2	1	-			
TOTAL OR AVERAGE, ALL MINES AND PLANTS	-	-	-	9	9	9	19	28	-	-	2.69	23	235	504,515	2	3	-			
CALIFORNIA	-	-	-	4	4	4	4	8	-	-	3.32	22	59	120,373	1	1	-			
WASHINGTON	-	-	-	5	5	5	8	13	-	-	1.77	25	257	565,700	3	2	-			
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	37	59,188	-	2	-			
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	17	43,159	-	1	-			
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	54	102,347	-	3	-			
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
GRAND TOTAL OR AVERAGE	-	-	-	9	9	9	19	28	-	-	1.19	23	235	504,515	2	3	-			
CALIFORNIA	-	-	-	4	4	4	4	8	-	-	2.45	16	76	163,532	1	2	-			
WASHINGTON	-	-	-	5	5	5	8	13	-	-	1.50	22	311	688,047	3	5	-			
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORKLINE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASO CLAIMED WORK LOCA- TION														
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	TOTAL INJURIES					FATAL	NFI					ALL FATAL AND NFI													
		PERMANENT	TOTAL						FATAL	NFI	ALL FATAL AND NFI	ALL FATAL AND NFI								FATAL	NFI	ALL FATAL AND NFI										
			TOTAL	PARTIAL	TEMPORARY																		FATAL	NFI	ALL FATAL AND NFI	ALL FATAL AND NFI	FATAL	NFI	ALL FATAL AND NFI			
SILVER UNDERGROUND MINES																																
ALASKA																																
ARIZONA																																
COLORADO																																
IDAH0																																
MONTANA																																
NEVADA																																
NEW MEXICO																																
OREGON																																
UTAH																																
TOTAL OR AVERAGE																																
SURFACE AT UNDERGROUND																																
ALASKA																																
ARIZONA																																
COLORADO																																
IDAH0																																
MONTANA																																
NEVADA																																
NEW MEXICO																																
UTAH																																
TOTAL OR AVERAGE																																
SURFACE AT UNDERGROUND																																
ALASKA																																
ARIZONA																																
COLORADO																																
IDAH0																																
MONTANA																																
NEVADA																																
NEW MEXICO																																
OREGON																																
UTAH																																
TOTAL OR AVERAGE																																
SURFACE MINES																																
OPEN PIT																																
ALASKA																																
ARIZONA																																
COLORADO																																
IDAH0																																
MONTANA																																
NEVADA																																
NEW MEXICO																																
UTAH																																
TOTAL OR AVERAGE																																

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKING FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					INCIDENT RATES					SEVERITY MEASURES		AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS	NUMBER OF OFFER LOST DAYS	ASSD CLAIMED WORK LOCATION	
	MED			TOTAL FATAL AND MED	NON TOTAL INJURIES	FATAL	MED	ALL FATAL AND MED	NON	ALL FATAL AND RIFES	FATAL	MED					ALL FATAL AND MED
	FATAL	PERMANENT	TEMPORARY														
SILVER CONTINUED																	
TOTAL OR AVERAGE SURFACE																	
IDAHO	2	1	1	1	3	1	4.49	1.25	1.52	1.25	4.3	152	152	162	312,011	1	1
NEVADA	2	5	7	7	3	10	3.46	3.46	1.30	4.75	116	116	116	10	1,735	2	2
NEW MEXICO	2	6	8	8	3	11	3.46	3.46	1.30	4.75	116	116	116	246	461,875	5	5
TOTAL OR AVERAGE																	
TOTAL OR AVERAGE MINING																	
ALASKA	2	14	16	16	3	19	9.64	9.64	1.81	11.45	2,365	2,365	2,365	154	331,995	1	1
ARIZONA																	
COLORADO																	
IDAHO		77	77	77	57	134	11.70	11.70	2.66	20.37	416	416	416	636	1,315,941	1	1
MONTANA	2	13	13	13	6	19	5.77	5.77	2.66	8.43	424	424	424	286	450,762	4	4
NEVADA		11	13	13	5	18	6.96	6.96	2.68	9.63	917	917	917	197	373,824	1	1
NEW MEXICO		2	2	2	2	2	29.10	29.10	29.10	29.10	917	917	917	25	13,747	1	1
OREGON																	
UTAH		5	5	5	5	10	14.89	14.89	14.89	29.79	337	337	337	44	67,144	1	2
TOTAL OR AVERAGE	4	122	126	126	76	202	9.83	9.83	5.93	15.75	656	656	656	1,299	2,564,385	25	12
INDEPENDENT SHOPS																	
IDAHO																	
TOTAL OR AVERAGE																	
PROCESSING PLANTS																	
ALASKA		1	1	1	1	1	1.70	1.70	4.18	1.70	17	17	17	50	117,604	1	1
IDAHO		13	13	13	7	20	7.76	7.76	5.34	11.94	98	98	98	161	335,054	1	1
MONTANA		4	4	4	4	8	5.94	5.94	1.94	26.08	476	476	476	78	144,381	1	1
NEVADA		1	1	1	1	2	16.64	16.64	94	16.64	299	299	299	11	237,919	1	1
NEW MEXICO		1	1	1	1	1	16.64	16.64	16.64	16.64	299	299	299	11	12,021	1	1
TOTAL OR AVERAGE	20	20	20	20	12	32	4.72	4.72	2.63	7.56	128	128	128	423	847,048	1	11
MINES AND PLANTS																	
ALASKA	2	15	17	17	3	20	7.56	7.56	1.33	8.90	1,751	1,751	1,751	204	449,633	1	2
ARIZONA																	
COLORADO		90	90	90	64	154	10.85	10.85	7.72	18.57	349	349	349	808	1,628,720	1	1
IDAHO		17	17	17	10	27	5.77	5.77	3.36	9.07	437	437	437	314	595,153	1	1
MONTANA	2	12	14	14	6	20	4.50	4.50	1.96	23.28	629	629	629	33	611,743	3	3
NEVADA		3	3	3	3	3	23.28	23.28	23.28	23.28	629	629	629	33	611,743	3	3
NEW MEXICO																	
OREGON		5	5	5	5	10	14.89	14.89	14.89	29.79	337	337	337	44	67,144	1	2
UTAH																	
TOTAL OR AVERAGE	4	142	146	146	98	234	8.54	8.54	5.15	13.69	524	524	524	1,733	3,419,153	27	23

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKLINE FOR TYPE OF MINERAL, WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENT RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASO CITED WORK LOCA- TION			
	FATAL	MED				TOTAL FATAL AND MED	NOI	TOTAL INJURIES	FATAL	ALL FATAL AND MED	NOI	ALL INJURIES	FATAL	MED					ALL FATAL AND MED		
		PERMANENT	TOTAL	PARTIAL	TOTAL FATAL AND MED																
																				TEMPORARY	TOTAL FATAL AND MED
TITANIUM-CONTINUED, OFFICE FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	150,753	2				
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	150,753	2		
GROUND TOTAL OR AVERAGE FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	372	709,294	2		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	372	709,294	2		
TUNGSTEN UNDERGROUND MINES UNDERGROUND NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,636	1		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,636	1		
SURFACE AT UNDERGROUND NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	11,706	1		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	11,706	1		
TOTAL OR AVERAGE LG NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	15,402	2		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	15,402	2		
TOTAL OR AVERAGE MINING NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	15,402	2		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	15,402	2		
PROCESSING PLANTS CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	102,249	1		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	102,249	1		
TOTAL OR AVERAGE ALL MINES AND PLANTS CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	102,249	2		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	117,731	3		

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION														
	FATAL	MEDA				TOTAL FATAL AND MEDA	TOTAL FATAL AND MEDA	TOTAL FATAL AND MEDA	TOTAL FATAL AND MEDA	ALL FATAL AND MEDA	ALL INJURY RATES	FATAL	MEDA	ALL FATAL AND MEDA																			
		PERMANENT		TEMPORARY	TOTAL MEDA										TOTAL FATAL AND MEDA					TOTAL FATAL AND MEDA	ALL FATAL AND MEDA	ALL INJURY RATES	FATAL	MEDA	ALL FATAL AND MEDA								
		TOTAL	PARTIAL																							TOTAL FATAL AND MEDA	TOTAL FATAL AND MEDA	TOTAL FATAL AND MEDA	ALL FATAL AND MEDA	ALL INJURY RATES	FATAL	MEDA	ALL FATAL AND MEDA
TUNGSTEN-CONTAINED OFFICE																																	
CALIFORNIA																																	
TOTAL OR AVERAGE																																	
GRAND TOTAL OR AVERAGE																																	
CALIFORNIA																																	
NEVADA																																	
TOTAL OR AVERAGE																																	
URANIUM UNDERGROUND MINES UNDERGROUND																																	
ARIZONA																																	
COLORADO																																	
NEW MEXICO																																	
UTAH																																	
WORKING																																	
TOTAL OR AVERAGE																																	
SURFACE AT UNDERGROUND																																	
ARIZONA																																	
COLORADO																																	
NEW MEXICO																																	
UTAH																																	
WORKING																																	
TOTAL OR AVERAGE																																	
TOTAL OR AVERAGE, U.S.																																	
ARIZONA																																	
COLORADO																																	
NEW MEXICO																																	
UTAH																																	
WORKING																																	
TOTAL OR AVERAGE																																	

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1967 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENT RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION					
	FATAL	NON-FATAL				TOTAL INJURIES	FATAL	NON-FATAL	ALL FATAL AND NON- FATAL	ALL INJU- RIES	FATAL	NON-FATAL	ALL FATAL AND NON- FATAL											
		TOTAL	PERMANENT	TEMPORARY	TOTAL NON-FATAL									FATAL	NON-FATAL					ALL FATAL AND NON- FATAL				
																					TOTAL	FATAL	NON-FATAL	ALL FATAL AND NON- FATAL
URANIUM-CONTAINED SURFACE MINES																								
OPEN PIT																								
COLORADO																								
NEW MEXICO																								
TEXAS																								
WYOMING																								
TOTAL OR AVERAGE																								
TOTAL OR AVERAGE, SURFACE																								
COLORADO																								
NEW MEXICO																								
TEXAS																								
WYOMING																								
TOTAL OR AVERAGE																								
TOTAL OR AVERAGE, MINING																								
ARIZONA																								
COLORADO																								
NEW MEXICO																								
TEXAS																								
UTAH																								
WYOMING																								
TOTAL OR AVERAGE																								
PROCESSING PLANTS																								
COLORADO																								
NEBRASKA																								
NEW MEXICO																								
TEXAS																								
UTAH																								
WYOMING																								
TOTAL OR AVERAGE																								
TOTAL OR AVERAGE, ALL																								
MINES AND PLANTS																								
ARIZONA																								
COLORADO																								
NEBRASKA																								
NEW MEXICO																								
TEXAS																								
UTAH																								
WYOMING																								
TOTAL OR AVERAGE																								

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL INJURIES														
														TOTAL					PARTIAL
URANIUM CONTINUED																			
OFFICE																			
ARIZONA																			
COLORADO																			
MONTANA																			
NEBRASKA																			
NEW MEXICO																			
TEXAS																			
UTAH																			
WYOMING																			
TOTAL OR AVERAGE																			
GRAND TOTAL OR AVERAGE																			
ARIZONA																			
COLORADO																			
MONTANA																			
NEBRASKA																			
NEW MEXICO																			
TEXAS																			
UTAH																			
WYOMING																			
TOTAL OR AVERAGE																			
VANADIUM																			
PROCESSING PLANTS																			
ARKANSAS																			
TOTAL OR AVERAGE																			
TOTAL OR AVERAGE, ALL MINES AND PLANTS																			
ARKANSAS																			
TOTAL OR AVERAGE																			
OFFICE																			
ARKANSAS																			
TOTAL OR AVERAGE																			
GRAND TOTAL OR AVERAGE																			
ARKANSAS																			
TOTAL OR AVERAGE																			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFDI				TOTAL INJURIES	NDI	TOTAL FATAL AND NFDI	ALL FATAL AND NFDI	NDI	ALL INJU- RIES	FATAL	NFDI					ALL FATAL AND NFDI	
		PERMANENT		TEMPO- RARY															TOTAL NFDI
		TOTAL	PARTIAL																
ZIRCON: PROCESSING PLANTS NEW JERSEY-----	-	-	-	1	1	1	-	1	4.34	4.34	-	4.34	4	4	24	46,113	1	-	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	4.34	4.34	-	4.34	4	4	24	46,113	1	-	
TOTAL OR AVERAGE, ALL MINES AND PLANTS NEW JERSEY-----	-	-	-	1	1	1	-	1	4.34	4.34	-	4.34	4	4	24	46,113	1	-	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	4.34	4.34	-	4.34	4	4	24	46,113	1	-	
OFFICE: NEW JERSEY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,112	-	1	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3,112	-	1	
GRAND TOTAL OR AVERAGE NEW JERSEY-----	-	-	-	1	1	1	-	1	4.06	4.06	-	4.06	4	4	26	49,225	1	1	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	4.06	4.06	-	4.06	4	4	26	49,225	1	1	
OTHER METALS, NEC: SURFACE MINES: OPEN PIT: ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,564	2	-	
NEW JERSEY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	42,398	1	-	
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6,390	1	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	61,452	4	-	
TOTAL OR AVERAGE, SURFACE: ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,564	2	-	
NEW JERSEY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	42,398	1	-	
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6,390	1	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	61,452	4	-	
TOTAL OR AVERAGE, MINING: ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	12,564	2	-	
NEW JERSEY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	42,398	1	-	
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6,390	1	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	61,452	4	-	

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORK TIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION			
	FATAL	NFDL				TOTAL INJURIES	NFDL	TOTAL FATAL AND NFDL	ALL FATAL AND NFDL	ALL INDU- RIES	FATAL	NFDL								
		PERMANENT	TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES															
													TEMPO- RARY					TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES
OTHER METALS - NEC-CONTINUED PROCESSING PLANTS IDAHO UTAH TOTAL OR AVERAGE														1 20 21	1,440 39,042 40,482	1 1 2				
TOTAL OR AVERAGE ALL MINES AND PLANTS ARKANSAS IDAHO NEW JERSEY UTAH TOTAL OR AVERAGE														7 21 23 52	12,664 1,440 42,398 45,432 101,934	2 1 2 6				
OFFICE ARKANSAS IDAHO NEW JERSEY UTAH TOTAL OR AVERAGE														1 3 2 7	1,520 1,440 6,860 2,448 12,268	1 1 2 5				
GRAND TOTAL OR AVERAGE ARKANSAS IDAHO NEW JERSEY UTAH TOTAL OR AVERAGE														8 2 24 25 59	14,184 2,880 49,298 47,880 114,202	3 1 1 2 6				

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES	SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION						
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	NFDL															
		PERMANENT	TEMPORARY	TOTAL NFDL	FATAL				NFDL	ALL FATAL AND NFDL		ALL INJU- RIES	FATAL	NFDL					ALL FATAL AND NFDL					
																				TOTAL	PARTIAL	FATAL	NFDL	ALL FATAL AND NFDL
ALL METALLIC MINERALS UNDERGROUND MINES																								
ALASKA					13	15	15	15	10 82	72	11 54	2 827	2 827	277 365	129									
ARIZONA		2			59	63	63	63	3 89	2 35	6 24	2 223	2 223	3 238 181	1 706	4								
CALIFORNIA		4			3	3	3	3	3 64	7 28	10 91	217	217	154 949	100	16								
COLORADO		4			19	23	23	23	4 67	3 45	8 12	148	148	984 817	484	17								
IDAHO					69	69	69	69	14 44	11 72	26 16	409	409	955 836	548	11								
MICHIGAN		4			83	87	87	87	13 25	6 09	19 34	477	477	1 313 560	568	2								
MISSOURI					16	16	16	16	2 95	3 87	6 81	316	316	1 085 906	535	10								
MONTANA		2			27	29	29	29	7 85	5 82	13 67	3 512	3 512	790 275	443	11								
NEVADA					15	15	15	15	12 20	16 26	28 46	504	504	245 939	444	12								
NEW MEXICO					23	23	23	23	11 52	10 01	21 53	340	340	399 435	211	13								
NEW YORK					7	7	7	7	7 50	2 14	9 65	147	147	186 617	93	5								
OREGON					3	3	3	3	99 99	73 38	99 99	917	917	5 451	12	2								
SOUTH DAKOTA	4	1			49	50	54	54	6 69	8 82	15 61	284	3 257	1 614 733	730	1								
TENNESSEE		3			30	33	33	33	4 89	3 36	8 45	203	203	1 349 546	629	8								
UTAH					4	4	4	4	13 88	17 35	31 22	198	198	57 650	38	5								
WASHINGTON	2	1			23	24	26	26	78	10 17	12 51	286	4 978	511 528	294	7								
WYOMING														2 122	9	2								
TOTAL OR AVERAGE	8	21	443		464	472	472	472	7 04	5 75	12 91	728	1 084	13 183 883	6 642	143								
SURFACE AT UNDERGROUND																								
ALASKA					1	1	1	1	2 17	4 33	6 50	11	11	92 315	47			4						
ARIZONA		1			11	12	12	12	3 15	2 62	5 77	143	143	763 088	394	3		15						
CALIFORNIA					1	1	1	1	6 28	2 67	7 11	6	6	31 841	30	2		10						
COLORADO					5	5	5	5	4 44	2 67	6 55	84	84	225 075	136	5		15						
IDAHO					7	7	7	7	5 73	5 80	9 95	259	259	244 211	124	2		8						
MICHIGAN					10	10	10	10	4 14	5 80	9 07	125	125	482 566	226	1		10						
MISSOURI					3	3	3	3	2 47	4 22	6 10	40	40	242 623	124	2		2						
MONTANA					9	9	9	9	8 45	1 88	6 10	72	72	426 297	104	1		8						
NEVADA					4	4	4	4	8 45	6 34	14 79	266	266	94 631	53	1		11						
NEW MEXICO					2	2	2	2	3 15	3 15	3 15	192	192	127 130	82	1		10						
NEW YORK					2	2	2	2	24 29	24 29	48 58	73	73	8 233	4	1		2						
OREGON					1	1	1	1	15 93	15 93	15 93	175	175	12 557	19	1		1						
SOUTH DAKOTA					4	4	4	4	1 60	2 00	3 60	31	31	500 529	336	1		7						
TENNESSEE					1	1	1	1	1 64	4 91	6 54	3	3	122 315	59	1		5						
UTAH					1	1	1	1	6 63	6 63	6 63	358	358	30 150	18	1		6						
WASHINGTON					5	5	5	5	6 27	10 03	16 31	381	381	159 454	83	1		2						
WYOMING														17 844	54	1								
TOTAL OR AVERAGE		1	66		67	67	67	67	3 74	3 46	7 20	121	121	3 580 859	2 011	21		117						

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL					ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL													
ALL METALLIC CONTINUED: TOTAL OR AVERAGE, U.S.																		
ALASKA		2	14	16	16	3	19	8.66	3.75	8.66	1.62	10.28	2.124	176	369,680	4	4	
ARIZONA		5	70	75	75	48	123	4.07	4.07	3.75	2.40	6.15	208	2,100	4,001,269	19	15	
CALIFORNIA		4	24	28	28	20	48	4.63	4.07	3.75	2.40	5.16	183	1,300	1,967,763	19	15	
COLORADO			76	76	76	54	133	12.67	4.63	4.63	3.31	7.93	136	620	1,208,892	22	15	
IDAHO		4	93	97	97	29	151	10.80	10.80	12.67	9.50	15.81	450	672	1,200,047	13	8	
MICHIGAN			36	38	38	48	151	2.86	2.86	2.86	4.37	7.23	382	794	1,796,156	3	2	
MISSOURI	2	2	19	19	19	23	67	6.38	6.38	6.38	4.44	11.02	266	659	1,328,529	10	10	
MONTANA			25	25	25	20	45	11.16	11.16	11.16	13.51	24.66	307	666	1,216,522	12	8	
NEVADA			8	8	8	3	11	9.50	9.50	9.50	17.09	30.5	438	196	340,570	14	11	
NEW MEXICO			8	8	8	2	6	8.21	8.21	8.21	3.08	11.29	305	293	526,565	14	10	
NEW YORK			53	54	54	77	125	44.40	44.40	44.40	22.21	66.64	400	31	164,800	5	2	
OREGON		1	31	34	34	27	61	5.46	5.46	5.46	7.28	12.76	294	1,075	2,115,262	3	1	
SOUTH DAKOTA	4	3	28	29	31	40	71	4.62	4.62	4.62	3.67	8.29	186	698	1,471,861	1	1	
TENNESSEE								11.39	11.39	11.39	11.39	22.78	253	56	87,800	8	5	
UTAH	2	1						8.64	8.64	8.64	9.24	21.16	309	337	670,982	6	7	
WASHINGTON														63	19,966	8	6	
WYOMING																3	2	
TOTAL OR AVERAGE	8	22	509	531	539	441	980	10	6.33	6.43	5.26	11.69	306	8.653	16,764,742	164	117	
SURFACE MINES																		
OPEN PIT																		
ALASKA																		
ARIZONA		2	17	19	19	1	20	4.66	4.66	4.66	2.32	4.91	109	324	814,642	23		
ARIZONA	3	2	88	90	93	74	167	2.24	2.24	2.32	1.85	4.16	83	3,705	8,019,234	18		
ARKANSAS																		
CALIFORNIA		1	33	34	34	22	56	4.37	4.37	4.37	2.83	7.19	125	35	46,903	5		
COLORADO			12	12	12	12	24	7.05	7.05	7.05	1.10	4.39	130	214	340,196	22		
IDAHO			12	12	12	4	16	3.28	3.28	3.28	1.40	12.05	63	472	728,514	11		
MICHIGAN			91	91	91	11	102	11.56	11.56	11.56	1.40	12.05	511	815	1,514,815	13		
MINNESOTA			105	105	105	39	144	4.54	4.54	4.54	1.68	6.22	116	2,136	4,630,489	2		
MONTANA		1	7	8	9	6	15	1.81	1.81	2.03	1.35	3.73	2	537	885,701	8		
NEVADA	1	10	216	226	227	116	343	4.05	4.05	4.07	2.08	6.15	146	5,373	11,151,732	16		
NEW JERSEY														21	42,398	56		
NEW MEXICO		1	11	12	12	17	29	1.21	1.21	1.21	1.72	2.93	75	924	1,979,058	1		
OREGON			3	3	3	1	4	6.10	6.10	6.10	2.03	8.13	152	61	98,395	10		
SOUTH CAROLINA		1	5	6	6	3	9	5.34	5.34	5.34	2.67	8.00	66	114	224,926	3		
SOUTH DAKOTA			5	5	5	3	8	2.43	2.43	2.43	1.46	3.89	193	199	410,899	4		
TEXAS			11	11	11	2	13	11.31	11.31	11.31	2.06	13.36	563	128	194,584	7		
UTAH		1	1	1	1	25	36	1.10	1.10	1.10	2.51	3.61	61	93	1,993,992	6		
WASHINGTON			9	9	9		9	4.66	4.66	4.66		7.08	9	20	42,903	9		
WYOMING								7.08	7.08	7.08			212	136	254,175	2		
TOTAL OR AVERAGE	5	18	636	655	660	336	996	03	3.74	3.77	1.92	5.69	165	16.883	34,980,660	220		

TABLE 6. INJURY EXPERIENCE BY DEGREE AND WORKLINE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPER- ATIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		TOTAL	PARTIAL	TEMP PLAY	TOTAL NFDL																

ALL METALLIC CONTINUED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</
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TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION
	FATAL	NFDI					TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	ALL INJURIES			FATAL	NFDI	ALL FATAL AND NFDI				
		TOTAL	PERMANENT	TEMPO- RARY	TOTAL NFDI	ALL FATAL AND NFDI				NFI	ALL INJU- RIES								
ALL METALLIC CONTINUED TOTAL OR AVERAGE, MINING																			
ALASKA	3	4	34	158	38	165	38	168	5	43	290	659	424	571	1,331,251	30	4		
ARIZONA		7							2.75	5.71	2.80	5.71	2.80	5.71	12,020,503	37	15		
ARKANSAS		1	39	36	40	40	40	40	4.21	4.21	3.26	7.47	123	1,900,342	42	10			
CALIFORNIA		4	3	3	3	3	3	3	5.16	5.16	4.13	9.29	135	1,550,081	33	15			
COLORADO			88	184	88	188	88	188	1.09	9.13	6.33	15.45	37	1,928,561	2	8			
FLORIDA		4	184	105	105	105	105	105	9.13	11.15	3.86	15.01	304	1,609,370	26	8			
IDAHO			19	19	19	19	19	19	4.54	4.54	4.37	7.23	116	4,630,489	5	2			
MICHIGAN			43	235	43	245	43	245	2.86	2.86	3.14	7.80	266	1,328,529	8	10			
MINNESOTA	3	1							4.26	4.26	2.42	6.70	248	2,102,223	28	8			
MISSOURI	1	10							2.95	2.95	2.95	5.91	124	11,482,362	72	11			
MONTANA			36	8	37	37	37	37	8.21	8.21	3.08	11.29	144	2,505,623	24	10			
NEVADA			7	5	7	7	7	7	12.03	12.03	5.15	17.18	191	194,850	5	2			
NEW JERSEY			58	34	59	63	63	63	5.34	5.34	2.67	8.00	66	116,403	5	1			
NEW MEXICO			31	11	34	34	34	34	4.67	4.67	6.33	11.32	219	224,925	4	1			
NEW YORK	4	1							3.2	3.2	4.99	8.29	186	2,526,161	8	1			
OREGON			11	11	11	11	11	11	11.31	11.31	2.06	13.36	563	1,471,861	8	7			
SOUTH CAROLINA			15	15	15	15	15	15	1.54	1.54	2.88	4.42	69	194,584	6	5			
SOUTH DAKOTA			29	30	30	30	30	30	8.40	8.40	8.97	20.17	291	2,081,700	15	5			
TENNESSEE	2	1							6.57	6.57	6.57	6.57	196	713,885	10	2			
TEXAS																			
UTAH																			
WASHINGTON																			
WYOMING																			
TOTAL OR AVERAGE	13	1	1,153	1,194	1,207	1,207	1,207	1,207	4.54	4.59	2.98	7.57	297	25,968	52,589,279	390	117		
INDEPENDENT SHOPS																			
IDAHO			8	8	8	8	8	8	13.04	13.04	3.92	8.49	424	7,720	1	1			
MICHIGAN		2	12	14	14	14	14	14	4.57	4.57			104	122,714	2	1			
MINNESOTA																			
MISSOURI																			
TOTAL OR AVERAGE		2	20	22	22	22	22	22	5.81	5.81	3.17	8.99	153	796,745	5				

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION		
	FATAL	NFDI			TOTAL INJURIES	NFI						
		PERMANENT	TEMPO- RARY	TOTAL NFDI								
											TOTAL	PARTIAL
ALL METALLIC CONTINUED PROCESSING PLANTS												
ALASKA			6		6	8		180	584,594	14	5	
ARIZONA		2	43		45	134		3,534	7,270,560	17	12	
ARKANSAS		1	46		47	94		860	1,291,030	7	18	
CALIFORNIA		2	28		30	23		917	1,830,597	8	13	
COLORADO			10		10	23		585	896,314	6		
DELAWARE			3		3	3		53	106,771	1		
GEORGIA								20	41,811	1		
IDAHO			18		18	29		331	561,797	4	10	
ILLINOIS								37	74,607	1		
LOUISIANA		1	16		17	40		694	1,574,938	3	3	
MICHIGAN		1	160		161	186		1,247	2,296,963	3	4	
MINNESOTA		3	166		169	265		3,161	6,317,118	4	8	
MISSOURI		1	1		1	7		156	313,676	4	11	
MONTANA		1	15		16	34		709	1,402,089	4		
NEBRASKA								12	24,469	1	47	
NEVADA		1	109		110	196		3,454	6,966,321	21		
NEW JERSEY			9		10	1		24	46,113	1	5	
NEW MEXICO		1	1		1	25		613	1,318,843	7	2	
NEW YORK			2		2	4		56	110,310	1		
OREGON			11		11	13		14	6,164	2	2	
PENNSYLVANIA			4		4	5		60	111,912	1	3	
SOUTH CAROLINA			7		7	20		121	272,569	3	3	
SOUTH DAKOTA			1		1	8		242	497,748	3	3	
TENNESSEE		2	86		88	165		1,582	277,033	13	4	
TEXAS		3	11		11	32		934	3,415,127	7	4	
UTAH			11		11	21		332	747,197	1		
VIRGIN ISLANDS			4		4	4		16	28,361	2	5	
VIRGINIA			1		1	1		201	369,860	6		
WASHINGTON			13		13	25		242	55,947	1	2	
WEST VIRGINIA			4		4	5		17	30,357	2		
WISCONSIN			5		5	5		52	190,734	1		
WYOMING			6		6	6		534				
TOTAL OR AVERAGE		19	787		806	1,396		20,267	40,924,642	125	164	

TABLE 6. INJURY EXPERIENCE BY DEGREE AND WORKING TIME FOR TYPE OF MINERAL WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERATIONS	ASST. CLAIMED FOR WORK LOCATION	
	FATAL	NONFATAL		TOTAL	FATAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL	ALL INJURIES	FATAL	NONFATAL	ALL INJURIES	FATAL AND NONFATAL						
		DEPARTMENT	PERIOD RARY																
ALL METALLIC CONTINUED TOTAL OR AVERAGE ALL MINES AND PLANTS	3	4	40	44	44	7	51	03	4	4	8	8	16	463	463	751	1,915,345	30	27
ALASKA		1	201	210	213	211	424		2	2	4	4	8	97	97	329	1,951,063	11	28
ARIZONA		1	46	47	47	47	34	1	1	2	2	4	149	149	715	1,377,933	1	28	
ARKANSAS		1	57	70	70	54	134	3	3	6	6	12	146	146	1,906	3,730,830	2	28	
CALIFORNIA		1	46	50	50	46	35	1	1	2	2	4	131	131	1,420	2,446,420	2	28	
COLORADO		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
CONNECTICUT		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
DELAWARE		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
FLORIDA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
GEORGIA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
IDAH		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
ILLINOIS		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
INDIANA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
MICHIGAN		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
MINNESOTA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
MISSOURI		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
MONTANA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
NEBRASKA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
NEVADA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
NEW JERSEY		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
NEW MEXICO		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
NEW YORK		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
OREGON		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
PENNSYLVANIA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
SOUTH CAROLINA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
SOUTH DAKOTA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
TENNESSEE		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
TEXAS		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
UTAH		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
VIRGIN ISLANDS		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
VIRGINIA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
WASHINGTON		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
WEST VIRGINIA		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
WISCONSIN		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
WYOMING		1	3	3	3	2	3	1	1	2	2	4	37	37	232	106,771	1	28	
TOTAL OR AVERAGE	13	61	1,369	2,022	2,035	1,365	3,420	03	4	8	8	16	183	183	46,617	34,286,666	520	281	

TABLE 6 INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE HOURS	NUMBER OF OPERA- TIONS	ASSO- CIATED WORK LOCA- TION	
	FATAL	NON-FATAL			TOTAL FATAL AND NON- FATAL	TOTAL INJURIES	FATAL	NON- FATAL	ALL FATAL AND NON- FATAL	FATAL	NON- FATAL	ALL FATAL AND NON- FATAL						
		PERMANENT	TEMPORARY	TOTAL NON- FATAL														
													TOTAL NON- FATAL					
																		TOTAL NON- FATAL
ALL METALLIC CONTINUED																		
ALASKA							1								119	321 912		13
ARIZONA															638	1 207 275		36
ARKANSAS															296	604 472		10
CALIFORNIA							1								318	490 461	2	30
COLORADO															249	406 277	1	25
DELAWARE															12	23 400		1
FLORIDA															90	158 763		2
GEORGIA															3	4 526		1
IDAHO															141	240 144		19
ILLINOIS															3	5 400		1
LOUISIANA															197	404 481		3
MICHIGAN							1								158	314 083	1	8
MINNESOTA															711	1 245 812		14
MISSOURI							1								143	251 703	1	9
MONTANA							2								203	366 769	1	22
NEBRASKA															11	18 869		1
NEVADA							4								1 389	2 990 044	3	76
NEW JERSEY															5	9 972		2
NEW MEXICO							2								200	383 946	1	17
NEW YORK															22	43 059		2
OREGON															10	4 461		4
PENNSYLVANIA															5	8 624		2
SOUTH CAROLINA															55	112 946		7
SOUTH DAKOTA															159	251 397		9
TENNESSEE															70	174 088		16
TEXAS							1								552	1 041 480		17
UTAH															273	460 765		1
VIRGIN ISLANDS															18	38 807		1
VIRGINIA															8	12 318		1
WASHINGTON							2								121	234 267		2
WEST VIRGINIA															13	25 419		9
WISCONSIN															14	23 478	1	5
WYOMING															97	107 574		7
TOTAL OR AVERAGE							8								6 253	12 106 943	13	376

TABLE 6
INDUSTRY EXPERIENCE BY DEGREE AND WORKING TIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES: 1997 (CONTINUED)

TYPE OF MINERAL AND LOCATION STATE	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES				DIFFERENCE NUMBER OF HOURS	EMPLOYEE HOURS	NUMBER OF OCCASIONAL ILLNESS	ASSOC- IATED DEATH TOTAL		
	TOTAL		FATAL		NON-FATAL		TOTAL		FATAL		NON-FATAL		TOTAL		FATAL						NON-FATAL	
	PERMANENT	TEMPORARY	FATAL	NON-FATAL	FATAL	NON-FATAL	FATAL	NON-FATAL	FATAL	NON-FATAL	FATAL	NON-FATAL	FATAL	NON-FATAL	FATAL	NON-FATAL						
ALL METALLIC CONTINUED GRAND TOTAL OR AVERAGE	3	40	44	9	12	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
ALABAMA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
ARIZONA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
ARKANSAS	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
CALIFORNIA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
COLORADO	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
CONNECTICUT	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
DELAWARE	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
FLORIDA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
GEORGIA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
IDaho	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
ILLINOIS	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
INDIANA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
MICHIGAN	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
MINNESOTA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
MISSOURI	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
MONTANA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
NEBRASKA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
NEVADA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
NEW JERSEY	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
NEW MEXICO	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
NEW YORK	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
OREGON	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
PENNSYLVANIA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
SOUTH CAROLINA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
SOUTH DAKOTA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
TENNESSEE	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
TEXAS	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
UTAH	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
VIRGIN ISLANDS	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
VIRGINIA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
WASHINGTON	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
WEST VIRGINIA	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
WISCONSIN	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
WYOMING	1	20	21	1	2	03	3.93	2.06	4.65	176	386	386	870	2,237	30	75	25					
TOTAL OR AVERAGE	13	67	80	1	2	02	3.42	2.63	6.47	147	163	309	52,870	106,307,505	535	657	11					

TABLE 7 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	METD			TOTAL FATAL AND METD	NOI	TOTAL INJURIES	FATAL	METD			TOTAL FATAL AND METD	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND METD
		PERMANENT	TEMPORARY	TOTAL METD					TOTAL	PARTIAL					

ALUMINUM ORE PROCESSING PLANTS																			
ARIZONA																			
LOUISIANA																			
TEXAS																			
VIRGIN ISLANDS																			
TOTAL OR AVERAGE																			
TOTAL OR AVERAGE, ALL MINES AND PLANTS																			
ARIZONA																			
LOUISIANA																			
TEXAS																			
VIRGIN ISLANDS																			
TOTAL OR AVERAGE																			
GRAND TOTAL OR AVERAGE																			
ARIZONA																			
LOUISIANA																			
TEXAS																			
VIRGIN ISLANDS																			
TOTAL OR AVERAGE																			
BERYL PROCESSING PLANTS																			
UTAH																			
TOTAL OR AVERAGE																			
TOTAL OR AVERAGE, ALL MINES AND PLANTS																			
UTAH																			
TOTAL OR AVERAGE																			
GRAND TOTAL OR AVERAGE																			
UTAH																			
TOTAL OR AVERAGE																			

TABLE 7. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, MINER LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, MINER LOCATION, AND STATE	NUMBER OF INJURIES										LOST WORKDAYS										AVERAGE SEVERITY									
	FATAL			NON-FATAL			TOTAL				FATAL			NON-FATAL			TOTAL				FATAL			NON-FATAL			TOTAL			
	PERMANENT		TEMPORARY	TOTAL		PERMANENT		TEMPORARY	TOTAL		PERMANENT		TEMPORARY	TOTAL		PERMANENT		TEMPORARY	TOTAL		PERMANENT		TEMPORARY	TOTAL		PERMANENT		TEMPORARY	TOTAL	
	TOTAL	PARTIAL		TOTAL	PARTIAL	TOTAL	PARTIAL		TOTAL	PARTIAL	TOTAL	PARTIAL		TOTAL	PARTIAL	TOTAL	PARTIAL		TOTAL	PARTIAL	TOTAL	PARTIAL		TOTAL	PARTIAL	TOTAL	PARTIAL		TOTAL	PARTIAL
COPPER																														
UNDERGROUND																														
ARIZONA	4	50	54	54	22	86	1,075	2,212	3,287	3,287	269	44	61																	
MICHIGAN	4	83	87	87	40	127	200	2,934	3,134	3,134	50	35	36																	
NEW MEXICO	3	5	3	3	2	5	75	125	25	125	25	25	25																	
OREGON	8	141	149	149	76	225	1,275	5,286	6,571	6,571	159	38	44																	
TOTAL OR AVERAGE																														
SURFACE AT UNDERGROUND																														
ARIZONA	1	8	9	9	8	17	50	458	508	508	50	57	56																	
MICHIGAN	1	10	10	10	14	24		301	301	301		30	30																	
NEW MEXICO	1	1	1	1	1	1		44	44	44		44	44																	
OREGON	1	1	1	1	1	1		11	11	11		11	11																	
TOTAL OR AVERAGE																														
SURFACE AT SURFACE																														
ARIZONA	5	58	63	63	40	103	1,125	2,670	3,795	3,795	225	46	62																	
MICHIGAN	4	83	97	97	54	151	200	3,275	3,475	3,475	50	35	36																	
NEW MEXICO	4	6	6	6	2	8	36	169	36	169	36	26	26																	
OREGON	9	161	170	170	98	288	1,325	6,110	7,435	7,435	147	38	44																	
TOTAL OR AVERAGE																														
SURFACE MINES																														
OPEN PIT																														
ARIZONA	3	85	87	90	72	162	630	2,543	3,193	3,193	325	30	25																	
MICHIGAN	1	3	3	4	4	8		54	54	54		18	18																	
NEW MEXICO	1	17	17	17	2	19	75	162	162	162	75	10	10																	
NEW MEXICO	1	11	12	12	16	28	50	671	746	746	50	61	62																	
UTAH	1	7	8	8	21	29		517	567	567	50	74	71																	
TOTAL OR AVERAGE																														
TOTAL OR AVERAGE SURFACE																														
ARIZONA	3	85	87	90	72	162	630	2,543	3,193	3,193	325	30	25																	
MICHIGAN	1	3	3	4	4	8		54	54	54		18	18																	
NEW MEXICO	1	17	17	17	2	19	75	162	162	162	75	10	10																	
NEW MEXICO	1	11	12	12	16	28	50	671	746	746	50	61	62																	
UTAH	1	7	8	8	21	29		517	567	567	50	74	71																	
TOTAL OR AVERAGE																														

TABLE 7. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFI				TOTAL FATAL AND NFI	TOTAL INJURIES	NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI
		TOTAL	PERMANENT	PARTIAL									
				TOTAL	PARTIAL								
COOPER CONTINUED													
TOTAL OR AVERAGE MINING	3	143	7	150	153	18,000	265	112	377	5,213	1,775	6,988	24,988
ARIZONA	1	93	4	97	97	6,000	151	54	205	3,435	200	3,635	3,635
MICHIGAN	-	3	-	3	4	-	8	2	10	34	-	34	34
NEVADA	-	17	-	17	17	-	19	2	21	162	75	237	162
NEW MEXICO	-	4	-	4	4	-	6	2	8	840	36	876	915
OREGON	-	7	-	7	7	-	29	21	50	517	50	567	567
UTAH	-	1	-	1	1	-	29	21	10,057	36	157	162	162
TOTAL OR AVERAGE	4	284	13	297	301	24,000	514	213	3,107	12,157	2,100	15,257	36,157
PROCESSING PLANTS													
ARIZONA	-	41	2	43	43	-	131	88	320	1,392	320	1,712	1,712
MICHIGAN	-	4	-	4	4	-	7	3	50	223	50	273	273
NEVADA	-	6	-	6	6	-	12	5	100	91	100	191	191
NEW MEXICO	-	7	-	7	7	-	15	7	401	710	401	1,111	1,111
OREGON	-	2	-	2	2	-	2	10	290	401	290	691	691
UTAH	-	3	-	3	3	-	13	10	470	290	290	760	760
TOTAL OR AVERAGE	-	63	4	67	67	-	180	113	3,107	12,157	2,100	15,257	36,157
MINES AND PLANTS													
TOTAL OR AVERAGE ALL	3	184	9	193	196	18,000	396	200	2,095	6,505	2,095	8,600	26,700
ARIZONA	1	97	4	101	101	6,000	158	57	200	3,458	200	3,658	3,658
MICHIGAN	-	9	-	9	9	-	20	2	50	145	50	195	195
NEVADA	-	17	-	17	17	-	19	2	175	162	175	337	337
NEW MEXICO	-	24	-	24	24	-	51	25	175	1,550	175	1,725	1,725
OREGON	-	6	-	6	6	-	8	2	50	437	437	874	874
UTAH	-	10	-	10	11	-	42	31	50	807	807	1,614	1,614
TOTAL OR AVERAGE	4	347	17	364	368	24,000	694	326	2,570	13,164	2,570	15,734	39,734
GRAND TOTAL OR AVERAGE													
ARIZONA	3	184	9	193	196	18,000	396	200	2,095	6,505	2,095	8,600	26,700
MICHIGAN	1	97	4	101	101	6,000	158	57	200	3,458	200	3,658	3,658
NEVADA	-	17	-	17	17	-	19	2	175	162	175	337	337
NEW MEXICO	-	24	-	24	24	-	51	25	175	1,550	175	1,725	1,725
OREGON	-	6	-	6	6	-	8	2	50	437	437	874	874
UTAH	-	10	-	10	11	-	42	31	50	807	807	1,614	1,614
TOTAL OR AVERAGE	4	347	17	364	368	24,000	694	326	2,570	13,164	2,570	15,734	39,734

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	LOST WORKDAYS				AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	NFDI			NFDI						TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL NFDI	TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	FATAL	TOTAL	PARTIAL	TOTAL	PARTIAL													TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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UNDERGROUND	-	-	 

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE OF TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES										LOST WORKDAYS				AVERAGE SEVERITY		
	FATAL	NFIDL				TOTAL FATAL AND NFIDL	NDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFIDL	
		PERMANENT		TEMPO RARY	TOTAL												
		TOTAL	PARTIAL		TOTAL					PARTIAL							
GOLD-CONTINUED																	
SURFACE MINES																	
OPEN PIT																	
ALASKA	-	-	-	16	18	18	1	19	-	-	100	344	444	50	22	25	
ARIZONA	-	-	-	3	3	3	2	5	-	-	-	115	115	100	38	38	
CALIFORNIA	-	-	-	32	33	33	22	55	-	-	100	868	968	100	27	29	
COLORADO	-	-	-	9	9	9	8	17	-	-	-	140	140	-	16	16	
IDAHO	-	-	-	4	4	4	1	5	-	-	-	74	74	-	18	18	
MONTANA	-	-	-	4	5	5	2	7	-	-	-	42	6,042	-	10	1,208	
NEVADA	1	1	7	192	199	200	111	311	6,000	6,000	2,333	5,334	7,667	333	28	68	
NEW MEXICO	-	-	-	-	-	-	1	1	-	-	-	1	1	-	1	1	
OREGON	-	-	-	1	1	1	1	1	-	-	-	24	74	50	5	12	
SOUTH CAROLINA	-	-	-	5	6	6	3	9	-	-	50	396	396	-	79	79	
SOUTH DAKOTA	-	-	-	5	5	5	3	8	-	-	-	37	37	-	12	12	
UTAH	-	-	-	3	3	3	4	7	-	-	-	-	-	-	27	77	
TOTAL OR AVERAGE	1	1	11	274	286	287	158	445	6,000	6,000	2,583	7,375	15,958	235	27	77	
SILVER																	
ALASKA	-	-	-	3	3	3	1	4	-	-	-	17	17	-	6	6	
CALIFORNIA	-	-	-	2	2	2	3	5	-	-	-	19	19	-	10	10	
CALIFORNIA	-	-	-	5	5	5	4	9	-	-	-	36	36	-	7	7	
TOTAL OR AVERAGE	-	-	-	5	5	5	4	9	-	-	-	36	36	-	7	7	
SILVER																	
ALASKA	-	-	-	19	21	21	2	23	-	-	100	361	461	50	19	22	
ARIZONA	-	-	-	3	3	3	2	5	-	-	-	115	115	100	38	38	
CALIFORNIA	-	-	-	34	35	35	25	60	-	-	100	887	987	100	26	28	
COLORADO	-	-	-	9	9	9	8	17	-	-	-	140	140	-	16	16	
IDAHO	-	-	-	4	4	4	1	5	-	-	-	74	74	-	18	18	
MONTANA	-	-	-	4	5	5	2	7	-	-	-	42	6,042	-	10	1,208	
NEVADA	1	1	7	192	199	200	111	311	6,000	6,000	2,333	5,334	7,667	333	28	68	
NEW MEXICO	-	-	-	-	-	-	1	1	-	-	-	1	1	-	1	1	
OREGON	-	-	-	1	1	1	1	1	-	-	-	24	74	50	5	12	
SOUTH CAROLINA	-	-	-	5	6	6	3	9	-	-	50	396	396	-	79	79	
SOUTH DAKOTA	-	-	-	5	5	5	3	8	-	-	-	37	37	-	12	12	
UTAH	-	-	-	3	3	3	4	7	-	-	-	-	-	-	27	75	
TOTAL OR AVERAGE	1	1	11	279	291	292	162	454	6,000	6,000	2,583	7,411	15,994	235	27	75	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL NFIL						
									TOTAL	PARTIAL				
GOLD-CONTINUED														
TOTAL OR AVERAGE MINING	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	2	19	21	23	-	-	100	361	461	50	19	461	22
ARIZONA	-	-	11	11	18	-	-	-	438	438	-	40	438	40
CALIFORNIA	-	1	38	39	70	-	-	100	1,167	1,167	100	28	1,167	28
COLORADO	-	-	13	13	24	-	-	-	231	231	-	18	231	18
IDAHO	-	-	4	4	5	-	-	-	74	74	-	18	74	18
MONTANA	-	-	10	11	22	-	-	-	63	63	-	6	63	6
NEVADA	1	7	204	211	344	6,000	6,000	2,333	5,564	7,997	333	28	13,997	551
NEW MEXICO	-	-	6	6	10	-	-	-	209	209	-	35	209	35
OREGON	-	-	1	1	1	-	-	-	1	1	-	1	1	1
SOUTH CAROLINA	-	1	5	6	9	-	-	50	24	74	50	5	74	12
SOUTH DAKOTA	4	1	58	63	143	24,000	24,000	75	2,695	2,770	75	46	26,770	425
UTAH	-	3	3	3	7	-	-	-	37	37	-	12	37	12
WASHINGTON	2	1	28	29	71	12,000	12,000	50	986	1,036	50	35	13,036	421
TOTAL OR AVERAGE	7	1	400	414	747	42,000	42,000	2,708	11,850	20,558	208	30	62,558	149
PROCESSING PLANTS														
ALASKA	-	-	4	4	4	-	-	-	10	10	-	2	10	2
ARIZONA	-	-	1	1	2	-	-	-	60	60	-	60	60	60
CALIFORNIA	-	2	25	27	44	-	-	540	939	1,479	270	38	1,479	55
COLORADO	-	-	3	3	13	-	-	-	302	302	-	101	302	101
IDAHO	-	-	1	1	2	-	-	-	10	10	-	10	10	10
MONTANA	-	-	5	5	14	-	-	-	44	44	-	9	44	9
NEVADA	-	-	106	107	191	-	-	50	2,175	2,175	50	20	2,175	20
SOUTH CAROLINA	-	-	4	4	5	-	-	-	37	37	-	9	37	9
SOUTH DAKOTA	-	-	7	7	20	-	-	-	115	115	-	16	115	16
UTAH	-	-	4	4	9	-	-	-	30	30	-	8	30	8
WASHINGTON	-	-	8	8	18	-	-	-	55	55	-	7	55	7
TOTAL OR AVERAGE	-	3	168	171	322	-	-	590	3,727	4,317	197	22	4,317	25
TOTAL OR AVERAGE ALL MINES AND PLANTS														
ALASKA	-	2	23	25	27	-	-	100	371	471	50	16	471	19
ARIZONA	-	-	12	12	20	-	-	-	498	498	-	42	498	42
CALIFORNIA	-	3	63	66	114	-	-	640	2,006	2,646	213	32	2,646	40
COLORADO	-	-	16	16	21	-	-	-	533	533	-	33	533	33
IDAHO	-	-	5	5	7	-	-	-	84	84	-	17	84	17
MONTANA	-	-	20	20	36	-	-	-	107	107	-	7	107	7
NEVADA	1	1	310	318	535	6,000	6,000	2,383	7,789	10,172	298	25	16,172	51
NEW MEXICO	-	-	6	6	10	-	-	-	209	209	-	35	209	35
OREGON	-	-	1	1	1	-	-	-	1	1	-	1	1	1
SOUTH CAROLINA	-	-	9	10	14	-	-	50	61	111	50	7	111	11
SOUTH DAKOTA	4	1	65	66	163	24,000	24,000	75	2,810	2,885	75	43	26,885	384
UTAH	-	-	7	7	16	-	-	-	67	67	-	10	67	10
WASHINGTON	2	1	36	37	89	12,000	12,000	50	1,041	1,091	50	29	13,091	336
TOTAL OR AVERAGE	7	1	568	585	1,069	42,000	42,000	3,298	15,577	24,875	206	27	66,875	113

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
TOTAL	PARTIAL	TOTAL	PARTIAL													
GOLD-CONTINUED: OFFICE: CALIFORNIA----- MONTANA----- NEVADA----- WASHINGTON----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- - - - -	- - - - -	1 2 10 2 15	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
GRAND TOTAL OR AVERAGE: ALASKA----- ARIZONA----- CALIFORNIA----- COLORADO----- IDAHO----- ILLINOIS----- INDIANA----- MISSOURI----- NEVADA----- NEW MEXICO----- OREGON----- SOUTH CAROLINA----- SOUTH DAKOTA----- UTAH----- WASHINGTON----- TOTAL OR AVERAGE-----	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	27 20 115 37 7 38 22 545 10 1 4 14 163 16 91 1,084	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -		
IRON: UNDERGROUND MINES: UNDERGROUND: MISSOURI----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	- - - -	1 - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
SURFACE AT UNDERGROUND: MISSOURI----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	2 2 -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
TOTAL OR AVERAGE: UG: MISSOURI----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	3 2 -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					PERMANENT	TEMPO- RARY	TOTAL NFDL				
IRON-CONTINUED SURFACE MINES: OPEN PIT: MICHIGAN----- MINNESOTA----- TEXAS----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	91 105 3 199	91 105 3 199	91 105 3 199	11 39 1 51	102 144 4 250	- - - -	- - - -	- - - -	4,022 2,677 310 7,009	- - - -	44 25 103 35	44 25 103 35	
TOTAL OR AVERAGE SURFACE MICHIGAN----- MINNESOTA----- TEXAS----- TOTAL OR AVERAGE-----	- - - -	- - - -	91 105 3 199	91 105 3 199	91 105 3 199	11 39 1 51	102 144 4 250	- - - -	- - - -	- - - -	4,022 2,677 310 7,009	- - - -	44 25 103 35	44 25 103 35	
TOTAL OR AVERAGE MINING: MICHIGAN----- MINNESOTA----- MISSOURI----- TEXAS----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	91 105 1 3 200	91 105 1 3 200	91 105 1 3 200	11 39 2 1 53	102 144 3 4 253	- - - -	- - - -	- - - -	4,022 2,677 11 310 7,020	- - - -	44 25 11 103 35	44 25 11 103 35	
INDEPENDENT SHOPS: MICHIGAN----- MINNESOTA----- TOTAL OR AVERAGE-----	- - -	- - -	8 12 20	8 14 22	8 14 22	- 12 12	8 26 34	- -	- -	- -	260 318 578	- 50 50	32 18 24	32 23 26	
PROCESSING PLANTS MICHIGAN----- MINNESOTA----- MISSOURI----- TEXAS----- VIRGINIA----- WEST VIRGINIA----- WISCONSIN----- TOTAL OR AVERAGE-----	- - - - - - -	1 3 1 - - - 5	156 166 1 1 1 4 5 333	157 169 1 1 1 4 5 338	157 169 1 1 1 4 5 338	22 96 - - - 1 5 119	179 265 1 1 1 5 5 457	- -	- -	- -	5,811 5,355 100 1 6 36 114 11,423	50 50 100 - - - 60	37 31 1 1 6 23 33	37 32 100 1 6 9 23 34	

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL			NFDL			FATAL			NFDL			PERMANENT		TEMPORARY	
	PERMANENT	TEMPORARY	TOTAL	PERMANENT	TEMPORARY	TOTAL	PERMANENT	TEMPORARY	TOTAL	PERMANENT	TEMPORARY	TOTAL	PERMANENT	TEMPORARY	TOTAL	TOTAL
IRON (CONTINUED)																
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																
MICHIGAN	1	255	256	256	256	256	33	289	322	50	10,043	10,093	10,093	50	39	39
MINNESOTA	5	283	288	288	288	288	147	435	582	250	8,100	8,350	8,350	50	29	29
MISSOURI	1	4	5	4	4	8	2	6	8	100	311	311	311	100	11	11
TEXAS	1	4	5	4	4	8	1	5	6	-	6	6	6	-	6	6
VIRGINIA	-	4	4	4	4	8	1	1	2	-	36	36	36	-	9	9
WEST VIRGINIA	-	5	5	5	5	10	-	5	5	-	114	114	114	-	23	23
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	7	553	560	560	560	1,120	184	744	928	400	18,621	19,021	19,021	57	34	34
OFFICE																
MICHIGAN	-	1	1	1	1	2	-	1	1	-	32	32	32	-	32	32
TOTAL OR AVERAGE	-	1	1	1	1	2	-	1	1	-	32	32	32	-	32	32
GRAND TOTAL OR AVERAGE:																
MICHIGAN	1	256	257	257	257	514	33	290	323	50	10,075	10,125	10,125	50	39	39
MINNESOTA	5	283	288	288	288	576	147	435	582	250	8,100	8,350	8,350	50	29	29
MISSOURI	1	4	5	4	4	9	2	6	8	100	311	311	311	100	11	11
TEXAS	1	4	5	4	4	9	1	5	6	-	6	6	6	-	6	6
VIRGINIA	-	4	4	4	4	8	1	1	2	-	36	36	36	-	9	9
WEST VIRGINIA	-	5	5	5	5	10	-	5	5	-	114	114	114	-	23	23
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	7	554	561	561	561	1,122	184	745	929	400	18,653	19,053	19,053	57	34	34
LEAD-ZINC																
UNDERGROUND MINES																
COLORADO	3	4	7	7	7	14	2	9	11	150	52	202	202	50	13	29
MISSOURI	-	15	15	15	15	30	21	36	57	-	1,707	1,707	1,707	-	114	114
NEW YORK	-	7	7	7	7	14	2	9	11	-	137	137	137	-	20	20
TENNESSEE	3	30	33	33	33	66	24	57	81	150	1,219	1,369	1,369	50	41	41
TOTAL OR AVERAGE	6	56	62	62	62	124	49	111	160	300	3,115	3,415	3,415	50	56	55
SURFACE AT UNDERGROUND																
COLORADO	-	1	1	1	1	2	-	1	1	-	7	7	7	-	7	7
MISSOURI	-	3	3	3	3	6	-	3	3	-	49	49	49	-	16	16
NEW YORK	-	1	1	1	1	2	-	1	1	-	2	2	2	-	2	2
TENNESSEE	-	1	1	1	1	2	-	1	1	-	61	61	61	-	10	10
TOTAL OR AVERAGE	-	6	6	6	6	12	-	6	6	-	61	61	61	-	10	10

TABLE 7 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPO- RARY	TOTAL NFDI				PERMANENT	TEMPO- RARY	TOTAL NFDI					
															TOTAL
LEAD-ZINC-CONTINUED															
TOTAL OR AVERAGE, U.S.		3	5	8	8	10	2		150	59	209	50	12	26	
COLORADO			18	18	18	45	3				1,756		98	98	
MISSOURI			8	8	8	11	3				140		18	18	
NEW YORK		3	31	34	34	61	27				1,371	50	39	40	
TENNESSEE			62	68	68	127	59		300	3,176	3,476	50	51	51	
TOTAL OR AVERAGE															
SURFACE MINES															
OPEN PIT			1	1	1	1					2		2	2	
ALASKA			1	1	1	1					2		2	2	
WASHINGTON			2	2	2	2					4		2	2	
TOTAL OR AVERAGE															
TOTAL OR AVERAGE, SURFACE															
ALASKA			1	1	1	1					2		2	2	
WASHINGTON			2	2	2	2					4		2	2	
TOTAL OR AVERAGE															
TOTAL OR AVERAGE, MINING															
ALASKA			1	1	1	1					2		2	2	
COLORADO		3	5	8	8	10	2		150	59	209	50	12	26	
MISSOURI			18	18	18	45	3				1,756		98	98	
NEW YORK		3	31	34	34	61	27				140		18	18	
TENNESSEE			1	1	1	1					1,371	50	39	40	
WASHINGTON			64	70	70	129	59		300	3,180	3,480	50	50	50	
TOTAL OR AVERAGE															
PROCESSING PLANTS															
ALASKA			1	1	1	3	2				23		23	23	
ARIZONA			1	1	1	6	5				124		124	124	
MISSOURI			1	1	1	4	3				3		3	3	
NEW YORK			11	11	11	13	8				24		24	24	
PENNSYLVANIA			1	3	3	3	3				476		476	476	
TENNESSEE		2	3	3	3	8	3		612	48	660	306	43	43	
WASHINGTON			19	21	21	41	20				5		5	5	
TOTAL OR AVERAGE															

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT			TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI		
		TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFI				TOTAL								
									TOTAL	PARTIAL							
											TOTAL					PARTIAL	
LEAD-ZINC-CONTINUED TOTAL OR AVERAGE - ALL MINES AND PLANTS		2	2	2	2	4	2										
ALASKA		1	1	1	1	1	1										
ARIZONA		3	5	8	8	10	2										
COLORADO			19	19	19	51	32										
MISSOURI			9	9	9	6	6										
NEW YORK			11	11	11	13	2										
PENNSYLVANIA		5	32	37	37	72	35										
TENNESSEE			4	4	4	4											
WASHINGTON			83	91	91	170	79										
TOTAL OR AVERAGE		8	83	91	91	170	79										
OFFICE																	
ALASKA						1	1										
MISSOURI						1	1										
TOTAL OR AVERAGE						2	2										
GRAND TOTAL OR AVERAGE																	
ALASKA		2	2	2	2	5	3										
ARIZONA		1	1	1	1	10	2										
COLORADO		3	5	8	8	15	33										
MISSOURI			19	19	19	52	6										
NEW YORK			9	9	9	15	2										
PENNSYLVANIA			11	11	11	13	2										
TENNESSEE		5	32	37	37	72	35										
WASHINGTON			4	4	4	4											
TOTAL OR AVERAGE		8	83	91	91	172	81										
MANGANESE																	
PROCESSING PLANTS																	
DELAWARE		3	3	3	3	3	1										
NEW MEXICO			4	4	4	4											
TEXAS			7	7	7	8	1										
TOTAL OR AVERAGE			7	7	7	8	1										
TOTAL OR AVERAGE - ALL MINES AND PLANTS		3	3	3	3	3	1										
DELAWARE						1											
NEW MEXICO			4	4	4	4											
TEXAS			7	7	7	8	1										
TOTAL OR AVERAGE			7	7	7	8	1										

TABLE 7. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MEDI			TOTAL FATAL AND MEDI	NOI	TOTAL INJURIES	FATAL	MEDI			TOTAL FATAL AND MEDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MEDI
		PERMANENT	TOTAL						TOTAL	PARTIAL	TEMPO- RARY				
			TOTAL	PARTIAL											
-	-	3	3	3	1	3	-	-	-	377	377	-	126	126	
MANGANESE-CONTINUED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE	-	-	4	4	4	4	-	-	-	-	502	502	-	126	126
DELAWARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	7	7	7	1	8	-	-	-	879	879	-	126	126
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	7	7	7	1	8	-	-	-	879	879	-	126	126
MOLYBDENUM															
UNDERGROUND MINES															
UNDERGROUND	-	1	13	14	14	13	27	-	-	50	442	492	50	34	25
COLORADO	-	-	10	10	10	15	25	-	-	-	283	283	-	28	28
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	1	23	24	24	28	52	-	-	50	725	775	50	32	32
SURFACE AT UNDERGROUND															
COLORADO	-	-	2	2	2	2	4	-	-	-	32	32	-	16	16
TOTAL OR AVERAGE	-	-	2	2	2	2	4	-	-	-	32	32	-	16	16
TOTAL OR AVERAGE, UG															
COLORADO	-	1	15	16	16	15	31	-	-	50	474	524	50	32	33
NEW MEXICO	-	-	10	10	10	15	25	-	-	-	283	283	-	28	28
TOTAL OR AVERAGE	-	1	25	26	26	30	56	-	-	50	757	807	50	30	31
SURFACE MINES															
OPEN PIT	-	-	3	3	3	4	7	-	-	-	81	81	-	27	27
COLORADO	-	-	7	7	7	3	10	-	-	-	125	125	-	18	18
IDAH0	-	1	2	3	3	3	3	-	-	50	27	77	50	14	26
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	1	12	13	13	7	20	-	-	50	233	283	50	19	22
TOTAL OR AVERAGE, SURFACE															
COLORADO	-	-	3	3	3	4	7	-	-	-	81	81	-	27	27
IDAH0	-	-	7	7	7	3	10	-	-	-	125	125	-	18	18
NEVADA	-	1	2	3	3	3	3	-	-	50	27	77	50	14	26
TOTAL OR AVERAGE	-	1	12	13	13	7	20	-	-	50	233	283	50	19	22

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL INJURIES	LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL		NOL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPORARY	TOTAL NFDL				
POLYMER-CONTAINED															
TOTAL OR AVERAGE															
COLORADO	-	1	18	19	19	38	19	-	50	555	605	50	31	32	
IDAHO	-	-	7	7	7	10	3	-	-	125	125	-	18	18	
NEVADA	-	1	2	3	3	3	3	-	50	27	77	50	14	26	
NEW MEXICO	-	-	10	10	10	25	15	-	-	283	283	-	28	28	
TOTAL OR AVERAGE	-	2	37	39	39	76	37	-	100	990	1,090	50	27	28	
PROCESSING PLANTS															
COLORADO	-	-	7	7	7	10	3	-	-	252	252	-	36	36	
IDAHO	-	-	4	4	4	7	3	-	-	37	37	-	9	9	
NEVADA	-	-	2	2	2	3	1	-	-	3	3	-	2	2	
NEW MEXICO	-	-	1	1	1	6	5	-	-	109	109	-	109	109	
TOTAL OR AVERAGE	-	-	14	14	14	26	12	-	-	401	401	-	29	29	
TOTAL OR AVERAGE, ALL MINES AND PLANTS															
COLORADO	-	1	25	26	26	48	22	-	50	807	857	50	32	33	
IDAHO	-	-	11	11	11	17	6	-	-	162	162	-	15	15	
NEVADA	-	1	4	5	5	6	1	-	50	30	80	50	8	16	
NEW MEXICO	-	-	11	11	11	31	20	-	-	392	392	-	36	36	
TOTAL OR AVERAGE	-	2	51	53	53	102	49	-	100	1,391	1,491	50	27	28	
OFFICE															
NEW MEXICO	-	-	-	-	-	2	2	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	2	2	-	-	-	-	-	-	-	
GRAND TOTAL OR AVERAGE															
COLORADO	-	1	25	26	26	48	22	-	50	807	857	50	32	33	
IDAHO	-	-	11	11	11	17	6	-	-	162	162	-	15	15	
NEVADA	-	1	4	5	5	6	1	-	50	30	80	50	8	16	
NEW MEXICO	-	-	11	11	11	33	22	-	-	392	392	-	36	36	
TOTAL OR AVERAGE	-	2	51	53	53	104	51	-	100	1,391	1,491	50	27	28	
MIDDEL															
SURFACE MINES	-	-	2	2	2	3	1	-	-	74	74	-	37	37	
OPEN PIT	-	-	2	2	2	3	1	-	-	74	74	-	37	37	
OREDRIFT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	3	1	-	-	74	74	-	37	37	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE, FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY			
	FATAL	NFDI				TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI				TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI	
		PERMANENT		TEMPO- RARY	PERMANENT					TEMPO- RARY	TOTAL NFDI							
		TOTAL	PARTIAL		TOTAL							PARTIAL						
-	-	-	2	2	2	1	3	-	-	-	74	74	74	-	37	37	37	
NICKEL-CONTINUED TOTAL OR AVERAGE, SURFACE OREGON	-	-	-	2	2	2	1	3	-	-	-	74	74	74	-	37	37	37
TOTAL OR AVERAGE	-	-	-	2	2	2	1	3	-	-	-	74	74	74	-	37	37	37
TOTAL OR AVERAGE, MINING OREGON	-	-	-	2	2	2	1	3	-	-	-	74	74	74	-	37	37	37
TOTAL OR AVERAGE	-	-	-	2	2	2	1	3	-	-	-	74	74	74	-	37	37	37
TOTAL OR AVERAGE, ALL MINES AND PLANTS OREGON	-	-	-	2	2	2	1	3	-	-	-	74	74	74	-	37	37	37
TOTAL OR AVERAGE	-	-	-	2	2	2	1	3	-	-	-	74	74	74	-	37	37	37
GRAND TOTAL OR AVERAGE OREGON	-	-	-	2	2	2	1	3	-	-	-	74	74	74	-	37	37	37
TOTAL OR AVERAGE	-	-	-	2	2	2	1	3	-	-	-	74	74	74	-	37	37	37
PLATINUM UNDERGROUND MINES UNDERGROUND MONTANA	2	-	2	15	17	19	11	30	12 000	-	675	377	1 052	13 052	338	25	687	687
TOTAL OR AVERAGE	2	-	2	15	17	19	11	30	12 000	-	675	377	1 052	13 052	338	25	687	687
SURFACE AT UNDERGROUND MONTANA	-	-	-	2	2	2	1	3	-	-	-	3	3	3	-	2	2	2
TOTAL OR AVERAGE	-	-	-	2	2	2	1	3	-	-	-	3	3	3	-	2	2	2
TOTAL OR AVERAGE, UG. MONTANA	2	-	2	17	19	21	12	33	12 000	-	675	380	1 055	13 055	338	22	622	622
TOTAL OR AVERAGE	2	-	2	17	19	21	12	33	12 000	-	675	380	1 055	13 055	338	22	622	622
TOTAL OR AVERAGE, MINING MONTANA	2	-	2	17	19	21	12	33	12 000	-	675	380	1 055	13 055	338	22	622	622
TOTAL OR AVERAGE	2	-	2	17	19	21	12	33	12 000	-	675	380	1 055	13 055	338	22	622	622

TABLE 7 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST HOURS					AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NOI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERM NFI PARTIAL	TEMP RISKY	TOTAL FATAL AND NFI
		PERMANENT	TEMP RISKY	TOTAL NFI					PERMANENT	TEMP RISKY	TOTAL NFI				
PLATINUM-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS MONTANA	2	2	17	19	21	12	33	12,000	675	380	1,055	338	22	622	
TOTAL OR AVERAGE	2	2	17	19	21	12	33	12,000	675	380	1,055	338	22	622	
GRAND TOTAL OR AVERAGE MONTANA	2	2	17	19	21	12	33	12,000	675	380	1,055	338	22	622	
TOTAL OR AVERAGE	2	2	17	19	21	12	33	12,000	675	380	1,055	338	22	622	
PORE EARTHS, SURFACE MINES, OPEN PIT CALIFORNIA	-	-	1	1	1	-	1	-	-	6	6	-	6	6	
TOTAL OR AVERAGE	-	-	1	1	1	-	1	-	-	6	6	-	6	6	
TOTAL OR AVERAGE, SURFACE CALIFORNIA	-	-	1	1	1	-	1	-	-	6	6	-	6	6	
TOTAL OR AVERAGE	-	-	1	1	1	-	1	-	-	6	6	-	6	6	
TOTAL OR AVERAGE, MINING, CALIFORNIA	-	-	1	1	1	-	1	-	-	6	6	-	6	6	
TOTAL OR AVERAGE	-	-	1	1	1	-	1	-	-	6	6	-	6	6	
PROCESSING PLANTS CALIFORNIA	-	-	2	2	2	6	8	-	-	53	53	-	26	26	
WASHINGTON	-	-	2	2	2	2	4	-	-	13	13	-	6	6	
TOTAL OR AVERAGE	-	-	4	4	4	8	12	-	-	66	66	-	16	16	
TOTAL OR AVERAGE	-	-	4	4	4	8	12	-	-	66	66	-	16	16	
TOTAL OR AVERAGE, ALL MINES AND PLANTS CALIFORNIA	-	-	3	3	3	6	9	-	-	59	59	-	20	20	
WASHINGTON	-	-	2	2	2	2	4	-	-	13	13	-	6	6	
TOTAL OR AVERAGE	-	-	5	5	5	8	13	-	-	72	72	-	14	14	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1951 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES							LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	MFD			TOTAL FATAL AND MFD	MFL	TOTAL INJURIES	FATAL	MFD			TOTAL FATAL AND MFD	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND MFD		
		PERMANENT	TEMPORARY	TOTAL					TOTAL	PARTIAL	TOTAL					PARTIAL	TOTAL
RAVE EARTHS-CONTINUED																	
GRAND TOTAL OR AVERAGE																	
CALIFORNIA	-	-	3	3	3	5	9	-	-	-	59	59	-	20	20		
WASHINGTON	-	-	2	2	2	2	4	-	-	-	13	13	-	6	6		
TOTAL OR AVERAGE	-	-	5	5	5	8	13	-	-	-	72	72	-	14	14		
SILVER																	
UNDERGROUND MINES																	
ALASKA	-	2	13	15	15	1	16	-	3,450	-	3,921	3,921	1,725	36	261		
IDAHO	-	-	69	69	69	56	125	-	-	-	2,386	2,386	-	35	35		
MONTANA	-	-	7	7	7	2	8	-	-	-	808	808	-	115	115		
NEVADA	-	-	6	6	6	2	8	-	-	-	387	387	-	64	64		
NEW MEXICO	-	-	2	2	2	5	9	-	-	-	63	63	-	32	32		
UTAH	-	-	4	4	4	5	9	-	-	-	57	57	-	14	14		
TOTAL OR AVERAGE	-	2	101	103	103	69	172	-	3,450	-	7,622	7,622	1,725	41	74		
SURFACE AT UNDERGROUND																	
ALASKA	-	-	1	1	1	2	3	-	-	-	5	5	-	5	5		
IDAHO	-	-	7	7	7	1	8	-	-	-	316	316	-	45	45		
MONTANA	-	-	6	6	6	1	7	-	-	-	147	147	-	24	24		
UTAH	-	-	1	1	1	1	2	-	-	-	54	54	-	54	54		
TOTAL OR AVERAGE	-	-	15	15	15	4	19	-	-	-	522	522	-	35	35		
TOTAL OR AVERAGE, UG																	
ALASKA	-	2	14	16	16	3	19	-	3,450	-	3,926	3,926	1,725	34	245		
IDAHO	-	-	76	76	76	57	133	-	-	-	2,702	2,702	-	36	36		
MONTANA	-	-	13	13	13	6	19	-	-	-	955	955	-	73	73		
NEVADA	-	-	6	6	6	2	8	-	-	-	387	387	-	64	64		
NEW MEXICO	-	-	2	2	2	5	10	-	-	-	63	63	-	32	32		
UTAH	-	-	5	5	5	5	10	-	-	-	111	111	-	22	22		
TOTAL OR AVERAGE	-	2	116	118	118	73	191	-	3,450	-	4,634	4,634	1,725	40	69		
SURFACE MINES																	
OPEN PIT	-	-	1	1	1	1	2	-	-	-	32	32	-	32	32		
IDAHO	-	2	5	7	7	3	10	-	100	-	137	237	50	27	34		
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	2	6	8	8	3	11	-	100	-	169	269	50	28	34		

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE, FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL			TOTAL AND FATAL			FATAL			TOTAL AND FATAL			PERMANENT AND PARTIAL	TEMPORARY	
	INJURIES		TOTAL	INJURIES		TOTAL	INJURIES		TOTAL	INJURIES		TOTAL			
	PERMANENT	TEMPORARY		PERMANENT	TEMPORARY		PERMANENT	TEMPORARY		PERMANENT	TEMPORARY				
SILVER CONTINUED															
TOTAL OR AVERAGE SURFACE															
IDAHO	-	-	-	1	7	1	3	10	-	-	-	22	137	22	32
NEVADA	2	5	7	8	8	3	11	169	269	269	50	28	34		
TOTAL OR AVERAGE	2	6	8	8	3	11	100	169	269	269	50	28	34		
TOTAL CR AVERAGE MINING															
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IDAHO	2	14	16	16	3	19	3,450	476	3,926	3,926	1,725	34	245		
MONTANA	-	77	77	77	6	134	-	2,734	2,734	2,734	-	36	73		
NEVADA	2	13	13	13	5	95	100	524	953	953	50	73	73		
NEW MEXICO	-	11	13	13	2	18	-	63	63	63	-	48	48		
UTAH	-	2	2	2	5	2	-	111	111	111	-	22	22		
TOTAL OR AVERAGE	4	122	126	126	76	202	3,550	4,863	8,413	8,413	888	40	67		
PROCESSING PLANTS															
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IDAHO	-	1	1	1	7	1	-	10	10	10	-	10	10		
MONTANA	-	13	13	13	4	20	-	164	164	164	-	13	13		
NEVADA	-	4	4	4	1	8	-	344	344	344	-	86	86		
NEW MEXICO	-	1	1	1	-	2	-	5	5	5	-	5	5		
TOTAL OR AVERAGE	-	20	20	20	12	32	-	541	541	541	-	27	27		
TOTAL CR AVERAGE ALL MINES AND PLANTS															
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IDAHO	2	15	17	17	3	20	3,450	486	3,936	3,936	1,725	32	232		
MONTANA	-	90	90	90	6	154	-	2,898	2,898	2,898	-	32	32		
NEVADA	-	17	17	17	10	27	-	1,293	1,293	1,293	-	76	76		
NEW MEXICO	2	12	14	14	6	20	100	529	629	629	50	44	45		
UTAH	-	3	3	3	5	3	-	81	81	81	-	27	27		
TOTAL OR AVERAGE	4	142	146	146	88	234	3,550	5,404	8,954	8,954	888	22	22		
GRAND TOTAL OR AVERAGE															
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IDAHO	2	15	17	17	3	20	3,450	486	3,936	3,936	1,725	32	232		
MONTANA	-	90	90	90	6	154	-	2,898	2,898	2,898	-	32	32		
NEVADA	2	17	17	17	10	27	100	1,293	1,293	1,293	50	76	76		
NEW MEXICO	-	12	14	14	6	20	-	529	629	629	-	44	45		
UTAH	-	3	3	3	5	3	-	81	81	81	-	27	27		
TOTAL OR AVERAGE	4	142	146	146	88	234	3,550	5,404	8,954	8,954	888	22	22		

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY	TOTAL NFDL				
		TOTAL	PARTIAL							TOTAL	PARTIAL						
TITANIUM: SURFACE MINES: DREDGE: FLORIDA-----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
TOTAL OR AVERAGE----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
TOTAL OR AVERAGE, SURFACE: FLORIDA-----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
TOTAL OR AVERAGE----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
TOTAL OR AVERAGE, MINING: FLORIDA-----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
TOTAL OR AVERAGE----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
TOTAL OR AVERAGE, ALL MINES AND PLANTS: FLORIDA-----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
TOTAL OR AVERAGE----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
GRAND TOTAL OR AVERAGE: FLORIDA-----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
TOTAL OR AVERAGE----	-	-	-	3	3	3	2	5	-	-	-	102	102	102	-	34	34
TUNGSTEN: UNDERGROUND MINES: SURFACE AT UNDERGROUND: NEVADA-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
TOTAL OR AVERAGE----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
TOTAL OR AVERAGE, UG: NEVADA-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
TOTAL OR AVERAGE----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
TOTAL OR AVERAGE, MINING: NEVADA-----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29
TOTAL OR AVERAGE----	-	-	-	1	1	1	-	1	-	-	-	29	29	29	-	29	29

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFOL			TOTAL FATAL AND NFOL	NOL	TOTAL INJURIES	FATAL	NFOL			TOTAL FATAL AND NFOL	PERMA NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFOL	
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	PARTIAL	TOTAL					
																TOTAL
TUNGSTEN-CONTINUED: PROCESSING PLANTS: CALIFORNIA-----	-	-	-	1	1	-	-	-	-	-	-	10	10	-	10	10
TOTAL OR AVERAGE----	-	-	-	1	1	-	-	-	-	-	-	10	10	-	10	10
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA-----	-	-	-	1	1	-	-	-	-	-	-	10	10	-	10	10
NEVADA-----	-	-	-	1	1	-	-	-	-	-	-	29	29	-	29	29
TOTAL OR AVERAGE----	-	-	-	2	2	-	-	-	-	-	-	39	39	-	20	20
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA-----	-	-	-	1	1	-	-	-	-	-	-	10	10	-	10	10
NEVADA-----	-	-	-	1	1	-	-	-	-	-	-	29	29	-	29	29
TOTAL OR AVERAGE----	-	-	-	2	2	-	-	-	-	-	-	39	39	-	20	20
URANIUM: UNDERGROUND MINES: ARIZONA-----	-	-	-	3	3	-	-	-	-	-	-	16	16	-	5	5
TOTAL OR AVERAGE----	-	-	-	3	3	-	-	-	-	-	-	16	16	-	5	5
SURFACE AT UNDERGROUND: ARIZONA-----	-	-	-	1	1	-	-	-	-	-	-	19	19	-	19	19
NEW MEXICO-----	-	-	-	1	1	-	-	-	-	-	-	78	78	-	78	78
TOTAL OR AVERAGE----	-	-	-	2	2	-	-	-	-	-	-	97	97	-	48	48
TOTAL OR AVERAGE, U.S.:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA-----	-	-	-	4	4	-	-	-	-	-	-	35	35	-	9	9
NEW MEXICO-----	-	-	-	1	1	-	-	-	-	-	-	78	78	-	78	78
TOTAL OR AVERAGE----	-	-	-	5	5	-	-	-	-	-	-	113	113	-	23	23
SURFACE MINES: OPEN PIT: TEXAS-----	-	-	-	8	8	-	-	-	-	-	-	238	238	-	30	30
WYOMING-----	-	-	-	9	9	-	-	-	-	-	-	269	269	-	30	30
TOTAL OR AVERAGE----	-	-	-	17	17	-	-	-	-	-	-	507	507	-	30	30

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TOTAL						TEMPO- RARY	TOTAL NFDL					
			TOTAL	PARTIAL											
URANIUM-CONTINUED:															
TOTAL OR AVERAGE SURFACE:	-	8	8	8	17	17	1	9	-	238	238	238	-	30	30
TEXAS:	-	9	9	9	-	-	-	9	-	269	269	269	-	30	30
WYOMING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	17	17	17	17	17	1	18	-	507	507	507	-	30	30
TOTAL OR AVERAGE MINING:															
ARIZONA:	-	4	4	4	4	4	3	7	-	35	35	35	-	9	9
NEW MEXICO:	-	1	1	1	1	1	1	1	-	78	78	78	-	78	78
TEXAS:	-	8	8	8	8	8	1	9	-	238	238	238	-	30	30
WYOMING:	-	9	9	9	9	9	-	9	-	269	269	269	-	30	30
TOTAL OR AVERAGE:	-	22	22	22	22	22	4	26	-	620	620	620	-	28	28
PROCESSING PLANTS:															
NEW MEXICO:	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-
TEXAS:	-	4	4	4	4	4	3	7	-	42	42	42	-	10	10
UTAH:	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-
WYOMING:	-	6	6	6	6	6	-	6	-	509	509	509	-	85	85
TOTAL OR AVERAGE:	-	10	10	10	10	10	7	17	-	551	551	551	-	55	55
TOTAL OR AVERAGE ALL MINES AND PLANTS:															
ARIZONA:	-	4	4	4	4	4	3	7	-	35	35	35	-	9	9
NEW MEXICO:	-	1	1	1	1	1	2	3	-	78	78	78	-	78	78
TEXAS:	-	12	12	12	12	12	4	16	-	280	280	280	-	23	23
UTAH:	-	2	2	2	2	2	2	2	-	778	778	778	-	52	52
WYOMING:	-	15	15	15	15	15	-	15	-	1,171	1,171	1,171	-	37	37
TOTAL OR AVERAGE:	-	32	32	32	32	32	11	43	-	1,171	1,171	1,171	-	37	37
OFFICE:															
TEXAS:	-	1	1	1	1	1	1	2	-	7	7	7	-	7	7
TOTAL OR AVERAGE:	-	1	1	1	1	1	1	2	-	7	7	7	-	7	7
GRAND TOTAL OR AVERAGE:															
ARIZONA:	-	4	4	4	4	4	3	7	-	35	35	35	-	9	9
NEW MEXICO:	-	1	1	1	1	1	2	3	-	78	78	78	-	78	78
TEXAS:	-	13	13	13	13	13	5	18	-	287	287	287	-	22	22
UTAH:	-	-	-	-	-	-	2	2	-	778	778	778	-	52	52
WYOMING:	-	15	15	15	15	15	-	15	-	1,178	1,178	1,178	-	36	36
TOTAL OR AVERAGE:	-	33	33	33	33	33	12	45	-	1,178	1,178	1,178	-	36	36

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TOTAL					TEMPO- RARY	TOTAL NFDL					
		TOTAL	PARTIAL												
ZIRCON: PROCESSING PLANTS: NEW JERSEY-----	-	-	-	1	1	-	-	-	-	-	1	-	-	1	1
TOTAL OR AVERAGE-----	-	-	-	1	1	-	-	-	-	-	1	-	-	1	1
TOTAL OR AVERAGE ALL MINES AND PLANTS: NEW JERSEY-----	-	-	-	1	1	-	-	-	-	-	1	-	-	1	1
TOTAL OR AVERAGE-----	-	-	-	1	1	-	-	-	-	-	1	-	-	1	1
GRAND TOTAL OR AVERAGE: NEW JERSEY-----	-	-	-	1	1	-	-	-	-	-	1	-	-	1	1
TOTAL OR AVERAGE-----	-	-	-	1	1	-	-	-	-	-	1	-	-	1	1
ALL METALLIC MINERALS: UNDERGROUND MINES: UNDERGROUND:	-	-	-	13	58	-	-	-	-	-	471	3,450	-	3,921	261
ALASKA-----	-	2	-	59	3	-	-	-	-	-	2,531	1,075	-	3,606	57
ARIZONA-----	-	4	-	3	17	-	-	-	-	-	179	200	-	179	60
CALIFORNIA-----	-	-	-	23	69	-	-	-	-	-	529	200	-	729	32
COLORADO-----	-	-	-	69	87	-	-	-	-	-	2,386	200	-	2,386	35
IDAHO-----	-	-	-	83	87	-	-	-	-	-	2,034	200	-	3,134	35
MICHIGAN-----	-	-	-	16	16	-	-	-	-	-	1,718	675	-	1,718	107
MISSOURI-----	-	-	-	29	29	-	-	-	-	-	1,203	675	-	1,878	448
MONTANA-----	-	-	-	15	15	-	-	-	-	-	680	620	-	620	41
NEVADA-----	-	-	-	23	23	-	-	-	-	-	680	620	-	680	30
NEW MEXICO-----	-	-	-	7	7	-	-	-	-	-	137	137	-	137	20
NEW YORK-----	-	-	-	3	3	-	-	-	-	-	25	25	-	25	8
OREGON-----	-	-	-	49	50	-	-	-	-	-	2,221	75	-	2,296	487
SOUTH DAKOTA-----	-	-	-	30	33	-	-	-	-	-	1,219	150	-	1,369	41
TENNESSEE-----	-	-	-	4	4	-	-	-	-	-	57	50	-	57	14
UTAH-----	-	-	-	23	24	-	-	-	-	-	682	50	-	732	490
WASHINGTON-----	-	-	-	21	464	-	-	-	-	-	17,592	5,875	-	23,467	151
TOTAL OR AVERAGE-----	8	21	-	443	472	-	48,000	851	-	-	379	5,875	-	71,467	40

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY						TOTAL NFDL						
			TOTAL	PARTIAL											
										TOTAL	PARTIAL				
ALL METALLIC-CONTINUED: SURFACE AT UNDERGROUND:															
ALASKA	-	-	1	-	1	2	3	-	-	-	-	-	-	5	5
ARIZONA	-	1	12	-	13	10	22	-	-	50	-	50	45	46	
CALIFORNIA	-	-	1	-	1	3	1	-	-	-	-	-	1	1	
COLORADO	-	-	5	-	5	8	8	-	-	-	-	-	19	19	
IDAHO	-	-	7	-	7	14	24	-	-	-	-	-	45	45	
MICHIGAN	-	-	10	-	10	1	1	-	-	-	-	-	30	30	
MISSOURI	-	-	3	-	3	8	11	-	-	-	-	-	16	16	
MONTANA	-	-	9	-	9	4	13	-	-	-	-	-	17	17	
NEVADA	-	-	4	-	4	3	7	-	-	-	-	-	32	32	
NEW MEXICO	-	-	2	-	2	2	2	-	-	-	-	-	61	61	
NEW YORK	-	-	1	-	1	1	2	-	-	-	-	-	3	3	
OREGON	-	-	1	-	1	1	1	-	-	-	-	-	11	11	
SOUTH DAKOTA	-	-	4	-	4	5	9	-	-	-	-	-	20	20	
TENNESSEE	-	-	1	-	1	3	4	-	-	-	-	-	2	2	
UTAH	-	-	1	-	1	8	13	-	-	-	-	-	54	54	
WASHINGTON	-	-	5	-	5	8	13	-	-	-	-	-	61	61	
TOTAL OR AVERAGE	-	1	66	67	133	62	129	-	50	2,117	2,167	50	32	32	
TOTAL OR AVERAGE UG:															
ALASKA	-	-	14	-	16	3	19	-	-	-	-	-	34	34	
ARIZONA	-	2	70	-	72	48	123	-	-	-	-	-	43	43	
CALIFORNIA	-	5	4	-	9	6	10	-	-	-	-	-	45	45	
COLORADO	-	-	24	-	28	20	48	-	-	-	-	-	26	26	
IDAHO	-	-	76	-	76	57	133	-	-	-	-	-	36	36	
MICHIGAN	-	-	93	-	97	54	151	-	-	-	-	-	35	35	
MISSOURI	-	-	19	-	19	29	48	-	-	-	-	-	93	93	
MONTANA	-	-	36	-	38	27	67	-	-	-	-	-	38	38	
NEVADA	2	2	19	-	19	23	42	-	12,000	675	2,031	14,031	351	351	
NEW MEXICO	-	-	25	-	25	20	45	-	-	-	-	-	39	39	
NEW YORK	-	-	8	-	8	3	11	-	-	-	-	-	32	32	
OREGON	-	-	4	-	4	2	6	-	-	-	-	-	18	18	
SOUTH DAKOTA	-	-	53	-	54	77	135	-	-	-	-	-	43	43	
TENNESSEE	4	1	31	-	34	27	61	-	24,000	150	1,371	26,374	39	39	
UTAH	-	3	5	-	5	5	10	-	-	-	-	-	22	22	
WASHINGTON	-	-	28	-	29	40	71	-	12,000	50	1,036	13,036	35	35	
TOTAL OR AVERAGE	8	22	509	531	1,040	441	980	48,000	5,925	19,709	25,634	269	39	137	

TABLE 7 - NUMBER OF INJURIES, LOSS HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOSS HOURS						AVERAGE SEVERITY			
	FATAL	NFDL		TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
		PERMANENT	TEMPO- RARY					PERMANENT	TEMPO- RARY							
ALL METALLIC-CONTINUED: SURFACE MINES OPEN PIT:																
ALASKA	3	2	17	19	19	20	18,000	100	346	446	446	50	20	23		
ARIZONA	-	2	86	90	93	174	6,000	650	2,638	3,308	21,308	325	30	229		
CALIFORNIA	-	1	33	34	34	22	18,000	100	874	974	21,974	100	26	29		
COLORADO	-	-	12	12	12	12	6,000	100	221	221	221	-	18	18		
IDAHO	-	-	12	12	12	16	6,000	100	231	231	231	-	19	19		
MICHIGAN	-	-	91	91	91	102	6,000	100	4,022	4,022	4,022	-	44	44		
MINE-SOTA	-	-	105	105	105	144	6,000	100	2,677	2,677	2,677	-	25	25		
MONTANA	1	1	7	8	9	15	6,000	100	96	6,096	12,096	-	14	14		
NEVADA	-	10	216	226	227	243	6,000	2,483	5,660	8,143	14,143	248	26	62		
NEW MEXICO	1	1	11	12	12	29	6,000	75	671	746	746	75	61	62		
OREGON	-	1	3	3	3	4	6,000	100	75	75	75	75	25	25		
SOUTH CAROLINA	-	1	3	3	3	8	6,000	100	24	396	396	50	79	79		
SOUTH DAKOTA	-	-	5	5	5	9	6,000	100	36	548	548	50	56	55		
TEXAS	-	1	11	11	11	13	6,000	50	554	604	604	50	55	55		
UTAH	-	-	10	11	11	36	6,000	2	2	2	2	-	30	30		
WASHINGTON	-	-	9	9	9	9	6,000	269	269	269	269	-	30	30		
WYOMING	-	-	9	9	9	9	6,000	269	269	269	269	-	30	30		
TOTAL OR AVERAGE	5	1	636	655	660	996	30,000	3,508	19,324	28,832	58,832	195	30	88		
OPEN PIT:																
ALASKA	-	-	3	3	3	4	6,000	100	17	17	17	-	6	6		
ARIZONA	-	-	3	3	3	5	6,000	100	19	19	19	-	10	10		
CALIFORNIA	-	-	3	3	3	5	6,000	100	102	102	102	-	24	24		
FLORIDA	-	-	8	8	8	14	6,000	138	138	138	138	-	17	17		
TOTAL OR AVERAGE	-	-	8	8	8	14	6,000	100	138	138	138	-	17	17		
SURFACE:																
ALASKA	-	2	20	22	22	24	18,000	100	363	463	463	50	18	21		
ARIZONA	3	2	86	90	93	167	6,000	650	2,638	3,308	21,308	325	30	229		
CALIFORNIA	-	1	35	36	36	61	6,000	100	893	993	21,993	100	26	28		
COLORADO	-	-	12	12	12	24	6,000	100	221	221	221	-	18	18		
FLORIDA	-	-	3	3	3	5	6,000	100	102	102	102	-	34	34		
IDAHO	-	-	12	12	12	16	6,000	100	231	231	231	-	19	19		
MICHIGAN	-	-	91	91	91	102	6,000	100	4,022	4,022	4,022	-	44	44		
MINE-SOTA	-	-	105	105	105	144	6,000	100	2,677	2,677	2,677	-	25	25		
MONTANA	1	1	7	8	9	15	6,000	100	96	6,096	12,096	-	14	14		
NEVADA	-	10	216	226	227	243	6,000	2,483	5,660	8,143	14,143	248	26	62		
NEW MEXICO	1	1	11	12	12	29	6,000	75	671	746	746	75	61	62		
OREGON	-	1	3	3	3	4	6,000	100	75	75	75	75	25	25		
SOUTH CAROLINA	-	1	3	3	3	8	6,000	100	24	396	396	50	79	79		
SOUTH DAKOTA	-	-	5	5	5	9	6,000	100	36	548	548	50	56	55		
TEXAS	-	1	11	11	11	13	6,000	50	554	604	604	50	55	55		
UTAH	-	-	10	11	11	36	6,000	2	2	2	2	-	30	30		
WASHINGTON	-	-	9	9	9	9	6,000	269	269	269	269	-	30	30		
WYOMING	-	-	9	9	9	9	6,000	269	269	269	269	-	30	30		
TOTAL OR AVERAGE	5	1	644	663	668	996	30,000	6,000	3,508	19,462	28,970	195	30	88		

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL FATAL AND NFDL	TOTAL NFDL	TOTAL FATAL AND NFDL				
ALL METALLIC-CONTINUED.														
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA-----	3	-	4	34	38	43	18,000	-	3,550	839	4,389	4,389	888	25
CALIFORNIA-----	-	-	7	158	165	290	-	-	1,775	5,686	7,461	25,461	254	36
COLORADO-----	-	-	1	39	40	71	-	-	100	1,073	1,173	1,173	100	28
FLORIDA-----	-	-	4	36	40	72	-	-	200	845	1,045	1,045	50	23
IDAHO-----	-	-	-	3	3	5	-	-	-	102	102	102	-	34
ILLINOIS-----	-	-	-	88	88	149	-	-	-	2,933	2,933	2,933	-	33
INDIANA-----	-	-	-	184	188	253	-	-	200	7,257	7,457	7,457	50	39
MICHIGAN-----	-	-	4	105	105	144	-	-	-	2,677	2,677	2,677	-	25
MINNESOTA-----	-	-	-	19	19	48	-	-	-	1,767	1,767	1,767	-	93
MISSOURI-----	-	-	-	43	46	82	18,000	6,000	675	1,452	8,127	26,127	338	34
MONTANA-----	3	1	2	225	245	385	6,000	-	2,483	6,406	8,889	14,889	248	27
NEVADA-----	1	10	10	36	37	74	-	-	75	1,473	1,548	1,548	75	41
NEW MEXICO-----	-	-	1	8	8	11	-	-	-	140	140	140	-	18
NEW YORK-----	-	-	-	7	7	10	-	-	-	111	111	111	-	16
OREGON-----	-	-	-	5	6	9	-	-	50	24	74	74	50	12
SOUTH CAROLINA-----	-	-	1	58	59	9	-	-	50	2,655	2,770	26,770	75	45
SOUTH DAKOTA-----	4	-	1	31	34	61	24,000	-	150	1,221	1,371	1,371	50	39
TENNESSEE-----	-	-	3	11	11	13	-	-	-	548	548	548	-	50
TEXAS-----	-	-	-	15	16	46	-	-	50	665	715	715	50	44
UTAH-----	-	-	1	29	30	72	12,000	-	50	988	1,038	13,038	50	34
WASHINGTON-----	2	-	1	9	9	9	-	-	-	269	269	269	-	30
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	13	1	40	1,153	1,194	1,990	78,000	6,000	9,433	39,171	54,604	132,604	236	34
INDEPENDENT SECTORS:														
MICHIGAN-----	-	-	2	8	8	8	-	-	-	260	260	260	-	32
MINNESOTA-----	-	-	2	12	14	26	-	-	100	218	318	318	50	18
TOTAL OR AVERAGE-----	-	-	2	20	22	34	-	-	100	478	578	578	50	24
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	26

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY							
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL					
		PERMANENT	TEMPO- RARY	TOTAL NFDL					PERMANENT	TEMPO- RARY	TOTAL NFDL									
																TOTAL	PARTIAL	TOTAL	PARTIAL	TOTAL
ALL METALLIC-CONTINUED: PROCESSING PLANTS:																				
ALASKA	-	-	-	-	-	2	8	-	-	-	-	43	-	-	7					
ARIZONA	-	-	6	45	6	89	134	-	-	-	-	1,896	160	37	42					
ARKANSAS	-	2	43	47	45	23	94	-	-	-	-	995	50	21	21					
CALIFORNIA	-	2	28	30	30	23	53	-	-	-	-	1,542	270	36	55					
COLORADO	-	-	10	10	10	13	23	-	-	-	-	554	-	126	126					
DELAWARE	-	-	3	3	3	-	3	-	-	-	-	377	-	12	12					
IDAHO	-	-	18	18	18	11	29	-	-	-	-	211	300	27	43					
LOUISIANA	-	-	16	17	17	23	40	-	-	-	-	739	50	37	37					
MICHIGAN	-	1	160	161	161	23	186	-	-	-	-	6,034	50	31	32					
MINNESOTA	-	3	166	169	169	96	265	-	-	-	-	5,355	100	3	52					
MISSOURI	-	1	1	2	2	5	7	-	-	-	-	103	50	32	33					
MONTANA	-	1	15	16	16	18	34	-	-	-	-	528	50	20	20					
NEVADA	-	1	109	110	110	86	196	-	-	-	-	2,183	50	1	1					
NEW JERSEY	-	-	1	1	1	1	1	-	-	-	-	1	100	93	94					
NEW MEXICO	-	1	9	10	10	15	25	-	-	-	-	937	24	24	24					
NEW YORK	-	-	1	1	1	3	4	-	-	-	-	24	-	200	200					
OREGON	-	-	2	2	2	-	2	-	-	-	-	401	-	43	43					
PENNSYLVANIA	-	-	11	11	11	2	13	-	-	-	-	476	-	9	9					
SOUTH CAROLINA	-	-	4	4	4	1	5	-	-	-	-	37	-	16	16					
SOUTH DAKOTA	-	-	7	7	7	13	20	-	-	-	-	115	-	48	48					
TENNESSEE	-	2	86	89	89	8	11	-	-	-	-	660	306	15	220					
TEXAS	-	3	11	11	11	76	165	-	-	-	-	6,587	833	41	41					
UTAH	-	-	89	89	89	21	32	-	-	-	-	454	-	68	68					
VIRGIN ISLANDS	-	-	4	4	4	4	4	-	-	-	-	270	-	6	6					
VIRGINIA	-	-	4	4	4	1	1	-	-	-	-	6	-	6	6					
WASHINGTON	-	-	13	13	13	12	25	-	-	-	-	73	-	9	9					
WEST VIRGINIA	-	-	4	4	4	1	5	-	-	-	-	36	-	23	23					
WISCONSIN	-	-	5	5	5	1	5	-	-	-	-	114	-	85	85					
WYOMING	-	-	6	6	6	-	6	-	-	-	-	509	-	34	39					
TOTAL OR AVERAGE	-	19	787	806	806	590	1,396	-	-	-	-	26,439	254	34	39					

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL	PARTIAL	TOTAL NFDL				
ALL METALLIC CONTINUED: TOTAL OR AVERAGE ALL MINES AND PLANTS														
ALASKA	3	4	40	44	44	7	18,000	3,550	882	4,432	888	22	101	
ARIZONA		9	201	210	213	211		2,095	7,262	9,357	233	36	128	
ARKANSAS		1	46	47	47	94		50	945	995	50	21	21	
CALIFORNIA		3	67	70	70	54		640	2,075	2,715	213	31	39	
COLORADO		4	46	50	50	45		200	1,599	1,599	50	30	32	
DELAWARE			3	3	3	3			377	377		126	126	
FLORIDA			3	3	3	2			102	102		34	34	
IDAHO			106	106	106	72			3,144	3,144		30	30	
ILLINOIS		1	16	17	17	23		300	439	739	300	27	43	
INDIANA		5	357	357	357	447		250	13,751	13,751	50	36	39	
MICHIGAN		5	263	268	268	147		250	8,350	8,350	50	29	29	
MINNESOTA		1	20	21	21	34		100	1,770	1,870	100	88	89	
MISSOURI		3	58	62	62	55	18,000	725	1,931	8,656	242	33	410	
MONTANA	3	1	344	355	356	115	6,000	2,533	8,539	11,072	230	25	48	
NEVADA	1	11	1	1	1	581			1	1		1	1	
NEW JERSEY		2	45	47	47	52		175	2,310	2,485	88	51	53	
NEW MEXICO			9	9	9	15			164	164		18	18	
NEW YORK			9	9	9	3			512	512		57	57	
OREGON			11	11	11	12			476	476		43	43	
PENNSYLVANIA		1	9	10	10	14		50	61	111	50	7	11	
SOUTH CAROLINA		1	65	66	70	163	24,000	75	2,810	2,885	75	43	43	
SOUTH DAKOTA	4	5	32	37	37	72		762	1,269	2,031	152	40	55	
TENNESSEE		3	97	100	100	178		2,500	4,635	7,135	833	48	71	
TEXAS		1	26	27	27	78		50	1,119	1,169	50	43	43	
UTAH			4	4	4	4			270	270		68	68	
VIRGIN ISLANDS			1	1	1	1			6	6		6	6	
VIRGINIA			42	43	45	97	12,000	50	1,061	1,111	50	25	291	
WASHINGTON	2	1	4	4	4	5			36	36		9	9	
WEST VIRGINIA			5	5	5	5			114	114		23	23	
WISCONSIN			15	15	15	15			778	778		52	52	
WYOMING														
TOTAL OR AVERAGE	13	1	1,960	2,022	2,035	3,420	78,000	5,000	14,355	56,088	85,443	235	34	81
OFFICE														
ALASKA						1								
CALIFORNIA			1	1	1	1								
MICHIGAN			1	1	1	1								
MISSOURI			2	2	2	2								
MONTANA			6	6	6	10								
NEVADA			1	1	1	2								
NEW MEXICO			1	1	1	2								
TEXAS			8	8	8	14								
WASHINGTON														
TOTAL OR AVERAGE						22								

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY							
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOI	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFIDL					
		PERMANENT	TEMPO RARY	TOTAL NFIDL					PERMANENT	TEMPO RARY	TOTAL NFIDL									
																TOTAL	PARTIAL	TOTAL	PARTIAL	TOTAL
ALL METALLIC CONTINUED																				
GRAND TOTAL OR AVERAGE																				
ALASKA					44	8	52	18,000		3,550	882	4,432	888	22	101					
ARIZONA	3	4	40	44	213	211	424		2,095	1,262	1,262	27,357	233	36	128					
ARKANSAS		9	201	210	47	47	94		50	945	945	2,715	50	21	21					
CALIFORNIA		3	46	47	70	56	125		640	2,075	2,075	1,598	213	31	39					
COLORADO		3	67	70	50	45	95		200	1,388	1,388	1,598	50	30	32					
DELAWARE		4	46	50	3	3	5			377	377	1,02		126	126					
FLORIDA			3	3	3	2	5			102	102	3,144		34	34					
IDAHO			106	106	17	72	178			3,144	3,144	13,783	300	27	43					
ILLINOIS		1	15	17	17	23	40		300	439	439	13,783	50	38	38					
LOUISIANA		5	353	358	358	147	448		250	8,350	8,350	1,870	100	29	29					
MICHIGAN		5	283	288	288	147	435		100	1,770	1,770	8,656	242	88	88					
MINNESOTA		1	20	21	21	35	56	18,000		725	1,931	17,113	230	25	47					
MISSOURI	3	1	58	60	62	53	118	6,000	2,533	8,580	11,113	1		1	1					
MONTANA	1	11	350	361	362	229	591													
NEVADA			1	1	47	54	101		175	2,310	2,485	2,485	88	51	53					
NEW JERSEY		2	45	47	9	6	15			164	164	512		18	18					
NEW MEXICO			9	9	9	3	12			512	512	476		57	57					
NEW YORK			9	9	9	3	12			476	476	111		43	43					
OREGON			11	11	11	2	13			61	61	26,885	50	7	11					
PENNSYLVANIA			9	10	10	4	14		50	2,810	2,885	26,885	75	43	384					
SOUTH CAROLINA		1	65	66	70	93	163	24,000		75	75	2,031	152	40	55					
SOUTH DAKOTA	4	1	32	33	37	35	72		762	1,269	1,269	7,142	833	47	71					
TENNESSEE		5	98	101	101	79	180		2,500	4,642	4,642	1,169	50	43	43					
TEXAS		3	26	27	27	51	78		50	1,119	1,119	1,169	50	68	68					
UTAH		1	26	27	27	4	4			270	270	6		6	6					
VIRGIN ISLANDS			4	4	4	1	5			6	6	13,111	50	25	25					
VIRGINIA			1	1	1	1	1	12,000	50	1,061	1,061	1,111		9	9					
WASHINGTON	2	1	42	43	45	54	99			36	36	36		23	23					
WEST VIRGINIA			4	4	4	4	5			114	114	778		52	52					
WISCONSIN			5	5	5	5	5			778	778									
WYOMING			15	15	15	15	15													
TOTAL OR AVERAGE	13	1	1,968	2,030	2,043	1,399	3,442	78,000	6,000	14,355	65,168	86,523	235	34	81					

TABLE 8 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES					
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NDI	TOTAL INJURIES	FATAL	NFIDL	ALL FATAL AND NFIDL	NDI	ALL INJURIES	FATAL	NFIDL	ALL FATAL AND NFIDL		
		PERMANENT	TEMPORARY	TOTAL NFIDL													
																TOTAL	PARTIAL
UNDERGROUND MINES:																	
UNDERGROUND:																	
EAR	-	-	-	1	1	1	5	6	.02	.02	.08	.09	-	(*)	(*)		
EYE	-	-	-	13	14	14	59	73	.21	.21	.90	1	-	14	14		
FACE	-	-	-	-	-	-	4	4	-	-	.06	.06	-	-	-		
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	22	22	-	-	.33	.33	-	-	-		
NOSE	-	-	-	-	-	-	2	2	-	-	.03	.03	-	-	-		
SCALP	-	-	-	-	-	-	3	3	-	-	.05	.05	-	-	-		
FACE, NEC	-	-	-	3	3	3	10	13	.05	.05	.15	.20	-	4	4		
HEAD, NEC	-	-	-	7	7	7	8	18	.11	.11	.27	.39	91	1	1	92	
NECK	2	-	-	12	12	14	1	15	.03	.18	.02	.23	182	5	5	187	
ELBOW	-	-	-	8	8	8	8	16	.12	.12	.12	.24	-	5	5		
FOREARM	-	-	-	4	4	4	20	24	-	.06	.30	.36	-	1	1		
WRIST	-	-	-	4	4	4	12	16	.06	.06	.18	.24	-	2	2		
HAND	-	-	-	13	13	13	27	40	.20	.20	.41	.61	-	4	4		
FINGER(S)	-	-	-	34	41	41	98	139	.62	.62	1	.49	-	25	25		
UPPER EXTREMITIES, NEC	-	-	-	9	9	9	7	16	.14	.14	.11	.24	-	6	6		
ABDOMEN	-	-	-	1	1	1	-	1	.02	.02	-	.02	-	(*)	(*)		
BACK	-	-	-	113	113	113	22	135	1.71	1.71	.33	.05	-	76	76		
CHEST	-	-	-	8	8	8	7	15	.12	.12	.11	.24	91	8	8	99	
PELVIC REGION	1	-	-	14	25	25	3	28	.38	.38	.05	.42	-	21	21		
SHOULDER(S)	-	-	-	20	20	20	6	26	.30	.30	.09	.39	-	12	12		
TRUNK, NEC	-	-	-	4	4	4	4	4	.06	.06	.06	.06	-	-	-		
THIGH	-	-	-	3	3	3	2	5	.05	.05	.03	.08	-	1	1		
KNEE	-	-	-	28	28	28	6	36	.42	.42	.12	.55	-	29	29		
LOWER LEG	-	-	-	10	11	11	1	12	.17	.17	.02	.18	-	49	49		
ANKLE	-	-	-	35	35	35	5	40	.53	.53	.08	.61	-	18	18		
FOOT	-	-	-	32	32	32	12	44	.49	.49	.18	.67	-	19	19		
TOE(S)	-	-	-	4	5	5	3	8	.08	.08	.05	.12	-	8	8		
LOWER EXTREMITIES, NEC	-	-	-	16	16	16	2	18	.24	.24	.03	.27	-	7	7		
BODY SYSTEMS	-	-	-	4	4	4	4	4	.06	.06	.18	.90	364	(*)	(*)		
MULTIPLE PARTS OF BODY	4	-	-	43	43	47	12	59	.65	.71	.18	.90	-	37	402		
TOTAL OR AVERAGE	8	-	-	443	464	472	379	851	7.04	7.16	5.75	12.91	728	356	1,084		

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES						
	FATAL	PERMANENT		TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL	
		NFDL															
		TOTAL	PARTIAL														
SURFACE AT UNDERGROUND:																	
EAR				1	2	1		1	2	5		1	06	06	28	06	(*)
EYE				2	2	7		2	11	11		11	11	39	11	(*)	
MOUTH/TEETH/TONGUE				1	1	2		1		2			06	06	11		(*)
NOSE				1	1	1		1		1			06	06	06		
FACE, NEC				3	3	7		1	17	17		17	22	39	06	1	1
HEAD, NEC				2	2	4		1	11	11		11	22	06	11	6	6
NECK				1	1	3		1	06	06		06	11	17	06	1	1
UPPER ARM				3	3	9		3	34	34		34	17	50	34	3	3
ELBOW				6	6	26		26	89	89		89	28	145	08	9	9
HAND				16	16	21		21	34	34		34	17	17	06	20	20
FINGERS				5	5	6		6	22	22		22	06	11	06	17	17
UPPER EXTREMITIES, NEC				1	1	4		4	06	06		06	11	22	06	14	14
BACK				3	3	8		8	28	28		28	17	45	11	13	13
PELVIC REGION				1	1	2		2	06	06		06	11	06	06	2	2
SHOULDERS				4	4	6		6	17	17		17	11	28	06	9	9
TRUNK, NEC				1	1	2		2	06	06		06	11	22	06	14	14
THIGH				5	5	8		8	28	28		28	17	45	11	13	13
KNEE				3	3	5		5	17	17		17	11	28	06	2	2
LOWER LEG				4	4	5		5	22	22		22	06	11	06	9	9
ANKLE				4	4	4		4	22	22		22	06	11	06	14	14
FOOT				1	1	2		2	06	06		06	11	22	06	1	1
LOWER EXTREMITIES, NEC				2	2	4		4	11	11		11	22	06	11	1	1
BODY SYSTEMS																	
MULTIPLE PARTS OF BODY																	
TOTAL OR AVERAGE			1	66	67	129		129	3.74	3.74	3.46	7.20				121	121

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED		NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES		
		FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
			PERMANENT	TEMPO- RARY	TOTAL NFDL											
TOTAL OR AVERAGE, UG.		-	-	2	2	2	5	7	-	02	02	06	08	-	(*)	(*)
EAR-----		-	-	16	16	16	64	80	-	19	19	76	95	-	11	11
EYE-----		-	1	-	-	-	4	4	-	-	-	05	05	-	-	-
JAW-----		-	-	-	-	-	24	24	-	-	-	29	29	-	-	-
MOUTH/TEETH/TONGUE-----		-	-	-	-	-	3	3	-	-	-	04	04	-	-	-
NOSE-----		-	-	-	-	-	3	3	-	-	-	04	04	-	-	-
SCALP-----		-	-	-	-	-	3	3	-	-	-	04	04	-	-	-
FACE, NEC-----		-	-	3	3	3	11	14	-	04	04	13	17	-	3	3
HEAD, NEC-----		1	-	10	10	11	22	33	01	12	13	26	39	72	1	73
NECK-----		2	-	14	14	16	3	19	02	17	19	04	23	143	5	148
UPPER ARM-----		-	-	-	-	-	1	1	-	-	-	01	01	-	-	-
ELBOW-----		-	-	9	9	9	10	19	-	11	11	12	23	-	4	4
FOREARM-----		-	-	4	4	4	20	24	-	05	05	24	29	-	(*)	(*)
WRIST-----		-	-	4	4	4	12	16	-	05	05	14	19	-	2	2
HAND-----		-	-	16	16	16	33	49	-	19	19	39	58	-	4	4
FINGER(S)-----		-	7	40	47	47	118	165	-	56	56	141	197	-	22	22
UPPER EXTREMITIES, NEC-----		-	-	9	9	9	8	17	-	11	11	10	20	-	5	5
ABDOMEN-----		-	-	1	1	1	1	1	-	01	01	01	01	-	(*)	(*)
BACK-----		-	-	129	129	129	27	156	-	154	154	32	186	-	64	64
CHEST-----		1	-	8	8	9	7	16	01	10	11	08	19	72	6	78
PELVIC REGION-----		-	-	31	31	31	3	34	-	37	37	04	41	-	20	20
SHOULDER(S)-----		-	12	24	24	24	6	30	-	29	29	07	36	-	13	13
TRUNK, NEC-----		-	-	7	7	7	1	8	-	08	08	01	10	-	3	3
THIGH-----		-	-	4	4	4	3	7	-	05	05	04	08	-	1	1
KNEE-----		-	-	33	33	33	11	44	-	39	39	13	52	-	26	26
LOWER LEG-----		-	-	10	11	11	2	13	-	13	13	02	16	-	39	39
ANKLE-----		-	1	38	38	38	7	45	-	45	45	08	54	-	15	15
FOOT-----		-	-	36	36	36	12	48	-	43	43	14	57	-	17	17
TOE(S)-----		-	-	4	5	5	3	8	-	06	06	04	10	-	7	7
LOWER EXTREMITIES, NEC-----		-	1	4	4	4	3	8	-	24	24	04	27	-	9	9
BODY SYSTEMS-----		-	-	5	5	5	1	6	-	06	06	01	07	-	(*)	(*)
MULTIPLE PARTS OF BODY-----		4	-	45	45	49	14	63	05	54	58	17	75	286	30	316
TOTAL OR AVERAGE-----		8	22	509	531	539	441	980	10	633	643	526	1169	573	306	878

TABLE 8 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI	NDI	ALL INJURIES	FATAL	NFDI	ALL FATAL AND NFDI
		PERMANENT	TEMPORARY												
			TOTAL	PARTIAL											
SURFACE MINES															
OPEN PIT															
EAR				1	1	5	6		01	01	03	03		(*)	(*)
EYE		1	31	32	32	51	83		18	18	29	47		10	10
JAW			1	1	1	2	3		01	01	01	02		(*)	(*)
MOUTH/TEETH/TONGUE						9	9				05	05		(*)	(*)
NOSE			1	1	1	2	3		01	01	01	02		(*)	(*)
SCALP						1	1				01	01		(*)	(*)
FACE, NEC			2	2	2	8	10		01	01	05	06		(*)	(*)
HEAD, NEC	2		8	8	10	13	23	01	05	06	07	13	69	8	2
NECK			29	29	29	6	35		17	17	03	20		1	1
UPPER ARM			2	2	2	4	6		01	01	02	10		(*)	(*)
ELBOW			14	14	14	4	18		02	02	06	09		4	4
FOREARM			4	4	4	11	15		08	08	06	09		(*)	(*)
Wrist			19	19	19	9	28		11	11	05	16		1	1
HAND			15	15	15	34	49		09	09	19	28		1	1
FINGER(S)		7	48	55	55	90	145		31	31	51	83		13	13
UPPER EXTREMITIES, NEC			10	10	10	4	14		06	06	02	08		2	2
ABDOMEN			2	2	2	27	29		12	12	15	37		(*)	(*)
BACK			212	212	212	4	216		08	08	02	10		1	1
CHEST			14	14	14	4	18		11	11	02	13		4	4
PELVIC REGION		10	9	19	19	3	22		17	17	02	19		7	7
SHOULDER(S)			30	30	30	3	33		02	02	01	03		1	1
TRUNK, NEC			4	4	4	1	5		05	05	02	06		1	1
THIGH			8	8	8	3	11		31	31	06	37		10	10
KNEE			54	54	54	10	64		04	04	05	09		2	2
LOWER LEG			7	7	7	9	16		23	23	03	27		5	5
ANKLE			41	41	41	6	47		09	09	02	11		2	2
FOOT			15	15	15	4	19		02	02	02	10		(*)	(*)
TOE(S)			4	4	4	4	16		06	06	03	10		2	2
LOWER EXTREMITIES, NEC			11	11	11	6	17		01	01	02	05	69	(*)	69
BODY SYSTEMS	2		2	2	2	4	8	01	01	02	02	05	34	40	74
MULTIPLE PARTS OF BODY	1	1	38	39	40	7	47	01	22	23	04	27	171	165	336
TOTAL OR AVERAGE	5	1	18	636	655	336	996	03	3 74	3 77	1 92	5 69			
DREDGE															
EYE						2	2				47	47			
FOREARM						1	1				24	24			
HAND						2	2				47	47			
FINGER(S)			1	1	1	1	2		24	24	24	24		2	2
UPPER EXTREMITIES, NEC			2	2	2	1	3		47	47	24	47		6	6
BACK			1	1	1	1	2		24	24	24	24		1	1
PELVIC REGION			1	1	1	-	1		24	24	24	24		7	7
KNEE			1	1	1	-	1		24	24	24	24		14	14
ANKLE			1	1	1	-	1		24	24	24	24		1	1
MULTIPLE PARTS OF BODY			7	7	7	1	14		24	24	24	24		(*)	(*)
TOTAL OR AVERAGE			8	8	8	6	14		1 90	1 90	1 42	3 32		33	33

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TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY												TOTAL NFDL
		TOTAL	PARTIAL													
TOTAL OR AVERAGE, SURFACE.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EAR-----	-	-	-	1	1	1	5	6	-	.01	.01	.03	.03	-	(*)	(*)
EYE-----	-	-	1	31	32	32	53	85	-	.18	.18	.30	.47	-	10	10
JAW-----	-	-	-	1	1	1	2	3	-	.01	.01	.01	.02	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	9	9	-	-	-	.05	.05	-	-	-
NOSE-----	-	-	-	1	1	1	2	3	-	.01	.01	.01	.02	-	(*)	(*)
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	.01	.01	-	-	-
FACE, NEC-----	-	-	-	2	2	2	8	10	-	.01	.01	.04	.06	-	(*)	(*)
HEAD, NEC-----	2	-	-	8	8	10	13	23	.01	.04	.06	.07	.13	67	2	69
NECK-----	-	-	-	29	29	29	6	35	-	.16	.16	.03	.20	-	8	8
UPPER ARM-----	-	-	-	2	2	2	-	2	-	.01	.01	-	-	-	1	1
ELBOW-----	-	-	-	14	14	14	4	18	-	.08	.08	.02	.10	-	4	4
FOREARM-----	-	-	-	4	4	4	12	16	-	.02	.02	.07	.09	-	(*)	(*)
WRIST-----	-	-	-	19	19	19	9	28	-	.11	.11	.05	.16	-	2	2
HAND-----	-	-	-	15	15	15	36	51	-	.08	.08	.20	.28	-	1	1
FINGER(S)-----	-	-	7	49	56	56	90	146	-	.31	.31	.50	.81	-	13	13
UPPER EXTREMITIES, NEC-----	-	-	-	12	12	12	4	16	-	.07	.07	.02	.09	-	2	2
ABDOMEN-----	-	-	-	2	2	2	-	2	-	.01	.01	-	.01	-	(*)	(*)
BACK-----	-	-	-	213	213	213	28	241	-	1.19	1.19	.15	1.35	-	44	44
CHEST-----	-	-	-	14	14	14	4	18	-	.08	.08	.02	.10	-	1	1
PELVIC REGION-----	-	-	10	10	20	20	3	23	-	.11	.11	.02	.13	-	4	4
SHOULDER(S)-----	-	-	-	30	30	30	3	33	-	.17	.17	.02	.18	-	6	6
TRUNK, NEC-----	-	-	-	4	4	4	1	5	-	.02	.02	.01	.03	-	1	1
THIGH-----	-	-	-	8	8	8	3	11	-	.04	.04	.02	.06	-	1	1
KNEE-----	-	-	-	55	55	55	10	65	-	.31	.31	.06	.36	-	10	10
LOWER LEG-----	-	-	-	7	7	7	9	16	-	.04	.04	.05	.09	-	2	2
ANKLE-----	-	-	-	42	42	42	6	48	-	.23	.23	.03	.27	-	5	5
FOOT-----	-	-	-	15	15	15	4	19	-	.08	.08	.02	.11	-	2	2
TOE(S)-----	-	-	-	4	4	4	-	4	-	.02	.02	-	.02	-	(*)	(*)
LOWER EXTREMITIES, NEC-----	-	-	-	11	11	11	6	17	-	.06	.06	.03	.09	-	2	2
BODY SYSTEMS-----	2	-	-	2	2	4	4	8	.01	.01	.02	.02	.04	67	(*)	67
MULTIPLE PARTS OF BODY-----	1	1	-	39	40	41	7	48	.01	.22	.23	.04	.27	33	39	72
TOTAL OR AVERAGE-----	5	1	18	644	663	668	342	1,010	.03	3.70	3.73	1.91	5.64	167	162	329

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL											
TOTAL OR AVERAGE, MINING:															
EAR-----	-	-	3	3	3	10	13	-	.01	.01	.04	.05	-	(*)	(*)
EYE-----	-	2	46	48	48	117	165	-	.18	.18	.44	.63	-	10	10
JAW-----	-	-	1	1	1	6	7	-	(*)	(*)	.02	.03	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	33	33	-	-	-	.13	.13	-	-	-
NOSE-----	-	-	1	1	1	5	6	-	(*)	(*)	.02	.02	-	(*)	(*)
SCALP-----	-	-	-	-	-	4	4	-	-	-	.02	.02	-	-	-
FACE, NEC-----	-	-	5	5	5	19	24	-	.02	.02	.07	.09	-	1	1
HEAD, NEC-----	3	-	18	21	21	35	56	.01	.07	.08	.13	.21	68	2	70
NECK-----	2	-	43	45	9	54	54	.01	.16	.17	.03	.21	46	7	53
UPPER ARM-----	-	-	2	2	2	1	3	-	.01	.01	(*)	.01	-	(*)	(*)
ELBOW-----	-	-	23	23	23	14	37	-	.09	.09	.05	.14	-	4	4
FOREARM-----	-	-	8	8	8	32	40	-	.03	.03	.12	.15	-	(*)	(*)
WRIST-----	-	-	23	23	23	21	44	-	.09	.09	.08	.17	-	2	2
HAND-----	-	-	31	31	31	69	100	-	.12	.12	.26	.38	-	2	2
FINGER(S)-----	-	14	89	103	103	208	311	-	.39	.39	.79	1.18	-	16	16
UPPER EXTREMITIES, NEC-----	-	-	21	21	21	12	33	-	.08	.08	.05	.13	-	3	3
ABDOMEN-----	-	-	3	3	3	3	3	-	.01	.01	-	.01	-	(*)	(*)
BACK-----	-	-	342	342	342	55	397	-	1.30	1.30	.21	1.51	-	50	50
CHEST-----	-	-	22	22	22	11	33	(*)	.08	.09	.04	.13	23	3	26
PELVIC REGION-----	1	22	29	51	51	6	57	-	.19	.19	.02	.22	-	9	9
SHOULDER(S)-----	-	-	54	54	54	9	63	-	.21	.21	.03	.24	-	8	8
TRUNK, NEC-----	-	-	11	11	11	2	13	-	.04	.04	.01	.05	-	2	2
THIGH-----	-	-	12	12	12	6	18	-	.05	.05	.02	.07	-	1	1
KNEE-----	-	-	88	88	88	21	109	-	.33	.33	.08	.41	-	15	15
LOWER LEG-----	-	-	17	18	18	11	29	-	.07	.07	.04	.11	-	14	14
ANKLE-----	-	-	80	80	80	13	93	-	.30	.30	.05	.35	-	8	8
FOOT-----	-	-	51	51	51	16	67	-	.19	.19	.06	.25	-	7	7
TOE(S)-----	-	-	8	9	9	3	12	-	.03	.03	.01	.05	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	31	31	31	9	40	-	.12	.12	.03	.15	-	4	4
BODY SYSTEMS-----	2	-	7	7	7	5	14	.01	.03	.03	.02	.05	46	(*)	46
MULTIPLE PARTS OF BODY-----	5	1	84	85	90	21	111	.02	.32	.34	.08	.42	114	36	150
TOTAL OR AVERAGE-----	13	1	1,153	1,194	1,207	783	1,990	.05	4.54	4.59	2.98	7.57	297	208	504
INDEPENDENT SHOPS:															
EYE-----	-	-	-	-	-	3	3	-	-	-	.79	.79	-	-	-
HAND-----	-	-	1	1	1	1	1	-	.26	.26	.26	.26	-	4	4
FINGER(S)-----	-	-	3	3	3	5	8	-	.79	.79	1.32	2.11	-	14	14
UPPER EXTREMITIES, NEC-----	-	-	1	1	1	1	2	-	.26	.26	.26	.53	-	2	2
BACK-----	-	-	11	11	11	1	12	-	2.91	2.91	.26	3.17	-	69	69
PELVIC REGION-----	-	2	2	2	2	-	2	-	.53	.53	-	.53	-	26	26
SHOULDER(S)-----	-	-	1	1	1	-	1	-	.26	.26	-	.26	-	7	7
KNEE-----	-	-	2	2	2	1	2	-	.53	.53	.26	.53	-	16	16
LOWER LEG-----	-	-	1	1	1	1	2	-	.26	.26	.26	.53	-	14	14
FOOT-----	-	-	-	-	-	1	1	-	.26	.26	.26	.26	-	-	-
TOTAL OR AVERAGE-----	-	2	20	22	22	12	34	-	5.81	5.81	3.17	8.99	-	153	153

TABLE 8 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPORARY												
		TOTAL	PARTIAL	TOTAL	PARTIAL											
PROCESSING PLANTS:																
EAR	-	-	-	36	-	36	4	133	-	18	18	.02	02	-	1	-
EYE	-	-	-	2	-	2	5	7	-	.01	.01	.47	.65	-	(*)	(*)
JAW	-	-	-	1	-	1	13	20	-	(*)	(*)	.09	.10	-	(*)	(*)
MOUTH/TEETH/TONGUE	-	-	-	1	-	1	6	7	-	(*)	(*)	.03	.03	-	(*)	(*)
NOSE	-	-	-	-	-	-	2	2	-	-	-	.01	.01	-	-	-
SCALP	-	-	-	1	-	1	-	-	-	(*)	(*)	-	(*)	-	(*)	(*)
SKULL	-	-	-	3	-	3	9	12	-	.01	.01	.04	.06	-	(*)	(*)
FACE, NEC	-	-	-	12	-	12	22	34	-	.06	.06	.11	.17	-	(*)	(*)
HEAD, NEC	-	-	-	25	-	25	8	33	-	.12	.12	.24	.36	-	2	2
NECK	-	-	-	3	-	3	2	5	-	.01	.01	.01	.02	-	(*)	(*)
UPPER ARM	-	-	-	20	-	20	6	26	-	.10	.10	.03	.13	-	3	3
ELBOW	-	-	-	9	-	9	20	29	-	.04	.04	.10	.14	-	1	1
FOREARM	-	-	-	23	-	23	10	33	-	.11	.11	.05	.16	-	4	4
WRIST	-	-	-	25	-	25	49	74	-	.12	.12	.24	.36	-	3	3
HAND	-	-	-	68	-	68	74	186	-	.36	.36	.91	1.27	-	14	14
FINGER(S)	-	-	-	20	-	20	8	28	-	.10	.10	.04	.14	-	9	9
UPPER EXTREMITIES, NEC	-	-	-	7	-	7	2	9	-	.03	.03	.01	.04	-	(*)	(*)
ABDOMEN	-	-	-	258	-	258	41	299	-	1.26	1.26	20	1.46	-	52	52
BACK	-	-	-	15	-	15	4	19	-	.07	.07	.02	.09	-	1	1
CHEST	-	-	-	19	-	19	1	30	-	.14	.14	(*)	.15	-	5	5
PELVIC REGION	-	-	-	34	-	34	7	41	-	.17	.17	.03	.20	-	7	7
SHOULDER(S)	-	-	-	5	-	5	1	6	-	.02	.02	(*)	.03	-	1	1
TRUNK, NEC	-	-	-	4	-	4	4	8	-	.02	.02	.02	.04	-	2	2
THIGH	-	-	-	68	-	68	20	89	-	.34	.34	.10	.43	-	14	14
KNEE	-	-	-	8	-	8	7	15	-	.04	.04	.03	.07	-	1	1
LOWER LEG	-	-	-	32	-	32	4	36	-	.16	.16	.02	.18	-	2	2
ANKLE	-	-	-	21	-	21	12	33	-	.10	.10	.06	.16	-	16	16
FOOT	-	-	-	4	-	4	4	7	-	.02	.02	.01	.03	-	1	1
TOE(S)	-	-	-	21	-	21	13	34	-	.10	.10	.06	.17	-	3	3
LOWER EXTREMITIES, NEC	-	-	-	4	-	4	2	6	-	.02	.02	.01	.03	-	(*)	(*)
BODY SYSTEMS	-	-	-	39	-	39	16	55	-	.19	.19	.08	.27	-	9	9
MULTIPLE PARTS OF BODY	-	-	-	1	-	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
UNCLASSIFIED	-	-	-	19	787	806	806	590	1,396	3.94	3.94	2.88	6.82	-	153	153
TOTAL OR AVERAGE	-	-	-	19	787	806	806	590	1,396	3.94	3.94	2.88	6.82	-	153	153

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES				
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY												TOTAL NFDL
		TOTAL	PARTIAL													
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																
EAR-----	-	-	-	3	3	3	14	17	-	.01	.01	.03	04	(*)	(*)	
EYE-----	-	2	-	82	84	84	217	301	-	.18	.18	.46	64	6	6	
JAW-----	-	-	-	3	3	3	11	14	-	.01	.01	.02	.03	(*)	(*)	
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	52	53	-	(*)	(*)	.11	.11	(*)	(*)	
NOSE-----	-	-	-	2	2	2	11	13	-	(*)	(*)	.02	.03	(*)	(*)	
SCALP-----	-	-	-	-	-	-	6	6	-	-	-	.01	.01	(*)	(*)	
SKULL-----	-	-	-	1	1	1	28	36	-	(*)	(*)	.06	.08	(*)	(*)	
FACE, NEC-----	-	-	-	8	8	8	57	90	-	.02	.02	.12	.19	1	39	
HEAD, NEC-----	3	-	-	30	33	33	70	87	.01	.06	.07	.12	.18	5	30	
NECK-----	2	-	-	68	68	70	17	8	(*)	.14	.15	.04	.18	25	30	
UPPER ARM-----	-	-	-	5	5	5	3	8	-	.01	.01	.01	.02	(*)	(*)	
ELBOW-----	-	-	-	43	43	43	20	63	-	.09	.09	.04	.13	4	4	
FOREARM-----	-	-	-	17	17	17	52	69	-	.04	.04	.11	.15	1	1	
WRIST-----	-	-	-	46	46	46	31	77	-	.10	.10	.07	.16	3	3	
HAND-----	-	-	-	57	57	57	118	175	-	.12	.12	.25	.37	3	3	
FINGER(S)-----	-	20	-	160	180	180	399	579	-	.38	.38	.85	1.23	15	15	
UPPER EXTREMITIES, NEC-----	-	-	-	42	42	42	21	63	-	.09	.09	.04	.13	5	5	
ABDOMEN-----	-	-	-	10	10	10	2	12	-	.02	.02	(*)	.03	(*)	(*)	
BACK-----	-	-	-	611	611	611	97	708	-	1.30	1.30	.21	1.50	51	51	
CHEST-----	1	-	-	37	38	38	15	53	(*)	.08	.08	.03	.11	2	15	
PELVIC REGION-----	-	-	-	82	82	82	7	89	-	.17	.17	.01	.19	8	8	
SHOULDER(S)-----	-	34	-	48	89	89	16	105	-	.19	.19	.03	.22	8	8	
TRUNK, NEC-----	-	-	-	16	16	16	3	19	-	.03	.03	.01	.04	1	1	
THIGH-----	-	-	-	16	16	16	10	26	-	.03	.03	.02	.06	1	1	
KNEE-----	-	-	-	158	159	159	41	200	-	.34	.34	.09	.42	15	15	
LOWER LEG-----	-	-	-	26	27	27	19	46	-	.06	.06	.04	.10	8	8	
ANKLE-----	-	-	-	112	112	112	29	129	-	.24	.24	.04	.27	6	6	
FOOT-----	-	-	-	70	72	72	29	101	-	.15	.15	.06	.21	11	11	
TOE(S)-----	-	-	-	12	13	13	6	19	-	.03	.03	.01	.04	2	2	
LOWER EXTREMITIES, NEC-----	-	-	-	52	52	52	22	74	-	.11	.11	.05	.16	3	3	
BODY SYSTEMS-----	2	-	-	11	11	13	7	20	(*)	.02	.03	.01	.04	(*)	26	
MULTIPLE PARTS OF BODY-----	5	1	-	123	124	129	37	166	.01	.26	.27	.08	.35	24	88	
UNCLASSIFIED-----	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	(*)	(*)	
TOTAL OR AVERAGE-----	13	1	61	1,960	2,022	2,035	1,385	3,420	.03	4.29	4.32	2.94	7.25	183	349	
OFFICE:																
JAW-----	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	
SCALP-----	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	
NECK-----	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	
UPPER ARM-----	-	-	-	-	-	-	1	1	-	-	-	.02	.02	-	-	
HAND-----	-	-	-	-	-	-	3	3	-	-	-	.05	.05	-	-	
FINGER(S)-----	-	-	-	-	-	-	3	5	-	-	-	.05	.05	-	-	
BACK-----	-	-	-	4	4	4	1	5	-	.07	.07	.02	.08	1	1	
SHOULDER(S)-----	-	-	-	1	1	1	1	1	-	.02	.02	.02	.02	(*)	(*)	
THIGH-----	-	-	-	-	-	-	1	1	-	.02	.02	.02	.02	(*)	(*)	
ANKLE-----	-	-	-	1	1	1	1	1	-	.02	.02	.02	.02	(*)	(*)	
FOOT-----	-	-	-	2	2	2	1	3	-	.03	.03	.02	.05	(*)	(*)	
MULTIPLE PARTS OF BODY-----	-	-	-	8	8	8	14	22	-	.13	.13	.23	.36	1	1	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 8 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY												TOTAL NFDL
		TOTAL	PARTIAL													
GRAND TOTAL OR AVERAGE:	-	-	-	3	3	3	14	17	-	01	01	.03	.03	-	(*)	(*)
EAR-----	-	-	-	82	84	84	217	301	-	16	16	.41	.57	-	5	5
EYE-----	-	-	2	3	3	3	12	15	-	01	01	.02	.03	-	(*)	(*)
JAW-----	-	-	-	1	1	1	52	53	-	(*)	(*)	.10	.10	-	(*)	(*)
MOUTH/TEETH/TONGUE----	-	-	-	2	2	2	11	13	-	(*)	(*)	.02	.02	-	(*)	(*)
NOSE-----	-	-	-	-	-	-	7	7	-	-	-	.01	.01	-	-	-
SCALP-----	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
SKULL-----	-	-	-	8	8	8	28	36	-	02	02	.05	.07	-	(*)	(*)
FACE, NEC-----	-	-	-	30	30	33	57	90	.01	06	06	.11	.17	34	1	35
HEAD, NEC-----	3	-	-	68	68	70	18	88	(*)	.13	.13	.03	.17	23	4	27
NECK-----	2	-	-	5	5	5	4	9	-	01	01	.01	.02	-	(*)	(*)
UPPER ARM-----	-	-	-	43	43	43	20	63	-	08	08	.04	.12	-	3	3
ELBOW-----	-	-	-	17	17	17	52	69	-	03	03	.10	.13	-	(*)	(*)
FOREARM-----	-	-	-	46	46	46	31	77	-	09	09	.06	.14	-	3	3
WRIST-----	-	-	-	57	57	57	121	178	-	11	11	.23	.33	-	2	2
HAND-----	-	-	-	160	180	180	402	582	-	34	34	.76	1.09	-	13	13
FINGER(S)-----	-	-	20	42	42	42	21	63	-	08	08	.04	.12	-	5	5
UPPER EXTREMITIES, NEC----	-	-	-	10	10	10	2	12	-	02	02	(*)	.02	-	(*)	(*)
ABDOMEN-----	-	-	-	615	615	615	98	713	-	16	16	.18	1.34	-	45	45
BACK-----	-	-	-	37	37	38	15	53	(*)	.07	.07	.03	.10	11	2	13
CHEST-----	1	-	-	48	82	82	7	89	-	.15	.15	.01	.17	-	7	7
PELVIC REGION-----	-	-	34	90	90	90	16	106	-	17	17	.03	.20	-	7	7
SHOULDER(S)-----	-	-	-	16	16	16	3	19	-	03	03	.01	.04	-	1	1
TRUNK, NEC-----	-	-	-	16	16	16	11	27	-	03	03	.02	.05	-	1	1
THIGH-----	-	-	-	158	159	159	41	200	-	30	30	.08	.38	-	13	13
KNEE-----	-	-	1	26	27	27	19	46	-	05	05	.04	.09	-	7	7
LOWER LEG-----	-	-	1	113	113	113	17	130	-	21	21	.03	.24	-	5	5
ANKLE-----	-	-	-	70	72	72	30	102	-	14	14	.06	.19	-	10	10
FOOT-----	-	-	2	12	13	13	6	19	-	02	02	.01	.04	-	2	2
TOE(S)-----	-	-	1	52	52	52	22	74	-	10	10	.04	.14	-	3	3
LOWER EXTREMITIES, NEC----	-	-	-	11	11	13	7	20	(*)	02	02	.01	.04	23	(*)	23
BODY SYSTEMS-----	2	-	-	125	126	131	38	169	.01	24	25	.07	.32	56	21	78
MULTIPLE PARTS OF BODY----	5	1	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	13	1	61	1,968	2,030	2,043	1,399	3,442	.02	3.82	3.84	2.63	6.47	147	163	309

TABLE 9. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL	NFI		TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI		TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPO- RARY					TOTAL	TOTAL					
														TOTAL
UNDERGROUND MINES														
EAR	1	1	1	1	5	6				30	30		30	
EYE	1	1	1	1	4	4				34	34		34	
ARM	1	1	1	1	22	22				231	231		231	
LEG	1	1	1	1	3	3				83	83		83	
HEAD/FEET/TONGUE	1	1	1	1	22	22				319	319		319	
NOSE	1	1	1	1	3	3				309	309		309	
SCALP	1	1	1	1	10	10				36	36		36	
FACE, NEC	1	1	1	1	12	12				145	145		145	
NECK, NEC	1	1	1	1	8	8				241	241		241	
ELBOW	1	1	1	1	12	12				677	677		677	
FOREARM	1	1	1	1	4	4				394	394		394	
WRIST	1	1	1	1	4	4				145	145		145	
HAND	1	1	1	1	13	13				241	241		241	
THUMB	1	1	1	1	13	13				1,652	1,652		1,652	
FINGER(S)	1	1	1	1	41	41				394	394		394	
UPPER EXTREMITIES, NEC	1	1	1	1	9	9				2	2		2	
ABDOMEN	1	1	1	1	1	1				5,004	5,004		5,004	
BACK	1	1	1	1	113	113				536	536		536	
CHEST	1	1	1	1	8	8				854	854		854	
PELVIC REGION	1	1	1	1	11	11				794	794		794	
SHOULDER(S)	1	1	1	1	20	20				113	113		113	
TRUNK, NEC	1	1	1	1	4	4				66	66		66	
THIGH	1	1	1	1	3	3				1,940	1,940		1,940	
KNEE	1	1	1	1	28	28				256	256		256	
LOWER LEG	1	1	1	1	10	10				1,197	1,197		1,197	
ANKLE	1	1	1	1	35	35				1,257	1,257		1,257	
FOOT	1	1	1	1	32	32				101	101		101	
TOE(S)	1	1	1	1	4	4				488	488		488	
LOWER EXTREMITIES, NEC	1	1	1	1	16	16				14	14		14	
BODY SYSTEMS	1	1	1	1	4	4				2,471	2,471		2,471	
MULTIPLE PARTS OF BODY	1	1	1	1	43	43				26,471	26,471		26,471	
TOTAL OR AVERAGE	8	21	443	464	472	851	48,000	5,875	17,592	23,467	71,467	280	40	151

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY							
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL			
		TOTAL	PARTIAL	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL	TEMPORARY	TOTAL NFDL							
																		PERMANENT	TOTAL	PARTIAL
SURFACE AT UNDERGROUND:																				
EAR	-	-	1	1	1	1	5	1	7	-	-	-	2	-	2	2	2			
EYE	-	-	2	2	2	2	2	2	2	-	-	-	2	-	1	1	1			
MOUTH/TEETH/TONGUE	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-			
NOSE	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-			
FACE, NEC	-	-	3	3	3	4	4	3	7	-	-	-	15	-	5	5	5			
HEAD, NEC	-	-	2	2	2	2	2	2	4	-	-	-	115	-	58	58	58			
NECK	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-			
UPPER ARM	-	-	1	1	1	2	2	1	3	-	-	-	10	-	10	10	10			
ELBOW	-	-	3	3	3	6	6	3	9	-	-	-	56	-	19	19	19			
HAND	-	-	6	6	6	20	20	6	26	-	-	-	153	-	26	26	26			
FINGERS	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-			
UPPER EXTREMITIES, NEC	-	-	16	16	16	5	5	21	26	-	-	50	353	-	22	22	22			
BACK	-	-	5	4	4	-	-	6	6	-	-	-	298	-	50	50	50			
PELVIC REGION	-	-	4	4	4	1	1	4	4	-	-	-	259	-	65	65	65			
SHOULDER(S)	-	-	3	3	3	3	3	3	4	-	-	-	171	-	57	57	57			
TRUNK, NEC	-	-	1	1	1	1	1	1	2	-	-	-	14	-	14	14	14			
THIGH	-	-	5	5	5	3	3	8	8	-	-	-	234	-	47	47	47			
KNEE	-	-	3	3	3	2	2	1	5	-	-	-	36	-	12	12	12			
LOWER LEG	-	-	4	4	4	1	1	5	4	-	-	-	164	-	41	41	41			
ANKLE	-	-	4	4	4	1	1	4	5	-	-	-	256	-	64	64	64			
FOOT	-	-	1	1	1	1	1	1	2	-	-	-	3	-	3	3	3			
LOWER EXTREMITIES, NEC	-	-	2	2	2	2	2	2	4	-	-	-	26	-	13	13	13			
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE	-	-	66	67	67	62	62	67	129	-	-	50	2,167	50	32	32	32			

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS							AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPORARY						TOTAL	PARTIAL	TEMPORARY					TOTAL NFDL	
			TOTAL	PARTIAL													
																	TOTAL
TOTAL OR AVERAGE UG.	-	-	2	16	2	5	7	-	-	900	32	936	-	16	32	16	
EAR	-	-	1	15	16	64	80	-	-	-	36	-	-	-	2	-	58
EYE	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-	-
ARM	-	-	-	-	-	24	24	-	-	-	-	-	-	-	-	-	-
FOUR/TEETH/TONGUE	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-
SCALP	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-
FACE, NEC	1	-	3	3	3	11	14	6,000	-	-	231	231	-	77	231	77	77
HEAD, NEC	1	-	10	10	11	22	33	12,000	-	-	98	98	-	10	554	10	554
NECK	2	-	14	14	16	3	19	-	-	-	434	434	-	31	777	31	777
UPPER ARM	-	-	9	9	9	1	1	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	4	4	4	10	19	-	-	-	319	319	-	35	319	35	35
FOREARM	-	-	4	4	4	20	24	-	-	-	36	36	-	9	36	9	36
WRIST	-	-	4	4	4	12	16	-	-	-	145	145	-	19	145	19	19
HAND	-	-	16	16	16	33	49	-	-	-	297	297	-	21	297	21	297
FINGER(S)	-	-	40	47	47	118	165	-	-	975	830	1,805	139	44	1,805	44	1,805
UPPER EXTREMITIES, NEC	-	-	9	9	9	8	17	-	-	-	394	394	-	2	394	2	394
ABDOMEN	-	-	-	-	-	1	1	-	-	-	2	2	-	-	2	-	-
BACK	-	-	129	129	129	27	156	-	-	-	5,357	5,357	-	42	5,357	42	5,357
CHEST	1	-	8	8	9	7	16	6,000	-	-	536	536	-	57	536	57	536
PELVIC REGION	-	-	31	31	31	3	3	-	-	600	1,102	1,707	50	56	1,707	56	1,707
SHOULDER(S)	-	-	24	24	24	6	30	-	-	-	1,053	1,053	-	44	1,053	44	1,053
TRUNK, NEC	-	-	7	7	7	1	8	-	-	-	284	284	-	41	284	41	284
THIGH	-	-	4	4	4	3	7	-	-	-	80	80	-	20	80	20	80
KNEE	-	-	33	33	33	11	44	-	-	-	2,174	2,174	-	66	2,174	66	2,174
LOWER LEG	-	-	38	38	38	12	48	-	-	3,000	3,256	3,256	3,000	26	3,256	26	3,256
ANKLE	-	-	36	36	36	12	48	-	-	-	1,233	1,233	-	32	1,233	32	1,233
FOOT	-	-	4	4	5	3	8	-	-	450	1,421	1,421	-	39	1,421	39	1,421
TOE(S)	-	-	20	20	20	3	23	-	-	-	101	101	-	25	101	25	101
LOWER EXTREMITIES, NEC	-	-	5	5	5	1	6	-	-	-	744	744	-	37	744	37	744
BODY SYSTEMS	4	-	45	45	49	14	63	24,000	-	-	2,497	2,497	-	55	2,497	55	2,497
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	48,000	-	-	19,709	25,634	-	39	25,634	39	25,634
TOTAL OR AVERAGE	8	22	509	531	539	441	980	-	-	5,925	19,709	25,634	269	39	73,634	39	137

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NFIDL	FATAL	PERMANENT		TOTAL FATAL AND NFIDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL				PARTIAL					
SURFACE MINES OPEN PIT:													
EAR		1	31	32	1				1,743	1,808	1,743	1	1
EYE										7		7	56
JAW										6		6	6
MOUTH/TEETH/TONGUE													
NOSE													
SCALP													
FACE, NEC			2	8	2					14		7	7
HEAD, NEC	2		29	29	29		12,000			314		39	1,231
NECK			2	2	2					1,377		47	47
UPPER ARM			14	14	14					105		52	52
ELBOW			4	4	4					763		54	54
FOREARM			19	19	19					30		8	8
WRIST			15	15	15					410		22	22
HAND			48	55	55					235		16	16
FINGER(S)			10	10	10					2,328		42	42
UPPER EXTREMITIES, NEC			2	2	2				1,265	403	181	40	40
ADDITION										9		4	4
BACK			212	212	212					7,814		37	37
CHEST			14	14	14					194		14	14
PELVIC REGION			9	19	19					705	50	23	37
SHOULDER(S)			30	30	30				500	1,147		38	38
TRUNK, NEC			4	4	4					254		64	64
THIGH			8	8	8					198		25	25
KNEE			54	54	54					1,681		31	31
LOWER LEG			7	7	7					348		50	50
ANKLE			41	41	41					955		23	23
FOOT			15	15	15					434		29	29
TOE(S)			4	4	4					46		12	12
LOWER EXTREMITIES, NEC			11	11	11					269		24	24
BODY SYSTEMS	2		2	2	2		12,000			18		9	9
MULTIPLE PARTS OF BODY	1		38	39	40		6,000			6,959		25	3,004
TOTAL OR AVERAGE	5	1	18	636	655	660	30,000	6,000	3,508	28,832	195	30	89
DREDGE													
EYE													
FOREARM													
HAND													
FINGER(S)			1	1	1								
UPPER EXTREMITIES, NEC			2	2	2					10		10	10
BACK			1	1	1					24		12	12
PELVIC REGION			1	1	1					5		5	5
KNEE			1	1	1					31		31	31
ANKLE			1	1	1					61		61	61
MULTIPLE PARTS OF BODY			1	1	1					5		5	5
TOTAL OR AVERAGE			8	8	8	8				138		17	17

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	FATAL			NFDI			TOTAL FATAL AND NFDI			NFI			TOTAL INJURIES			FATAL			NFDI			TOTAL FATAL AND NFDI			PERMA NENT PARTIAL			TEMPO RARY			TOTAL FATAL AND NFDI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	PERMANENT			TEMPO RARY			TOTAL NFDI			TOTAL AND NFI			TOTAL INJURIES			TOTAL			TOTAL FATAL AND NFDI			TOTAL FATAL AND NFDI			TOTAL FATAL AND NFDI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
TOTAL			PARTIAL			TOTAL			TOTAL AND NFI			TOTAL INJURIES			TOTAL			TOTAL FATAL AND NFDI			TOTAL FATAL AND NFDI			TOTAL FATAL AND NFDI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					TOTAL INJURIES	NDI	TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	LOST WORKDAYS				AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																				
	FATAL	NFDL			TOTAL FATAL AND NFDL						TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL																																																																																																																																																																																																																																																																																																	
		PERMANENT	TEMPORARY	TOTAL															TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NFIDL	FATAL	PERMANENT		TOTAL NFIDL	TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL				TEMPORARY						
									TOTAL					
PROCESSING PLANTS														
EAR		36		36	36	4				117	117		3	3
EYE		2		2	2	97				30	30		15	15
JAW		1		1	1	19				2	2		6	2
MOUTH/TEETH/TONGUE		1		1	1	2				6	6			6
NOSE														
SCALP														
SKULL														
FACE, NEC		3		3	3	9				42	42		42	7
HEAD, NEC		12		12	12	22				21	21		5	5
NECK		25		25	25	34				61	61		19	19
UPPER ARM		3		3	3	2				471	471		7	7
ELBOW		20		20	20	6				22	22		34	34
FOREARM		9		9	9	26				682	682		20	20
WRIST		23		23	23	33				182	182		39	39
HAND		25		25	25	74				895	895		27	27
FINGER(S)		68		68	68	260				668	668		23	23
UPPER EXTREMITIES, NEC		20		20	20	28			1,310	2,855	2,855	218	88	88
ABDOMEN		7		7	7	8				1,752	1,752		7	7
BACK		258		258	258	41				50	50		41	41
CHEST		15		15	15	19				10,590	10,590		17	17
PELVIC REGION		19		19	19	30			500	248	248		17	17
SHOULDER(S)		34		34	34	7				1,110	1,110	50	32	38
TRUNK, NEC		5		5	5	41				1,355	1,355		40	40
THIGH		4		4	4	1				130	130		26	26
KNEE		68		68	68	8				342	342		86	86
LOWER LEG		8		8	8	20			300	2,898	2,898	300	38	42
ANKLE		32		32	32	7				176	176		22	22
FOOT		19		19	19	15				492	492		15	15
TOE(S)		4		4	4	4			2,712	3,222	3,222	1,356	27	153
LOWER EXTREMITIES, NEC		21		21	21	33				281	281		70	70
BODY SYSTEMS		4		4	4	13				604	604		29	29
MULTIPLE PARTS OF BODY		39		39	39	6				40	40		10	10
UNCLASSIFIED		1		1	1	16				1,913	1,913		49	49
TOTAL OR AVERAGE		787		806	806	590			4,822	26,439	31,261	254	34	39

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TEMPORARY				TOTAL NFIDL						
TOTAL OR AVERAGE	13	1	61	1,960	2,022	3,420	78,000	6,000	14,355	66,088	86,443	235	34	81
ALL MINES AND PLANTS:														
EAR	-	-	-	-	3	17	-	-	-	33	33	-	11	11
EYE	-	-	-	-	84	301	-	-	-	2,861	2,861	1,322	34	34
JAW	-	-	-	-	3	11	-	-	-	37	37	-	12	12
MOUTH/TEETH/TONGUE	-	-	-	-	1	53	-	-	-	2	2	-	2	2
NOSE	-	-	-	-	2	13	-	-	-	12	12	-	6	6
SCALP	-	-	-	-	-	6	-	-	-	-	-	-	-	-
SKULL	-	-	-	-	1	1	-	-	-	-	-	-	-	-
FACE NEC	-	-	-	-	8	36	-	-	-	42	42	-	42	42
HEAD NEC	3	-	-	-	30	90	18,000	-	-	266	266	-	33	33
NECK	2	-	-	-	68	87	12,000	-	-	473	473	-	16	16
UPPER ARM	-	-	-	-	5	8	-	-	-	2,282	2,282	-	34	34
ELBOW	-	-	-	-	43	63	-	-	-	127	127	-	25	25
FOREARM	-	-	-	-	17	69	-	-	-	1,764	1,764	-	41	41
WRIST	-	-	-	-	46	77	-	-	-	248	248	-	15	15
HAND	-	-	-	-	57	175	-	-	-	1,450	1,450	-	32	32
FINGER(S)	-	-	-	-	160	579	-	-	-	1,216	1,216	-	21	21
UPPER EXTREMITIES, NEC	-	-	-	-	42	63	-	-	-	3,502	7,052	178	22	22
ABDOMEN	-	-	-	-	10	12	-	-	-	2,580	2,580	-	39	39
BACK	-	-	-	-	611	708	-	-	-	61	61	-	6	6
CHEST	1	-	-	-	37	15	6,000	-	-	24,027	24,027	-	39	39
PELVIC REGION	-	-	-	-	82	53	-	-	-	978	978	-	26	26
SHOULDER(S)	-	-	-	-	89	89	-	-	-	3,648	3,648	50	41	41
SHOULDER, NEC	-	-	-	-	16	105	-	-	-	3,581	3,581	-	40	40
TRUNK NEC	-	-	-	-	16	19	-	-	-	668	668	-	42	42
THIGH	-	-	-	-	16	26	-	-	-	620	620	-	39	39
KNEE	-	-	-	-	159	200	-	-	-	6,874	6,874	300	42	42
LOWER LEG	-	-	-	-	27	46	-	-	-	3,834	3,834	-	43	43
ANKLE	-	-	-	-	112	129	-	-	-	2,685	2,685	-	32	32
FOOT	-	-	-	-	70	101	-	-	-	2,365	2,365	-	24	24
TOE(S)	-	-	-	-	12	19	-	-	-	5,077	5,077	1,356	34	34
LOWER EXTREMITIES, NEC	-	-	-	-	52	74	-	-	-	878	878	-	36	36
BODY SYSTEMS	2	-	-	-	11	20	12,000	-	-	1,617	1,617	-	31	31
MULTIPLE PARTS OF BODY	5	1	-	-	123	166	30,000	6,000	-	5,371	11,371	-	7	7
UNCLASSIFIED	-	-	-	-	1	1	-	-	-	4	4	-	4	4
TOTAL OR AVERAGE	13	1	61	1,960	2,022	3,420	78,000	6,000	14,355	66,088	86,443	235	34	81
OFFICE:														
JAW	-	-	-	-	-	1	-	-	-	-	-	-	-	-
SCALP	-	-	-	-	-	1	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	1	-	-	-	-	-	-	-	-
UPPER ARM	-	-	-	-	-	1	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	3	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	3	-	-	-	-	-	-	-	-
BACK	-	-	-	-	4	5	-	-	-	61	61	-	15	15
SHOULDER(S)	-	-	-	-	1	1	-	-	-	4	4	-	4	4
THIGH	-	-	-	-	1	1	-	-	-	7	7	-	7	7
ANKLE	-	-	-	-	1	1	-	-	-	8	8	-	4	4
FOOT	-	-	-	-	2	3	-	-	-	8	8	-	4	4
MULTIPLE PARTS OF BODY	-	-	-	-	2	1	-	-	-	8	8	-	4	4
TOTAL OR AVERAGE	-	-	-	-	8	22	-	-	-	80	80	-	10	10

TABLE 9. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	PERMANENT		TOTAL NFDI	TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		TOTAL	PARTIAL	TOTAL NFDI					TOTAL NFDI						
GRAND TOTAL OR AVERAGE															
EAR	-	-	-	3	3	17	-	-	-	33	-	33	-	-	11
EYE	-	-	2	82	84	301	-	-	2,643	2,861	1,322	2,861	1,322	3	34
JAW	-	-	-	3	3	15	-	-	-	37	-	37	-	12	2
MOUTH/TEETH/TONGUE	-	-	-	1	1	53	-	-	-	2	-	2	-	2	6
NOSE	-	-	-	2	2	13	-	-	-	12	-	12	-	6	2
SCALP	-	-	-	1	1	7	-	-	-	42	-	42	-	-	42
SKULL	-	-	-	1	1	1	-	-	-	266	-	266	-	-	33
FACE, NEC	-	-	-	8	8	36	-	-	-	473	-	473	-	-	15
HEAD, NEC	3	-	-	30	33	90	18,000	-	-	2,282	-	2,282	-	-	34
NECK	2	-	-	68	70	88	12,000	-	-	1,764	-	1,764	-	-	25
UPPER ARM	-	-	-	5	5	9	-	-	-	248	-	248	-	-	15
ELBOW	-	-	-	43	43	63	-	-	-	1,450	-	1,450	-	-	32
FOREARM	-	-	-	17	17	52	-	-	-	1,216	-	1,216	-	-	21
WRIST	-	-	-	46	46	69	-	-	-	3,502	-	3,502	-	-	32
HAND	-	-	-	57	57	177	-	-	-	2,580	-	2,580	-	-	39
FINGER(S)	-	-	20	160	180	582	-	-	3,550	7,052	178	7,052	178	22	39
UPPER EXTREMITIES, NEC	-	-	-	42	42	63	-	-	-	61	-	61	-	-	61
ABDOMEN	-	-	-	10	10	12	-	-	-	24,088	-	24,088	-	-	39
BACK	-	-	-	615	615	713	-	-	-	978	-	978	-	-	184
CHEST	1	-	-	37	38	53	6,000	-	-	1,948	-	3,648	50	26	44
PELVIC REGION	-	-	-	48	82	89	-	-	1,700	3,585	-	3,585	-	40	40
SHOULDER(S)	-	-	34	90	90	106	-	-	-	668	-	668	-	42	42
TRUNK, NEC	-	-	-	16	16	19	-	-	-	620	-	620	-	-	39
THIGH	-	-	-	16	16	27	-	-	-	6,874	-	6,874	-	-	43
KNEE	-	-	-	158	159	200	-	-	300	3,834	300	6,874	300	42	42
LOWER LEG	-	-	-	26	27	46	-	-	3,000	2,692	-	3,834	3,000	32	142
ANKLE	-	-	-	113	113	130	-	-	-	5,077	-	2,692	-	-	24
FOOT	-	-	-	70	72	102	-	-	2,712	5,077	-	5,077	1,356	34	71
TOE(S)	-	-	-	12	13	19	-	-	-	878	-	1,617	450	36	68
LOWER EXTREMITIES, NEC	-	-	-	52	52	74	-	-	-	1,617	-	1,617	-	31	31
BODY SYSTEMS	2	-	-	11	11	20	12,000	-	-	75	-	12,075	-	7	925
MULTIPLE PARTS OF BODY	5	1	-	125	131	169	30,000	6,000	-	11,379	-	41,379	-	43	316
UNCLASSIFIED	-	-	-	1	1	1	-	-	-	4	-	4	-	4	4
TOTAL OR AVERAGE	13	1	61	1,968	2,043	3,442	78,000	14,355	5,000	86,523	235	164,523	235	34	81

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL											
		TOTAL	PARTIAL													
UNDERGROUND MINES:																
UNDERGROUND:																
AMPUTATION/ENUCLEATION----	-	-	9	-	9	9	-	9	-	14	14	-	14	-	67	67
ASPHYXIATION/DROWNING----	-	-	-	2	2	2	-	2	-	03	03	-	03	-	(*)	(*)
BURN/SCALD (NOT CHEM)----	-	-	-	1	1	1	4	5	-	02	02	06	08	-	(*)	(*)
CHEMICAL BURN-----	-	-	-	5	5	5	4	9	-	08	08	06	14	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	-	1	-	02	02	-	02	-	(*)	(*)
CONTUSION OR BRUISE-----	1	-	-	40	40	41	17	58	02	61	62	26	88	91	15	106
CUT OR PUNCTURE-----	1	-	1	49	50	51	201	252	02	76	77	3 05	3 82	91	29	120
DERMATITIS-----	-	-	-	1	1	1	-	1	-	02	02	-	02	-	(*)	(*)
DISLOCATION-----	-	-	-	1	1	1	1	2	-	02	02	02	03	-	1	1
DUST IN EYE-----	-	-	-	3	3	3	22	25	-	05	05	33	38	-	(*)	(*)
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	02	02	-	02	-	(*)	(*)
FRACTURE-----	1	-	-	70	70	71	37	108	02	1 06	1 08	56	1 64	91	67	158
HERNIA (NOT DISC)-----	-	-	11	-	11	11	-	11	-	17	17	-	17	-	8	8
POISONING (SYSTEMIC)-----	-	-	-	-	1	1	-	1	-	02	02	-	02	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	-	1	-	02	02	-	02	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	4	4	4	11	15	-	06	06	17	23	-	2	2
STRAIN/SPRAIN-----	-	-	-	189	189	189	37	226	-	2 87	2 87	56	3 43	-	116	116
MULTIPLE INJURIES-----	5	-	-	58	58	63	41	104	08	88	96	62	1 58	455	46	501
OTHER INJURY, NEC-----	-	-	-	5	5	5	2	7	-	08	08	03	11	-	1	1
UNCLASSIFIED (NO DATA)----	-	-	-	11	11	11	2	13	-	17	17	03	20	-	4	4
TOTAL OR AVERAGE----	8	-	21	443	464	472	379	851	12	7 04	7 16	5 75	12 91	728	356	1 084
SURFACE AT UNDERGROUND:																
BURN/SCALD (NOT CHEM)----	-	-	-	3	3	3	1	4	-	17	17	06	22	-	1	1
CHEMICAL BURN-----	-	-	-	1	1	1	-	1	-	06	06	-	06	-	1	1
CONCUSSION (CEREBRAL)----	-	-	-	1	1	1	-	1	-	06	06	-	06	-	(*)	(*)
CONTUSION OR BRUISE-----	-	-	-	9	9	9	3	12	-	50	50	17	67	-	14	14
CUT OR PUNCTURE-----	-	-	-	6	6	6	30	36	-	34	34	1 68	2 01	-	4	4
DISLOCATION-----	-	-	-	1	1	1	-	1	-	06	06	-	06	-	(*)	(*)
DUST IN EYE-----	-	-	-	-	-	-	3	3	-	-	-	17	17	-	-	-
FRACTURE-----	-	-	-	5	5	5	5	10	-	28	28	28	56	-	15	15
HERNIA (NOT DISC)-----	-	-	1	-	1	1	-	1	-	06	06	-	06	-	3	3
POISONING (SYSTEMIC)-----	-	-	-	1	1	1	1	2	-	06	06	06	11	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	1	1	1	-	1	-	06	06	-	06	-	(*)	(*)
STRAIN/SPRAIN-----	-	-	-	33	33	33	11	44	-	1 84	1 84	61	2 46	-	68	68
MULTIPLE INJURIES-----	-	-	-	2	2	2	5	7	-	11	11	28	39	-	2	2
OTHER INJURY, NEC-----	-	-	-	1	1	1	1	2	-	06	06	06	11	-	5	5
UNCLASSIFIED (NO DATA)----	-	-	-	2	2	2	2	4	-	11	11	11	22	-	7	7
TOTAL OR AVERAGE----	-	-	1	66	67	67	62	129	-	3 74	3 74	3 46	7 20	-	121	121

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDI	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY												TOTAL NFDL
		TOTAL	PARTIAL													
TOTAL OR AVERAGE, UG	-	-	9	-	9	9	-	9	-	.11	.11	-	.11	-	53	53
AMPUTATION/ENUCLEATION	-	-	-	2	2	2	-	2	-	.02	.02	-	.02	-	(*)	(*)
ASPHYXIATION/DROWNING	-	-	-	4	4	4	5	9	-	.05	.05	.06	.11	-	(*)	(*)
BURN/SCALD (NOT CHEM.)	-	-	-	6	6	6	4	10	-	.07	.07	.05	.12	-	(*)	(*)
CHEMICAL BURN	-	-	-	2	2	2	-	2	-	.02	.02	-	.02	-	(*)	(*)
CONCUSSION (CEREBRAL)	1	-	-	49	49	50	20	70	.01	.58	.60	.24	.84	.72	15	86
CONTUSION OR BRUISE	1	-	1	55	56	57	231	288	.01	.67	.68	2.76	3.44	.72	23	95
CUT OR PUNCTURE	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
DERMATITIS	-	-	-	2	2	2	1	3	-	.02	.02	.01	.04	-	1	1
DISLOCATION	-	-	-	3	3	3	23	28	-	.04	.04	.30	.33	-	(*)	(*)
DUST IN EYE	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
ELECTRIC SHOCK	1	-	-	75	75	76	42	118	.01	.89	.91	.50	1.41	.72	56	127
FRACTURE	-	-	12	-	12	12	-	12	-	.14	.14	-	.14	-	7	7
HERNIA (NOT DISC)	-	-	-	2	2	2	1	3	-	.02	.02	.01	.04	-	(*)	(*)
POISONING (SYSTEMIC)	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	-	5	5	5	11	16	-	.06	.06	.13	.19	-	1	1
SCRATCH/ABRASION	-	-	-	222	222	222	48	270	-	2.65	2.65	.57	3.22	-	105	105
STRAIN/SPRAIN	5	-	-	60	60	65	46	111	.06	.72	.78	.55	1.32	.358	37	395
MULTIPLE INJURIES	-	-	-	6	6	6	3	9	-	.07	.07	.04	.11	-	2	2
OTHER INJURY, NEC	-	-	-	13	13	13	4	17	-	.16	.16	.05	.20	-	4	4
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	8	-	22	509	531	539	441	980	.10	6.33	6.43	5.26	11.69	.573	306	878
SURFACE MINES																
OPEN PIT																
AMPUTATION/ENUCLEATION	-	-	7	-	7	7	-	7	-	.04	.04	-	.04	-	7	7
ASPHYXIATION/DROWNING	-	-	-	1	1	1	-	1	-	.01	.01	-	.01	-	(*)	(*)
BURN/SCALD (NOT CHEM.)	-	-	-	8	8	8	6	14	-	.05	.05	.03	.08	-	(*)	(*)
CHEMICAL BURN	-	-	-	5	5	5	12	17	-	.03	.03	.07	.10	-	(*)	(*)
CONCUSSION (CEREBRAL)	-	-	-	2	2	2	-	2	-	.01	.01	-	.01	-	(*)	(*)
CONTUSION OR BRUISE	-	-	-	59	59	59	13	72	-	.34	.34	.07	.41	-	6	6
CUT OR PUNCTURE	-	-	-	44	44	44	154	198	-	.25	.25	.88	1.13	-	3	3
DISLOCATION	-	-	-	6	6	6	1	7	-	.03	.03	.01	.04	-	2	2
DUST IN EYE	-	-	-	7	7	7	13	20	-	.04	.04	.07	.11	-	(*)	(*)
ELECTRIC SHOCK	2	-	-	-	-	2	-	2	.01	-	.01	-	.01	.69	-	69
FRACTURE	-	-	-	62	62	62	33	95	-	.35	.35	.19	.54	-	19	19
HERNIA (NOT DISC)	-	-	10	-	10	10	1	11	-	.06	.06	.01	.06	-	3	3
POISONING (SYSTEMIC)	-	-	-	1	1	1	4	5	-	.01	.01	.02	.03	-	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	-	7	7	7	4	11	-	.04	.04	.02	.06	-	(*)	(*)
SCRATCH/ABRASION	-	-	-	8	8	8	7	15	-	.05	.05	.04	.09	-	(*)	(*)
STRAIN/SPRAIN	-	-	-	354	354	354	57	411	-	2.02	2.02	.33	2.35	-	67	67
MULTIPLE INJURIES	3	1	-	46	47	50	26	76	.02	.27	.29	.15	.43	.103	42	145
OTHER INJURY, NEC	-	-	1	6	7	7	3	10	-	.04	.04	.02	.06	-	12	12
UNCLASSIFIED (NO DATA)	-	-	-	20	20	20	2	22	-	.11	.11	.01	.13	-	3	3
TOTAL OR AVERAGE	5	1	18	636	655	660	336	996	.03	3.74	3.77	1.92	5.69	.171	165	336

TABLE 10 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY												
		TOTAL	PARTIAL		TOTAL NFDL											
DREDGE																
BURN/SCALD (NOT CHEM)	-	-	-	1	1	1	-	1	-	24	24	-	24	-	3	3
CONTUSION OR BRUISE	-	-	-	1	1	1	-	1	-	24	24	-	24	-	1	1
CUT OR PUNCTURE	-	-	-	-	-	-	5	5	-	-	-	1 18	1 18	-	-	-
STRAIN/SPRAIN	-	-	-	4	4	4	1	5	-	95	95	24	1 18	-	25	25
MULTIPLE INJURIES	-	-	-	2	2	2	-	2	-	47	47	-	47	-	3	3
TOTAL OR AVERAGE	-	-	-	8	8	8	6	14	-	1 90	1 90	1 42	3 32	-	33	33
TOTAL OR AVERAGE, SURFACE																
AMPUTATION/ENUCLEATION	-	-	7	-	7	7	-	7	-	04	04	-	04	-	7	7
ASPHYXIATION/DROWNING	-	-	-	1	1	1	-	1	-	01	01	-	01	-	(*)	(*)
BURN/SCALD (NOT CHEM)	-	-	-	9	9	9	6	15	-	05	05	03	08	-	(*)	(*)
CHEMICAL BURN	-	-	-	5	5	5	12	17	-	03	03	07	09	-	(*)	(*)
CONCUSSION (CEREBRAL)	-	-	-	2	2	2	-	2	-	01	01	-	01	-	(*)	(*)
CONTUSION OR BRUISE	-	-	-	60	60	60	13	73	-	33	33	07	41	-	6	6
CUT OR PUNCTURE	-	-	-	44	44	44	159	203	-	25	25	89	1 13	-	3	3
DISLOCATION	-	-	-	6	6	6	1	7	-	03	03	01	04	-	2	2
DUST IN EYE	-	-	-	7	7	7	13	20	-	04	04	07	11	-	(*)	(*)
ELECTRIC SHOCK	2	-	-	-	-	2	-	2	01	-	01	-	01	67	-	67
FRACTURE	-	-	-	62	62	62	33	95	-	35	35	18	53	-	18	18
HERNIA (NOT DISC)	-	-	10	-	10	10	1	11	-	06	06	01	06	-	3	3
POISONING (SYSTEMIC)	-	-	-	1	1	1	4	5	-	01	01	02	03	-	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	-	7	7	7	4	11	-	04	04	02	06	-	(*)	(*)
SCRATCH/ABRASION	-	-	-	8	8	8	7	15	-	04	04	04	08	-	(*)	(*)
STRAIN/SPRAIN	-	-	-	358	358	358	58	416	-	2 00	2 00	32	2 32	-	66	66
MULTIPLE INJURIES	3	1	-	48	49	52	26	78	02	27	29	15	44	100	41	141
OTHER INJURY, NEC	-	-	1	6	7	7	3	10	-	04	04	02	06	-	11	11
UNCLASSIFIED (NO DATA)	-	-	-	20	20	20	2	22	-	11	11	01	12	-	3	3
TOTAL OR AVERAGE	5	1	18	644	663	668	342	1,010	03	3 70	3 73	1 91	5 64	167	162	329

TABLE 10 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES								INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL											
		TOTAL	PARTIAL													
TOTAL OR AVERAGE, MINING	-	-	16	-	16	16	-	16	-	06	06	-	06	-	22	22
AMPUTATION/ENUCLEATION	-	-	-	3	3	3	-	3	-	01	01	-	01	-	(*)	(*)
ASPHYXIATION/DROWNING	-	-	-	13	13	13	11	24	-	05	05	04	09	-	(*)	(*)
BURN/SCALD (NOT CHEM)	-	-	-	11	11	11	16	27	-	04	04	06	10	-	(*)	(*)
CHEMICAL BURN	-	-	-	4	4	4	-	4	-	02	02	-	02	-	(*)	(*)
CONCUSSION (CEREBRAL)	1	-	-	109	109	110	33	143	(*)	41	42	13	54	23	9	32
CONTUSION OR BRUISE	1	-	1	99	100	101	390	491	(*)	38	38	1.48	1.87	23	10	32
CUT OR PUNCTURE	-	-	-	1	1	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
DERMATITIS	-	-	-	8	8	8	2	10	-	03	03	01	04	-	1	1
DISLOCATION	-	-	-	10	10	10	38	48	-	04	04	14	18	-	(*)	(*)
DUST IN EYE	-	-	-	1	1	1	-	1	-	(*)	01	-	01	46	(*)	46
ELECTRIC SHOCK	2	-	-	-	-	-	-	3	01	(*)	01	-	01	-	-	-
FRACTURE	1	-	-	137	137	138	75	213	(*)	52	52	29	81	23	10	53
HERNIA (NOT DISC)	-	-	22	-	22	22	1	23	-	08	08	(*)	09	-	4	4
POISONING (SYSTEMIC)	-	-	-	3	3	3	5	8	-	01	01	02	03	-	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	-	8	8	8	4	12	-	03	03	02	05	-	(*)	(*)
SCRATCH/ABRASION	-	-	-	13	13	13	18	31	-	05	05	07	12	-	(*)	(*)
STRAIN/SPRAIN	-	-	-	580	580	580	106	686	-	2.21	2.21	40	2.61	-	79	79
MULTIPLE INJURIES	8	1	-	108	109	117	72	189	03	41	44	27	72	183	39	222
OTHER INJURY, NEC	-	-	1	12	13	13	6	19	-	05	05	02	07	-	8	8
UNCLASSIFIED (NO DATA)	-	-	-	33	33	33	6	39	-	13	13	02	15	-	4	4
TOTAL OR AVERAGE	13	1	40	1,153	1,194	1,207	783	1,990	05	4.54	4.59	2.98	7.57	297	208	504
INDEPENDENT SHOPS:																
BURN/SCALD (NOT CHEM)	-	-	-	-	-	-	2	2	-	-	-	53	53	-	-	-
CONTUSION OR BRUISE	-	-	-	-	-	-	2	2	-	-	-	53	53	-	-	-
CUT OR PUNCTURE	-	-	-	5	5	5	4	9	-	1.32	1.32	1.06	2.38	-	33	33
DUST IN EYE	-	-	-	-	-	-	3	3	-	-	-	79	79	-	-	-
HERNIA (NOT DISC)	-	-	2	-	2	2	2	2	-	53	53	-	53	-	26	26
STRAIN/SPRAIN	-	-	-	15	15	15	1	16	-	3.96	3.96	26	4.23	-	94	94
TOTAL OR AVERAGE	-	-	2	20	22	22	12	34	-	5.81	5.81	3.17	8.99	-	153	153

TABLE 10. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY												TOTAL NFDL
		TOTAL	PARTIAL													
PROCESSING PLANTS																
AMPUTATION/ENUCLEATION----	-	-	7	-	7	7	-	03	03	-	03	-	-	18	18	
BURN/SCALD (NOT CHEM)----	-	-	-	9	9	9	16	25	04	04	08	12	-	1	1	
CHEMICAL BURN-----	-	-	-	24	24	24	37	61	12	12	18	30	-	2	2	
CONCUSSION (CEREBRAL)-----	-	-	-	2	2	2	1	3	01	01	(+)	01	-	(+)	(+)	
CONTUSION OR BRUISE-----	-	-	-	84	84	84	26	110	41	41	13	54	-	12	12	
CUT OR PUNCTURE-----	-	-	-	60	60	60	254	314	29	29	1 24	1 53	-	4	4	
DERMATITIS-----	-	-	-	3	3	3	3	6	01	01	01	03	-	(+)	(+)	
DISLOCATION-----	-	-	-	5	5	5	2	7	02	02	01	03	-	1	1	
DUST IN EYE-----	-	-	-	6	6	6	29	35	03	03	14	17	-	(+)	(+)	
ELECTRIC SHOCK-----	-	-	-	2	2	2	-	2	01	01	-	01	-	(+)	(+)	
FRACTURE-----	-	-	1	61	62	62	86	148	30	30	42	72	-	16	16	
HERNIA (NOT DISC)-----	-	-	10	-	10	10	-	10	05	05	-	05	-	2	2	
POISONING (SYSTEMIC)-----	-	-	-	2	2	2	2	4	01	01	01	02	-	(+)	(+)	
RADIATION/ULTRA VIOLET-----	-	-	-	4	4	4	8	12	02	02	04	06	-	1	1	
SCRATCH/ABRASION-----	-	-	-	6	6	6	8	14	03	03	04	07	-	(+)	(+)	
STRAIN/SPRAIN-----	-	-	1	453	454	454	73	527	2 22	2 22	36	2 58	-	77	77	
MULTIPLE INJURIES-----	-	-	-	47	47	47	32	79	23	23	16	39	-	13	13	
OTHER INJURY, NEC-----	-	-	-	6	6	6	7	13	03	03	03	06	-	(+)	(+)	
UNCLASSIFIED (NO DATA)-----	-	-	-	13	13	13	6	19	06	06	03	09	-	4	4	
TOTAL OR AVERAGE-----	-	-	19	787	806	806	590	1,396	3 94	3 94	2 88	6 82	-	153	153	

TABLE 10 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT		TEMPORARY											
		TOTAL	PARTIAL	TOTAL	NFDL										
TOTAL OR AVERAGE															
ALL MINES AND PLANTS:															
AMPUTATION/ENUCLEATION		23		3	23	23		23		05	05	05		20	20
ASPHYXIATION/DROWNING				3	3	3		3		01	01	01		01	01
BURN/SCALD (NOT CHEM)				22	22	22	29	51		05	05	11		1	1
CHEMICAL BURN (NOT CHEM)				35	35	35	53	88		07	07	19		1	1
CONCUSSION (CEREBRAL)				6	6	6	1	7		01	01	01		01	01
CONTUSION OR BRUISE	1	1		193	193	194	61	255	(*)	41	41	13	13	10	23
CUT OR PUNCTURE	1	1		164	165	166	648	814	(*)	35	35	1 37	13	7	20
DERMATITIS				4	4	4	3	7		01	01	01		01	01
DISLOCATION				13	13	13	4	17		03	03	01		04	04
DUST IN EYE				16	16	16	70	86		03	03	15		15	15
ELECTRIC SHOCK	2			3	3	5		5	(*)	01	01	01	25	01	26
FRACTURE	1	1		198	199	200	161	361	(*)	42	42	34	13	24	37
HERNIA (NOT DISC)		34		34	34	34	1	35		07	07	07		4	4
POISONING (SYSTEMIC)				5	5	5	7	12		01	01	01		01	01
RADIATION/ULTRA VIOLET				12	12	12	12	24		03	03	05		05	05
SCRATCH/ABRASION				19	19	19	26	45		04	04	06		06	06
STRAIN/SPRAIN		1		1 048	1 049	1 049	180	1 229		2 23	2 23	38		78	78
MULTIPLE INJURIES	8	1		155	156	164	104	266	02	33	35	22	102	28	130
OTHER INJURY, NEC		1		18	19	19	13	32		04	04	03		5	5
UNCLASSIFIED (NO DATA)				46	46	46	12	58		10	10	03		4	4
TOTAL OR AVERAGE	13	1	61	1 960	2 022	2 035	1 385	3 420	03	4 29	4 32	2 94	165	183	349
OFFICE:															
CONTUSION OR BRUISE							1	1				02			
CUT OR PUNCTURE				8	8	8	8	12		13	13	07		1	1
STRAIN/SPRAIN							1	1				02			
MULTIPLE INJURIES															
TOTAL OR AVERAGE				8	8	8	14	22		13	13	23		1	1

TABLE 10 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES				
	FATAL	PERMANENT			TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		TOTAL	PARTIAL	TOTAL													
GRAND TOTAL OR AVERAGE	-	23	-	3	23	23	-	-	23	04	04	04	-	04	-	18	18
AMPUTATION/EMULCATION	-	-	-	3	3	3	-	-	3	01	01	01	-	01	-	(*)	(*)
ASPHYXIATION/DROWNING	-	-	-	22	22	22	29	51	04	04	04	05	10	10	-	1	1
BURN/SCALD (NOT CHEM.)	-	-	-	35	35	35	53	88	07	07	07	10	17	17	-	1	1
CHEMICAL BURN (CEREBRAL)	-	-	-	6	6	6	1	7	01	01	01	(*)	01	01	-	(*)	(*)
CONCUSSION (CEREBRAL)	-	-	-	193	193	194	62	256	36	36	36	12	48	48	11	9	20
CONTUSION OR BRUISE	1	-	-	164	165	166	656	822	(*)	31	31	1	23	1	11	6	18
CUT OR PUNCTURE	-	1	-	4	4	4	3	7	01	01	01	01	01	01	-	(*)	(*)
DERMATITIS	-	-	-	13	13	13	4	17	-	02	02	01	01	02	-	1	1
DISLOCATION	-	-	-	16	16	16	70	86	03	03	03	13	16	16	-	(*)	(*)
DUST IN EYE	-	-	-	3	3	5	-	5	-	01	01	-	-	01	-	(*)	(*)
ELECTRIC SHOCK	2	-	-	198	199	200	161	361	(*)	37	38	30	68	23	23	32	32
FRACTURE	1	-	-	34	34	34	7	35	06	06	06	06	11	11	11	21	21
HERNIA (NOT DISC)	-	-	-	5	5	5	12	12	01	01	01	01	01	01	-	(*)	(*)
POISONING (SYSTEMIC)	-	-	-	12	12	12	12	24	02	02	02	02	05	05	-	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	-	19	19	19	26	45	04	04	04	05	08	08	-	(*)	(*)
SCRATCH/ABRASION	-	-	-	1,057	1,057	1,057	184	1,241	1	99	1	35	33	2	33	69	69
STRAIN/SPRAIN	-	-	-	155	156	164	105	269	02	29	31	20	20	51	90	25	115
MULTIPLE INJURIES	8	1	-	18	19	19	13	34	04	04	04	02	06	11	-	4	4
OTHER INJURY, NEC	-	-	-	46	46	46	12	58	-	09	09	02	11	11	-	3	3
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	13	1	61	1,968	2,030	2,043	1,399	3,442	02	3	82	3	84	2	63	147	163

TABLE 11. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NFI	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL				
UNDERGROUND MINES														
UNDERGROUND														
ASPHALTATION/PAVING														
BURN/SCALD (NOT CHEM.)														
CHEMICAL BURN														
CONCUSSION (CEREBRAL)														
CONCUSSION OR BRUISE														
CUT OR PUNCTURE														
DERMATITIS														
DISLOCATION														
DUST IN EYE														
ELECTRIC SHOCK														
FRACURE														
HEMIA (NOT DISC)														
POISONING (SYSTEMIC)														
RADIATION/ULTRA VIOLET														
SCRATCH/ABRASION														
STRAIN/SPLAIN														
MULTIPLE INJURIES														
OTHER INJURY, NEC														
UNCLASSIFIED (NO DATA)														
TOTAL OR AVERAGE	8	21	443	464	472	351	379	48 000	5 875	17 582	23 467	280	40	151
SURFACE AT UNDERGROUND														
BURN/SCALD (NOT CHEM.)														
CHEMICAL BURN														
CONCUSSION (CEREBRAL)														
CONCUSSION OR BRUISE														
CUT OR PUNCTURE														
DISLOCATION														
DUST IN EYE														
FRACURE														
HEMIA (NOT DISC)														
POISONING (SYSTEMIC)														
SCRATCH/ABRASION														
STRAIN/SPLAIN														
MULTIPLE INJURIES														
OTHER INJURY, NEC														
UNCLASSIFIED (NO DATA)														
TOTAL OR AVERAGE														

TABLE 11 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	NFDL			NC	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	AVERAGE SEVERITY						
	FATAL	PERMANENT		TEMPORARY	TOTAL NFDL			TOTAL FATAL AND NFDL	TOTAL	PARTIAL				TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL		PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY		
		TOTAL	PARTIAL																				TOTAL	PARTIAL
TOTAL OR AVERAGE U.S.		9		9	9	9		4,425		4,425		4,425		4,425	492		492		492					
AMPUTATION/EMULSION			2	2	2		2			4														
ASPHYXIATION/CHOKING			4	4	4		4			27														
BURN/SCALD (NOT CHEM.)			6	6	6		6			32														
CHEMICAL BURN			2	2	2		2			4														
CONCUSSION (CEREBRAL)			49	49	49		49			1,235														
CONCUSSION OR BRUISE	1	1	55	56	57	20	288	6,000	900															
CUT OR PUNCTURE			1	1	1		1			1,957														
DERMATITIS			2	2	2		2			3														
DISLOCATION			3	3	3		3			50														
DUST IN EYE			1	1	1		1			8														
ELECTRIC SHOCK			75	75	75	42	118	5,000		4,663														
FRACTURE	1	12																						
HERNIA (NOT DISC.)			2	2	2		2			5														
POISONING (SYSTEMIC)			1	1	1		1			30														
RADIATION/ULTRA VIOLET			5	5	5		5			108														
SCALD/ABRASION			222	222	222	48	270			8,834														
STRAIN/SPRAIN			60	60	60	65	111	30,000		3,081														
MULTIPLE INJURIES	5		16	16	16	3	9			191														
OTHER INJURY NEC.			13	13	13		13			372														
UNCLASSIFIED (NO DATA)																								
TOTAL OR AVERAGE	8	22	509	531	539	441	980	48,000	5,925	19,705	73,634	269	39	73,634	492		492		492					
SURFACE MINES																								
OPEN P		7		7	7		7		1,265		1,265	181		1,265										
AMPUTATION/EMULSION			1	1	1		1			1														
ASPHYXIATION/CHOKING			8	8	8		8			38														
BURN/SCALD (NOT CHEM.)			5	5	5		5			41														
CHEMICAL BURN			2	2	2		2			16														
CONCUSSION (CEREBRAL)			49	49	49		49			1,107														
CONCUSSION OR BRUISE			44	44	44		44			567														
CUT OR PUNCTURE			6	6	6		6			310														
DISLOCATION			7	7	7		7			11														
DUST IN EYE																								
ELECTRIC SHOCK	2		62	62	62	33	95	12,000		3,264														
FRACTURE		10	10	10	10		10		500		500	50												
HERNIA (NOT DISC.)			1	1	1		1			17														
POISONING (SYSTEMIC)			7	7	7		7			13														
RADIATION/ULTRA VIOLET			8	8	8		8			19														
SCALD/ABRASION			354	354	354	57	411			11,737														
STRAIN/SPRAIN			46	46	46	26	76	18,000		1,286														
MULTIPLE INJURIES	3	1	7	7	7	3	10		6,000		2,043	1,743	50	2,043										
OTHER INJURY NEC.			20	20	20		20			603														
UNCLASSIFIED (NO DATA)																								
TOTAL OR AVERAGE	5	1	536	555	560	336	996	30,000	6,000	19,324	58,832	195	30	58,832	492		492		492					

TABLE 11 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	NFIDL			PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TOTAL						TEMPO RARY	TOTAL NFIDL					
			TOTAL	PARTIAL											
											TOTAL				PARTIAL
DREDGE															
BURN/SCALD (NOT CHEM.)			1		1	1								14	14
CONCUSSION OR BRUISE			1		1	5								5	5
CUT OR PUNCTURE			4		4	5								27	27
STRAIN/SPRAIN			2		2	2								12	6
MULTIPLE INJURIES			8		8	14								138	17
TOTAL OR AVERAGE															
TOTAL OR AVERAGE SURFACE															
ASPHALTATION/PAVING			7		7	7				1,265				1,265	181
BURN/SCALD (NOT CHEM.)			1		1	1								1	1
CHEMICAL BURN			9		9	15								52	8
CONCUSSION (CEREBRAL)			5		5	12								41	8
CONCUSSION OR BRUISE			2		2	2								16	16
CUT OR PUNCTURE			60		60	73								1,112	19
DISLOCATION			44		44	203								561	13
DUST IN EYE			6		6	159								370	52
ELECTRIC SHOCK			7		7	7								11	2
FRACTURE			62		62	20		12,000						12,000	6,000
HERNIA (NOT DISC)			10		10	95				500				3,264	53
POISONING (SYSTEMIC)			1		1	11								17	17
RADIATION (ULTRA VIOLET)			7		7	5								13	2
SCALD/ABRASION			8		8	15								19	2
STRAIN/SPRAIN			358		358	416								11,844	33
MULTIPLE INJURIES			48		48	78								7,298	27
OTHER INJURY, NEC.			6		6	10								25,298	486
UNCLASSIFIED (NO DATA)			20		20	22								2,043	202
TOTAL OR AVERAGE	5	1	18		563	1,010	342	30,000	6,000	3,508	19,462	195	30	58,970	88

TABLE 11 NUMBER OF INJURIES, LOSI MONDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES										LOSI MONDAYS				AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPO RARY	TOTAL					TOTAL	PERMANENT	TEMPO RARY					TOTAL	
																	TOTAL
TOTAL OR AVERAGE MINING																	
ASPHALTATION/PAVING																	
BURN/SCALD (NOT CHEM)																	
CHEMICAL BURN																	
CONCUSSION (CEREBRAL)																	
CONCUSSION OR BRUISE																	
CUT OR PUNCTURE																	
DEFORMITIES																	
DISLOCATION																	
DUST IN EYE																	
ELECTRIC SHOCK																	
FRACTURE																	
HERNIA (NOT DISC)																	
POISONING (SYSTEMIC)																	
RADIATION/CUT RFA VIOLET																	
SCALD/ABRASION																	
SPRAIN/SPRAIN																	
MULTIPLE INJURIES																	
OTHER INJURY NEC																	
UNCLASSIFIED AND DATA																	
TOTAL OR AVERAGE	13	1	40	1,153	1,194	1,207	793	1,990	78,000	6,000	9,433	39,171	54,604	132,604	236	34	110
INDEPENDENT SHOPS																	
BURN/SCALD (NOT CHEM)																	
CONCUSSION OR BRUISE																	
CUT OR PUNCTURE																	
DUST IN EYE																	
HERNIA (NOT DISC)																	
SPRAIN/SPRAIN																	
TOTAL OR AVERAGE			2	20	22	22	12	34			100	478	578		50	24	26

TABLE 11. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI		
		TOTAL	PERMANENT	TEMPORARY					PERMANENT		TOTAL NFI						
									TOTAL	PARTIAL							
																TOTAL	PARTIAL
PROCESSING PLANTS																	
AMPUTATION/ENGULFMENT																	
BURN/SCALD (HOT CHEM.)																	
CHEMICAL BURN																	
CONCUSSION (CEREBRAL)																	
CONTUSION OR BRUISE																	
CUT OR PUNCTURE																	
DERMATITIS																	
DISLOCATION																	
DUST IN EYE																	
ELECTRIC SHOCK																	
FRACTURE																	
HERNIA (NOT DISC)																	
POISONING (SYSTEMIC)																	
RADIATION/ULTRA VIOLET																	
SCALD/ABRASION																	
STRAIN/SPRAIN																	
MULTIPLE INJURIES																	
OTHER INJURY, NEC.																	
UNCLASSIFIED (NO DATA)																	
TOTAL OR AVERAGE																	

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1951 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI			
		TOTAL	PERMANENT	PARTIAL				TOTAL	PERMANENT	PARTIAL							
TOTAL OR AVERAGE	13	1	61	1,960	2,022	2,035	1,385	3,420	78,000	6,000	14,355	66,088	86,443	235	34	81	
OFFICE	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE	-	-	-	-	-	-	8	8	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	8	8	8	4	12	-	-	-	80	80	-	-	10	10
STRAIN/SPRAIN	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES	-	-	-	8	8	8	14	22	-	-	-	80	80	-	-	10	10
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 11 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL	PARTIAL	TOTAL NFDL					
	TOTAL	PARTIAL													
GRAND TOTAL OR AVERAGE	13	1	61	1,968	2,030	2,043	3,442	78,000	6,000	14,355	86,523	235	34	81	
AMPUTATION/ENUCLEATION															
ASPHYXIATION/CHOKING															
BURN/SCALD (NOT CHEM.)															
CHEMICAL BURN															
CONCUSSION (CEREBRAL)															
CONTUSION OR BRUISE															
CUT OR PUNCTURE															
DERMATITIS															
DISLOCATION															
DUST IN EYE															
ELECTRIC SHOCK															
FRACTURE															
HERNIA (NOT DISC)															
POISONING (SYSTEMIC)															
RADIATION/ULTRA VIOLET															
SCRAATCH/ABRASION															
STRAIN/SPRAIN															
MULTIPLE INJURIES															
OTHER INJURY, NEC															
UNCLASSIFIED (NO DATA)															

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NFI	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPO- RARY	TOTAL NFDL					
EAR																
BURN/SCALD (NOT CHEM)	-	-	-	2	2	6	4	-	-	-	3	-	2	2	2	2
CUT OR PUNCTURE	-	-	-	1	1	10	10	-	-	-	30	-	30	30	30	30
OTHER INJURY, NEC	-	-	-	3	3	17	14	-	-	-	33	-	11	11	11	11
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE																
BURN/SCALD (NOT CHEM)	-	-	-	2	2	3	1	-	-	-	2	-	2	2	2	2
CHEMICAL BURN	-	-	-	16	16	50	34	-	-	-	66	-	66	66	66	66
CONTUSION OR BRUISE	-	-	-	1	1	1	1	-	-	-	2	-	2	2	2	2
CUT OR PUNCTURE	-	-	-	15	16	81	65	-	-	-	931	900	900	900	900	900
DUST IN EYE	-	-	-	16	16	86	70	-	-	-	31	-	31	31	31	31
RADIATION/ULTRA VIOLET	-	-	-	10	10	20	10	-	-	-	17	-	17	17	17	17
SCRATCH/ABRASION	-	-	-	16	16	41	25	-	-	-	43	-	43	43	43	43
MULTIPLE INJURIES	-	-	-	4	4	8	4	-	-	-	19	-	19	19	19	19
OTHER INJURY, NEC	-	-	-	2	3	11	8	-	-	-	7	1,743	1,743	1,743	1,743	1,750
TOTAL OR AVERAGE	-	-	-	82	84	301	217	-	-	-	218	2,643	2,861	2,861	2,861	34
JAW																
CUT OR PUNCTURE	-	-	-	1	1	11	10	-	-	-	13	-	13	13	13	13
FRACTURE	-	-	-	2	2	3	1	-	-	-	24	-	24	24	24	24
MULTIPLE INJURIES	-	-	-	3	3	15	12	-	-	-	37	-	37	37	37	37
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE																
BURN/SCALD (NOT CHEM)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	24	24	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	-	1	1	7	6	-	-	-	2	-	2	2	2	2
MULTIPLE INJURIES	-	-	-	1	1	53	52	-	-	-	2	-	2	2	2	2
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE																
CONTUSION OR BRUISE	-	-	-	1	1	1	9	-	-	-	6	-	6	6	6	6
CUT OR PUNCTURE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	-	1	1	2	1	-	-	-	6	-	6	6	6	6
MULTIPLE INJURIES	-	-	-	2	2	13	11	-	-	-	12	-	12	12	12	12
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALP																
CUT OR PUNCTURE	-	-	-	-	-	7	7	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 12 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFIL			TOTAL FATAL AND NFIL	NOI	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		PERMANENT	TOTAL						TEMPO- RARY	TOTAL NFIL					
			TOTAL	PARTIAL											
SKULL FRACTURE-----	-	-	1	1	1	-	1	-	-	-	42	-	-	42	42
TOTAL OR AVERAGE-----	-	-	1	1	1	-	1	-	-	-	42	-	-	42	42
FACE, NEC	-	-	1	1	1	-	1	-	-	-	2	-	-	2	2
BURN/SCALD (NOT CHEM)-----	-	-	2	2	2	-	2	-	-	-	3	-	-	3	3
CHEMICAL BURN-----	-	-	1	1	1	21	22	-	-	-	13	-	-	13	13
CUT OR PUNCTURE-----	-	-	1	1	1	5	6	-	-	-	56	-	-	56	56
FRACTURE-----	-	-	3	3	3	8	11	-	-	-	192	-	-	192	192
MULTIPLE INJURIES-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
OTHER INJURY, NEC-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	8	8	8	28	36	-	-	-	266	-	-	33	33
HEAD, NEC	-	-	6	6	6	-	6	-	-	-	28	-	-	28	28
CONCUSSION (CEREBRAL)-----	-	-	3	3	3	1	4	-	-	-	9	-	-	9	9
CONCUSSION OR BRUISE-----	-	-	10	10	10	47	57	-	-	-	46	-	-	46	46
CUT OR PUNCTURE-----	-	-	1	1	1	1	2	-	-	-	7	-	-	7	7
DERMATITIS-----	-	-	2	2	2	8	10	-	-	-	59	-	-	59	59
FRACTURE-----	-	-	6	6	6	9	15	-	-	-	229	-	-	229	229
MULTIPLE INJURIES-----	3	-	2	2	2	1	3	-	-	-	95	-	-	95	95
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	3	-	30	30	33	57	90	-	-	-	473	-	-	18,473	560
NECK	-	-	2	2	2	-	2	-	-	-	3	-	-	3	3
CUT OR PUNCTURE-----	-	-	3	3	3	2	5	-	-	-	45	-	-	45	45
FRACTURE-----	1	-	57	57	57	16	73	-	-	-	2,090	-	-	2,090	2,090
STRAIN/SPRAIN-----	-	-	1	1	1	-	1	-	-	-	17	-	-	17	17
MULTIPLE INJURIES-----	-	-	2	2	2	-	2	-	-	-	49	-	-	49	49
OTHER INJURY, NEC-----	-	-	3	3	3	-	3	-	-	-	78	-	-	78	78
UNCLASSIFIED (NO DATA)-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	2	-	68	68	70	18	88	-	-	-	2,282	-	-	14,282	204
UPPER ARM	-	-	1	1	1	-	1	-	-	-	5	-	-	5	5
CONCUSSION OR BRUISE-----	-	-	2	2	2	3	5	-	-	-	22	-	-	22	22
CUT OR PUNCTURE-----	-	-	1	1	1	1	2	-	-	-	95	-	-	95	95
DERMATITIS-----	-	-	1	1	1	-	1	-	-	-	5	-	-	5	5
STRAIN/SPRAIN-----	-	-	5	5	5	4	9	-	-	-	127	-	-	127	127
MULTIPLE INJURIES-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	5	5	5	4	9	-	-	-	127	-	-	25	25

TABLE 12 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					PERMANENT		TEMPO- RARY					TOTAL NFDL
									TOTAL	PARTIAL						
ELBOW:																
CONTUSION OR BRUISE	-	-	14	14	14	1	15	-	-	-	589	589	-	42	42	
CUT OR PUNCTURE	-	-	2	2	2	7	9	-	-	-	16	16	-	8	8	
DERMATITIS	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FRACTURE	-	-	7	7	7	3	10	-	-	-	458	458	-	65	65	
STRAIN/SPRAIN	-	-	19	19	19	4	23	-	-	-	682	682	-	36	36	
MULTIPLE INJURIES	-	-	-	-	-	1	1	-	-	-	19	19	-	19	19	
OTHER INJURY, NEC	-	-	1	1	1	2	3	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	43	43	43	20	63	-	-	-	1,764	1,764	-	41	41	
FOREARM:																
BURN/SCALD (NOT CHEM)	-	-	1	1	1	5	6	-	-	-	3	3	-	3	3	
CHEMICAL BURN	-	-	-	-	-	5	5	-	-	-	49	49	-	8	8	
CONTUSION OR BRUISE	-	-	6	6	6	32	37	-	-	-	34	34	-	7	7	
CUT OR PUNCTURE	-	-	5	5	5	1	2	-	-	-	72	72	-	72	72	
FRACTURE	-	-	1	1	1	1	3	-	-	-	25	25	-	12	12	
STRAIN/SPRAIN	-	-	2	2	2	2	4	-	-	-	65	65	-	32	32	
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	17	17	17	52	69	-	-	-	248	248	-	15	15	
Wrist:																
CHEMICAL BURN	-	-	5	5	5	1	1	-	-	-	70	70	-	14	14	
CONTUSION OR BRUISE	-	-	2	2	2	20	22	-	-	-	76	76	-	38	38	
CUT OR PUNCTURE	-	-	14	14	14	3	17	-	-	-	898	898	-	64	64	
FRACTURE	-	-	24	24	24	7	31	-	-	-	405	405	-	17	17	
STRAIN/SPRAIN	-	-	1	1	1	1	1	-	-	-	1	1	-	1	1	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	46	46	46	31	77	-	-	-	1,450	1,450	-	32	32	
Hand:																
BURN/SCALD (NOT CHEM)	-	-	3	3	3	3	6	-	-	-	29	29	-	10	10	
CONTUSION OR BRUISE	-	-	12	12	12	7	19	-	-	-	70	70	-	6	6	
CUT OR PUNCTURE	-	-	20	20	20	95	115	-	-	-	353	353	-	18	18	
DERMATITIS	-	-	1	1	1	1	1	-	-	-	3	3	-	3	3	
FRACTURE	-	-	13	13	13	9	22	-	-	-	683	683	-	53	53	
SCRATCH/ABRASION	-	-	1	1	1	1	1	-	-	-	15	15	-	15	15	
STRAIN/SPRAIN	-	-	4	4	4	3	7	-	-	-	15	15	-	4	4	
MULTIPLE INJURIES	-	-	1	1	1	4	5	-	-	-	6	6	-	6	6	
OTHER INJURY, NEC	-	-	1	1	1	1	1	-	-	-	9	9	-	9	9	
UNCLASSIFIED (NO DATA)	-	-	1	1	1	1	1	-	-	-	33	33	-	33	33	
TOTAL OR AVERAGE	-	-	57	57	57	121	178	-	-	-	1,216	1,216	-	21	21	

TABLE 12 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL FATAL	TEMPO- RARY	TOTAL NFDL					
FINGERS:																
AMPUTATION/ENUCLEATION																
BURN/SCALD (NOT CHEM.)																
CHEMICAL BURN																
CONTUSION OR BRUISE																
CUT OR PUNCTURE																
DISLOCATION																
FRACTURE																
SCRATCH/ABRASION																
STRAIN/SPRAIN																
MULTIPLE INJURIES																
OTHER INJURY, NEC																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE																
UPPER EXTREMITIES, NEC																
BURN/SCALD (NOT CHEM.)																
CHEMICAL BURN																
CONTUSION OR BRUISE																
CUT OR PUNCTURE																
FRACTURE																
RADIATION/ULTRA VIOLET																
STRAIN/SPRAIN																
MULTIPLE INJURIES																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE																
ABDOMEN																
BURN/SCALD (NOT CHEM.)																
STRAIN/SPRAIN																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE																
BACK																
BURN/SCALD (NOT CHEM.)																
CHEMICAL BURN																
CONTUSION OR BRUISE																
FRACTURE																
STRAIN/SPRAIN																
MULTIPLE INJURIES																
OTHER INJURY, NEC																
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE																

TABLE 12 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE OF BODY INJURED AND NATURE OF INJURY AT FETALIC MINERAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
	FATAL	PERMANENT		TOTAL NOI	TOTAL INJURIES	FATAL	PERMANENT		TOTAL FATAL AND NOI	PERMANENT AND PARTIAL	TOTAL NOI	TOTAL FATAL AND NOI			
		TOTAL	PARTIAL				TOTAL	PARTIAL							
													TEMPORARY	TOTAL	
HEAD	1		8	8	9	3	23	6 000			58	66	5 068	2	674
CONTUSION OR BRUISE			14	14	14	9	693			693	693	693	50	50	
CUT OR PUNCTURE			11	11	11	1	138			138	138	138	13	50	
FRACTURE			3	3	3	1	74			74	74	74	25	25	
STRAIN/SPRAIN															
MULTIPLE INJURIES															
UNCLASSIFIED AND DATA															
TOTAL OR AVERAGE	1		37	37	38	15	53	6 000			978	978	6 978	26	184
PELVIC REGION															
BURN/SCALD (NOT DEEMED)			1	1	1	1	3			3	3	3	1	3	
CONTUSION OR BRUISE			5	5	5	1	125			125	125	125	27	27	
CUT OR PUNCTURE			1	1	1	1	9			9	9	9	157	157	
FRACTURE			1	1	1	1	784			784	784	784	28	28	
HERNIA (NOT DISC)		34	29	29	29	4	33			33	33	33	38	38	
STRAIN/SPRAIN			2	2	2	1	2			2	2	2	43	43	
MULTIPLE INJURIES															
UNCLASSIFIED AND DATA															
TOTAL OR AVERAGE		34	48	52	52	7	89			1 700	1 948	3 548	50	44	
SHOULDER(S)															
BURN/SCALD (NOT DEEMED)			1	1	1	1	7			7	7	7	5	5	
CONTUSION OR BRUISE			5	5	5	2	10			10	10	10	47	47	
CUT OR PUNCTURE			8	8	8	2	26			26	26	26	37	37	
DISLOCATION			4	4	4	2	37			37	37	37	41	41	
FRACTURE			57	57	57	10	67			67	67	67	33	33	
STRAIN/SPRAIN			3	3	3		3			3	3	3	26	26	
MULTIPLE INJURIES															
UNCLASSIFIED AND DATA															
TOTAL OR AVERAGE			90	90	90	16	106			3 585	3 585	3 585	40	40	
THIGH															
BURN/SCALD (NOT DEEMED)			1	1	1	1	10			10	10	10	10	10	
CONTUSION OR BRUISE			3	3	3	1	26			26	26	26	39	39	
CUT OR PUNCTURE			3	3	3	1	176			176	176	176	35	35	
STRAIN/SPRAIN			2	2	2	1	194			194	194	194	38	38	
MULTIPLE INJURIES							22			22	22	22	11	11	
UNCLASSIFIED AND DATA															
TOTAL OR AVERAGE			16	16	16	3	19			568	568	568	42	42	

TABLE 12 NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MFDI			TOTAL FATAL AND MFDI	NOI	TOTAL INJURIES	FATAL	MFDI			TOTAL FATAL AND MFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND MFDI
		PERMANENT	TOTAL						TEMPORARY	TOTAL MFDI					
			TOTAL	PARTIAL											
THIGH															
CONUSION OR BRUISE			3		3	1	4					38		13	13
CUT OR PUNCTURE			6		6	9	15					64		11	11
FRACTURE			3		3	3	3					453		151	151
STRAIN/SPRAIN			3		3	1	4					54		18	18
MULTIPLE INJURIES			1		1	1	2					11		11	11
TOTAL OR AVERAGE			16		16	11	27					620		39	39
KNEE															
BURN/SCALD (NOT CHEM.)						1	1								
CHEMICAL BURN						1	1								
CONUSION OR BRUISE			22		22	5	27					522		24	24
CUT OR PUNCTURE			3		3	11	14					119		40	40
FRACTURE			3		3	3	6					236		49	49
STRAIN/SPRAIN			2		2	2	4					38		14	14
MULTIPLE INJURIES			1		1	19	20					5 428	300	67	45
OTHER INJURY NEC			116		117	3	120					400		15	15
UNCLASSIFIED (NO DATA)			3		3	1	4					45		13	13
TOTAL OR AVERAGE			158		159	41	200					6 874	300	42	43
LOWER LEG															
AMPUTATION/ENUCLEATION						1	1					3 000	3 000		3 000
BURN/SCALD (NOT CHEM.)			1		1	1	2					16		8	8
CHEMICAL BURN			3		3	1	4					70		14	14
CONUSION OR BRUISE			5		5	15	20					197		33	33
CUT OR PUNCTURE			8		8	1	9					522		65	65
FRACTURE			4		4	2	6					27		7	7
STRAIN/SPRAIN			1		1	2	3					2		2	2
MULTIPLE INJURIES			26		27	19	46					3 834	3 000	32	142
TOTAL OR AVERAGE			26		27	19	46					3 834	3 000	32	142
ANKLE															
BURN/SCALD (NOT CHEM.)						1	1					28		7	7
CONUSION OR BRUISE			4		4	1	5					54		27	27
CUT OR PUNCTURE			2		2	1	3					108		34	34
DISLOCATION			2		2	1	3					1 357		96	80
FRACTURE			17		17	12	29					1 026		12	12
STRAIN/SPRAIN			83		83	5	88					1 117		23	23
MULTIPLE INJURIES			5		5	1	6					2 692		24	24
TOTAL OR AVERAGE			113		113	17	130					2 692		24	24

TABLE 12. NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY					
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT	TEMPORARY	TOTAL FATAL AND NFI				
		TOTAL	PARTIAL	TEMPORARY				TOTAL	TOTAL	TEMPORARY					TOTAL			
FOOT																		
AMPUTATION-EMBLICATION		1			1		1					2,400			2,400			2,400
BURN/SCALD (NOT OTHER)						2	2					25			25			25
CHEMICAL BURN												122			122			122
CONCUSSION OR BRUISE							26					615			615			615
CUT OR PUNCTURE							17					37			37			37
FRACTURE							33					1,416			1,416			1,416
STRAIN/SPRAIN							13					144			144			144
MULTIPLE INJURIES							4					248			248			248
UNCLASSIFIED (NO DATA)							1					70			70			70
TOTAL OR AVERAGE							102					5,077			5,077			5,077
TOE(S)																		
AMPUTATION-EMBLICATION												450			450			450
CHEMICAL BURN												137			137			137
CONCUSSION OR BRUISE							2					26			26			26
CUT OR PUNCTURE							13					256			256			256
FRACTURE							1					7			7			7
MULTIPLE INJURIES							19					878			878			878
TOTAL OR AVERAGE												450			450			450
LOWER EXTREMITIES, NEC																		
BURN/SCALD (NOT OTHER)												121			121			121
CHEMICAL BURN							2					37			37			37
CONCUSSION OR BRUISE							16					202			202			202
CUT OR PUNCTURE							20					8			8			8
FRACTURE							9					759			759			759
STRAIN/SPRAIN							13					286			286			286
MULTIPLE INJURIES							8					119			119			119
OTHER INJURY, NEC							1					94			94			94
UNCLASSIFIED (NO DATA)							1					1			1			1
TOTAL OR AVERAGE							74					1,617			1,617			1,617
BODY SYSTEMS																		
ASPHYXIATION-CHOKING												5			5			5
ELECTRIC SHOCK	2						3	12,000				40			40			40
POISONING (SYSTEMIC)							13					30			30			30
TOTAL OR AVERAGE	2						20	12,000				75			75			75

TABLE 12 NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NON-FATAL			TOTAL FATAL AND NON-FATAL	FATAL	NON-FATAL			TOTAL FATAL AND NON-FATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL
		TOTAL	TEMPORARY	TOTAL NON-FATAL			TOTAL NON-FATAL	TOTAL NON-FATAL					
	PERMANENT	TEMPORARY	TOTAL NON-FATAL	TOTAL FATAL AND NON-FATAL	TOTAL FATAL AND NON-FATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL		
	TOTAL	TEMPORARY	TOTAL NON-FATAL	TOTAL FATAL AND NON-FATAL	TOTAL FATAL AND NON-FATAL	TOTAL	TEMPORARY	TOTAL NON-FATAL	TOTAL FATAL AND NON-FATAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NON-FATAL	
MULTIPLE PARTS OF BODY													
BURN/SCALD (NOT CHEM.)													
CHEMICAL BURN													
CONCUSSION OR BRUISE													
CUT OR PUNCTURE													
DERMATITIS													
FRACTURE													
RADIATION/ULTRA VIOLET													
STRAIN/SPOIN													
MULTIPLE INJURIES	5	1	26	57	64	30 000	6 000	8 597	8 597	38 597	46	102	102
OTHER INJURY NEC													
UNCLASSIFIED (NO DATA)													
TOTAL OR AVERAGE	5	1	126	131	138	30 000	6 000	5 379	11 379	41 379	43	316	316
UNCLASSIFIED													
STRAIN/SPOIN													
TOTAL OR AVERAGE													
TOTAL OR AVERAGE													
AMPUTATION/ENGULFMENT													
ASPHYXIATION/CHOKING													
BURN/SCALD (NOT CHEM.)													
CHEMICAL BURN													
CONCUSSION (DEEP/BL)													
CONCUSSION OR BRUISE													
CUT OR PUNCTURE													
DERMATITIS													
DISLOCATION													
DUST IN EYE													
ELECTRIC SHOCK													
FRACTURE													
HERNIA (NOT DISC)													
POISONING (SYSTEMIC)													
RADIATION/ULTRA VIOLET													
SCALD/ABRASION													
STRAIN/SPOIN													
MULTIPLE INJURIES	8	1	155	156	169	48 000	6 000	36 922	36 922	36 922	300	36	36
OTHER INJURY NEC													
UNCLASSIFIED (NO DATA)													
TOTAL OR AVERAGE	13	1	1 968	2 043	3 995	78 000	6 000	56 168	86 523	164 523	235	34	81

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPPED			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING ROCKS OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDLCO			NONPOWDERED HALLACE		
	FTL	MFEL	NOL	FTL	MFEL	NOL	FTL	MFEL	NOL	FTL	MFEL	NOL	FTL	MFEL	NOL	FTL	MFEL	NOL	FTL	MFEL	NOL	FTL	MFEL	NOL	FTL	MFEL	NOL	FTL	MFEL	NOL			
UNDERGROUND MINES																																	
ALASKA																																	
ARIZONA																																	
CALIFORNIA																																	
COLORADO																																	
IDAHO																																	
MICHIGAN																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
NEW YORK																																	
OREGON																																	
SOUTH DAKOTA																																	
TENNESSEE																																	
UTAH																																	
WASHINGTON																																	
TOTAL	2						1	2		2	2	4	1	1	2	21	13		44	37				117	89		31	56			2		
SURFACE AT UC																																	
ALASKA																																	
ARIZONA																																	
CALIFORNIA																																	
COLORADO																																	
IDAHO																																	
MICHIGAN																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
NEW YORK																																	
OREGON																																	
SOUTH DAKOTA																																	
TENNESSEE																																	
UTAH																																	
WASHINGTON																																	
TOTAL																																	
UNDERGROUND																																	
ALASKA																																	
ARIZONA																																	
CALIFORNIA																																	
COLORADO																																	
IDAHO																																	
MICHIGAN																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
NEW YORK																																	
OREGON																																	
SOUTH DAKOTA																																	
TENNESSEE																																	
UTAH																																	
WASHINGTON																																	
TOTAL																																	

TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPOUNDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR RUPPING			OTHER			TOTAL		
	FTL	MED	NOI	FTL	MED	NOI	FTL	MED	NOI	FTL	MED	NOI	FTL	MED	NOI	FTL	MED	NOI	FTL	MED	NOI	FTL	MED	NOI	FTL	MED	NOI	FTL	MED	NOI			
UNDERGROUND MINES																																	
ALASKA																																	
ARIZONA	1	7	1			2	1																										
CALIFORNIA																																	
COLORADO	5																																
IDAHO	14	1																															
MICHIGAN	9	9	1																														
MISSOURI	1																																
MONTANA	2	3																															
NEVADA	4	1																															
NEW MEXICO	1	2				5	2																										
NEW YORK	4	1																															
OREGON	3	1																															
SOUTH DAKOTA	3	3																															
TENNESSEE																																	
UTAH	4	3																															
WASHINGTON																																	
TOTAL	1	56	17			10	4																										
SURFACE AT JC																																	
ALASKA																																	
ARIZONA	1																																
CALIFORNIA																																	
COLORADO	1																																
IDAHO	1																																
MICHIGAN																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
NEW YORK																																	
OREGON																																	
SOUTH DAKOTA																																	
TENNESSEE																																	
UTAH																																	
WASHINGTON																																	
TOTAL	1	56	17			10	4																										
SURFACE AT JC																																	
ALASKA																																	
ARIZONA	1																																
CALIFORNIA																																	
COLORADO	1																																
IDAHO	1																																
MICHIGAN																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
NEW YORK																																	
OREGON																																	
SOUTH DAKOTA																																	
TENNESSEE																																	
UTAH																																	
WASHINGTON																																	
TOTAL	1	56	17			10	4																										
SURFACE AT JC																																	
ALASKA																																	
ARIZONA	1																																
CALIFORNIA																																	
COLORADO	1																																
IDAHO	1																																
MICHIGAN																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
NEW YORK																																	
OREGON																																	
SOUTH DAKOTA																																	
TENNESSEE																																	
UTAH																																	
WASHINGTON																																	
TOTAL	1	56	17			10	4																										

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR MINE LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

MINE LOCATION AND STATE	ELECTRICITY		ENTANGLEMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BOMBING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACTOR, RIB, SIDE OR HORIZONTAL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDING		NONPOWERED EQUIPMENT	
	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI
SURFACE MINES																						
OPEN PIT																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
IDAHO																						
MICHIGAN																						
MINNESOTA																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
OREGON																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TEXAS																						
UTAH																						
WASHINGTON																						
WYOMING																						
TOTAL	2	2			1	1					4				3	1	208	115	79	84	1	
DEPT																						
ALASKA																						
CALIFORNIA																						
FLORIDA																						
TOTAL																						
SURFACE																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
FLORIDA																						
IDAHO																						
MICHIGAN																						
MINNESOTA																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
OREGON																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TEXAS																						
UTAH																						
WASHINGTON																						
WYOMING																						
TOTAL	2	2			1	1					4				3	1	211	118	82	86	1	

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPOUNDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEETING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	NFDL	NOI	FTL	NFDL	NOI	FTL	NFDL	NOI	FTL	NFDL	NOI	FTL	NFDL	NOI	FTL	NFDL	NOI	FTL	NFDL	NOI	FTL	NFDL	NOI	FTL	NFDL	NOI	FTL	NFDL	NOI	FTL	NFDL	NOI
SURFACE MINES																																	
OPEN PIT																																	
ALASKA																																	
ARIZONA																																	
CALIFORNIA																																	
COLORADO																																	
IDAHO																																	
MICHIGAN																																	
MINNESOTA																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
OREGON																																	
SOUTH CAROLINA																																	
SOUTH DAKOTA																																	
TEXAS																																	
UTAH																																	
WASHINGTON																																	
WYOMING																																	
TOTAL	1	77	23				1									1	79	50		165	45		24						10	10	5	655	336
DREDGE																																	
ALASKA																																	
CALIFORNIA																																	
FLORIDA																																	
TOTAL																																	
TOTAL SURFACE																																	
ALASKA																																	
ARIZONA																																	
CALIFORNIA																																	
COLORADO																																	
FLORIDA																																	
IDAHO																																	
MICHIGAN																																	
MINNESOTA																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
OREGON																																	
SOUTH CAROLINA																																	
SOUTH DAKOTA																																	
TEXAS																																	
UTAH																																	
WASHINGTON																																	
WYOMING																																	
TOTAL	1	78	24				1									1	79	50		166	45		24						10	10	5	663	342

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPODERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING																						
ALASKA																						
ARIZONA																						
CALIFORNIA		1																				
COLORADO		1																				
FLORIDA																						
IDAHO																						
MICHIGAN																						
MINNESOTA																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
NEW YORK																						
OREGON																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
WASHINGTON																						
WYOMING																						
TOTAL	2	4			2	3	2	4	1	1	3	25	13	44	37	3	352	236	118	166	4	2
INDEPENDENT SHOPS																						
MICHIGAN																						
MINNESOTA																						
TOTAL																						

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING:																						
ALASKA	2				1						7	2	14		2				1		38	5
ARIZONA	1	22		2							1	16	25		5				1		165	122
CALIFORNIA	4	5			1						28	8	9		1				3		40	31
COLORADO	2										11	5	7		1				1		40	32
FLORIDA	1																				3	2
IDaho	6	2		1							14	22	15	8			1		3		88	61
MICHIGAN	23	1									21	10	40	9			1		1		188	65
MINNESOTA	13	1									12	4	28	4							105	38
MISSOURI	9	1									9	9	4	2							19	29
MONTANA	4			1							9	17	9	9					2		46	33
NEVADA	31	13			1						35	27	55	19					5		245	139
NEW MEXICO	7			5							2	8	8	2							37	37
NEW YORK	1	1									2		1	1							8	3
OREGON	2	1									2		1	1							7	3
SOUTH CAROLINA												2	1	6							6	3
SOUTH DAKOTA	3	2		1							8	23	10	4					2		59	80
TENNESSEE	3	3									1	1	12	4					2		34	27
TEXAS													4	4							11	2
UTAH	1	1									2	1	6	5					1		16	30
WASHINGTON	6	3									5	7	4	3							30	40
WYOMING													4								9	
TOTAL	2	140	43	10	4	1					2	164	258	87	36	9	1	2	21	19	1,194	783
INDEPENDENT SHOPS:																						
MICHIGAN											3		2								8	
MINNESOTA		1									2	4	3							2	14	12
TOTAL		1									5	4	5				1			2	22	12

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONCOVERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DELAWARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGIN ISLANDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6	4			1		1		1	3							351	230	125	150	8	6

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPOUNDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL			
PROCESSING PLANTS																																	
ALASKA																															2		
ARIZONA			3																												89		
ARKANSAS			2																												45		
CALIFORNIA			1																												47		
COLORADO			1																												23		
DELAWARE																															13		
IDAHO																															3		
ILLINOIS																															11		
LOUISIANA			3																												23		
MICHIGAN																															17		
MINNESOTA			10																												161		
MISSOURI																															96		
MONTANA																															2		
NEVADA			4																												5		
NEW JERSEY																															18		
NEW MEXICO																															86		
NEW YORK																															15		
OREGON																															3		
PENNSYLVANIA			1																												2		
SOUTH CAROLINA																															1		
SOUTH DAKOTA																															13		
TENNESSEE																															7		
TEXAS			5																												8		
UTAH			2																												3		
VIRGIN ISLANDS																															89		
VIRGINIA			1																												11		
WASHINGTON																															4		
WEST VIRGINIA																															1		
WISCONSIN			2																												13		
WYOMING			1																												4		
TOTAL	32		15			3	1						72	93		159	57		16	4		10	5		20				806	590			

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING, OR SLIDING MATERIAL			FALL OF ENDS, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWDERED HAULAGE		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
TOTAL MINES AND PLANTS																																	
ALASKA																																	
ARIZONA																																	
ARKANSAS																																	
CALIFORNIA																																	
COLORADO																																	
DELAWARE																																	
FLORIDA																																	
GEORGIA																																	
IDAHO																																	
ILLINOIS																																	
INDIANA																																	
IOWA																																	
KANSAS																																	
KENTUCKY																																	
LOUISIANA																																	
MICHIGAN																																	
MINNESOTA																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW JERSEY																																	
NEW MEXICO																																	
NEW YORK																																	
NORTH CAROLINA																																	
PENNSYLVANIA																																	
SOUTH CAROLINA																																	
SOUTH DAKOTA																																	
TENNESSEE																																	
TEXAS																																	
UTAH																																	
VIRGIN ISLANDS																																	
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WISCONSIN																																	
WYOMING																																	
TOTAL	2	10	4				2	4	2	4	2	4	3	4	2	1	4	3	25	13	44	37	3	2	711	470	247	317	12	8			
OFFICE																																	
ALASKA																																	
CALIFORNIA																																	
MICHIGAN																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
TEXAS																																	
WASHINGTON																																	
TOTAL																																	

TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPOUNDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
TOTAL MINES AND PLANTS																																	
ALASKA																																	
ARIZONA	1	23	9		2	1		1									10	24	2														
ARKANSAS		1															33	10															
CALIFORNIA		5	6		1												5	9															
COLORADO																	8																
DELAWARE		2															12	7															
FLORIDA																																	
IDAHO		1																															
LOUISIANA		7	3		2												15	23															
MICHIGAN																	38	18															
MINNESOTA		23	4														24	18															
MISSOURI		9	1														11	10															
MONTANA	1	4	14		1												49	43															
NEVADA																	1	8															
NEW JERSEY		7	4		5	2											4																
NEW MEXICO																	2																
NEW YORK		1	1														2	2															
OREGON		2	1														2	1															
PENNSYLVANIA		1															1																
SOUTH CAROLINA																	1	2															
SOUTH DAKOTA		3	3		1												8	24															
TENNESSEE		3	2														1	1															
TEXAS		5	3		4												4	19															
UTAH		3	1														5	7															
VIRGIN ISLANDS																																	
VIRGINIA		1															6	9															
WASHINGTON		6	3														2																
WEST VIRGINIA																																	
WISCONSIN		2																															
WYOMING		1																															
TOTAL	2	172	59	13	4	4	2									2	241	258	2	422	144		52	13	7	42	41	13	2	022	1	385	
OFFICE																																	
ALASKA																																	
CALIFORNIA																																	
MICHIGAN																																	
MISSOURI																																	
MONTANA																																	
NEVADA																	1	1															
NEW MEXICO																																	
TEXAS																																	
WASHINGTON																																	
TOTAL																	1	1		1	1		1	1							8	14	

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
GRAND TOTAL																																	
ALASKA																																	
ARIZONA																																	
ARKANSAS																																	
CALIFORNIA																																	
COLORADO																																	
DELAWARE																																	
FLORIDA																																	
IDAHO																																	
LOUISIANA																																	
MICHIGAN																																	
MINNESOTA																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW JERSEY																																	
NEW MEXICO																																	
NEW YORK																																	
OREGON																																	
PENNSYLVANIA																																	
SOUTH CAROLINA																																	
SOUTH DAKOTA																																	
TENNESSEE																																	
TEXAS																																	
UTAH																																	
VIRGIN ISLANDS																																	
VIRGINIA																																	
WASHINGTON																																	
WEST VIRGINIA																																	
WISCONSIN																																	
WYOMING																																	
TOTAL	2	10	4				2	4		2	4	2	1	4	3	27	13		44	37		3	2		716	477		247	331		12	6	

TABLE 14 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BOMBING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANGING MATERIAL		HAND TOOL		NUMERICAL INJURY	
	FTL	MFDA	FTL	MFDA	FTL	MFDA	FTL	MFDA	FTL	MFDA	FTL	MFDA	FTL	MFDA	FTL	MFDA	FTL	MFDA	FTL	MFDA	FTL	MFDA
UNDERGROUND MINES																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
IDAHO																						
MICHIGAN																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
NEW YORK																						
OREGON																						
SOUTH DAKOTA																						
TENNESSEE																						
UTAH																						
WASHINGTON																						
TOTAL																						
SURFACE AT LUG																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
IDAHO																						
MICHIGAN																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
NEW YORK																						
OREGON																						
SOUTH DAKOTA																						
TENNESSEE																						
UTAH																						
WASHINGTON																						
TOTAL																						
TOTAL UNDERGROUND																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
IDAHO																						
MICHIGAN																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
NEW YORK																						
OREGON																						
SOUTH DAKOTA																						
TENNESSEE																						
UTAH																						
WASHINGTON																						
TOTAL																						

TABLE 14 NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1961 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTE	MED	FTE	MED	FTE	MED	FTE	MED	FTE	MED	FTE	MED	FTE	MED	FTE	MED	FTE	MED	FTE	MED	FTE	MED
UNDERGROUND MINES																						
UNDERGROUND																						
ALASKA		3,020																				3,321
ARIZONA		66		90		2																3,626
CALIFORNIA																						179
COLORADO																						729
IDAHO		54		2																		2,386
MICHIGAN		711																				3,134
MISSOURI		1,101																				1,718
MONTANA		5		5																		1,978
NEVADA		319																				520
NEW MEXICO		183		162																		580
NEW YORK		3																				137
OREGON																						23
SOUTH DAKOTA		273		10																		24,000
TENNESSEE		142																				2,936
UTAH		276																				1,369
WASHINGTON																						57
TOTAL	6,000	6,133	269		2						6,000	3,214	12,000	4,168	129		98		315	48,000	23,467	
SURFACE AT UG																						5
ALASKA																						547
ARIZONA		17																				1
CALIFORNIA																						96
COLORADO		54			16																	316
IDAHO																						301
MICHIGAN																						49
MISSOURI																						153
MONTANA		1																				126
NEVADA																						122
NEW MEXICO																						3
NEW YORK		11																				11
OREGON																						78
SOUTH DAKOTA																						2
TENNESSEE																						54
UTAH		110																				304
WASHINGTON																						
TOTAL	193				26						190	14	5	566					163		2,167	
TOTAL UNDERGROUND																						3,926
ALASKA		3,300		90		2																4,153
ARIZONA		63																				180
CALIFORNIA																						824
COLORADO		54		2																		2,702
IDAHO		54																				3,475
MICHIGAN		711																				1,767
MISSOURI		1,101																				2,031
MONTANA		5		5																		746
NEVADA		320																				962
NEW MEXICO		183		162																		140
NEW YORK		3																				36
OREGON		11																				2,374
SOUTH DAKOTA		273		10		12																1,371
TENNESSEE		142																				111
UTAH		276																				1,036
WASHINGTON		386																				
TOTAL	6,000	6,326	269		30						6,000	3,404	12,000	5,354	129		98		478	48,000	25,634	

TABLE 14 NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR AGRICULTURE AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPPED		EXPLODING VESSELS UNDER PRESSURE		EXPLOSIVE AND BREWING AGENT		FALLING ROCK OR SLIDING MATERIAL		FALL OF FACE OR SIDE OF HIGHBALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANGING MATERIAL		HUNGROO		UNRECOVERED MATERIAL	
	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL
SURETY MINES																						
OPEN PIT																						
ALASKA																						
ARIZONA																						
CALIFORNIA	6 000	600																				
COLORADO																						
IDAHO																						
MICHIGAN																						
MINNESOTA	6 000																					
MONTANA																						
NEVADA																						
NEW MEXICO																						
OREGON																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TEXAS																						
UTAH																						
WASHINGTON																						
WYOMING																						
TOTAL	12 000	600			107				3	3	276				149		7 105		1 300		2	
DRECE																						
ALASKA																						
CALIFORNIA																						
FLORIDA																						
TOTAL																						
TOTAL SURFACE																						
ALASKA																						
ARIZONA																						
CALIFORNIA	6 000	600																				
COLORADO																						
FLORIDA																						
IDAHO																						
MICHIGAN																						
MINNESOTA	6 000																					
MONTANA																						
NEVADA																						
NEW MEXICO																						
OREGON																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TEXAS																						
UTAH																						
WASHINGTON																						
WYOMING																						
TOTAL	12 000	600			107				3	3	276				149		7 134		4 077		2	

TABLE 14. NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR MINERAL OPERATIONS IN THE UNITED STATES, 1967 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STRIKING OR HITTING ON OBJECT		STRIKING OR CLIPPING		OTHER		TOTAL	
	FIL	MECA	FIL	MECA	FIL	MECA	FIL	MECA	FIL	MECA	FIL	MECA	FIL	MECA	FIL	MECA	FIL	MECA	FIL	MECA	FIL	MECA
SURFACE MINES																						
OPEN PIT																						
ALASKA		1																			486	
ARIZONA	6 000	361									5	368	318							4	18 000	3 308
CALIFORNIA		62									263	153	420							27	974	
COLORADO		7									19	83	153								221	
IDaho		46									29	31	83							1	231	
MICHIGAN		912									29	306	1 015								4 022	
MINNESOTA		424									157	11	306								2 677	
MONTANA		6 066									11	11	12								6 066	
NEVADA		700									686	75	1 367							40	6 000	
NEW MEXICO		17			5						75		57								6 000	
OREGON		22											52								8 143	
SOUTH CAROLINA													8								75	
SOUTH DAKOTA													1								74	
TEXAS													118								356	
UTAH		7									149		349							4	548	
WASHINGTON													76								604	
WYOMING																					2	
TOTAL	6 000	8 565			5						2 156		5 477		372				76		30 000	28 970
DREDGE																						
ALASKA																					17	
CALIFORNIA																					19	
FLORIDA		10																			107	
TOTAL		10																			136	
TOTAL SURFACE																						
ALASKA		1									5	300	300								463	
ARIZONA	6 000	361									368	420	420							4	18 000	3 308
CALIFORNIA		62									263	153	420							27	974	
COLORADO		7									19	83	153								221	
FLORIDA		10											83								107	
IDAHO		46									29	31	83								231	
MICHIGAN		912									29	306	1 015								4 022	
MINNESOTA		424									157	11	306								2 677	
MONTANA		6 066									11	11	12								6 066	
NEVADA		700									686	75	1 367								6 000	
NEW MEXICO		17			5						75		57								8 143	
OREGON		22											52								746	
SOUTH CAROLINA													8								75	
SOUTH DAKOTA													1								74	
TEXAS													118								356	
UTAH		7									149		349								548	
WASHINGTON													76								604	
WYOMING																					2	
TOTAL	6 000	8 575			5						2 156		5 479		372				76		30 000	28 970

TABLE 14 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREACHING AGENT		FALLING, ROLLING, OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDICAP		NONRECOVERED HULLAGE	
	FTL	MF/DL	FTL	MF/DL	FTL	MF/DL	FTL	MF/DL	FTL	MF/DL	FTL	MF/DL	FTL	MF/DL	FTL	MF/DL	FTL	MF/DL	FTL	MF/DL	FTL	MF/DL
TOTAL MINING	6 000	500							219		277		202		3		128					
ALASKA											30		220				1 819		13			
ARIZONA		9															363		549			
CALIFORNIA													178				348		127			
COLORADO																	92		73			
FLORIDA																	752		554			
IDAHO													601				2 009		621			
MICHIGAN		8			5				2		239		272		114		917		108		2	
MINNESOTA					34						80		458				203		71			
MISSOURI											12		66		32		228		8		14	
MONTANA											142						2 840		2 323			
NEVADA		30			6 000						10		5				160		73			
NEW MEXICO											14						3					
NEW YORK											271						54		12			
OREGON													147				943		339			
SOUTH CAROLINA					6 000				6 000				41				262		188			
SOUTH DAKOTA																	62		261			
TENNESSEE					107						2		225				94		34			
TEXAS																	67		175			
UTAH																	38		152			
WASHINGTON																						
WYOMING																						
TOTAL	12 000	647			12 000	146	12 000	38	224		1 077		2 415		149		11 285		5 773			89
INDEPENDENT SHOPS																						
MINNESOTA																	126		61			
MINNESOTA																	151		61			
TOTAL																	277		61			

TABLE 14. NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINING																						
ALASKA		3,001			2							570		479	39				2		4,389	
ARIZONA	6,000	444		90							6,000	955		2,259	25			4		18,000	7,461	
CALIFORNIA		62										263		288	3			28			1,173	
COLORADO		61			16							136		209	24						1,045	
FLORIDA		10																			102	
IDAH0		100		2								448		614				86			2,933	
MICHIGAN		1,623										645		1,852	51			1			7,457	
MINNESOTA		424										157		935	22						2,577	
MISSOURI		1,101										706		358	21						1,767	
MONTANA	6,000	6,011		5								852	6,000	480	272			116			8,127	
NEVADA		1,020			5							89		1,397	21			40			8,889	
NEW MEXICO		200		162								117		701							1,548	
NEW YORK		3										11		2	1						140	
OREGON		33												52							111	
SOUTH CAROLINA														8							74	
SOUTH DAKOTA		273		10	12						6,000	330	6,000	253	22			151			2,770	
TENNESSEE		142										44		567	10			122			1,371	
TEXAS												150		118				4			548	
UTAH		7										87		370							715	
WASHINGTON		386												65							1,038	
WYOMING														76							269	
TOTAL	12,000	14,901		269	35						12,000	5,560	12,000	10,833	511		98		554		78,000	54,504
INDEPENDENT SHOPS																						
MICHIGAN												81		14				39			260	
MINNESOTA												37		69							318	
TOTAL												118		83				39			578	

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDTOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	6	-	-	-
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 047	-	25	-	-	-
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	559	-	107	-	28	-
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	476	-	51	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	-	-	-	248	-
DELAWARE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	280	-	-	-
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	7	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	-	53	-	-	-
MICHIGAN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	456	-	698	-	4	-
MINNESOTA-----	-	9	-	-	-	59	-	-	-	-	-	-	-	-	-	-	3 289	-	740	-	43	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 031	-	-	-	-	-
MONTANA-----	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	100	-	-	-	-	-
NEVADA-----	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	-	38	-	-	-
NEW JERSEY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	602	-	337	-	14	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	435	-	99	-	-	-
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	401	-	-	-	-	-
SOUTH CAROLINA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	229	-	1	-	-	-
SOUTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-	-	-
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84	-	28	-	-	-
TEXAS-----	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	-	312	-	-	-
UTAH-----	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	755	-	1 719	-	-	-
VIRGIN ISLANDS-----	-	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-
VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-	29	-	-	-
WISCONSIN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	6	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-
TOTAL-----	-	232	-	-	-	59	-	-	-	5	-	-	-	-	-	-	11 468	-	4 580	-	344	-

TABLE 14 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		EQUIPMENT		MINING		SLIP OR FALL OF PERSON		SLEEPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL
PROCESSING PLANTS:																				
ALASKA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
ARIZONA.....	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,886
ARKANSAS.....	-	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	585
CALIFORNIA.....	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,542
DELAWARE.....	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
FLORIDA.....	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	554
IDAHO.....	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	377
ILLINOIS.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	211
INDIANA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	739
IOWA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	239
KANSAS.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,355
KENTUCKY.....	-	267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103
LOUISIANA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	529
MAINE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,183
MARYLAND.....	-	25	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	937
MASSACHUSETTS.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
MICHIGAN.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	401
MINNESOTA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
MISSISSIPPI.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115
MONTECALA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	660
NEBRASKA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	476
NEVADA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
NEW JERSEY.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115
NEW MEXICO.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	401
NEW YORK.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
OHIO.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	937
OKLAHOMA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PENNSYLVANIA.....	-	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	476
RHODE ISLAND.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
SOUTH CAROLINA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115
SOUTH DAKOTA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	660
TENNESSEE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	476
TEXAS.....	-	2,487	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115
UTAH.....	-	259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	660
VIRGINIA.....	-	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	476
VIRGIN ISLANDS.....	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270
WASHINGTON.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
WEST VIRGINIA.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
WISCONSIN.....	-	102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
WYOMING.....	-	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114
TOTAL.....	-	3,514	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31,261

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOUNDED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS																						
ALASKA		600																				
ARIZONA	6,000																					
ARKANSAS		9																				
CALIFORNIA																						
COLORADO																						
DELAWARE																						
FLORIDA																						
IDAHO																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MAINE																						
MARSHALL ISLANDS																						
MARYLAND																						
MASSACHUSETTS																						
MICHIGAN																						
MINNESOTA																						
MISSISSIPPI																						
MISSOURI																						
MONTANA																						
NEBRASKA																						
NEVADA																						
NEW HAMPSHIRE																						
NEW JERSEY																						
NEW MEXICO																						
NEW YORK																						
NORTH CAROLINA																						
NORTH DAKOTA																						
OHIO																						
OKLAHOMA																						
OREGON																						
PENNSYLVANIA																						
RHODE ISLAND																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VIRGINIA																						
VIRGIN ISLANDS																						
WASHINGTON																						
WEST VIRGINIA																						
WISCONSIN																						
WYOMING																						
TOTAL	12,000	879			12,000	205	12,000	38	6,000	229	1,077		2,415		149		23,030		10,414		433	
OFFICE																						
MICHIGAN																						
NEVADA																						
TEXAS																						
TOTAL																						

TABLE 14 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS																						
ALASKA		3,001		90		2						574	429					23		2		4,432
ARIZONA	6,000	461		16							6,000	1,190	2,772					30		23	18,000	9,357
ARKANSAS												180	19							3		995
CALIFORNIA		83		22								610	887							70		2,715
COLORADO		61				16						188	364									1,589
DELAWARE													97									377
FLORIDA		10																				102
IDAHO		103		2								453	673					98		86		3,144
LOUISIANA																						739
MICHIGAN		1,623										1,312	2,691							292		13,751
MINNESOTA		691										840	2,314							78		8,350
MISSOURI		1,101											361									1,870
MONTANA	6,000	6,011		5								836	747	6,000						116	18,000	8,656
NEVADA		1,045		2		5						1,137	2,140							62	6,000	11,072
NEW JERSEY												1										1
NEW MEXICO		200		162								474	719									2,485
NEW YORK		3										117	26									164
OREGON		33										11	52									512
PENNSYLVANIA		53											193									476
SOUTH CAROLINA												7	13									111
SOUTH DAKOTA		273		10		12						330	256	6,000						151	24,000	2,885
TENNESSEE		142										44	615							122		2,031
TEXAS		2,487										651	894							187		7,135
UTAH		266										255	410							4		1,169
VIRGIN ISLANDS		69																				270
VIRGINIA		6										88	67							5	12,000	1,111
WASHINGTON		386										26	2									36
WEST VIRGINIA																						114
WISCONSIN		102											84									778
WYOMING		138																49				
TOTAL	12,000	18,415		309		35					12,000	9,324	12,000	17,075		790		425		1,201	78,000	86,443
OFFICE																						
MICHIGAN																						32
NEVADA																						41
TEXAS																						7
TOTAL																						80

TABLE 14 NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND/TOO		NONREPORTED HAULAGE	
	FTL	NFDR	FTL	NFDR	FTL	NFDR	FTL	NFDR	FTL	NFDR	FTL	NFDR	FTL	NFDR	FTL	NFDR	FTL	NFDR	FTL	NFDR	FTL	NFDR
GRAND TOTAL																						
ALASKA																						
ARIZONA	5 000	600											202	226			138	514				
ARKANSAS																	2 866	107			28	
CALIFORNIA		9															549	178				
COLORADO																	839					
DELAWARE																	427				248	
FLORIDA																						
IDAHO																						
ILLINOIS																						
INDIANA																						
IOWA																						
KANSAS																						
KENTUCKY																						
LOUISIANA																						
MAINE																						
MARYLAND																						
MASSACHUSETTS																						
MICHIGAN																						
MINNESOTA																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW JERSEY																						
NEW MEXICO																						
NEW YORK																						
NORTH CAROLINA																						
PENNSYLVANIA																						
RHODE ISLAND																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TENNESSEE																						
TEXAS																						
UTAH																						
VIRGINIA																						
WASHINGTON																						
WEST VIRGINIA																						
WISCONSIN																						
WYOMING																						
TOTAL	12 000	879			12 000	205	12 000	38	6 000	225	1 077		2 415		149		23 098	10 414			433	

TABLE 14 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:																						
ALASKA	-	3,001	-	-	-	2	-	-	-	-	-	574	-	479	-	39	-	23	-	2	-	4,432
ARIZONA	6,000	461	-	90	-	-	-	-	-	-	6,000	1,190	-	2,772	-	35	-	30	-	23	-	9,357
ARKANSAS	-	83	-	16	-	-	-	-	-	-	-	180	-	19	-	-	-	-	-	3	-	995
CALIFORNIA	-	67	-	22	-	-	-	-	-	-	-	610	-	887	-	3	-	-	-	70	-	2,715
COLORADO	-	61	-	-	-	16	-	-	-	-	-	188	-	364	-	24	-	-	-	-	-	1,598
DELAWARE	-	-	-	-	-	-	-	-	-	-	-	-	-	97	-	-	-	-	-	-	-	377
FLORIDA	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	102
IDAHO	-	103	-	-	-	-	-	-	-	-	-	453	-	673	-	-	-	98	-	86	-	3,144
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	230	-	-	-	-	-	-	-	739
INDIANA	-	1,623	-	-	-	-	-	-	-	-	-	1,312	-	2,691	-	167	-	64	-	292	-	13,783
MINNESOTA	-	681	-	-	-	-	-	-	-	-	-	840	-	2,314	-	153	-	31	-	78	-	8,360
MISSOURI	-	1,101	-	-	-	-	-	-	-	-	-	-	361	-	-	-	-	-	-	-	-	1,870
MONTANA	6,000	6,011	-	5	-	-	-	-	-	-	6,000	836	6,000	747	-	21	-	116	-	116	-	8,656
NEVADA	-	1,045	-	2	-	5	-	-	-	-	1,138	1,138	2,144	-	284	-	62	-	62	-	6,000	11,113
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
NEW MEXICO	-	200	-	162	-	-	-	-	-	-	-	474	-	719	-	21	-	-	-	-	-	2,485
NEW YORK	-	3	-	-	-	-	-	-	-	-	-	117	-	26	-	-	-	-	-	-	-	164
OREGON	-	33	-	-	-	-	-	-	-	-	-	11	-	52	-	1	-	-	-	-	-	212
PENNSYLVANIA	-	53	-	-	-	-	-	-	-	-	-	193	-	193	-	-	-	-	-	-	-	476
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	7	-	13	-	-	-	-	-	-	-	111
SOUTH DAKOTA	-	273	-	10	-	12	-	-	-	-	6,000	330	6,000	256	22	-	-	-	151	-	24,000	2,885
TEXAS	-	142	-	-	-	-	-	-	-	-	-	44	-	615	-	10	-	-	-	-	-	2,031
UTAH	-	2,487	-	-	-	-	-	-	-	-	-	651	-	894	-	7	-	-	-	187	-	7,142
VIRGIN ISLANDS	-	266	-	-	-	-	-	-	-	-	-	255	-	410	-	-	-	-	-	4	-	1,169
VIRGINIA	-	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	270
WASHINGTON	-	6	-	-	-	-	-	-	-	-	-	88	-	67	-	-	-	-	-	5	-	1,111
WEST VIRGINIA	-	386	-	-	-	-	-	-	-	-	-	26	-	2	-	-	-	-	-	-	-	36
WISCONSIN	-	102	-	-	-	-	-	-	-	-	-	-	-	84	-	-	-	-	-	-	-	114
WYOMING	-	136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	778
TOTAL	12,000	18,415	-	309	-	35	-	-	-	-	12,000	9,325	12,000	17,079	797	-	-	425	1,201	-	78,000	86,523

TABLE 15 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED TRAILER	
	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI	FTL	NOI
UNDERGROUND MINES																						
UNDERGROUND																						
COPPER		1			1			2	1		14	1	17	18			40	13	9	21		
GOLD		1									5	6	12	12			26	44	5	16		2
IRON																						
LEAD-ZINC					1						1	4	3	2			15	8	6	12		
MOLYBDENUM													1				5	9	3	8		
PLATINUM											1		1				3	1	1			
SILVER								2	1			2	10	5			28	14	8	8		
URANIUM																						
TOTAL	2				1	2	2	4	1	1	21	13	44	37			117	89	31	66		2
SURFACE AT UG																						
COPPER																						
GOLD																	8	9	3	5		1
IRON																	1	11	1	1		
LEAD-ZINC																	4	6	1	1		
MOLYBDENUM																	2	1		2		
PLATINUM																	7	2				2
SILVER																	2					
TUNGSTEN																						
URANIUM																	24	29	5	14		3
TOTAL																						
TOTAL UNDERGROUND																						
COPPER	1				1		2		1		14	1	17	18			48	22	12	26		
GOLD	1										5	6	12	12			27	55	6	19		2
IRON																						
LEAD-ZINC					1						1	4	3	2			19	14	7	13		
MOLYBDENUM													1				5	9	3	10		
PLATINUM											1		1				5	2	1			
SILVER							2	1	1			2	10	5			35	16	8	9		2
TUNGSTEN																	2					
URANIUM																						
TOTAL	2				1	2	2	4	1	1	21	13	44	37			141	118	36	80		3
SURFACE MINES																						
OPEN PIT																						
COPPER																						
GOLD	2										2						41	44	15	31		
IRON	1										1						87	45	33	39		
LEAD-ZINC																	70	20	21	12		1
MOLYBDENUM											1						4	4	2	2		
NICKEL																						
RARE EARTHS																	1	1	2			
SILVER																	3	1	2			
URANIUM																	2	1	5			
TOTAL	2				1	1			1		4				3		208	115	79	84		1

TABLE 15 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPONDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
UNDERGROUND MINES																																	
UNDERGROUND																																	
COPPER	-	22	3	-	-	-	-	-	-	-	-	-	-	-	-	-	20	8	1	21	11	-	-	-	-	-	-	-	-	-	-	-	76
GOLD	-	10	6	-	1	-	-	-	-	-	-	-	-	-	-	-	20	47	-	14	9	-	-	-	-	-	-	-	-	-	-	-	149
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	145
LEAD-ZINC	-	13	5	-	-	-	-	-	-	-	-	-	-	-	-	-	5	10	-	15	6	-	-	-	-	-	-	-	-	-	-	-	62
MOLYBDENUM	-	-	1	-	5	-	-	-	-	-	-	-	-	-	-	-	4	5	-	5	1	-	-	-	-	-	-	-	-	-	-	-	24
PLATINUM	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	6	9	-	5	5	-	-	-	-	-	-	-	-	-	-	-	28
SILVER	-	11	2	-	1	-	-	-	-	-	-	-	-	-	-	-	18	26	-	17	9	-	-	-	-	-	-	-	-	-	-	-	11
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69
TOTAL	1	56	17	-	10	4	-	-	-	-	-	-	-	-	-	1	76	105	2	78	36	-	-	-	-	-	-	-	-	-	-	-	379
SURFACE AT UG																																	
COPPER	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	5	2	-	-	-	-	-	-	-	-	-	-	-	22
GOLD	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	2	2	-	-	-	-	-	-	-	-	-	-	-	19
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
TOTAL	-	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	9	7	-	14	6	-	-	-	-	-	-	-	-	-	-	-	62
TOTAL UNDERGROUND																																	
COPPER	23	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	12	-	26	13	-	-	-	-	-	-	-	-	-	-	-	98
GOLD	15	7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	25	48	-	16	11	-	-	-	-	-	-	-	-	-	-	-	164
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
LEAD-ZINC	13	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	11	-	15	7	-	-	-	-	-	-	-	-	-	-	-	59
MOLYBDENUM	-	1	-	-	5	-	-	-	-	-	-	-	-	-	-	-	4	5	-	6	1	-	-	-	-	-	-	-	-	-	-	-	28
PLATINUM	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	6	9	-	5	1	-	-	-	-	-	-	-	-	-	-	-	30
SILVER	-	11	2	-	1	-	-	-	-	-	-	-	-	-	-	-	18	27	-	21	9	-	-	-	-	-	-	-	-	-	-	-	12
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	73
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
TOTAL	1	62	19	-	10	4	-	-	-	-	-	-	-	-	-	1	85	112	2	92	42	-	-	-	-	-	-	-	-	-	-	-	441
SURFACE MINES																																	
OPEN PIT																																	
COPPER	1	19	5	-	-	-	-	-	-	-	-	-	-	-	-	-	16	14	-	26	15	-	-	-	-	-	-	-	-	-	-	-	127
GOLD	-	35	16	-	-	-	-	-	-	-	-	-	-	-	-	-	40	28	-	68	18	-	-	-	-	-	-	-	-	-	-	-	158
IRON	-	22	1	-	-	-	-	-	-	-	-	-	-	-	-	-	21	7	-	55	11	-	-	-	-	-	-	-	-	-	-	-	51
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	5	-	-	-	-	-	-	-	-	-	-	-	-	13
NICKEL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
BARRE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
TOTAL	1	77	23	-	-	-	-	-	-	-	-	-	-	-	-	1	79	50	-	165	45	-	-	-	-	-	-	-	-	-	-	-	655

TABLE 15. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPPED		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREATHING AGENT		FALLING, ROLLING, OR SLIDING MATERIAL		FALL OF FACE, RISE, SIDE, OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDICUT		UNIMPAIRED HULLAGE	
	FTE	MTD	FTE	MTD	FTE	MTD	FTE	MTD	FTE	MTD	FTE	MTD	FTE	MTD	FTE	MTD	FTE	MTD	FTE	MTD	FTE	MTD
DREDGE																						
GOLD																						
TITANIUM																						
TOTAL																						
TOTAL SURFACE																						
COPPER																						
GOLD	2	1																				
IRON																						
LEAD/ZINC																						
NICKEL																						
NICKEL																						
POOR EARTH																						
SILVER																						
TITANIUM																						
URANIUM																						
TOTAL	2	2			1	1			1	1	4				3	1	211	118	82	86	1	
TOTAL MINING																						
COPPER	2	2																				
GOLD																						
IRON																						
LEAD/ZINC																						
NICKEL																						
NICKEL																						
POOR EARTH																						
SILVER																						
TITANIUM																						
TUNGSTEN																						
URANIUM																						
TOTAL	2	4			2	3	2	4	1	1	25	13	44	37	3	1	352	236	118	165	4	2
INDEPENDENT SHOPS																						
IRON																						
TOTAL																						

TABLE 15 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPOUNDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR CLIPPING			OTHER			TOTAL			
	FTL	MTD	NOL	FTL	MTD	NOL	FTL	MTD	NOL	FTL	MTD	NOL	FTL	MTD	NOL	FTL	MTD	NOL	FTL	MTD	NOL	FTL	MTD	NOL	FTL	MTD	NOL	FTL	MTD	NOL				
DREDGE																																		
GOLD			1																												5	4		
TITANIUM			1																												3	2		
TOTAL			1																												8	6		
TOTAL SURFACE																																		
COPPER	1	19	5																												127	115		
GOLD		35	17																												291	162		
IRON		22	1																												199	51		
LEAD/ZINC																															2	7		
MOLYBDENUM																															13	7		
NICKEL																															2	1		
RARE EARTHS																															1	3		
SILVER																															8	3		
TITANIUM																															3	2		
URANIUM																															17	1		
TOTAL	1	78	24																												563	382		
TOTAL MINING																																		
COPPER	1	42	8																												297	213		
GOLD		50	24																												414	326		
IRON		22	1																												200	53		
LEAD/ZINC		13	5																												70	59		
MOLYBDENUM																															39	37		
NICKEL																															2	1		
PLATINUM																															19	12		
RARE EARTHS																															1	1		
SILVER		11	2																												126	76		
TITANIUM																															3	2		
TUNGSTEN																															1	1		
URANIUM																															22	4		
TOTAL	2	140	43																												19	13	194	783
INDEPENDENT SHOPS																																		
IRON																															2	12	12	
TOTAL																															2	22	12	

TABLE 15 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRANCE		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BURNING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDICAP		NONPUNISHED HALLAGE	
	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL	FTL	MDL
PROCESSING PLANTS																						
ALUMINUM ORE		2																				
BERYL		1																				
COPPER		2																				
GOLD		1																				
IRON																						
LEAD-ZINC																						
MANGANESE																						
NICKEL																						
POSSIBLE EARTH																						
SILVER																						
TUNGSTEN																						
URANIUM																						
ZINC																						
TOTAL	6	4																				
TOTAL MINES AND PLANTS																						
ALUMINUM ORE		2																				
BERYL		2																				
COPPER		2																				
GOLD		4																				
IRON		1																				
LEAD-ZINC																						
MANGANESE																						
NICKEL																						
PLATINUM																						
POSSIBLE EARTH																						
SILVER																						
TITANIUM																						
TUNGSTEN																						
URANIUM																						
ZINC																						
TOTAL	2	10	4		2	4	2	4	2	4	3	2	44	57	3	2	77	470	247	317	12	8
OFFICE																						
GOLD																						
IRON																						
LEAD-ZINC																						
NICKEL																						
URANIUM																						
TOTAL																						

TABLE 15 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR HANGING ON OBJECT		STRIKING OR CLIPPING		OTHER		TOTAL	
	FTL	MDA	FTL	MDA	FTL	MDA	FTL	MDA	FTL	MDA	FTL	MDA	FTL	MDA	FTL	MDA	FTL	MDA	FTL	MDA	FTL	MDA
PROCESSING PLANTS																						
ALUMINUM ORE																						
BERYL	8	6																			143	143
COPPER	2	4																			4	4
GOLD	6	2																			113	113
IRON	13	2	2																		171	171
LEAD/ZINC	1																				308	308
MANGANESE																					21	21
MOLYBDENUM																					7	7
POSSIBLE																					14	14
RARE EARTHS																					4	4
SILVER																					8	8
TUNGSTEN																					20	20
URANIUM																					10	10
ZINC																					1	1
TOTAL	32	15	3								72	93	159	57	16	4	10	5	21	20	806	590
TOTAL MINES AND PLANTS																						
ALUMINUM ORE																						
BERYL	8	6																			143	143
COPPER	1																				4	4
GOLD	44	12																			364	364
IRON	56	26	4																		477	477
LEAD/ZINC	35	4																			560	560
MANGANESE	14	5																			91	91
MOLYBDENUM																					7	7
NICKEL	1	1																			49	49
PLATINUM																					2	2
RARE EARTHS																					1	1
SILVER	11	2																			19	19
TITANIUM																					5	5
TUNGSTEN																					146	146
URANIUM																					3	3
ZINC																					2	2
TOTAL	2	172	59	13	4	2					2	241	259	422	144	52	12	7	42	41	2,022	1,385
OFFICE																						
GOLD																					6	6
IRON																					1	1
LEAD/ZINC																					2	2
MOLYBDENUM																					1	1
URANIUM																					1	1
TOTAL																					8	8

TABLE 15. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1987 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING, OR SLIDING MATERIAL			FALL OF FACE, RIB, SLOPE OR HIGHWALL			FALL OF ROOF UNDERGROUND MINES ONLY			FIRE			HANDLING MATERIAL			HAND TOOLS			NONPOWERED HAULAGE		
	FIL	NFDL	NOL	FIL	NFDL	NOL	FIL	NFDL	NOL	FIL	NFDL	NOL	FIL	NFDL	NOL	FIL	NFDL	NOL	FIL	NFDL	NOL	FIL	NFDL	NOL	FIL	NFDL	NOL	FIL	NFDL	NOL	FIL	NFDL	NOL
GRAND TOTAL																																	
ALUMINUM ORE			2																														
BERYL																																	
COPPER	2																																
GOLD		1																															
IRON		2																															
LEAD-ZINC																																	
MANGANESE																																	
MOLYBDENUM																																	
NICKEL																																	
PLATINUM																																	
RARE EARTHS																																	
SILVER																																	
TITANIUM																																	
TUNGSTEN																																	
URANIUM																																	
ZIRCON																																	
TOTAL	2	10	4				2		4	2	4	2	4	3	2	2	13	4	13		3	2		16	14	24	13		24	13	10	4	

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPOUNDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
GRAND TOTAL	2	172	59	13	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ALUMINUM ORE	8	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BERYL	1	44	12	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
COPPER	1	56	26	4	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
GOLD	1	35	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IRON	1	14	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LEAD-ZINC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MANGANESE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MOLYBDENUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NICKEL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PLATINUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PORE EARTHS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SILVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TITANIUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TUNGSTEN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
URANIUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ZINC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL	2	172	59	13	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
COPPER-----	-	8	-	-	-	5	-	-	-	219	-	379	-	821	-	-	1,345	-	314	-	-	-
GOLD-----	-	30	-	-	6,000	-	12,000	31	6,000	-	-	382	-	374	-	-	835	-	262	-	-	-
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	34	-	-	-	-	-	10	-	46	-	-	641	-	223	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	178	-	-	75	-	70	-	-	-
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	-	80	-	14	-	-	149	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	7	-	2	-	-	-	982	-	-	460	-	553	-	-	-
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	38	-	-	6,000	39	12,000	38	6,000	221	-	851	-	2,415	-	-	3,505	-	1,422	-	-	-
SURFACE AT UG:																						
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	258	-	63	-	-	-
GOLD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	175	-	19	-
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	36	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	236	-	-	-	68	-
TUNGSTEN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	646	-	274	-	87	-
TOTAL UNDERGROUND:																						
COPPER-----	-	8	-	-	-	5	-	-	-	219	-	379	-	821	-	-	1,603	-	377	-	-	-
GOLD-----	-	30	-	-	6,000	-	12,000	31	6,000	-	-	382	-	374	-	-	865	-	437	-	19	-
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	34	-	-	-	-	-	10	-	46	-	-	663	-	259	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	178	-	-	75	-	70	-	-	-
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	-	80	-	14	-	-	152	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	7	-	2	-	-	-	982	-	-	696	-	553	-	68	-
TUNGSTEN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97	-	-	-	-	-
TOTAL-----	-	38	-	-	6,000	39	12,000	38	6,000	221	-	851	-	2,415	-	-	4,151	-	1,696	-	87	-
SURFACE MINES:																						
OPEN PIT:																						
COPPER-----	12,000	600	-	-	-	-	-	-	-	-	-	212	-	-	-	32	1,145	-	394	-	-	-
GOLD-----	-	9	-	-	6,000	-	-	-	-	-	-	12	-	-	-	3	3,545	-	2,454	-	-	-
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114	-	2,175	-	838	-	2	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	2	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103	-	37	-	-	-
NICKEL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	-	100	-	-	-
URANIUM-----	-	-	-	-	-	107	-	-	-	3	-	-	-	-	-	-	48	-	155	-	-	-
TOTAL-----	12,000	609	-	-	6,000	107	-	-	-	3	-	226	-	-	-	149	7,105	-	3,980	-	2	-

TABLE 16. - NUMBER OF LOST HOURS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
COPPER	-	780	-	1	-	-	-	-	-	-	616	2,052	-	31	-	-	-	-	-	-	6,571	-
GOLD	-	729	-	99	-	-	-	-	-	-	645	432	-	35	-	-	-	-	-	-	4,005	-
IRON	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	11	-
LEAD-ZINC	-	1,246	-	162	-	-	-	-	-	-	170	913	-	10	-	-	-	-	-	-	3,415	-
MOLYBDENUM	-	-	-	5	-	-	-	-	-	-	85	181	-	24	-	-	-	-	-	-	775	-
PLATINUM	6,000	-	-	2	-	-	-	-	-	-	689	115	-	39	-	-	98	-	-	-	1,052	-
SILVER	-	3,378	-	-	-	-	-	-	-	-	993	1,064	-	-	-	-	-	-	-	-	7,622	-
URANIUM	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	16	-
TOTAL	6,000	6,133	-	269	2	-	-	-	-	-	3,214	4,768	-	139	-	-	98	-	-	-	48,000	23,467
SURFACE AT IG:																						
COPPER	-	11	-	-	-	-	-	-	-	-	75	457	-	-	-	-	-	-	-	-	864	-
GOLD	-	182	-	-	-	-	-	-	-	-	115	22	-	-	-	-	-	-	-	-	559	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	32	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	3	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	522	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	59	-	-	-	-	-	-	-	-	76	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	97	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	193	-	-	28	-	-	-	-	-	190	586	-	-	-	-	-	-	-	-	2,167	-
TOTAL UNDERGROUND:																						
COPPER	-	791	-	1	-	-	-	-	-	-	681	2,509	-	-	-	-	-	-	-	-	7,435	-
GOLD	-	911	-	99	-	-	-	-	-	-	760	494	-	-	-	-	-	-	-	-	4,564	-
IRON	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	11	-
LEAD-ZINC	-	1,246	-	162	-	-	-	-	-	-	170	916	-	-	-	-	-	-	-	-	3,476	-
MOLYBDENUM	-	-	-	5	-	-	-	-	-	-	85	197	-	-	-	-	-	-	-	-	807	-
PLATINUM	6,000	-	-	2	-	-	-	-	-	-	689	115	-	-	-	-	-	-	-	-	1,055	-
SILVER	-	3,378	-	-	-	-	-	-	-	-	993	1,123	-	-	-	-	98	-	-	-	8,144	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	29	-
URANIUM	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	113	-
TOTAL	6,000	6,326	-	269	30	-	-	-	-	-	3,404	5,354	-	139	-	-	98	-	-	-	48,000	25,634
SURFACE MINES:																						
SURFACE AT IG:																						
COPPER	6,000	387	-	-	-	-	-	-	-	-	595	1,322	-	-	-	-	-	-	-	-	4,772	-
GOLD	-	6,820	-	-	-	-	-	-	-	-	990	1,784	-	-	-	-	-	-	-	-	15,968	-
IRON	-	1,336	-	-	-	-	-	-	-	-	542	1,950	-	-	-	-	-	-	-	-	7,009	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	29	114	-	-	-	-	-	-	-	-	4	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	283	-
PLATINUM	-	22	-	-	-	-	-	-	-	-	-	81	-	-	-	-	-	-	-	-	74	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	194	-	-	-	-	-	-	-	-	269	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	507	-
TOTAL	6,000	8,565	-	-	5	-	-	-	-	-	2,156	5,477	-	-	-	-	-	-	-	-	30,000	28,832

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
DREDGE:																						
GOLD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	5	-	-
TITANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	97	-	-
TOTAL SURFACE:																						
COPPER-----	12,000	600	-	-	-	-	-	-	-	-	212	-	-	-	32	-	1,145	-	394	-	-	-
GOLD-----	-	9	-	-	6,000	-	-	-	-	12	-	-	-	-	3	-	3,574	-	2,459	-	-	-
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114	-	2,175	-	838	-	2	
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103	-	37	-	-	-
NICKEL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	-	100	-	-	-
TITANIUM-----	-	-	-	-	-	107	-	-	-	3	-	-	-	-	-	-	-	-	92	-	-	-
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	155	-	-	-
TOTAL-----	12,000	609	-	-	6,000	107	-	-	-	3	226	-	-	-	149	-	7,134	-	4,077	-	2	-
TOTAL MINING:																						
COPPER-----	12,000	608	-	-	-	5	-	-	219	591	-	821	-	32	-	2,748	-	771	-	-	-	-
GOLD-----	-	39	-	-	12,000	-	12,000	31	6,000	394	-	374	-	3	-	4,439	-	2,896	-	19	-	-
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	114	-	2,175	-	838	-	2	-	-
LEAD-ZINC-----	-	-	-	-	-	34	-	-	-	12	-	46	-	-	-	663	-	261	-	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	178	-	-	-	178	-	107	-	-	-	-
NICKEL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	80	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	152	-	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	7	-	2	-	-	-	-	-	-	6	-	-	-	-	-	-
TITANIUM-----	-	-	-	-	-	-	-	-	-	-	-	982	-	-	-	779	-	653	-	68	-	-
TUNGSTEN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	-	-	-	-
URANIUM-----	-	-	-	-	-	107	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	12,000	647	-	-	12,000	146	12,000	38	6,000	224	1,077	2,415	-	149	-	11,285	-	5,773	-	89	-	-
INDEPENDENT SHOPS:																						
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	277	-	61	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	277	-	61	-	-	-

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
DREDGE:																						
GOLD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	36
TITANIUM-----	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	102
TOTAL-----	-	10	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	138
TOTAL SURFACE:																						
COPPER-----	6,000	387	-	-	-	-	-	-	-	-	6,000	595	-	1,322	-	30	-	-	-	5	24,000	4,722
GOLD-----	-	6,820	-	-	-	5	-	-	-	-	-	990	-	1,766	-	286	-	-	-	70	6,000	15,994
IRON-----	-	1,336	-	-	-	-	-	-	-	-	-	542	-	1,950	-	51	-	-	-	1	-	7,009
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	29	-	114	-	-	-	-	-	-	-	283
NICKEL-----	-	22	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	74
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	81	-	5	-	-	-	-	-	269
TITANIUM-----	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	102
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	194	-	-	-	-	-	-	-	507
TOTAL-----	6,000	8,575	-	-	-	5	-	-	-	-	6,000	2,156	-	5,479	-	372	-	-	-	76	30,000	28,970
TOTAL MINING:																						
COPPER-----	6,000	1,178	-	1	-	-	-	-	-	-	6,000	1,286	-	3,831	-	61	-	-	-	5	24,000	12,157
GOLD-----	-	7,731	-	99	-	17	-	-	-	-	6,000	1,750	6,000	2,220	-	321	-	-	225	42,000	20,558	
IRON-----	-	1,336	-	-	-	-	-	-	-	-	-	542	-	1,961	-	51	-	-	-	1	-	7,020
LEAD-ZINC-----	-	1,246	-	-	-	-	-	-	-	-	-	170	-	916	-	10	-	-	-	122	-	3,480
MOLYBDENUM-----	-	-	-	162	-	16	-	-	-	-	-	114	-	311	-	24	-	-	-	-	-	1,090
NICKEL-----	-	22	-	-	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	74
PLATINUM-----	6,000	-	-	5	-	-	-	-	-	-	-	689	6,000	115	-	-	-	-	-	-	12,000	1,055
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
SILVER-----	-	3,378	-	2	-	2	-	-	-	-	-	993	-	1,204	-	44	-	98	-	201	-	8,413
TITANIUM-----	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	102
TUNGSTEN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	29
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	16	-	194	-	-	-	-	-	-	-	620
TOTAL-----	12,000	14,901	-	269	-	35	-	-	-	-	12,000	5,560	12,000	10,833	-	511	-	98	-	554	78,000	54,604
INDEPENDENT SHOPS:																						
IRON-----	-	-	-	-	-	-	-	-	-	-	-	118	-	83	-	-	-	39	-	-	-	578
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	118	-	83	-	-	-	39	-	-	-	578

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
ALUMINUM ORE-----	-	183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,741	-	1,857	-	28	-
BERYL-----	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER-----	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	1,743	-	160	-	-	-
GOLD-----	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,263	-	418	-	262	-
IRON-----	-	9	-	-	-	59	-	-	-	-	-	-	-	-	-	-	5,399	-	1,445	-	47	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	657	-	314	-	-	-
MANGANESE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	301	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	193	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	29	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	-	56	-	7	-
TUNGSTEN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	356	-	-	-	-	-
ZIRCON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	232	-	-	-	59	-	-	5	-	-	-	-	-	-	-	11,468	-	4,580	-	344	-
TOTAL MINES AND PLNTS:																						
ALUMINUM ORE-----	-	183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,741	-	1,857	-	28	-
BERYL-----	12,000	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER-----	12,000	608	-	-	-	5	-	-	-	-	-	-	-	-	-	-	4,491	-	931	-	-	-
GOLD-----	-	50	-	-	12,000	-	12,000	31	6,000	224	591	821	32	-	-	-	5,702	-	3,314	-	281	-
IRON-----	-	9	-	-	-	59	-	-	-	-	394	374	3	-	-	-	7,851	-	2,344	-	49	-
LEAD-ZINC-----	-	-	-	-	-	34	-	-	-	-	-	-	114	-	-	-	7,851	-	2,344	-	-	-
MANGANESE-----	-	-	-	-	-	-	-	-	-	-	12	46	-	-	-	-	1,320	-	575	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	301	-	-	-
NICKEL-----	-	-	-	-	-	-	-	-	-	-	-	-	178	-	-	-	371	-	107	-	-	-
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	80	14	-	-	-	-	152	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	7	-	2	-	-	-	-	-	-	-	856	-	709	-	75	-
TITANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	982	-	-	-	-	-	92	-	-	-
TUNGSTEN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-
URANIUM-----	-	-	-	-	-	107	-	-	3	-	-	-	-	-	-	-	501	-	155	-	-	-
ZIRCON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	12,000	879	-	-	12,000	205	12,000	38	6,000	229	1,077	2,415	149	-	-	-	23,030	-	10,414	-	433	-
OFFICE:																						
GOLD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	-	-	-	-	-

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		IMMUNIZATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
PROCESSING PLANTS:																						
ALUMINUM ORE	-	2,639	-	16	-	-	-	-	-	-	-	527	-	1,025	-	-	-	-	-	30	-	8,046
BERYL	-	-	-	-	-	-	-	-	-	-	-	105	-	-	-	-	-	-	-	19	-	134
COPPER	-	271	-	-	-	-	-	-	-	-	-	808	-	531	-	-	-	-	-	69	-	3,577
GOLD	-	35	-	24	-	-	-	-	-	-	-	650	-	1,443	-	10	-	-	-	130	-	4,317
IRON	-	375	-	-	-	-	-	-	-	-	-	1,070	-	2,337	-	257	-	-	56	369	-	11,423
LEAD-ZINC	-	53	-	-	-	-	-	-	-	-	-	-	-	268	-	-	-	-	23	-	-	1,315
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	304	-	97	-	-	-	-	-	160	-	879
MOLYBDENUM	-	3	-	-	-	-	-	-	-	-	-	52	-	153	-	-	-	-	-	-	-	401
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	1	-	24	-	-	-	-	-	-	-	56
SILVER	-	-	-	-	-	-	-	-	-	-	-	128	-	273	-	-	-	-	-	-	-	541
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
URANIUM	-	138	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	551
ZINC	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
TOTAL	-	3,514	-	40	-	-	-	-	-	-	-	3,646	-	6,159	-	279	-	288	-	647	-	31,261
TOTAL MINES AND PLANTS:																						
ALUMINUM ORE	-	2,639	-	16	-	-	-	-	-	-	-	527	-	1,025	-	-	-	-	-	30	-	8,046
BERYL	-	-	-	-	-	-	-	-	-	-	-	105	-	-	-	-	-	-	-	19	-	134
COPPER	6,000	1,449	-	1	-	-	-	-	-	-	5,000	2,094	-	4,362	-	71	-	-	24	294	-	15,734
GOLD	-	7,766	-	123	-	17	-	-	-	-	6,000	2,400	-	3,653	-	333	-	30	294	370	-	24,875
IRON	-	1,711	-	-	-	-	-	-	-	-	1,730	-	-	4,381	-	308	-	95	122	-	-	19,021
LEAD-ZINC	-	1,299	-	-	-	-	-	-	-	-	170	-	-	1,184	-	10	-	23	160	-	-	4,795
MANGANESE	-	-	-	-	-	-	-	-	-	-	304	-	-	97	-	24	-	-	-	-	-	1,491
MOLYBDENUM	-	3	-	-	-	-	-	-	-	-	166	-	-	464	-	24	-	-	-	-	-	74
NICKEL	-	22	-	-	-	-	-	-	-	-	-	689	-	115	-	-	-	-	-	-	-	1,055
PLATINUM	6,000	-	-	5	-	-	-	-	-	-	-	1	-	24	-	-	-	-	-	-	-	72
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	1,477	-	44	-	98	201	-	8,954	
SILVER	-	3,378	-	2	-	2	-	-	-	-	1,121	-	-	-	-	-	-	-	-	-	-	102
TITANIUM	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	1,171
URANIUM	-	138	-	-	-	-	-	-	-	-	16	-	-	202	-	-	-	49	-	-	-	1
ZINC	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
TOTAL	12,000	18,415	-	309	-	35	-	-	-	-	12,000	9,324	-	12,000	-	790	-	425	-	1,201	-	78,000
86,443																						
OFFICE:																						
GOLD	-	-	-	-	-	-	-	-	-	-	1	-	-	4	-	-	-	-	-	-	-	41
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	1	-	-	4	-	-	-	-	-	-	-	80

TABLE 16 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL																						
ALUMINUM ORE		183															1,741		1,857		28	
BERYL		29																				
COPPER	12,000	608															4,491		931			
GOLD		50			12,000	5	12,000	31	6,000	224		591		821		32	5,738		3,314		281	
IRON		9				59						394		374		3	7,883		2,344		49	
LEAD-ZINC						34						12		46		114	1,320		575			
MANGANESE																	17		301			
MOLYBDENUM														178			371		107			
NICKEL																						
PLATINUM												80		14			152					
RARE EARTHS																	18		29			
SILVER								7		2				982			856		709		75	
TITANIUM																			92			
TUNGSTEN																	10					
URANIUM						107				3							501		155			
ZIRCON																						
TOTAL	12,000	879			12,000	205	12,000	38	6,000	229		1,077		2,415		149	23,098		10,414		433	

TABLE 16 NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL																						
ALUMINUM ORE		2,639		16								527		1,025						30		8,046
BERYL												105										134
COPPER	6,000	1,449		1							6,000	2,094		4,362		71		30		24	24,000	15,734
GOLD		7,766		123		17					6,000	2,401		3,667		333		130		294	42,000	24,916
IRON		1,711										1,730		4,381		308		95		370		19,053
LEAD-ZINC		1,299										170		1,184		10		23		122		4,795
MANGANESE												304		97						160		879
MOLYBDENUM		3		162		16						166		464		24						1,491
NICKEL		22												52								74
PLATINUM	6,000			5								689		115							12,000	1,055
RARE EARTHS												1		24								72
SILVER		3,378		2		2						1,121		1,477		44		98		201		8,954
TITANIUM		10																				102
TUNGSTEN														29								39
URANIUM		138										16		202		7		49				1,178
ZIRCON												1										1
TOTAL	12,000	18,415		309		35					12,000	9,325	12,000	17,079		797		425		1,201	78,000	66,523

TABLE 17 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					TOTAL FATAL AND NFI	NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	FATAL	NFI			TOTAL FATAL AND NFI					TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TOTAL FATAL AND NFI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		PERMANENT	TEMPORARY	TOTAL											PERMANENT	TEMPORARY	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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TABLE 17 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI		TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TOTAL				PARTIAL								
TOTAL OR AVERAGE, U.S.																
BELT/MAN/ROOM ORP		5	5	72	8	6	1			72	50	14	14			14
BULDOZER/MOBILE EQUIP		8	8	248	32	12	4			248	50	35	37			37
CAR DUMP/GRIZZLY/SCREEN		2	2	90	2	2	2			90		46	46			46
CLEANUP/VENTILATION		2	2	211	2	4	1			211		106	106			106
DRAG/CRANE/SHOVEL ORP		45	44	1,537	89	155	21	6,000		1,537	450	38	180			180
DRILL OPERATOR	1	10	11	306	11	24	13			306	50	40	41			41
ELECTRICIAN		1	1	78	1	28	5			78		78	78			78
FRONT END LOADER		23	23	858	10	14	4			858	50	41	42			42
HAUL DUMP		10	10	180	61	189	48			180		18	18			18
HOIST/CAGE/SKIP		61	61	3,157	4	8	1			3,157		52	52			52
LADDER		4	4	119	4	132	68			119		30	30			30
LOADING MACH ORP		64	64	1,976	187	365	14	18,000		1,976	200	31	155			155
MECHANIC/MAINTENANCE		177	184	6,275	8	12	6			6,275	475	23	23			23
MINER	3	8	8	152	2	6	4			152		8	8			8
MINING MACH ORP		6	6	15	2	52	24			15		25	25			25
POWER/HANDBLASTER		2	2	62	2	5	3			62		3	3			3
PREP PLANT ORP		27	28	594	20	47	24	18,000		594	100	50	813			813
RAIL TRANS AND HAUL		2	2	48	5	12	7			48		10	10			10
ROCK/ROOF BOILER		18	18	121	3	4	1	6,000		121	50	36	43			43
SUPERVISOR/FOREMAN		5	5	346	9	16	7			346		705	705			705
TECH/PROD/CLERICAL		3	3	480	11	20	9			480		48	48			48
THUNDERMAN/JACKSETTER		8	8	675	19	29	10			675		38	38			38
TRUCK DRIVER	1	10	11	19,709	531	980	441	48,000		19,709	5,925	269	137			137
WELDER/MACHINIST		18	19	25	19	29	10			25		35	35			35
N E C OR UNKNOWN		22	22	73,634	531	980	441			73,634		269	137			137
TOTAL OR AVERAGE	8															
SURFACE MINES																
OPEN PIT		2	2	11	2	4	2			11		6	6			6
BELT/MAN/ROOM ORP		58	58	1,388	3	67	9			1,388		24	24			24
BULDOZER/MOBILE EQUIP		3	3	41	3	4	1	6,000		41		14	14			14
CLEANUP/VENTILATION		20	20	379	21	29	8			379		19	19			19
DRAG/CRANE/SHOVEL ORP		25	25	579	25	39	14			579		23	23			23
DRILL OPERATOR	2	8	9	500	11	23	12	12,000		500	600	53	181			181
ELECTRICIAN		13	13	684	13	31	4			684		30	30			30
FRONT END LOADER		94	95	2,879	31	126	31			2,879		34	34			34
LADDER		182	188	6,442	188	318	130	6,000		6,442		618	618			618
MECHANIC/MAINTENANCE	1	6	6	255	20	30	10			255	6,000	60	60			60
MINER		18	19	553	19	17	7			553		30	30			30
POWER/HANDBLASTER		9	9	886	10	54	15			886		76	76			76
PREP PLANT ORP		2	2	834	32	26	12			834		43	43			43
RAIL TRANS AND HAUL		30	30	627	30	36	15			627		30	30			30
SUPERVISOR/FOREMAN		11	11	507	11	20	8	5,000		507		100	100			100
TECH/PROD/CLERICAL		20	20	2,732	20	49	16			2,732		22	22			22
TRUCK DRIVER	1	2	2	375	33	23	6			375		27	27			27
WELDER/MACHINIST		17	17	28,832	17	956	336	30,000		28,832		195	85			85
N E C OR UNKNOWN																
TOTAL OR AVERAGE	5	1	18	636	655	956	336									

TABLE 17
NUMBER OF INJURIES, LOSI WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
ALL METALLIC MINERAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

[illegible]

TABLE 17 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY
		PERMANENT	TOTAL					TOTAL NFI					
			TOTAL	PARTIAL									
									TOTAL	PARTIAL			
TOTAL OR AVERAGE MINING													
BELT/HAUL ROOM ORP													
BULLDOZER/MOBILE EQUIP													
CAR DUMP/GRITZLY/SCREEN													
CLEANUP/VENTILATION													
DAG/CRANE/SHOVEL ORP	1												
DREDGE/SARGE/BOAT													
DRILL OPERATOR													
ELECTRICIAN	1												
FRONT END LOADER	2												
HAUL DUMP													
HOT/ICE/SKIP													
LABORER													
LOADING MACH ORP													
MECHANIC/MAINTENANCE													
MINER	4												
MINING MACH ORP													
POWDERMAN/BLASTER													
PREP PLANT ORP													
RAIL TRAMP AND HAUL													
ROCK/BOF/SOLTER													
SUPERVISOR/FOREMAN													
TECH/PROP/CLERICAL	3												
TIMBERMAN/JACKSETTER													
TRUCK DRIVER	2												
WELDER/MACHINIST													
N E C OR UNKNOWN													
TOTAL OR AVERAGE	13	40	1,153	1,194	1,207	783	1,990	6,000	9,433	39,171	54,604	236	34
INDEPENDENT SHOPS													
DAG/CRANE/SHOVEL ORP													
ELECTRICIAN													
LABORER													
MECHANIC/MAINTENANCE													
MINER													
WELDER/MACHINIST													
N E C OR UNKNOWN													
TOTAL OR AVERAGE		2	20	22	22	12	34		100	478	578	50	24

TABLE 17 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1987 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NON-FATAL		TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL	NON-FATAL		TOTAL FATAL AND NON-FATAL	PERCENT NON-FATAL	TEMPORARY RISKY	TOTAL FATAL AND NON-FATAL	PERCENT NON-FATAL	TEMPORARY RISKY	TOTAL FATAL AND NON-FATAL
		PERMANENT	PARTIAL				PERMANENT	PARTIAL							
PROCESSING PLANTS															
BELT/HAND ROOM OPER				3	3	3	5			43	43	43		14	14
BUILDING/MOBILE EQUIP				7	7	7	11			649	649	649		93	93
CR. DUMP/GRIZZLY/SCREEN	1			1	1	1	1			50	50	50		50	50
CLEANING/VENTILATION															
DRAG/CRANE/SOVEL OPER				2	2	2	4			300	300	300		1	1
DRILL OPERATOR	1			1	1	1	1			52	302	302		25	101
ELECTRICIAN				23	23	23	45			578	578	578		57	52
FRONT END LOADER				5	5	5	9			62	62	62		12	12
LABORER				102	103	103	158			4,366	4,316	4,316		42	40
MECHANIC/MAINTENANCE	1			302	311	311	550			8,667	9,807	9,807		25	25
MINER	9			6	6	6	13			128	128	128		21	21
PREP PLANT OPER	4			225	229	229	407			8,280	8,756	8,756		35	37
RAIL TRACKS AND YARD				1	1	1	1			254	254	254		20	20
SUPERVISOR/FOREMAN	1			13	14	14	45			263	263	263		29	29
TECH. DRIVER/OPERATOR				30	30	30	50			871	871	871		48	48
TRUCK DRIVER	1			13	14	14	17			629	679	679		48	48
WELDER/MACHINIST				13	13	13	22			1,429	1,622	1,622		42	42
N.E.C. OR UNKNOWN															
TOTAL OR AVERAGE	19			787	806	806	1,396			4,822	31,361	31,261		34	39

TABLE 17 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL NFDL	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL					TEMPO- RARY	TOTAL NFDL
TOTAL OR AVERAGE	13	1	61	1,960	2,022	2,035	1,385	3,420	6,000	14,355	66,088	235	34	81		
ALL MINES AND PLANTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BELTMAN/ROOM OPR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BULLDOZER/MOBILE EQUIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CAR DUMP/GRIZZLY/SCREEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CLEANUP/VENTILATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DREDGE/CRANE/SHOVEL OPR	1	-	-	23	24	25	10	35	6,000	300	404	704	6,704	18	268	
DREDGE/CRANE/SHOVEL OPR	-	-	-	3	3	3	3	4	-	24	24	24	24	8	-	
DRILL OPERATOR	1	-	-	69	70	71	35	106	6,000	450	2,668	2,718	8,718	33	123	
ELECTRICIAN	2	-	-	45	48	50	49	99	12,000	700	1,516	2,216	14,216	34	284	
FRONT END LOADER	-	-	-	19	19	19	9	28	-	100	824	824	824	43	43	
HAUL DUMP	-	-	-	21	23	23	5	28	-	150	10,379	10,529	10,529	18	18	
HOT/STAGE/SKIP	-	-	-	10	10	10	14	14	-	8	119	119	119	30	30	
LABORER	-	-	-	263	265	265	134	399	-	1,900	16,405	18,385	18,385	99	30	
LOADING MACH OPR	-	-	-	4	4	4	4	8	-	5,000	6,771	17,521	41,521	34	194	
MECHANIC/MAINTENANCE	4	1	7	202	210	214	185	399	24,000	4,750	6,889	17,521	41,521	679	194	
MINER	-	-	-	8	8	8	6	14	-	-	705	705	705	86	86	
MINING MACH OPR	-	-	-	15	16	16	13	29	-	50	9,788	9,788	9,788	47	47	
POWDERMAN/BLASTER	-	-	-	268	274	274	194	468	-	620	2,565	2,615	2,615	34	36	
PREP PLANT OPR	-	-	-	39	40	40	28	68	-	50	62	62	62	66	65	
RAIL TRANS AND HAUL	-	-	-	1	2	2	3	5	-	-	1,334	3,984	21,984	31	431	
ROCK/ROOF BOLTER	-	-	-	6	6	6	68	119	18,000	2,550	1,526	1,526	1,526	442	32	
SUPERVISOR/FOREMAN	3	-	-	42	48	51	42	97	-	-	1,526	1,526	1,526	28	28	
TECH/PROF/CLERICAL	-	-	-	55	55	55	43	97	-	50	71	121	121	36	34	
TIMBERMAN/JACKSETTER	-	-	-	2	3	3	1	4	-	-	3,582	3,757	15,757	50	40	
TRUCK DRIVER	2	-	-	105	108	110	43	153	12,000	175	2,298	4,453	4,453	31	56	
WELDER/MACHINIST	-	-	-	75	79	79	49	128	-	2,155	1,583	1,583	1,583	31	31	
N.E.C. OR UNKNOWN	-	-	-	51	52	52	29	81	-	75	-	-	-	-	-	
TOTAL OR AVERAGE	13	1	61	1,960	2,022	2,035	1,385	3,420	78,000	6,000	14,355	66,088	164,443	235	81	
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LABORER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MECHANIC/MAINTENANCE	-	-	-	1	1	1	3	3	-	-	7	7	7	7	7	
PREP PLANT OPR	-	-	-	2	2	2	2	9	-	-	-	-	-	-	-	
TECH/PROF/CLERICAL	-	-	-	1	1	1	1	1	-	-	14	14	14	1	1	
TRUCK DRIVER	-	-	-	4	4	4	2	6	-	-	58	58	58	14	14	
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	8	8	8	14	22	-	-	80	80	80	10	10	

TABLE 17 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT METALLIC MINERS' OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDI			TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI	
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDI	PERMANENT						
										TOTAL	PARTIAL					
																TOTAL
GRAND TOTAL OR AVERAGE	13	61	1,968	2,030	2,043	1,399	3,442	78,000	6,000	14,355	66,168	154,523	235	34	81	
BELTMAN/BOOM OPR	-	-	10	74	3	5	15	-	-	-	126	2,337	126	13	31	32
BULLDOZER/MOBILE EQUIP	-	-	73	3	5	17	91	-	-	-	2,287	142	2,337	50	46	47
CAR DUMP/GRIZZLY/SCREEN	-	-	2	5	3	5	3	-	-	-	92	252	252	50	50	50
CLEANUP/VENTILATION	-	-	5	3	5	1	10	-	-	-	404	704	6,704	300	18	268
DRAG/CRAVE/SHOVEL OPR	1	1	23	24	25	10	35	6,000	-	300	24	24	24	8	8	8
DREDGE/BARGE/BOAT	-	-	3	3	3	1	4	-	-	-	268	2,216	2,216	450	33	123
DRILL OPERATOR	1	1	69	70	71	35	106	6,000	-	450	700	824	824	233	34	284
ELECTRICIAN	2	3	45	48	50	49	99	12,000	-	700	1,516	14,216	233	43	43	43
FRONT END LOADER	-	-	19	19	19	9	28	-	-	-	858	958	50	41	42	42
HAUL DUMP	-	-	21	23	23	5	28	-	-	-	180	180	180	18	18	18
HOIST/CAGE/SKIP	-	-	10	10	10	4	14	-	-	-	10,379	10,529	75	39	40	40
LABORER	-	-	263	265	265	137	402	-	-	-	119	119	119	99	30	32
LOADING MACH. OPR	-	-	4	4	4	4	8	-	-	-	16,412	18,392	41,521	679	34	34
MECHANIC/MAINTENANCE	4	7	202	210	214	185	399	24,000	6,000	4,750	6,771	17,521	689	86	86	86
MINER	-	-	8	8	8	6	14	-	-	-	705	755	755	50	47	47
MINING MACH. OPR	-	-	15	16	16	13	29	-	-	-	9,788	9,788	9,788	103	34	36
POWDERMAN/BLASTER	-	-	268	274	274	196	470	-	-	-	2,565	2,615	2,615	50	47	47
PREP PLANT OPR	-	-	39	40	40	28	68	-	-	-	62	62	62	31	31	31
ROCK/ROAD BOILER	-	-	2	2	2	3	5	-	-	-	1,334	3,964	21,964	442	32	32
SUPERVISOR/FOREMAN	3	6	42	48	51	68	119	18,000	-	2,650	1,540	1,540	1,540	50	36	40
TECH. PROF. /CLERICAL	-	-	57	57	57	49	106	-	-	-	50	121	121	58	34	34
TIMBERMAN/JACKSETTER	-	-	2	3	3	1	4	-	-	-	3,583	3,758	15,758	539	31	56
TRUCK DRIVER	2	3	106	109	111	43	154	12,000	-	175	2,298	4,453	4,453	75	30	31
WELDER/MIGWELDER	-	-	75	79	79	49	128	-	-	-	1,641	1,716	1,716	235	34	34
N.E.C. OR UNKNOWN	-	-	55	56	56	31	87	-	-	-	56,168	86,523	154,523	235	34	34
TOTAL OR AVERAGE	13	61	1,968	2,030	2,043	1,399	3,442	78,000	6,000	14,355	66,168	86,523	154,523	235	34	81

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY									
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL							
		PERMANENT	TOTAL						TOTAL	PARTIAL	TEMPORARY											
			TOTAL	TEMPORARY	TOTAL NFDL																	
UNDERGROUND MINES:																						
UNDERGROUND:																						
ELECTRICAL	-	-	-	2	2	-	2	-	-	-	38	38	-	19	19							
EXPLODING VESSEL	-	-	-	2	2	-	3	6,000	-	-	39	39	-	20	2,013							
UNDER PRESSURE	1	-	-	-	-	-	3	-	-	-	-	-	-	10	2,006							
EXPLOSIVE AND BREAKING AGENT	2	-	-	4	4	1	7	12,000	-	-	38	38	-	110	2,074							
FALLING, ROLLING, OR SLIDING MATERIAL	1	-	-	2	2	-	3	6,000	-	-	221	221	-	41	41							
FALL OF FACE, RIB, SIDE OR HIGHWALL	-	-	-	21	21	13	34	-	-	-	851	851	-	54	55							
FALL OF ROOF (UNDERGROUND MINES ONLY)	-	-	-	43	44	37	81	-	-	-	2,415	2,415	-	28	30							
GROUND MINES ONLY	-	-	-	117	117	89	206	-	-	-	3,505	3,505	-	46	46							
HANDLING MATERIAL	-	-	-	106	106	66	97	-	-	-	1,322	1,322	-	57	213							
HAND TOOL	-	-	-	28	31	2	2	-	-	-	3,000	3,000	-	27	27							
NONPOWERED HAULAGE	-	-	-	55	56	17	74	6,000	-	-	269	269	-	2	2							
POWERED HAULAGE	1	-	-	10	10	4	14	-	-	-	2	2	-	29	120							
HOISTING	-	-	-	1	1	-	1	-	-	-	1,125	1,125	-	375	375							
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	-	73	76	105	182	-	-	-	2,089	2,089	-	50	210							
MACHINERY	1	-	-	3	3	36	116	12,000	-	-	1,000	1,000	-	12	12							
SLIP OR FALL OF PERSON	2	-	-	75	78	80	144	-	-	-	139	139	-	98	98							
STEPPING OR KNEELING ON OBJECT	-	-	-	12	12	2	14	-	-	-	315	315	-	45	45							
STRIKING OR BUMPING	-	-	-	1	1	6	13	-	-	-	17,592	17,592	-	40	151							
OTHER INJURIES	-	-	-	7	7	-	13	-	-	-	5,875	5,875	-	280	280							
TOTAL OR AVERAGE	8	21	443	464	472	379	851	48,000	-	-	23,467	23,467	-	50	50							
SURFACE AT UNDERGROUND:																						
HANDLING MATERIAL	-	-	-	23	24	29	53	-	-	-	596	596	-	26	27							
HAND TOOL	-	-	-	3	3	14	19	-	-	-	274	274	-	55	55							
NONPOWERED HAULAGE	-	-	-	3	3	-	3	-	-	-	87	87	-	29	29							
POWERED HAULAGE	-	-	-	6	6	2	8	-	-	-	193	193	-	32	32							
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	-	2	2	-	2	-	-	-	28	28	-	14	14							
MACHINERY	-	-	-	9	9	7	16	-	-	-	190	190	-	21	21							
SLIP OR FALL OF PERSON	-	-	-	14	14	6	20	-	-	-	586	586	-	42	42							
STRIKING OR BUMPING	-	-	-	4	4	3	7	-	-	-	163	163	-	41	41							
OTHER INJURIES	-	-	-	66	67	62	129	-	-	-	2,167	2,167	-	32	32							
TOTAL OR AVERAGE	-	1	66	67	67	62	129	-	-	-	2,117	2,117	-	50	50							

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY										
	FATAL	NFDL		TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL									
		PERMANENT						PERMANENT															
		TOTAL	PARTIAL					TOTAL	PARTIAL														
TOTAL OR AVERAGE, UG:																							
ELECTRICAL--	-	-	-	2	2	2	-	-	-	38	-	38	38	19									
EXPLODING VESSEL	-	-	-	2	2	3	-	-	-	39	-	39	6.039	20									
UNDER PRESSURE	1	-	-	2	2	3	6,000	-	-	38	-	38	12.038	10									
EXPLOSIVE AND BREAKING	2	-	-	4	4	7	-	-	-	221	-	221	6.221	110									
AGENT--	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
FALLING, ROLLING, OR	1	-	-	2	2	3	6,000	-	-	851	-	851	851	41									
SLIDING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
OR HIGHWALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
FALL OF ROOF (UNDER-	-	-	-	21	21	13	-	-	-	851	-	851	851	41									
GROUND MINES ONLY)	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
HANDLING MATERIAL	-	1	43	44	44	81	-	-	-	2,415	75	2,490	2,415	54									
HAND TOOL	-	12	129	141	141	259	-	-	-	4,151	52	4,203	4,151	27									
POWERED TOOL	-	2	34	36	36	116	-	-	-	1,596	50	1,646	1,596	47									
POWERED HAULAGE	-	1	3	3	3	5	-	-	-	87	-	87	87	29									
HOISTING	-	-	61	62	63	19	6,000	-	-	3,326	3,000	6,326	12.326	55									
IGNITION OR EXPLOSION	-	-	10	10	10	14	-	-	-	269	-	269	269	27									
OF GAS OR DUST	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
MACHINERY	1	-	3	3	3	3	-	-	-	30	-	30	30	10									
SUB OR FALL OF	-	-	82	85	86	112	6,000	-	-	2,279	1,125	3,404	5,404	375									
PERSON	2	-	89	92	94	136	-	-	-	4,354	1,000	5,354	17,354	49									
STEPPING OR KNEELING	-	-	12	12	12	14	-	-	-	139	-	139	139	12									
ON OBJECT	-	-	1	1	1	3	-	-	-	98	-	98	98	98									
STRIKING OR BUMPING	-	-	11	11	11	20	-	-	-	478	-	478	478	43									
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
TOTAL OR AVERAGE	8	-	22	509	531	980	48,000	-	5,925	19,709	269	73,634	269	137									
SURFACE MINES:																							
OPEN PIT:																							
ELECTRICAL--	2	-	1	1	2	4	12,000	-	600	9	600	12,609	600	9									
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
UNDER PRESSURE	1	-	-	1	1	2	6,000	-	-	107	-	107	6,107	107									
FALLING, ROLLING, OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SLIDING MATERIAL	-	-	-	1	1	1	-	-	-	3	-	3	3	3									
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
OR HIGHWALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
FIRE--	-	-	4	4	4	4	-	-	-	226	-	226	226	56									
HANDLING MATERIAL	-	-	3	3	3	4	-	-	-	149	-	149	149	50									
HAND TOOL	-	-	198	208	208	323	-	-	525	6,580	52	7,105	7,105	34									
POWERED HAULAGE	-	-	75	79	79	84	-	-	1,993	1,987	498	3,980	3,980	26									
POWERED HAULAGE	1	-	76	77	78	23	6,000	-	-	2	-	2	2	2									
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	2,565	-	2,565	14,565	34									
OF GAS OR DUST	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
MACHINERY	1	-	1	1	1	1	-	-	-	5	-	5	5	5									
SUB OR FALL OF	-	-	76	79	80	50	6,000	-	390	1,766	130	8,156	8,156	23									
PERSON	-	-	165	165	165	45	-	-	-	5,477	-	5,477	5,477	33									
STEPPING OR KNEELING	-	-	24	24	24	7	-	-	-	372	-	372	372	16									
ON OBJECT	-	-	10	10	10	20	-	-	-	76	-	76	76	8									
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
TOTAL OR AVERAGE	5	1	18	636	655	966	30,000	6,000	3,508	19,324	195	58,832	195	30									

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE, FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
TOTAL	PARTIAL														
DREDGE															
HANDLING MATERIAL	-	-	3	3	3	3	6	-	-	-	29	29	-	10	10
HAND TOOL	-	-	3	3	3	3	5	-	-	-	97	97	-	32	32
POWERED HAULAGE	-	-	1	1	1	1	2	-	-	-	10	10	-	10	10
SLIP OR FALL OF PERSON	-	-	1	1	1	1	1	-	-	-	2	2	-	2	2
TOTAL OR AVERAGE	-	-	8	8	8	6	14	-	-	-	138	138	-	17	17
TOTAL OR AVERAGE SURFACE															
ELECTRICAL	2	-	1	2	4	-	4	12,000	-	600	9	609	600	9	3,152
EXPLODING VESSEL	1	-	1	1	2	-	2	6,000	-	-	107	107	-	107	3,054
UNDER PRESSURE	-	-	1	1	1	-	1	-	-	-	3	3	-	3	3
FALLING, ROLLING, OR SLIDING MATERIAL	-	-	4	4	4	-	4	-	-	-	226	226	-	56	56
FALL OF FACE, RIB, SIDE OR HIGHWALL	-	-	3	3	3	1	4	-	-	-	149	149	-	50	50
FIRE	-	-	201	211	211	118	329	-	-	525	6,609	7,134	52	33	34
HANDLING MATERIAL	-	10	78	82	82	85	168	-	-	1,953	2,084	4,077	498	27	50
HAND TOOL	-	4	1	1	1	1	1	-	-	-	2	2	-	2	2
NONPOWERED HAULAGE	1	1	77	78	79	24	103	6,000	6,000	-	2,575	8,575	-	33	184
POWERED HAULAGE	-	-	1	1	1	1	1	-	-	-	5	5	-	5	5
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	76	79	80	50	130	6,000	-	390	1,766	2,156	130	23	102
MACHINERY	1	-	3	166	166	45	211	-	-	-	5,479	5,479	-	33	33
SLIP OR FALL OF PERSON	-	-	166	166	166	45	211	-	-	-	372	372	-	16	16
STEPPING OR KNEELING ON OBJECT	-	-	24	24	24	7	31	-	-	-	76	76	-	8	8
OTHER INJURIES	-	-	10	10	10	10	20	-	-	-	19,462	28,970	195	30	88
TOTAL OR AVERAGE	5	1	18	644	663	342	1,010	30,000	6,000	3,508	19,462	28,970	195	30	88

TABLE 18 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		PERMANENT		TEMPO- RARY				PERMANENT		TEMPO- RARY					
		TOTAL	PARTIAL					TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:															
ELECTRICAL	2	-	1	3	4	6	-	12,000	-	600	47	647	600	16	2,108
EXPLODING VESSEL	2	-	-	3	3	5	-	12,000	-	-	146	146	-	49	2,429
UNDER PRESSURE	2	-	-	4	4	6	1	12,000	-	-	38	38	-	10	2,006
EXPLOSIVE AND BREAKING	1	-	-	3	3	4	-	6,000	-	-	224	224	-	75	1,556
AGENT	-	-	-	25	25	25	13	-	-	-	1,077	1,077	-	43	43
FALLING, ROLLING, OR	-	-	1	43	44	44	37	-	-	75	2,340	2,415	75	54	55
SLIDING MATERIAL	-	-	22	330	352	352	1	-	-	-	149	149	-	50	50
FALL OF FACE, RIB, SIDE	-	-	6	112	118	118	236	-	-	1,150	10,135	11,285	52	31	32
OR HIGHWALL	-	-	4	4	4	4	166	-	-	2,093	3,680	5,773	349	33	49
FALL OF ROOF (UNDER-	-	-	1	138	140	142	2	12,000	6,000	3,000	89	89	-	22	22
GROUND MINES ONLY)	-	-	-	10	10	10	4	-	-	-	5,901	14,901	3,000	43	169
FIRE	-	-	-	4	4	4	1	-	-	-	269	269	-	27	27
HANDLING MATERIAL	-	-	-	158	164	166	162	12,000	-	-	35	35	-	9	9
HAND TOOL	2	-	6	255	258	260	87	12,000	-	1,515	4,045	5,560	252	26	106
NONPOWERED HAULAGE	-	-	3	36	36	36	9	-	-	1,000	9,833	10,833	333	39	88
POWERED HAULAGE	-	-	-	1	1	1	2	-	-	-	511	511	-	14	14
HOISTING	-	-	-	21	21	21	19	-	-	-	98	98	-	98	98
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	554	554	-	26	26
OF GAS OR DUST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY	13	1	40	1,153	1,194	1,207	783	78,000	5,000	9,433	39,171	54,604	236	34	110
SLIP OR FALL OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON	-	-	1	7	8	8	4	-	-	-	227	277	50	32	35
STEPPING OR KNEELING	-	-	1	2	3	3	1	-	-	-	11	61	50	6	20
ON OBJECT	-	-	-	5	5	5	4	-	-	-	118	118	-	24	24
STRIKING OR BUMPING	-	-	-	5	5	5	-	-	-	-	83	83	-	17	17
OTHER INJURIES	-	-	-	1	1	1	2	-	-	-	39	39	-	39	39
TOTAL OR AVERAGE	-	-	2	20	22	22	12	-	-	100	478	578	50	24	26
INDEPENDENT SHOPS:															
HANDLING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND TOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWERED HAULAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MACHINERY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
		TOTAL	PERMANENT	PARTIAL				TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPO- RARY	TOTAL NFDL
PROCESSING PLANTS:	-	-	6	6	6	4	-	-	-	-	232	232	-	39	39		
ELECTRICAL	-	-	1	1	1	-	-	-	-	-	59	59	-	59	59		
EXPLODING VESSEL	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
UNDER PRESSURE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
EXPLOSIVE AND BREAKING	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
AGENT	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
FALLING, ROLLING, OR	-	-	1	1	1	3	-	-	-	-	5	5	-	5	5		
SLIDING MATERIAL	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-		
FIRE	-	13	338	351	351	230	-	-	-	-	11,468	11,468	113	30	33		
HANDLING MATERIAL	-	1	125	126	126	150	-	-	1,470	-	4,580	4,580	312	34	36		
HAND TOOL	-	-	8	8	8	6	-	-	312	-	344	344	-	43	43		
NONPOWERED HAULAGE	-	-	31	32	32	15	-	-	-	-	3,514	3,514	2,400	36	110		
POWERED HAULAGE	-	-	3	3	3	-	-	-	2,400	-	40	40	-	13	13		
HOISTING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
IGNITION OR EXPLOSION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OF GAS OR DUST	-	-	71	72	72	93	-	-	-	-	3,346	3,346	300	47	51		
MACHINERY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SLIP OR FALL OF	-	-	156	159	159	57	-	-	340	-	5,819	5,819	113	37	39		
PERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
STEPPING OR KNEELING	-	-	16	16	16	4	-	-	-	-	279	279	-	17	17		
ON OBJECT	-	-	10	10	10	5	-	-	-	-	288	288	-	29	29		
STRIKING OR BUMPING	-	-	21	21	21	20	-	-	-	-	647	647	-	31	31		
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	19	787	806	806	590	-	-	4,822	-	31,261	31,261	254	34	39		

TABLE 18 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
																TOTAL
TOTAL OR AVERAGE:	2	1	9	10	12	4	16	12,000	-	600	279	879	12,879	600	31	1,073
ALL MINES AND PLANTS:	-	-	4	4	6	-	6	12,000	-	-	205	205	12,205	-	51	2,034
ELECTRICITY:	2	-	4	4	6	-	6	12,000	-	-	38	38	12,038	-	10	2,066
EXPLOSION OF GAS:	2	-	4	4	5	3	8	6,000	-	-	229	229	6,229	-	57	1,246
EXPLOSION OF BREAKING	1	-	4	4	5	3	8	-	-	-	1,077	1,077	1,077	-	43	43
AGENT:	-	-	25	25	25	13	38	-	-	-	2,415	2,415	2,415	-	54	55
FALLING, ROLLING, OR	-	-	43	44	44	37	81	-	-	75	2,340	2,415	2,415	-	50	50
SLIDING MATERIAL:	-	-	3	3	3	2	5	-	-	-	149	149	149	-	30	32
FALL OF FACE, RIB, SIDE	-	-	675	711	711	470	1,181	-	-	2,670	20,360	23,030	23,030	-	33	42
OR HIGHWALL:	-	-	239	247	247	317	564	-	-	2,455	7,959	10,414	10,414	-	35	36
FALL OF ROOF (UNDER-	-	-	12	12	12	8	20	-	-	-	433	433	433	-	42	42
GROUND MINES ONLY):	-	-	169	172	174	59	233	-	6,000	5,400	7,015	18,415	30,415	2,700	24	175
FIRE:	1	1	13	13	13	4	17	12,000	-	-	309	309	309	-	24	24
HANDLING MATERIAL:	36	8	43	44	44	2	81	-	-	-	35	35	35	-	9	9
HAND TOOL:	2	2	3	3	3	7	5	-	-	-	20,360	23,030	23,030	-	32	32
POWERED HAULER:	-	-	675	711	711	470	1,181	-	-	1,815	7,509	9,324	21,324	-	88	88
HOISTING:	-	-	239	247	247	317	564	-	-	1,340	15,735	17,075	29,075	-	69	69
IGNITION OR EXPLOSION	-	-	12	12	12	8	20	-	-	-	790	790	790	-	15	15
OF GAS OR DUST:	-	-	169	172	174	59	233	-	-	-	425	425	425	-	35	35
MACHINERY:	-	-	13	13	13	4	17	-	-	-	1,201	1,201	1,201	-	29	29
SLIP OR FALL OF	2	7	4	4	4	2	6	12,000	-	-	35	35	35	-	9	9
PERSON:	-	6	234	241	243	259	502	-	-	1,815	7,509	9,324	21,324	-	88	88
STEPPING OR KNEELING	-	-	416	422	424	144	568	-	-	1,340	15,735	17,075	29,075	-	69	69
ON OBJECT:	-	-	52	52	52	13	65	-	-	-	790	790	790	-	15	15
STRIKING OR BUMPING:	-	-	12	12	12	7	19	-	-	-	425	425	425	-	35	35
OTHER INJURIES:	-	-	42	42	42	41	83	-	-	-	1,201	1,201	1,201	-	29	29
TOTAL OR AVERAGE:	13	61	1,960	2,022	2,075	1,385	3,420	78,000	6,000	14,355	66,088	86,443	164,443	235	34	81
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL:	-	-	5	5	5	7	12	-	-	-	68	68	68	-	14	14
HAND TOOL:	-	-	1	1	1	4	4	-	-	-	1	1	1	-	1	1
MACHINERY:	-	-	1	1	1	1	2	-	-	-	4	4	4	-	4	4
SLIP OR FALL OF	-	-	1	1	1	1	2	-	-	-	7	7	7	-	7	7
PERSON:	-	-	1	1	1	1	2	-	-	-	80	80	80	-	10	10
STEPPING OR KNEELING	-	-	8	8	8	14	22	-	-	-	-	-	-	-	-	-
ON OBJECT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 18. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL											
		TOTAL	PARTIAL		TOTAL					PARTIAL						
GRAND TOTAL OR AVERAGE	2	1	9	10	12	4	16	12,000	600	279	879	12,879	600	31	1,073	
ELECTRICITY	2		4	4	6		6	12,000		205	205	12,205		51	2,034	
EXPLODING VESSEL	2		4	4	6	2	8	12,000		38	38	12,038		10	2,006	
UNDER PRESSURE	2		4	4	6		8	6,000		229	229	6,229		57	1,246	
EXPLOSIVE AND BREAKING	1		4	4	5	3	8			1,077	1,077	1,077		43	43	
AGENT			25	25	25	13	38									
FALLING, ROLLING, OR			43	44	44	37	81									
SLIDING MATERIAL			3	3	3	2	5									
FALL OF FACE, RIB, SIDE			680	716	716	477	1,193									
OR HIGHWALL			239	247	247	321	568									
FALL OF ROOF (UNDER			12	12	12	8	20									
GROUND MINES ONLY)			169	172	174	59	233									
FIRE	2	1	13	13	13	4	17	12,000	6,000	7,015	18,415	30,415	2,700	42	175	
HAND TOOL			4	4	4	2	6									
NONPOWERED HAULAGE			7	7	7	2	19									
POWERED HAULAGE			235	242	244	260	504	12,000	1,815	7,510	9,325	21,325	259	32	87	
HOISTING	2	7	417	423	425	145	570	12,000	1,340	15,739	17,079	29,079	223	38	68	
IGNITION OR EXPLOSION			53	53	53	14	67									
OF GAS OR DUST			12	12	12	7	19									
MACHINERY			42	42	42	41	83									
SUP OR FALL OF			1,968	2,030	2,043	1,399	3,442	78,000	6,000	66,168	86,523	164,523	235	34	81	
PERSON	13	1	61													
STEPPING OR KNEELING																
ON OBJECT																
STRIKING OR BUMPING																
OTHER INJURIES																
TOTAL OR AVERAGE	13	1	61	1,968	2,030	2,043	1,399	3,442	78,000	6,000	14,355	86,523	235	34	81	

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFI				TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT			TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI
		TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFI				TOTAL NFI						
										TOTAL	PARTIAL				
ELECTRICAL															
EYE															
HAND															
FINGERS)															
UPPER EXTREMITIES, NEC															
LOWER LEG															
BODY SYSTEMS															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE															
EXPLODING VESSEL															
UNDER PRESSURE															
HEAD, NEC															
BACK															
SHOULDER(S)															
ANKLE															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE															
EXPLOSIVE AND BREAKING AGENT															
EAR															
FOREARM															
BACK															
SHOULDER(S)															
BODY SYSTEMS															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE															
FALLING, ROLLING, OR SLIDING MATERIAL															
FACE, NEC															
HEAD, NEC															
NECK															
BACK															
SHOULDER(S)															
LOWER LEG															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE															

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDI			TOTAL FATAL AND NFDI	FATAL	NFI	TOTAL INJURIES	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPO- RARY	TOTAL NFDI					PERMANENT		TOTAL NFI					
									TOTAL	PARTIAL						
FALL OF FACE, RIB, SIDE OR HIGHWALL																
EAR								1							6	6
EYE								1							32	32
JAW								1							80	80
MOUTH/TEETH/TONGUE								1							108	108
HEAD, NEC								1							26	26
FOREARM								1							10	10
ARTIST								1							2	2
FINGER(S)								1							271	271
UPPER EXTREMITIES, NEC								1							71	71
BACK								1							41	41
CHEST								1							152	152
SHOULDER(S)								1							2	2
LOWER LEG								1							271	271
ANKLE								1							24	24
FOOT								1							14	14
LOWER EXTREMITIES, NEC								1							25	25
MULTIPLE PARTS OF BODY								2							43	43
TOTAL OR AVERAGE			25	25	25		13	38							1,077	1,077
FALL OF ROOF (UNDER- GROUND MINES ONLY):																
EAR								1							4	4
EYE								1								
MOUTH/TEETH/TONGUE								1								
NOSE								1								
FACE, NEC								1							89	89
HEAD, NEC								1							38	38
NECK								2							14	14
ELBOW								1							68	68
FOREARM								1							3	3
ARTIST								4								
HAND								1							54	54
FINGER(S)								1							75	75
UPPER EXTREMITIES, NEC								1								
CHEST								1							14	14
PELVIC REGION								1							443	443
SHOULDER(S)								1							18	18
THIGH								2							32	32
KNEE								1							76	76
LOWER LEG								1							48	48
ANKLE								1							94	94
FOOT								1							1	1
TOE(S)								1							25	25
LOWER EXTREMITIES, NEC								1							4	4
MULTIPLE PARTS OF BODY								5							858	858
TOTAL OR AVERAGE		1	43	44	44		37	81							2,415	2,415

TABLE 19 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY								
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY						
		PERMANENT	TEMPORARY					TOTAL	PARTIAL	TEMPORARY									
			TOTAL	PARTIAL															
FIRE																			
HEAD, NEC	-	-	1	-	1	1	-	-	-	3	3	-	3						
FOREARM	-	-	1	-	1	1	-	-	-	114	114	-	114						
ANKLE	-	-	1	-	1	1	-	-	-	32	32	-	32						
BODY SYSTEMS	-	-	1	-	1	1	-	-	-	149	149	-	149						
MULTIPLE PARTS OF BODY	-	-	3	-	3	5	-	-	-	50	50	-	50						
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-						
HANDLING MATERIAL																			
EYE	-	-	27	-	27	1	-	-	-	84	84	-	3						
EAR	-	-	1	-	1	74	-	-	-	7	7	-	7						
ARM	-	-	1	-	1	10	-	-	-	6	6	-	6						
MOUTH/TEETH/TONGUE	-	-	1	-	1	3	-	-	-	90	90	-	30						
NOSE	-	-	1	-	1	3	-	-	-	300	300	-	43						
SCALP	-	-	3	-	3	19	-	-	-	141	141	-	12						
FACE, NEC	-	-	7	-	7	18	-	-	-	17	17	-	8						
HEAD, NEC	-	-	12	-	12	25	-	-	-	218	218	-	14						
NECK	-	-	2	-	2	6	-	-	-	64	64	-	11						
UPPER ARM	-	-	16	-	16	22	-	-	-	398	398	-	25						
ELBOW	-	-	16	-	16	66	-	-	-	432	432	-	27						
FOREARM	-	-	16	-	16	175	-	-	-	1,564	1,564	-	40						
Wrist	-	-	13	-	13	18	-	-	-	306	306	-	24						
HAND	-	-	325	-	325	378	-	-	-	11,900	11,900	-	7						
FINGER(S)	-	-	27	-	27	53	-	-	-	47	47	-	37						
UPPER EXTREMITIES, NEC	-	-	27	-	27	3	-	-	-	1,350	1,350	-	9						
ABDOMEN	-	-	1	-	1	4	-	-	-	53	53	-	39						
BACK	-	-	3	-	3	1	-	-	-	300	300	-	13						
CHEST	-	-	5	-	5	4	-	-	-	1,468	1,468	-	32						
PELVIC REGION	-	-	24	-	24	5	-	-	-	73	73	-	40						
SHOULDER(S)	-	-	32	-	32	3	-	-	-	201	201	-	24						
TRUNK, NEC	-	-	4	-	4	5	-	-	-	472	472	-	34						
THIGH	-	-	3	-	3	1	-	-	-	169	169	-	21						
KNEE	-	-	37	-	37	9	-	-	-	268	268	-	34						
LOWER LEG	-	-	6	-	6	4	-	-	-	5	5	-	5						
ANKLE	-	-	22	-	22	9	-	-	-	460	460	-	22						
FOOT	-	-	5	-	5	1	-	-	-	4	4	-	4						
TOE(S)	-	-	9	-	9	30	-	-	-	23,098	23,098	-	30						
LOWER EXTREMITIES, NEC	-	-	21	-	21	1	-	-	-	74	74	-	30						
BODY SYSTEMS	-	-	36	-	36	477	-	-	-	20,428	20,428	-	30						
MULTIPLE PARTS OF BODY	-	-	1	-	1	1	-	-	-	23,098	23,098	-	30						
UNCLASSIFIED	-	-	1	-	1	1	-	-	-	23,098	23,098	-	30						
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-						

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERM NFDL PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL
		PERMANENT		TOTAL					TEMPO RARY	TOTAL NFDL					
		TOTAL	PARTIAL												
HAND TOOL															
EAR															
EYE															
JAW															
MOUTH/TEETH/TONGUE															
NOSE															
SCALP															
FACE, NEC															
HEAD, NEC															
NECK															
UPPER ARM															
ELBOW															
FOREARM															
WRIST															
HAND															
FINGER(S)															
UPPER EXTREMITIES, NEC															
ABDOMEN															
BACK															
PELVIC REGION															
SHOULDER(S)															
THIGH															
KNEE															
LOWER LEG															
ANKLE															
FOOT															
TOE(S)															
LOWER EXTREMITIES, NEC															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE															
NONPOWERED HAULAGE															
JAW															
NOSE															
FOREARM															
WRIST															
FINGER(S)															
BACK															
TRUNK, NEC															
KNEE															
ANKLE															
FOOT															
TOTAL OR AVERAGE															

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI
		PERMANENT	TEMPO- RARY					TOTAL	TOTAL NFI					
			TOTAL	PARTIAL										
POWERED HAULAGE														
EAR			2		2						5		5	5
EYE			1		1						6		6	6
NOSE			1		1						42		42	42
SKULL			1		1						56		56	56
FACE, NEC			3		3						18		18	18
HEAD, NEC	1		22		22		6,000				6,018		6	1,504
NECK			1		1						1,030		47	47
UPPER ARM			1		1						5		5	5
ELBOW			1		1						19		19	19
FOREARM			1		1						184		61	61
WRIST			3		3						12		6	6
HAND			8		8						52		6	6
FINGER(S)			4		4						179		45	45
UPPER EXTREMITIES, NEC			1		1						2		2	2
ABDOMEN			51		51						2,393		47	47
BACK			7		8						525		75	815
CHEST	1		3		3		6,000				6,525		60	60
PELVIC REGION			4		4						180		55	55
SHOULDER(S)			2		2						21		10	10
TRUNK, NEC			2		2						180		90	90
KNEE			3		3						3,004	3,000	1	751
LOWER LEG		1	4		4						34		8	8
ANKLE			8		9						3,183	2,400	98	354
FOOT		1	2		3						104		52	52
TOE(S)			5		5						70		14	14
LOWER EXTREMITIES, NEC			1		1						1		1	1
BODY SYSTEMS		1	27		28			6,000			6,889		33	246
MULTIPLE PARTS OF BODY			163		174		12,000	5,400			18,415	2,700	42	175
TOTAL OR AVERAGE	2	1	2		174	59	233				309		24	309
HOISTING														
EYE			1		1						2		2	2
MOUTH/TEETH/TONGUE			1		1						2		2	2
HEAD, NEC			1		1						16		16	16
FINGER(S)			3		3						66		22	22
BACK			1		1						89		89	89
TRUNK, NEC			1		1						106		35	35
KNEE			3		3						23		5	5
ANKLE			2		2						5		5	5
FOOT			1		1						309		24	24
LOWER EXTREMITIES, NEC			13		13	4					309		24	309
TOTAL OR AVERAGE			13		13	4					309		24	309

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TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPO- RARY	TOTAL NFIDL					TOTAL	PARTIAL						
											TOTAL					PARTIAL
IGNITION OR EXPLOSION OF GAS OR DUST:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAND:	-	-	-	1	1	-	1	-	-	16	5	16	5	16	5	
UPPER EXTREMITIES, NEC:	-	-	-	1	1	-	1	-	-	5	-	5	-	5	-	
LOWER EXTREMITIES, NEC:	-	-	-	1	1	-	1	-	-	2	-	2	-	2	-	
BODY SYSTEMS:	-	-	-	1	1	-	2	-	-	12	-	12	-	12	-	
MULTIPLE PARTS OF BODY:	-	-	-	4	4	-	6	-	-	35	-	35	-	9	9	
TOTAL OR AVERAGE:	-	-	-	4	4	-	6	-	-	-	-	-	-	-	-	
MACHINERY:	-	-	-	2	2	5	7	-	-	3	3	3	-	2	2	
EAR:	-	-	-	30	30	77	107	-	-	61	61	61	-	2	2	
EYE:	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	
JAW:	-	-	-	-	-	17	17	-	-	-	-	-	-	-	-	
MOUTH/TEETH/TONGUE:	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
NOSE:	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
SCALP:	-	-	-	1	1	2	2	-	-	17	-	17	-	17	-	
FACE, NEC:	-	-	-	5	5	6	7	-	-	33	-	33	-	17	17	
HEAD, NEC:	-	-	-	11	11	8	13	-	-	552	-	552	-	50	50	
NECK:	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
UPPER ARM:	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	
ELBOW:	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FOREARM:	-	-	-	5	5	10	14	-	-	38	-	38	-	8	8	
WRIST:	-	-	-	4	4	9	15	-	-	164	-	164	-	41	41	
HAND:	-	-	-	13	13	11	24	-	-	332	-	332	-	26	26	
FINGER(S):	-	-	-	37	43	65	108	-	-	745	-	745	-	20	20	
UPPER EXTREMITIES, NEC:	6	-	-	6	43	6	12	-	-	462	-	462	-	77	77	
ABDOMEN:	-	-	-	1	1	2	2	-	-	1	-	1	-	1	1	
BACK:	-	-	-	47	47	7	54	-	-	1,847	-	1,847	-	39	39	
CHEST:	-	-	-	4	4	2	6	-	-	38	-	38	-	14	14	
PELVIC REGION:	-	-	-	3	3	1	3	-	-	258	-	258	-	86	86	
SHOULDER(S):	-	-	-	10	10	1	11	-	-	235	-	235	-	24	24	
TRUNK, NEC:	-	-	-	2	2	-	2	-	-	233	-	233	-	116	116	
THIGH:	-	-	-	3	3	-	3	-	-	349	-	349	-	116	116	
KNEE:	-	-	-	9	9	-	9	-	-	251	-	251	-	28	28	
LOWER LEG:	-	-	-	3	3	1	4	-	-	58	-	58	-	19	19	
ANKLE:	-	-	-	2	2	2	4	-	-	65	-	65	-	32	32	
FOOT:	-	-	-	11	11	8	19	-	-	470	-	470	-	43	43	
TOE(S):	-	-	-	1	1	4	4	-	-	41	-	41	-	20	20	
LOWER EXTREMITIES, NEC:	-	-	-	9	9	1	13	-	-	463	-	463	-	51	51	
BODY SYSTEMS:	-	-	-	1	1	4	2	-	-	17	-	17	-	17	17	
MULTIPLE PARTS OF BODY:	2	-	-	14	16	5	21	-	-	757	-	757	-	54	54	
TOTAL OR AVERAGE:	2	-	7	235	244	260	504	12,000	-	1,815	7,510	9,325	21,325	259	87	

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		PERMANENT	TEMPO- RARY	TOTAL NFDI				TOTAL	PARTIAL	TOTAL NFDI				
SLIP OR FALL OF PERSON	-	-	1	2	-	3	-	-	900	2	902	900	2	451
EAR	-	-	-	-	-	2	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	3	-	-	-	-	-	-	-	-
JAW	-	-	-	-	-	2	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	3	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	2	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	11	-	5,000	-	-	36	-	6	6
NECK	1	-	6	6	7	-	-	-	-	36	6,161	-	27	880
UPPER ARM	-	-	1	1	1	-	-	-	-	161	10	-	10	52
ELBOW	-	-	13	13	13	4	-	-	-	10	676	-	10	52
FOREARM	-	-	3	3	3	1	-	-	-	676	137	-	46	46
WRIST	-	-	8	8	8	11	-	-	-	137	371	-	46	46
HAND	-	-	4	4	4	13	-	-	-	371	371	-	17	17
FINGER(S)	-	-	5	5	5	16	-	-	-	68	305	-	13	51
UPPER EXTREMITIES, NEC	-	-	10	10	10	6	-	-	-	65	876	-	88	88
BACK	-	-	106	106	106	118	-	-	240	4,065	4,065	-	38	38
CHST	-	-	11	11	11	16	-	-	-	220	220	-	20	20
PELVIC REGION	-	-	11	11	11	16	-	-	-	292	492	-	20	20
SHOULDER(S)	-	-	20	20	20	24	-	-	200	822	822	-	41	41
TRUNK, NEC	-	-	6	6	6	8	-	-	-	269	269	-	45	45
THIGH	-	-	4	4	4	2	-	-	-	50	50	-	12	12
KNEE	-	-	85	85	85	103	-	-	-	4,005	4,005	-	47	47
LOWER LEG	-	-	8	8	8	15	-	-	-	519	519	-	65	65
ANKLE	-	-	58	58	58	66	-	-	-	938	938	-	16	16
FOOT	-	-	7	7	7	12	-	-	-	188	188	-	24	24
TOE(S)	-	-	1	1	1	1	-	-	-	64	64	-	64	64
LOWER EXTREMITIES, NEC	-	-	15	15	15	19	-	-	-	608	608	-	41	41
MULTIPLE PARTS OF BODY	1	-	28	28	29	34	-	6,000	-	1,317	7,317	-	47	252
TOTAL OR AVERAGE	2	6	417	423	425	570	145	12,000	1,340	15,739	223	38	68	29,079
STEPPING OR KNEELING ON OBJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	4	4	4	4	-	-	-	40	40	-	10	10
KNEE	-	-	12	12	12	14	2	-	-	260	260	-	22	22
LOWER LEG	-	-	2	2	2	3	6	-	-	10	10	-	5	5
ANKLE	-	-	27	27	27	33	11	-	-	406	406	-	15	15
FOOT	-	-	7	7	7	7	4	-	-	77	77	-	11	11
LOWER EXTREMITIES, NEC	-	-	1	1	1	2	1	-	-	4	4	-	4	4
MULTIPLE PARTS OF BODY	-	-	-	-	-	1	1	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	53	53	53	67	14	-	-	797	797	-	15	797
STRIKING OR BUMPING	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	1	1	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-
NECK	-	-	7	7	7	10	3	-	-	193	193	-	28	28
KNEE	-	-	3	3	3	3	2	-	-	169	169	-	56	56
LOWER LEG	-	-	1	1	1	1	1	-	-	49	49	-	14	14
MULTIPLE PARTS OF BODY	-	-	1	1	1	1	1	-	-	14	14	-	14	14
TOTAL OR AVERAGE	-	-	12	12	12	19	7	-	-	425	425	-	35	35

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
OTHER INJURIES.....															
EAR.....			9	9	9	1	36							2	2
EYE.....			1	1	1	27	2							1	1
MOUTH/TEETH/TONGUE.....			3	3	3	1	4							25	25
FACE, NEC.....			1	1	1	1	1							4	4
NECK.....			1	1	1	1	1							1	1
ELBOW.....			1	1	1	1	1							50	50
FOREARM.....			2	2	2	1	3							34	34
WREST.....			13	13	13	1	14							63	63
FINGER(S).....			3	3	3	1	3							160	160
ABDOMEN.....			1	1	1	1	1							21	21
BACK.....			1	1	1	1	1							70	70
SHOULDER(S).....			1	1	1	1	1							48	48
KNEE.....			2	2	2	3	6							3	3
ANKLE.....			1	1	1	1	1							5	5
FOOT.....			3	3	3	1	2							29	29
LOWER EXTREMITIES, NEC.....			1	1	1	1	1								
BODY SYSTEMS.....			42	42	42	41	83								
MULTIPLE PARTS OF BODY.....															
TOTAL OR AVERAGE.....															

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1951 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NDI	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO RARY					TOTAL NFDL					
		TOTAL	PARTIAL											
TOTAL OR AVERAGE														
EAR	-	-	-	3	17	14	-	-	-	33	-	1,322	11	33
EYE	-	-	-	84	301	217	-	-	-	2,861	-	-	3	34
JAW	-	-	-	3	15	12	-	-	-	37	-	-	12	12
MOUTH/TEETH/TONGUE	-	-	-	1	53	52	-	-	-	2	-	-	2	6
NOSE	-	-	-	2	13	11	-	-	-	12	-	-	6	6
SCALP	-	-	-	-	7	7	-	-	-	-	-	-	-	-
SKULL	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	8	36	28	-	-	-	42	-	-	42	42
HEAD, NEC	3	-	-	30	90	57	18,000	-	-	266	-	-	33	33
NECK	2	-	-	68	88	18	12,000	-	-	473	-	-	16	560
UPPER ARM	-	-	-	5	9	4	-	-	-	2,282	-	-	34	204
ELBOW	-	-	-	43	63	20	-	-	-	127	-	-	25	25
FOREARM	-	-	-	17	69	52	-	-	-	1,764	-	-	41	41
WRIST	-	-	-	46	77	31	-	-	-	248	-	-	15	15
HAND	-	-	-	57	178	121	-	-	-	1,450	-	-	32	32
FINGER(S)	-	-	-	160	582	402	-	-	-	1,216	-	-	21	21
UPPER EXTREMITIES, NEC	-	-	-	42	63	21	-	3,550	-	7,052	178	-	22	39
ABDOMEN	-	-	-	10	12	2	-	-	-	2,580	-	-	61	61
BACK	-	-	-	615	713	98	-	-	-	61	-	-	6	6
CHEST	1	-	-	37	89	15	6,000	-	-	24,088	-	-	39	39
PELVIC REGION	-	-	-	82	53	7	-	-	-	978	-	-	26	184
SHOULDER(S)	-	-	-	48	89	7	-	1,700	-	3,648	50	-	41	44
TRUNK, NEC	-	-	-	90	106	16	-	-	-	3,585	-	-	40	40
THIGH	-	-	-	16	19	3	-	-	-	668	-	-	42	42
KNEE	-	-	-	158	200	11	-	-	-	620	-	-	39	39
LOWER LEG	-	-	-	26	46	41	-	-	-	620	-	-	42	42
ANKLE	-	-	-	113	130	19	-	-	-	5,874	-	-	43	43
FOOT	-	-	-	70	102	30	-	-	-	3,834	-	-	32	142
TOE(S)	-	-	-	12	19	5	-	-	-	2,692	-	-	24	24
LOWER EXTREMITIES, NEC	-	-	-	52	74	22	-	-	-	2,692	-	-	34	71
BODY SYSTEMS	2	-	-	11	20	7	12,000	-	-	5,077	-	1,356	36	68
MULTIPLE PARTS OF BODY	5	-	-	125	169	38	30,000	6,000	-	878	-	450	31	31
UNCLASSIFIED	-	-	-	1	1	-	-	-	-	1,617	-	-	7	929
TOTAL OR AVERAGE	13	1	61	1,968	3,442	1,399	78,000	6,000	14,355	86,523	235	-	34	81

TABLE 20. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY									
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL							
		PERMANENT	TOTAL						TOTAL	PARTIAL	TEMPORARY											
			TOTAL	TEMPORARY	TOTAL NFDL																	
ELECTRICAL: AMPUTATION/ENUCLEATION..... BURN/SCALD (NOT CHEM)..... ELECTRIC SHOCK..... RADIATION/ULTRA VIOLET..... STRAIN/SPRAIN..... MULTIPLE INJURIES..... TOTAL OR AVERAGE.....	- - 2 - - - 2	- - - - - - -	1 1 3 2 2 1 1	- 1 2 2 1 9	1 1 5 2 1 10	- - 4 - - 4	1 1 5 2 1 16	- 12,000 - - 12,000 12,000	- - - - - 600	- - - - - 600	- - - - - 279	600 9 40 201 20 9 879	600 - - - - - 600	- 9 13 100 10 9 31	600 9 2,408 201 20 9 1,073							
EXPLODING VESSEL UNDER PRESSURE..... CONTUSION OR BRUISE..... DISLOCATION..... STRAIN/SPRAIN..... MULTIPLE INJURIES..... TOTAL OR AVERAGE.....	- - - - 2 2	- - - - - -	1 1 1 1 1 4	1 1 1 1 4	1 1 1 1 4	- - - - - 6	1 1 1 3 6	- - - 12,000 12,000	- - - - - -	- - - - - -	5 59 34 107 205	5 59 34 107 205	- - - - - -	- 5 59 34 107 51	5 59 34 107 2,034							
EXPLOSIVE AND BREAKING AGENT ASPHYXIATION/DROWNING..... CUT OR PUNCTURE..... MULTIPLE INJURIES..... OTHER INJURY, NEC..... UNCLASSIFIED (NO DATA)..... TOTAL OR AVERAGE.....	- - 2 - - 2	- - - - - -	1 1 1 1 1 4	1 1 1 1 4	1 1 2 1 6	- - 2 - 2	1 3 2 1 8	- - 12,000 - 12,000	- - - - -	- - - - -	2 5 30 1 38	2 5 30 1 38	2 5 30 1 12,038	- - - - -	2 5 30 1 10	2 5 6,000 30 1 2,006						
FALLING, ROLLING, OR SLIDING MATERIAL..... CHEMICAL BURN..... CONTUSION OR BRUISE..... CUT OR PUNCTURE..... STRAIN/SPRAIN..... TOTAL OR AVERAGE.....	- - 1 - 1	- - - - -	- 2 1 1 4	2 1 1 4	- 2 1 1 4	1 2 2 - 3	1 2 4 1 8	- - 6,000 - 6,000	- - - - -	- - - - -	8 2 219 229	8 2 219 229	- 8 6,002 219 6,229	- - - - -	- 4 2 219 57	- 4 2 219 1,246						
FALL OF FACE, RIB, SIDE OR HIGHWALL..... CONTUSION OR BRUISE..... CUT OR PUNCTURE..... FRACTURE..... MULTIPLE INJURIES..... TOTAL OR AVERAGE.....	- - - - -	- - - - -	3 2 9 11 25	3 2 9 11 25	3 2 9 11 25	3 10 3 13	3 12 9 14 38	- - - - -	- - - - -	- - - - -	43 59 766 209 1,077	43 59 766 209 1,077	- - - - -	- 14 30 85 19 43	- 14 30 85 19 43							

TABLE 20 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY											
	FATAL	NFID			TOTAL FATAL AND NFID	TOTAL INJURIES	NFID	FATAL	PERMANENT		TOTAL FATAL AND NFID	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFID								
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL	PARTIAL												
HAND TOOL																						
AMPUTATION/ENUCLEATION	-	3	-	-	3	3	-	-	-	-	250	-	27	250								
BURN/SCALD (HOT LIQ.)	-	-	-	2	2	1	-	-	-	-	27	-	13	14								
CHEMICAL BURN	-	-	-	3	3	8	-	-	-	-	13	-	6	4								
CONCUSSION (CEREBRAL)	-	-	-	3	3	1	-	-	-	-	6	-	23	5								
CONTUSION OR BRUISE	-	33	1	33	33	15	-	-	-	-	759	-	23	23								
CUT OR PUNCTURE	-	43	3	43	43	199	-	-	-	-	614	-	14	14								
DISLOCATION	-	3	3	3	3	4	-	-	-	-	205	-	68	68								
DUST IN EYE	-	-	-	2	2	3	-	-	-	-	3	-	2	2								
FRACURE	-	1	30	31	31	50	-	-	-	-	1,413	-	37	46								
HERNIA (NOT DISC)	-	3	-	3	3	3	-	-	-	-	150	-	50	50								
SCRATCH/ABRASION	-	-	-	2	2	2	-	-	-	-	11	-	6	6								
STRAIN/SPRAIN	-	-	-	103	103	21	-	-	-	-	4,262	-	41	41								
MULTIPLE INJURIES	-	12	12	12	12	16	-	-	-	-	694	-	58	58								
OTHER INJURY, NEC	-	1	2	3	3	6	-	-	-	-	1,777	-	177	592								
UNCLASSIFIED (NO DATA)	-	-	-	3	3	2	-	-	-	-	230	-	77	77								
TOTAL OR AVERAGE	-	8	239	247	247	321	-	-	-	-	2,455	-	33	42								
NONPOWERED HAULAGE																						
CONTUSION OR BRUISE	-	-	-	1	1	1	-	-	-	-	14	-	14	14								
CUT OR PUNCTURE	-	-	-	2	2	5	-	-	-	-	36	-	18	18								
FRACURE	-	-	-	9	9	9	-	-	-	-	383	-	43	43								
STRAIN/SPRAIN	-	-	-	-	-	1	-	-	-	-	-	-	-	-								
MULTIPLE INJURIES	-	-	-	12	12	20	-	-	-	-	433	-	36	36								
TOTAL OR AVERAGE	-	-	-	12	12	8	-	-	-	-	433	-	36	36								
POWERED HAULAGE																						
AMPUTATION/ENUCLEATION	-	2	-	2	2	2	-	-	-	-	5,400	-	1	2,700								
ASPHYXIATION/SUFFOCATING	-	-	-	1	1	1	-	-	-	-	1	-	3	3								
CHEMICAL BURN	-	-	-	2	2	4	-	-	-	-	6	-	8	8								
CONCUSSION (CEREBRAL)	-	-	-	2	2	2	-	-	-	-	16	-	23	396								
CONTUSION OR BRUISE	-	15	15	15	16	19	-	-	-	-	342	-	6	6								
CUT OR PUNCTURE	-	8	8	8	8	26	-	-	-	-	46	-	138	138								
DERMATITIS	-	-	-	1	1	1	-	-	-	-	2	-	2	2								
DISLOCATION	-	-	-	1	1	6	-	-	-	-	1,455	-	63	63								
DUST IN EYE	-	-	-	23	23	27	-	-	-	-	3,318	-	44	44								
FRACURE	-	-	-	76	76	13	-	-	-	-	7,192	-	40	40								
SCRATCH/ABRASION	-	-	-	30	31	7	-	-	-	-	263	-	66	66								
STRAIN/SPRAIN	-	1	4	5	5	6	-	-	-	-	236	-	39	39								
MULTIPLE INJURIES	-	-	-	6	6	-	-	-	-	-	18,415	-	42	175								
OTHER INJURY, NEC	-	-	-	169	172	59	-	-	-	-	2,700	-	42	42								
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	30,415	-	42	42								
TOTAL OR AVERAGE	-	2	1	169	172	59	-	-	-	-	30,415	-	42	42								

TABLE 20 NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY				
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPO- RARY	TOTAL NFI					PERMANENT		TEMPO- RARY				TOTAL NFI
									TOTAL	PARTIAL					
HOISTING: CONTUSION OR BRUISE CUT OR PUNCTURE DUST IN EYE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	- - - - - - - -	1 1 1 3 6 2 13	1 1 1 6 6 2 13	1 1 3 6 6 2 13	1 2 - 1 1 2 4	2 2 1 3 7 2 17	- - - - - - -	- - - - - - -	5 2 39 172 91 309	5 2 39 172 91 309	5 2 13 29 46 24	5 2 13 29 46 24	5 2 13 29 46 24		
IGNITION OR EXPLOSION OF GAS OR DUST: BURN/SCALD (HOT CHEM) CHEMICAL BURN POISONING (SYSTEMIC) TOTAL OR AVERAGE	- - - - -	2 1 1 1 4	2 1 1 1 4	2 1 1 1 4	2 2 1 1 4	4 1 1 1 5	- - - - -	- - - - -	21 12 2 2 35	21 12 2 2 35	10 12 2 2 9	10 12 2 2 9	10 12 2 2 9	10 12 2 2 9	
MACHINERY: AMPUTATION/ENUCLEATION BURN/SCALD (HOT CHEM) CHEMICAL BURN CONCUSSION (CEREBRAL) CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION DUST IN EYE FRACTURE POISONING (SYSTEMIC) RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - - - - - 2 - - 2	7 10 3 2 28 45 2 - 3 27 1 10 9 66 20 3 6	7 10 3 2 28 45 2 - 3 27 1 10 9 66 20 3 6	7 10 3 2 28 45 2 - 3 27 1 10 9 66 20 3 6	7 19 9 2 11 127 1 1 21 24 1 8 9 11 22 16 3 6 260	7 29 12 2 39 172 3 1 24 51 2 18 17 38 6 6 504	- - - - - - - - - - - - - - - 12,000 -	- - - - - - - - - - - - - - -	1,815 56 32 4 767 978 10 - 4 1,712 17 17 116 2,478 726 100 493 9,325	1,815 56 32 4 767 978 10 - 4 1,712 17 17 116 2,478 726 100 493 9,325	259 6 11 2 27 22 5 - 1 63 17 2 13 38 578 33 82 87	259 6 11 2 27 22 5 - 1 63 17 2 13 38 578 33 82 87	259 6 11 2 27 22 5 - 1 63 17 2 13 38 578 33 82 87		

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPO- RARY	TOTAL NFIDL				TOTAL	PARTIAL	TOTAL NFIDL					
															TOTAL
SLIP OR FALL OF PERSON	-	-	1	-	1	1	-	240	-	240	240	-	-	240	
INHALATION/IRRITATION	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
BURN/SCALD (HOT CHEM.)	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
CHEMICAL BURN	-	-	1	1	1	1	-	-	-	-	-	-	-	22	
CONCUSSION (CEREBRAL)	-	-	53	53	53	58	-	-	-	-	-	-	-	2	
CONTUSION OR BRUISE	-	-	14	15	15	52	-	-	-	-	-	-	-	23	
CUT OR PUNCTURE	-	-	1	4	4	67	-	-	-	-	-	-	-	23	
DISLOCATION	-	-	-	-	-	5	-	-	-	-	-	-	-	20	
FRACTURE	1	-	40	40	41	26	-	-	-	-	-	-	-	64	
HERNIA (NOT DISC)	-	-	4	4	4	67	-	-	-	-	-	-	-	50	
STRAIN/SPRAIN	-	-	250	250	250	292	-	-	-	-	-	-	-	300	
MULTIPLE INJURIES	1	-	38	38	39	54	-	-	-	-	-	-	-	36	
OTHER INJURY, NEC	-	-	1	1	1	1	-	-	-	-	-	-	-	57	
UNCLASSIFIED (NO DATA)	-	-	15	15	15	18	-	-	-	-	-	-	-	32	
TOTAL OR AVERAGE	2	-	6	417	423	425	145	12,000	1,340	15,739	17,079	223	38	68	
SLEEPING OR KNEELING ON OBJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	1	1	1	1	-	-	-	-	-	-	-	3	
CUT OR PUNCTURE	-	-	5	5	5	8	-	-	-	-	-	-	-	6	
DERMATITIS	-	-	5	5	5	6	-	-	-	-	-	-	-	-	
FRACTURE	-	-	40	40	40	48	-	-	-	-	-	-	-	36	
STRAIN/SPRAIN	-	-	1	1	1	2	-	-	-	-	-	-	-	14	
MULTIPLE INJURIES	-	-	1	1	1	1	-	-	-	-	-	-	-	9	
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
TOTAL OR AVERAGE	-	-	-	53	53	67	14	-	-	797	797	-	15	15	
STRIKING OR BUMPING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	4	4	4	4	-	-	-	-	-	-	-	48	
CUT OR PUNCTURE	-	-	-	-	-	3	-	-	-	-	-	-	-	-	
FRACTURE	-	-	7	7	7	10	-	-	-	-	-	-	-	30	
STRAIN/SPRAIN	-	-	1	1	1	1	-	-	-	-	-	-	-	23	
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	12	12	19	7	-	-	425	425	-	35	35	

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	PERMANENT		TEMPO- RARY	TOTAL NFIDL	TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL					PARTIAL							
OTHER INJURIES																
ASPHYXIATION/DROWNING		1		1	1	1						2	2		2	2
CHEMICAL BURN		2		2	2	8						3	3		3	3
CONCUSSION OR BRUISE		1		1	1	10						4	4		4	4
CUT OR PUNCTURE		2		2	2	8						23	23		12	12
DUST IN EYE		4		4	4	12						15	15		4	4
FRACTURE		1		1	1	3						55	55		55	55
POISONING (SYSTEMIC)		2		2	2	5						6	6		3	3
SCRATCH/ABRASION		3		3	3	23						3	3		3	3
STRAIN/SPRAIN		20		20	20	2						708	708		35	35
MULTIPLE INJURIES		1		1	1	1						160	160		160	160
OTHER INJURY, NEC						7						222	222		44	44
UNCLASSIFIED (NO DATA)						83						1,201	1,201		29	29
TOTAL OR AVERAGE		42		42	42											
OTHER INJURIES																
AMPUTATION/ENUCLEATION		23		23	23	23						9,400	9,400	409	2	409
ASPHYXIATION/DROWNING		3		3	3	3						5	5		2	2
BURN/SCALD (NOT CHEM.)		22		22	22	51						301	301		14	14
CHEMICAL BURN		35		35	35	88						426	426		12	12
CONCUSSION (CEREBRAL)		6		6	6	7						28	28		5	5
CONCUSSION OR BRUISE		193		193	194	256						4,775	10,775		25	25
CUT OR PUNCTURE		164		164	165	822						3,442	9,442	900	16	57
DERMATITIS		1		1	1	656						15	15		4	4
DISLOCATION		4		4	4	3						662	662		51	51
DUST IN EYE		13		13	13	17						31	31		2	2
ELECTRIC SHOCK		15		15	15	70						40	40		13	13
FRACTURE	2	198		198	200	86						10,918	12,040	312	55	2,408
HEPATA (NOT DISC)	1		34	34	34	361						11,230	17,230	50	6	86
POISONING (SYSTEMIC)			5	5	5	35						1,700	1,700		18	50
RADIATION/ULTRA VIOLET			12	12	12	12						30	30		6	18
SCRATCH/ABRASION			19	19	19	24						218	156		8	18
STRAIN/SPRAIN		1		1,057	1,057	45						36,622	36,922	300	35	363
MULTIPLE INJURIES	8	1	155	155	164	1,241						13,141	61,141	1,743	46	35
OTHER INJURY, NEC			18	18	19	32						2,270	2,270		30	120
UNCLASSIFIED (NO DATA)			46	46	46	58						1,722	1,722		37	37
TOTAL OR AVERAGE	13	1	1,968	61	1,968	3,442						86,523	164,523	235	34	81

TABLE 21. -- OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING, SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
UNDERGROUND MINES:								
UNDERGROUND:								
COPPER:								
MICHIGAN	-	-	-	1	-	-	-	1
TOTAL	-	-	-	1	-	-	-	1
GOLD:								
CALIFORNIA:	-	-	-	2	2	9	-	2
SOUTH DAKOTA	1	-	-	-	-	-	-	12
TOTAL	1	-	-	2	2	9	-	14
LEAD-ZINC:								
NEW YORK	-	1	-	-	-	1	-	1
TENNESSEE	-	-	-	-	-	1	-	1
TOTAL	-	1	-	-	-	1	-	2
MOLYBDENUM:								
COLORADO	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
PLATINUM:								
MONTANA	-	-	-	-	1	12	-	13
TOTAL	-	-	-	-	1	12	-	13
SILVER:								
IDaho	-	-	-	-	-	10	2	12
TOTAL	-	-	-	-	-	10	2	12
SURFACE AT UG:								
COPPER:								
MICHIGAN	-	-	-	-	-	2	-	2
TOTAL	-	-	-	-	-	2	-	2
GOLD:								
SOUTH DAKOTA	-	-	-	-	-	2	-	2
WASHINGTON	-	-	-	-	-	2	-	2
TOTAL	-	-	-	-	-	4	-	4
MOLYBDENUM:								
COLORADO	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
TOTAL UNDERGROUND:								
COPPER:	-	-	-	1	-	2	-	3
MICHIGAN	-	-	-	1	-	2	-	3
TOTAL	-	-	-	1	-	2	-	3

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING, SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
TOTAL UNDERGROUND-CONT:								
GOLD:								
CALIFORNIA	1			2	2	11		2
SOUTH DAKOTA						2		14
WASHINGTON								2
TOTAL	1			2	2	13		18
LEAD-ZINC:								
NEW YORK		1				1		1
TENNESSEE						1		1
TOTAL		1				1		2
MOLYBDENUM:								
COLORADO						2		2
TOTAL						2		2
PLATINUM:								
MONTANA					1	12		13
TOTAL					1	12		13
SILVER:								
IDaho						10	2	12
TOTAL						10	2	12
SURFACE MINES:								
STRIP:								
COPPER:								
NEW MEXICO						1		1
UTAH						1		1
TOTAL						2		2
GOLD:								
ALASKA						1		1
NEVADA						1		1
SOUTH DAKOTA						1		1
TOTAL						3		3
IRON:								
MICHIGAN						6		6
TOTAL						6		6

TABLE 21 - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING, SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
STRIP-CONV. RAPE EARTHS WASHINGTON	-	1	-	-	-	-	-	1
TOTAL	-	1	-	-	-	-	-	1
TOTAL SURFACE COPPER	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	1	-	1
UTAH	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	2	-	2
GOLD	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	1	-	1
NEVADA	-	-	-	-	-	1	-	1
SOUTH DAKOTA	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	3	-	3
IRON	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	6	-	6
TOTAL	-	-	-	-	-	6	-	6
RAPE EARTHS WASHINGTON	-	1	-	-	-	-	-	1
TOTAL	-	1	-	-	-	-	-	1
TOTAL MINING COPPER	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	1	-	2	-	3
NEW MEXICO	-	-	-	-	-	1	-	1
UTAH	-	-	-	-	-	1	-	1
TOTAL	-	-	-	1	-	4	-	5
GOLD	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	1	-	1
CALIFORNIA	-	-	-	2	-	-	-	2
NEVADA	-	-	-	-	-	1	-	1
SOUTH DAKOTA	1	-	-	-	2	12	-	15
WASHINGTON	-	-	-	-	-	2	-	2
TOTAL	1	-	-	2	-	16	-	21
IRON	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	6	-	6
TOTAL	-	-	-	-	-	6	-	6

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
TOTAL MINING-CONT:								
LEAD-ZINC:								
NEW YORK.....	-	1	-	-	-	1	-	1
TENNESSEE.....	-	-	-	-	-	-	-	1
TOTAL.....	-	1	-	-	-	1	-	2
MOLYBDENUM:								
COLORADO.....	-	-	-	-	-	2	-	2
TOTAL.....	-	-	-	-	-	2	-	2
PLATINUM:								
MONTANA.....	-	-	-	-	1	12	-	13
TOTAL.....	-	-	-	-	1	12	-	13
RARE EARTHS:								
WASHINGTON.....	-	1	-	-	-	-	-	1
TOTAL.....	-	1	-	-	-	-	-	1
SILVER:								
IDAHO.....	-	-	-	-	-	10	2	12
TOTAL.....	-	-	-	-	-	10	2	12
PROCESSING PLANTS:								
ALUMINUM ORE:								
ARKANSAS.....	-	-	-	-	-	5	-	5
TEXAS.....	1	-	-	-	1	15	-	17
TOTAL.....	1	-	-	-	1	20	-	22
GOLD:								
CALIFORNIA.....	1	-	-	-	-	2	-	3
COLORADO.....	-	-	-	1	-	-	-	1
NEVADA.....	-	-	2	-	-	3	-	5
WASHINGTON.....	-	-	-	-	-	3	-	3
TOTAL.....	1	-	2	1	-	8	-	12
IRON:								
MICHIGAN.....	2	1	-	-	-	1	-	4
MINNESOTA.....	1	-	-	-	-	-	-	1
TOTAL.....	3	1	-	-	-	1	-	5

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
PROCESSING PLANTS-CONT:								
RARE EARTHS:								
WASHINGTON	-	4	-	-	-	-	-	4
TOTAL	-	4	-	-	-	-	-	4
SILVER:								
ALASKA	-	-	-	-	-	1	-	1
IDAHO	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	2	-	2
TOTAL MINES AND PLANTS:								
ALUMINUM ORE:								
ARKANSAS	-	-	-	-	-	5	-	5
TEXAS	1	-	-	-	1	15	-	17
TOTAL	1	-	-	-	1	20	-	22
COPPER:								
MICHIGAN	-	-	-	1	-	2	-	3
NEW MEXICO	-	-	-	-	-	1	-	1
UTAH	-	-	-	-	-	1	-	1
TOTAL	-	-	-	1	-	4	-	5
GOLD:								
ALASKA	-	-	-	-	-	1	-	1
CALIFORNIA	1	-	-	2	-	2	-	5
COLORADO	-	-	-	1	-	-	-	1
NEVADA	-	-	2	-	-	4	-	6
SOUTH DAKOTA	1	-	-	-	2	12	-	15
WASHINGTON	-	-	-	-	-	5	-	5
TOTAL	2	-	2	3	2	24	-	33
IRON:								
MICHIGAN	2	1	-	-	-	7	-	10
MINNESOTA	1	-	-	-	-	-	-	1
TOTAL	3	1	-	-	-	7	-	11
LEAD-ZINC:								
NEW YORK	-	1	-	-	-	-	-	1
TENNESSEE	-	-	-	-	-	1	-	1
TOTAL	-	1	-	-	-	1	-	2

TABLE 21 - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING, SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
TOTAL MINES AND PLANTS-CONT								
NIOBERNIA	-	-	-	-	-	2	-	2
COLORADO	-	-	-	-	-	2	-	2
TOTAL	-	-	-	-	-	2	-	2
PLATINUM								
MONTANA	-	-	-	-	1	12	-	13
TOTAL	-	-	-	-	1	12	-	13
RARE EARTHS								
WASHINGTON	-	5	-	-	-	-	-	5
TOTAL	-	5	-	-	-	-	-	5
SILVER								
ALASKA	-	-	-	-	-	1	2	1
IDaho	-	-	-	-	-	11	2	13
TOTAL	-	-	-	-	-	12	2	14
OFFICE								
GOLD								
WASHINGTON	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
PLATINUM								
MONTANA	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
RARE EARTHS								
WASHINGTON	-	2	-	-	-	-	-	2
TOTAL	-	2	-	-	-	-	-	2
GRAND TOTAL								
ALUMINUM ORE	-	-	-	-	-	5	-	5
ARKANSAS	1	-	-	-	1	15	-	17
TEXAS	-	-	-	-	-	20	-	22
TOTAL	1	-	-	-	1	20	-	22
COPPER								
MICHIGAN	-	-	-	1	-	2	-	3
NEW MEXICO	-	-	-	-	-	1	-	1
UTAH	-	-	-	-	-	1	-	1
TOTAL	-	-	-	1	-	4	-	5

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING: SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
GRAND TOTAL - CONT.								
COAL								
ALASKA						1		1
CALIFORNIA	1			2		2		5
COLORADO				1		4		1
NEVADA			2		2	12		6
SOUTH DAKOTA	1					6		6
WASHINGTON								
TOTAL	2		2	3	2	25		34
IRON								
MICHIGAN	2	1				7		10
MINNESOTA	1							1
TOTAL	3	1				7		11
LEAD/ZINC								
NEW YORK		1						1
TENNESSEE		1				1		1
TOTAL		1				1		2
MOLYBDENUM								
COLORADO						2		2
TOTAL						2		2
PLATINUM								
MONTANA					1	13		14
TOTAL					1	13		14
RARE EARTHS								
WASHINGTON		7						7
TOTAL		7						7
SILVER								
ALASKA						1		1
IDAHO						11	2	13
TOTAL						12	2	14
TOTAL OR AVERAGE	6	9	2	4	4	84	2	111

TABLE 22 - RELATED NONCOAL MINING SUMMARY REFERENCE TABULATION, NUMBER OF INJURIES, INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, AND EMPLOYEE-HOURS BY MINERAL INDUSTRY AND WORK LOCATION, 1991 (OPERATOR DATA)

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES:										
METAL-----	8	.10	531	6.33	441	5.26	980	11.69	8,653	16,764,742
NONMETAL-----	1	.02	223	5.16	98	2.27	322	7.46	4,281	8,636,464
STONE-----	1	.05	102	5.37	76	4.00	179	9.42	1,944	3,800,662
TOTAL, UNDERGROUND MINES-	10	.07	856	5.86	615	4.21	1,481	10.14	14,878	29,201,868
SURFACE MINES:										
METAL-----	5	.03	663	3.70	342	1.91	1,010	5.64	17,315	35,834,537
NONMETAL-----	1	.02	187	3.03	130	2.10	318	5.15	6,670	12,352,861
STONE-----	9	.03	1,390	5.35	865	3.33	2,264	8.71	27,632	51,956,002
SUBTOTAL, SURFACE MINES--	15	.03	2,240	4.47	1,337	2.67	3,592	7.17	51,617	100,153,400
SAND AND GRAVEL-----	11	.04	1,267	4.57	801	2.89	2,079	7.50	34,335	55,412,419
TOTAL, SURFACE MINES-----	26	.03	3,507	4.51	2,138	2.75	5,671	7.29	85,952	155,565,819
TOTAL, MINES-----	36	.04	4,363	4.72	2,753	2.98	7,152	7.74	100,830	184,767,687
MILLS										
METAL-----	-	-	806	3.94	590	2.88	1,396	6.82	20,267	40,924,642
NONMETAL-----	1	.01	708	4.14	387	2.25	1,096	6.41	16,521	34,220,388
STONE-----	4	.01	1,853	5.32	1,323	3.79	3,180	9.12	34,080	69,723,952
TOTAL, MILLS-----	5	.01	3,367	4.65	2,300	3.18	5,672	7.83	70,868	144,868,982
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-	-	22	5.81	12	3.17	34	8.99	382	756,745
NONMETAL-----	-	-	-	-	-	-	-	-	-	-
STONE-----	-	-	11	5.98	10	5.44	21	11.42	169	367,723
TOTAL, SHOPS AND YARDS---	-	-	33	5.87	22	3.91	55	9.78	551	1,124,468
ALL MINES, MILLS AND SHOPS:										
METAL-----	13	.03	2,022	4.29	1,385	2.94	3,420	7.25	46,617	94,280,666
NONMETAL-----	3	.01	1,118	4.05	615	2.23	1,736	6.29	27,472	55,209,713
STONE-----	14	.02	3,356	5.33	2,274	3.61	5,644	8.97	63,825	125,858,339
SUBTOTAL-----	30	.02	6,496	4.72	4,274	3.10	10,800	7.84	137,914	275,348,718
SAND AND GRAVEL-----	11	.04	1,267	4.57	801	2.89	2,079	7.50	34,335	55,412,419
TOTAL, MINES/MILLS/SHOPS-	41	.02	7,763	4.69	5,075	3.07	12,879	7.79	172,249	330,761,137
OFFICEWORKERS:										
METAL-----	-	-	8	13	14	23	22	36	6,253	12,106,943
NONMETAL-----	-	-	8	19	5	12	13	30	4,740	8,528,409
STONE-----	-	-	9	09	15	15	24	24	10,971	20,238,578
SAND AND GRAVEL-----	-	-	5	10	8	17	13	27	7,221	9,569,394
TOTAL, OFFICEWORKERS-----	-	-	30	12	42	17	72	29	29,185	50,443,324
SUMMARY TOTAL (INCLUDES OFFICE WORKERS):										
METAL-----	13	.02	2,030	3.82	1,399	2.63	3,442	6.47	52,870	106,387,609
NONMETAL-----	3	.01	1,126	3.53	620	1.95	1,749	5.49	32,212	63,738,122
STONE-----	14	.02	3,365	4.61	2,289	3.13	5,668	7.76	74,796	146,096,917
SUBTOTAL-----	30	.02	6,521	4.12	4,308	2.72	10,859	6.87	159,878	316,222,648
SAND AND GRAVEL-----	11	.03	1,272	3.91	809	2.49	2,092	5.44	41,556	64,981,813
GRAND TOTAL-----	41	.02	7,793	4.09	5,117	2.68	12,951	6.79	201,434	381,204,461

TABLE 23 - RELATED COAL MINING SUMMARY REFERENCE TABULATION, NUMBER OF INJURIES, INCIDENCE RATES, AVERAGE NUMBER OF EMPLOYEES, EMPLOYEE-HOURS AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION, 1991 (OPERATOR DATA)

TYPE OF COAL AND WORK LOCATION													
FATAL	FATAL INCIDENCE RATE	NFOL	NFOL INCIDENCE RATE	NDI	NDI INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)			
BITUMINOUS COAL													
39	06	7,908	12.96	1,870	3.06	9,817	16.08	62,427	122,070,415	403,694,730			
4	06	561	8.94	202	3.22	767	12.23	6,934	12,545,740				
43	06	8,469	12.58	2,072	3.08	10,584	15.72	69,361	134,616,155	403,694,730			
TOTAL, UNDERGROUND MINES													
7	02	1,363	3.33	658	1.61	2,028	4.95	40,796	81,928,100	574,626,924			
		25	7.75	15	4.65	563	12.41	644,767	3,318,079				
		14	7.55	6	3.23	20	10.78	257	371,066				
		14	7.55	6	3.23	20	10.78	257	371,066				
7	02	1,402	3.38	679	1.64	2,088	5.03	41,616	82,943,933	1,072,214			
50	05	9,871	9.07	2,751	2.53	12,672	11.65	110,977	217,560,888	982,711,947			
3	02	747	5.42	255	1.85	1,005	7.29	13,524	27,561,462				
1	10	51	4.95	47	4.56	99	9.61	1,073	2,060,562				
4	03	798	5.39	302	2.04	1,104	7.45	14,597	29,622,024				
TOTAL, OTHER OPERATIONS													
54	04	10,669	8.63	3,053	2.47	13,776	11.15	125,574	247,182,112	982,711,947			
TOTAL, BITUMINOUS MINING													
PENNSYLVANIA ANTHRACITE COAL													
		7	3.95	2	1.13	9	5.08	293	354,168	322,621			
								95	108,207				
		7	3.03	2	.87	9	3.89	388	462,375	322,621			
TOTAL, UNDERGROUND MINES													
		62	10.56	17	2.89	79	13.45	665	1,174,713	1,825,940			
		12	6.16	5	2.57	17	8.73	273	389,374	1,253,019			
								5	5,200	2,542			
		74	9.43	22	2.80	96	12.23	943	1,569,287	3,081,501			
		81	7.97	24	3.16	105	10.34	1,331	2,031,662	3,404,122			
		73	11.73	24	3.86	97	15.58	704	1,244,816				
		5	13.46	1	2.69	6	16.15	41	74,294				
		78	11.83	25	3.79	103	15.62	745	1,319,110				
TOTAL, OTHER OPERATIONS													
		159	9.49	49	2.92	208	12.42	2,076	3,350,772	3,404,122			
TOTAL, ANTHRACITE MINING													
ALL COAL													
39	06	7,915	12.93	1,872	3.06	9,826	16.05	62,720	122,424,583	404,017,351			
4	06	561	8.94	202	3.19	767	12.12	7,029	12,653,947				
43	06	8,476	12.55	2,074	3.07	10,593	15.68	69,749	135,078,530	404,017,351			
TOTAL, UNDERGROUND MINES													
7	02	1,425	3.43	675	1.62	2,107	5.07	41,461	83,102,813	576,452,864			
		25	7.75	15	4.65	40	12.41	563	644,767	3,318,079			
		24	7.41	8	2.47	32	9.87	444	648,163	1,898,814			
		2	3.40	3	5.11	5	8.51	91	117,477	428,961			
7	02	1,476	3.49	701	1.66	2,184	5.17	42,559	84,513,220	582,098,718			
50	05	9,952	9.06	2,775	2.53	12,777	11.64	112,308	219,591,750	986,116,069			
3	02	820	5.69	279	1.94	1,102	7.65	14,228	28,806,278				
1	09	56	5.25	48	4.50	105	9.84	1,114	2,134,856				
4	03	876	5.66	327	2.11	1,207	7.80	15,342	30,941,134				
TOTAL, OTHER OPERATIONS													
54	04	10,828	8.64	3,102	2.48	13,984	11.16	127,650	250,532,884	986,116,069			
TOTAL, ALL COAL													
OFFICERWORKERS													
		29	47	11	18	40	64	6,858	12,407,411				
								127	201,405				
		29	46	11	17	40	63	6,985	12,608,816				
TOTAL, OFFICERWORKERS													
54	04	10,857	8.25	3,113	2.37	14,024	10.66	134,635	263,141,700	986,116,069			
GRAND TOTAL													

CONTRACTOR DATA

TABLE REFERENCE GUIDE (CONTRACTOR DATA)

The following reference guide facilitates locating particular data elements contained in the annual statistical tables for contractors. The number appearing in each cell indicates the table number in which that particular element may be found. All elements listed under the stub headings appear as vertical headings in the tables. Elements listed under column headings appear as horizontal headings. The only exception to this is table 1, in which the headings have been reversed.

To use this guide, read down or across the elements listed in both the stub and column headings to determine which combinations are of interest. For example, lost workdays by work location appear in eight different tables, numbers 3, 7, 9, 11, 14, 16, 17, and 18. However, only one of these, table 11, provides a further division by nature of injury as well. The occupation of the injured is found in table 17 and, as seen in the column headings, provides the number of injuries, lost workdays, and average severity.

Although injuries and illnesses occurring to contractor employees are identifiable as to State in which they occurred or commodity mined, matching exposure hours are not available. Incidence rates for such employees are possible only at the national level for the various subunits and only for the coal industry as a whole and the noncoal industry as a whole. Consequently, certain tables have been entirely eliminated from the contractor portion of this report. The remaining tables are numbered to correspond with the comparable table in the operator portion of this report.

REFERENCE GUIDE TO METALLIC STATISTICAL TABLES (CONTRACTOR DATA)

STUB HEADINGS	COLUMN HEADINGS								
	Number of injuries	Incidence rates *	Lost workdays	Average severity	Average number of workers *	Employee-hours worked *	Accident classification	Number of occupational illnesses	Coal production (short tons)
Prior year data with and without office 1/	1			1					
Work location	3		3	3					
	7		7	7					
	9		9	9					
	11		11	11					
	13						13		
			14				14		
	15						15		
			16				16		
	17		17	17					
	18		18	18					
								21	
	22	22			22	22			
Type of mineral	23	23			23	23			23
	7		7	7					
	15						15		
			16				16		
State								21	
	7		7	7					
	13						13		
			14				14		
Part of body injured								21	
	9		9	9					
	12		12	12					
Nature of injury	19		19	19					
	11		11	11					
	12		12	12					
Occupation at time of injury	20		20	20					
	17		17	17					
	18		18	18					
Accident classification	19		19	19					
	20		20	20					
Mineral industry	22	22			22	22			
Type of coal	23	23			23	23			23

1/ For table 1 only, the headings have been reversed to simplify this guide; that is, the data elements indicated in the column headings for this table actually appear as vertical headings.

* Contractor data appearing in Table 22 for the column headings denoted with an asterisk (*) in this guide are obtainable only for the noncoal industry as a whole and do not represent a particular mineral industry.

TABLE 1 - GENERAL STATISTICS ON INJURY EXPERIENCE AND WORKTIME, AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

	EXCLUDING OFFICEWORKERS					INCLUDING OFFICEWORKERS				
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991
NUMBER OF INJURIES:										
FATAL-----	5	6	3	5	3	5	6	3	5	3
NFDL-----	281	415	403	311	364	285	417	415	314	367
TOTAL LWD INJURIES-----	286	421	406	316	367	290	423	418	319	370
NDL-----	203	344	284	220	239	203	348	292	222	241
TOTAL INJURIES-----	489	765	690	536	606	493	771	710	541	611
AVERAGE SEVERITY:										
PERMANENT PARTIAL-----	101	121	1. 140	85	99	101	121	995	85	99
TEMPORARY NFDL-----	25	25	19	24	24	25	25	19	24	24
ALL LWD INJURIES-----	153	129	99	158	75	151	128	97	157	75

TABLE 3 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO RARY					TOTAL NFDL	PERMANENT						TEMPO RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
UNDERGROUND MINES																	
UNDERGROUND	-		4	38	42	42	31	73			225	1,579	1,804	56	42	43	
SURFACE AT UNDERGROUND	-		1	12	13	13	8	21			50	155	205	50	13	16	
TOTAL OR AVERAGE	-		5	50	55	55	39	94			275	1,734	2,009	55	35	37	
SURFACE MINES																	
OPEN PIT	3		1	145	146	149	63	212	18,000		75	3,599	3,674	75	25	145	
DREDGE	-																
OTHER SURFACE	-																
TOTAL OR AVERAGE	3		1	145	146	149	63	212	18,000		75	3,599	3,674	75	25	145	
TOTAL OR AVERAGE, MINING	3		6	195	201	204	102	306	18,000		350	5,333	5,683	58	27	116	
INDEPENDENT SHOPS																	
TOTAL OR AVERAGE	-			2	2	2		2				56	56		28	28	
PROCESSING PLANTS																	
TOTAL OR AVERAGE	-		6	155	161	161	137	298			835	3,094	3,929	139	20	24	
TOTAL OR AVERAGE, ALL MINES AND PLANTS																	
TOTAL OR AVERAGE	3		12	352	364	367	239	606	18,000		1,185	8,483	9,668	99	24	75	
OFFICE																	
TOTAL OR AVERAGE	-			3	3	3	2	5				14	14		5	5	
GRAND TOTAL OR AVERAGE																	
TOTAL OR AVERAGE	3		12	355	367	370	241	611	18,000		1,185	8,497	9,682	99	24	75	

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL NFDL					TOTAL FATAL AND NFDL							
											TOTAL	PARTIAL					TOTAL NFDL
ALUMINUM ORE PROCESSING PLANTS ARKANSAS LOUISIANA TEXAS VIRGIN ISLANDS TOTAL OR AVERAGE	- - - - -	- - 28 2 30	- - 28 2 30	- - 28 2 30	- - 28 2 30	4 2 19 2 25	4 2 47 2 55	- - - - -	- - 688 46 734	- - 688 46 734	- - 688 46 734	- - 688 46 734	- - 25 23 24	- - 25 23 24	- - 25 23 24		
TOTAL OR AVERAGE, ALL MINES AND PLANTS	-	-	-	-	-	4 2 19 2 25	4 2 47 2 55	-	-	-	-	-	-	-	-		
ARIZONA LOUISIANA TEXAS VIRGIN ISLANDS TOTAL OR AVERAGE	- - - - -	- - 28 2 30	- - 28 2 30	- - 28 2 30	- - 28 2 30	4 2 19 2 25	4 2 47 2 55	- - - - -	- - 688 46 734	- - 688 46 734	- - 688 46 734	- - 688 46 734	- - 25 23 24	- - 25 23 24	- - 25 23 24		
OFFICE TEXAS TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	- - -	1 1 -	1 1 -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -		
GRAND TOTAL OR AVERAGE	-	-	-	-	-	4 2 20 2 26	4 2 48 2 56	-	-	-	-	-	-	-	-		
ARIZONA LOUISIANA TEXAS VIRGIN ISLANDS TOTAL OR AVERAGE	- - - - -	- - 28 2 30	- - 28 2 30	- - 28 2 30	- - 28 2 30	4 2 20 2 26	4 2 48 2 56	- - - - -	- - 688 46 734	- - 688 46 734	- - 688 46 734	- - 688 46 734	- - 25 23 24	- - 25 23 24	- - 25 23 24		
COPPER UNDERGROUND MINES UNDERGROUND ARIZONA NEW MEXICO TOTAL OR AVERAGE	- - - - -	- - 9 2 11	- - 9 2 11	- - 9 2 11	- - 9 2 11	4 2 6 4 17	13 4 4 17	- - - -	- - 115 91 206	- - 115 91 206	- - 115 91 206	- - 115 91 206	- - 13 46 19	- - 13 46 19	- - 13 46 19		
SURFACE AT UNDERGROUND ARIZONA TOTAL OR AVERAGE	- - -	- - 5	- - 5	- - 5	- - 5	4 4 9 4	9 9 9 9	- - -	- - 70 70	- - 70 70	- - 70 70	- - 70 70	- - 14 14	- - 14 14	- - 14 14		

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
COPPER CONTINUED																
TOTAL OR AVERAGE, UG																
ARIZONA			14	14	14	8	22								13	13
NEW MEXICO			2	2	2	2	4								46	46
TOTAL OR AVERAGE			16	16	16	10	26								17	17
SURFACE MINES																
OPEN PIT																
ARIZONA			25	25	25	10	35								40	40
NEVADA			5	5	5	1	7								14	14
NEW MEXICO			1	1	1	1	2								13	13
UTAH			1	1	1	1	1								13	13
WISCONSIN																
TOTAL OR AVERAGE			31	31	31	15	46								35	35
SURFACE																
ARIZONA			25	25	25	10	35								40	40
NEVADA			5	5	5	1	7								14	14
NEW MEXICO			1	1	1	1	2								13	13
UTAH			1	1	1	1	1								13	13
WISCONSIN																
TOTAL OR AVERAGE			31	31	31	15	46								35	35
MINING																
ARIZONA			39	39	39	18	57								30	30
NEVADA			7	7	7	4	11								23	23
NEW MEXICO			1	1	1	1	2								13	13
UTAH							1									
WISCONSIN																
TOTAL OR AVERAGE			47	47	47	25	72								29	29
PROCESSING PLANTS																
ARIZONA		1	60	61	61	40	101			450	450	450	450	17	24	24
NEW MEXICO			7	7	7	2	9							17	17	17
UTAH			1	1	1		1							3	3	3
TOTAL OR AVERAGE		1	68	69	69	42	111			450	450	450	450	17	23	23

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TOTAL					TEMPO- RARY	TOTAL NFIDL						
			TOTAL	PARTIAL											
COPPER CONTINUED															
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	1	99	100	100	158	58	-	-	450	2,229	2,679	450	23	27
ARIZONA:	-	-	14	14	14	1	1	-	-	-	277	277	-	20	20
NEVADA:	-	-	2	2	2	3	1	-	-	-	16	16	-	8	8
NEW MEXICO:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
UTAH:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
WISCONSIN:	-	1	115	116	116	183	67	-	-	450	2,522	2,972	450	22	26
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE:															
ARIZONA:	-	1	99	100	100	158	58	-	-	450	2,229	2,679	450	23	27
NEVADA:	-	-	14	14	14	1	1	-	-	-	277	277	-	20	20
NEW MEXICO:	-	-	2	2	2	3	1	-	-	-	16	16	-	8	8
UTAH:	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
WISCONSIN:	-	-	115	116	116	183	67	-	-	450	2,522	2,972	450	22	26
TOTAL OR AVERAGE:	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD:															
UNDERGROUND MINES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNDERGROUND:	-	-	1	1	1	1	2	-	-	-	26	26	-	26	26
ALASKA:	-	-	5	5	5	7	-	-	-	-	109	109	-	22	22
ARIZONA:	-	-	2	2	2	3	1	-	-	-	83	83	-	42	42
NEVADA:	-	-	1	1	1	1	-	-	-	-	29	29	-	29	29
WASHINGTON:	-	-	9	9	9	12	3	-	-	-	247	247	-	27	27
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT UNDERGROUND:															
ARIZONA:	-	-	1	1	1	1	-	-	-	9	9	9	-	9	9
MONTANA:	-	-	1	1	1	1	-	-	-	1	1	1	-	1	1
NEVADA:	-	1	1	2	2	3	1	-	-	50	5	55	50	5	28
SOUTH DAKOTA:	-	-	1	1	1	2	-	-	-	-	28	28	-	28	28
WASHINGTON:	-	-	1	1	1	1	-	-	-	-	5	5	-	5	5
TOTAL OR AVERAGE:	-	1	5	6	6	8	2	-	-	50	48	98	50	10	16
SURFACE AT UNDERGROUND:															
ALASKA:	-	-	1	1	1	1	-	-	-	-	26	26	-	26	26
ARIZONA:	-	-	6	6	6	8	2	-	-	-	118	118	-	20	20
MONTANA:	-	-	1	1	1	1	-	-	-	-	1	1	-	1	1
NEVADA:	-	1	3	4	4	6	2	-	-	50	88	138	50	29	34
SOUTH DAKOTA:	-	-	1	1	1	2	1	-	-	-	28	28	-	28	28
WASHINGTON:	-	-	2	2	2	2	-	-	-	-	34	34	-	17	17
TOTAL OR AVERAGE:	-	1	14	15	15	20	5	-	-	50	295	345	50	21	23

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPO- RARY	TOTAL NFDI				PERMANENT		TOTAL NFDI					
								TOTAL	PARTIAL						
															TOTAL
GOLD-CONTINUED SURFACE MINES OPEN PIT															
CALIFORNIA	1	-	14	1	15	9	24	6,000	-	-	433	6,433	31	429	
COLORADO	-	-	1	1	2	2	-	-	-	-	10	10	10	10	
IDAHO	-	-	3	3	6	3	-	-	-	-	229	229	76	76	
MONTANA	1	-	4	4	5	5	6,000	6,000	-	-	57	6,057	14	1,211	
NEVADA	-	1	62	63	125	90	6,000	-	75	-	927	7,002	15	109	
SOUTH CAROLINA	-	-	2	2	4	2	-	-	-	-	64	64	32	32	
SOUTH DAKOTA	-	-	15	15	30	24	-	-	-	-	569	569	38	38	
UTAH	-	-	5	5	10	6	-	-	-	-	32	32	6	6	
TOTAL OR AVERAGE	3	-	106	107	213	156	18,000	-	75	-	2,321	20,396	22	185	
TOTAL OR AVERAGE SURFACE															
CALIFORNIA	1	-	14	1	15	9	24	6,000	-	-	433	6,433	31	429	
COLORADO	-	-	1	1	2	2	-	-	-	-	10	10	10	10	
IDAHO	-	-	3	3	6	3	-	-	-	-	229	229	76	76	
MONTANA	1	-	4	4	5	5	6,000	6,000	-	-	57	6,057	14	1,211	
NEVADA	-	1	62	63	125	90	6,000	-	75	-	927	7,002	15	109	
SOUTH CAROLINA	-	-	2	2	4	2	-	-	-	-	64	64	32	32	
SOUTH DAKOTA	-	-	15	15	30	24	-	-	-	-	569	569	38	38	
UTAH	-	-	5	5	10	6	-	-	-	-	32	32	6	6	
TOTAL OR AVERAGE	3	-	106	107	213	156	18,000	-	75	-	2,321	20,396	22	185	
TOTAL OR AVERAGE MINING															
ALASKA	-	-	1	6	7	1	-	-	-	-	26	26	26	26	
ARIZONA	-	-	14	14	28	24	6,000	-	-	-	118	118	20	429	
CALIFORNIA	1	-	1	1	2	2	-	-	-	-	433	433	31	10	
COLORADO	-	-	3	3	6	3	-	-	-	-	10	10	76	76	
IDAHO	-	-	3	3	6	3	-	-	-	-	229	229	14	1,010	
MONTANA	1	-	5	5	10	6	6,000	-	-	-	58	6,058	12	16	
NEVADA	-	2	65	67	132	96	6,000	-	125	-	1,140	7,140	32	105	
SOUTH CAROLINA	-	-	2	2	4	2	-	-	-	-	64	64	32	32	
SOUTH DAKOTA	-	-	16	16	32	26	-	-	-	-	597	597	37	37	
UTAH	-	-	5	5	10	6	-	-	-	-	32	32	6	6	
WASHINGTON	-	-	2	2	4	2	-	-	-	-	34	34	17	17	
TOTAL OR AVERAGE	3	-	120	122	242	176	18,000	-	125	-	2,616	20,741	22	166	

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE
AT CONSTRUCTION METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL	NONFATAL		TOTAL FATAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL		TOTAL FATAL AND NONFATAL	PERMANENT PARTIAL	TEMPORARY AND NONFATAL	TOTAL FATAL AND NONFATAL	PERMANENT PARTIAL	TEMPORARY AND NONFATAL
		PERMANENT	TEMPORARY				PERMANENT	TEMPORARY						
		TOTAL	PARTIAL				TOTAL	PARTIAL						
COLO-CONTINUED: PROCESSING PLANTS														
ARIZONA	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	1	9	9	10	51	50	51	51	50	51	50	50	6
COLORADO	-	1	4	5	6	79	185	264	264	8	264	264	8	20
IDaho	-	1	1	2	3	8	-	8	8	-	8	8	-	8
MONTANA	-	-	19	19	19	243	-	243	243	-	243	243	-	13
NEVADA	-	-	4	4	5	31	-	31	31	-	31	31	-	8
SOUTH CAROLINA	-	-	17	17	47	187	-	337	337	-	337	337	-	13
UTAH	-	3	1	4	1	32	-	32	32	-	32	32	-	20
WASHINGTON	-	-	1	1	1	22	-	22	22	-	22	22	-	22
TOTAL OR AVERAGE	-	5	52	57	61	385	385	631	1,016	77	12	18	77	12
TOTAL OR AVERAGE ALL MINES AND PLANTS														
ALASKA	-	-	1	1	1	26	-	26	26	-	26	26	-	26
ARIZONA	-	-	6	6	9	118	-	118	118	-	118	118	-	20
CALIFORNIA	-	1	23	23	39	484	50	484	604	50	484	604	50	270
COLORADO	-	1	7	8	9	10	-	10	60	-	60	60	-	21
IDaho	-	1	6	7	9	308	185	493	493	185	493	678	185	44
MONTANA	-	-	6	6	7	66	-	66	66	-	66	66	-	15
NEVADA	-	2	86	88	134	1,258	125	1,383	1,383	62	1,383	1,445	62	867
SOUTH CAROLINA	-	-	6	6	7	95	-	95	95	-	95	95	-	16
SOUTH DAKOTA	-	-	15	15	10	597	-	597	597	-	597	597	-	37
UTAH	-	3	19	22	31	219	150	369	369	50	369	419	50	17
WASHINGTON	-	-	3	3	3	66	-	66	66	-	66	66	-	22
TOTAL OR AVERAGE	3	7	172	179	112	294	510	3,247	3,757	73	19	120	73	19
OFFICE														
NEVADA	-	-	3	3	4	14	-	14	14	-	14	14	-	5
TOTAL OR AVERAGE	-	-	3	3	1	4	-	14	14	-	14	14	-	5
GRAND TOTAL OR AVERAGE														
ALASKA	-	-	1	1	1	26	-	26	26	-	26	26	-	26
ARIZONA	-	-	6	6	9	118	-	118	118	-	118	118	-	20
CALIFORNIA	1	-	23	23	39	484	50	484	604	50	484	604	50	270
COLORADO	-	1	7	8	9	10	-	10	60	-	60	60	-	21
IDaho	-	1	6	7	9	308	185	493	493	185	493	678	185	44
MONTANA	1	-	6	6	7	66	-	66	66	-	66	66	-	15
NEVADA	-	2	86	88	134	1,258	125	1,383	1,383	62	1,383	1,445	62	867
SOUTH CAROLINA	-	-	6	6	7	95	-	95	95	-	95	95	-	16
SOUTH DAKOTA	-	-	15	15	10	597	-	597	597	-	597	597	-	37
UTAH	-	3	19	22	31	219	150	369	369	50	369	419	50	17
WASHINGTON	-	-	3	3	3	66	-	66	66	-	66	66	-	22
TOTAL OR AVERAGE	3	7	175	182	113	298	510	3,261	3,771	73	19	118	73	19

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL				PARTIAL	TOTAL	PARTIAL					
IRON PROCESSING PLANTS, MINNESOTA-----	-	-	1	1	1	2	3	-	-	-	450	450	-	450	450	
TOTAL OR AVERAGE-----	-	-	1	1	1	2	3	-	-	-	450	450	-	450	450	
TOTAL OR AVERAGE, ALL MINES AND PLANTS MINNESOTA-----	-	-	1	1	1	2	3	-	-	-	450	450	-	450	450	
TOTAL OR AVERAGE-----	-	-	1	1	1	2	3	-	-	-	450	450	-	450	450	
GRAND TOTAL OR AVERAGE MINNESOTA-----	-	-	1	1	1	2	3	-	-	-	450	450	-	450	450	
TOTAL OR AVERAGE-----	-	-	1	1	1	2	3	-	-	-	450	450	-	450	450	
LEAD-ZINC, UNDERGROUND MINES: UNDERGROUND-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IDAHO-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	75	
MISSOURI-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	75	
WASHINGTON-----	-	-	1	1	1	1	1	-	-	75	-	75	75	-	75	
TOTAL OR AVERAGE-----	-	-	1	1	1	2	3	-	-	75	-	75	75	-	75	
SURFACE AT UNDERGROUND MISSOURI-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, UG: IDAHO-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
MISSOURI-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	75	
WASHINGTON-----	-	-	1	1	1	1	1	-	-	75	-	75	75	-	75	
TOTAL OR AVERAGE-----	-	-	1	1	1	3	4	-	-	75	-	75	75	-	75	
SURFACE MINES: OPEN PIT ALASKA-----	-	-	2	2	2	1	3	-	-	-	105	105	-	52	52	
TOTAL OR AVERAGE-----	-	-	2	2	2	1	3	-	-	-	105	105	-	52	52	

TABLE 7 NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES 1991 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	FATAL	NFDI			TOTAL FATAL AND NFDI	PERM NFI PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPO- RARY	TOTAL NFDI				PERMANENT		TEMPO RARY					TOTAL NFDI
								TOTAL	PARTIAL						
LEAD-ZINC-CONTINUED TOTAL OR AVERAGE SURFACE ALASKA			2	2	2	1	3				105		52	52	
TOTAL OR AVERAGE			2	2	2	1	3				105		52	52	
TOTAL OR AVERAGE MINING ALASKA			2	2	2	1	3				105		52	52	
IDAHO						2	2								
MISSOURI				1	1	1	1		75		75		75	75	
WASHINGTON															
TOTAL OR AVERAGE		1	2	3	3	4	7		75	105	180	75	52	60	
INDEPENDENT SHOPS MISSOURI			2	2	2		2			56	56		28	28	
TOTAL OR AVERAGE			2	2	2		2			56	56		28	28	
TOTAL OR AVERAGE ALL MINES AND PLANTS			2	2	2	1	3			105	105		52	52	
ALASKA			2	2	2	1	3								
IDAHO			2	2	2	2	4		75	56	56		28	28	
MISSOURI				1	1	1	1								
WASHINGTON															
TOTAL OR AVERAGE		1	4	5	5	4	9		75	161	236	75	40	47	
GRAND TOTAL OR AVERAGE			2	2	2	1	3			105	105		52	52	
ALASKA			2	2	2	1	3								
IDAHO			2	2	2	2	4			56	56		28	28	
MISSOURI				1	1	1	1								
WASHINGTON															
TOTAL OR AVERAGE		1	4	5	5	4	9			161	236	75	40	47	
MOLYBDENUM SURFACE MINES OPEN PIT IDAHO						1	1								
TOTAL OR AVERAGE						1	1								
TOTAL OR AVERAGE SURFACE IDAHO						1	1								
TOTAL OR AVERAGE						1	1								

TABLE 7 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPO RARY	TOTAL NFI				PERMANENT		TOTAL NFI					
								TOTAL	PARTIAL						
MOYDENUM CONTINUED TOTAL OR AVERAGE MINING IDAHO	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
PROCESSING PLANTS COLORADO	-	-	2	2	2	3	1	-	-	-	63	-	32	32	
IDAHO	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	4	2	-	-	-	63	-	32	32	
TOTAL OR AVERAGE ALL MINES AND PLANTS COLORADO	-	-	2	2	2	3	1	-	-	-	63	-	32	32	
IDAHO	-	-	-	-	-	2	2	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	5	3	-	-	-	63	-	32	32	
GRAND TOTAL OR AVERAGE COLORADO	-	-	2	2	2	3	2	-	-	-	63	-	32	32	
IDAHO	-	-	-	-	-	2	2	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	2	2	2	5	3	-	-	-	63	-	32	32	
RARE EARTHS SURFACE MINES OPEN PIT CALIFORNIA	-	-	1	1	1	1	1	-	-	-	36	-	36	36	
TOTAL OR AVERAGE	-	-	1	1	1	1	1	-	-	-	36	-	36	36	
TOTAL OR AVERAGE SURFACE CALIFORNIA	-	-	1	1	1	1	1	-	-	-	36	-	36	36	
TOTAL OR AVERAGE	-	-	1	1	1	1	1	-	-	-	36	-	36	36	
TOTAL OR AVERAGE MINING CALIFORNIA	-	-	1	1	1	1	1	-	-	-	36	-	36	36	
TOTAL OR AVERAGE	-	-	1	1	1	1	1	-	-	-	36	-	36	36	
PROCESSING PLANTS CALIFORNIA	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	

TABLE 7 NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONSTRUCTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	MEN				TOTAL FATAL AND MFDL	NONI	TOTAL INJURIES	FATAL	MEN			TOTAL FATAL AND MFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND MFDL	
	PERMANENT		TEMPO RARY	TOTAL MFDL					PERMANENT		TEMPO RARY					TOTAL MFDL
	TOTAL	PARTIAL							TOTAL	PARTIAL						
BASE EARTH CONTINUED TOTAL OR AVERAGE ALL MINES AND PLANTS CALIFORNIA																
TOTAL OR AVERAGE																
GRAND TOTAL OR AVERAGE CALIFORNIA																
TOTAL OR AVERAGE																
SILVER UNDERGROUND MINES																
UNDERGROUND																
ALASKA																
IDAHO																
MONTANA																
NEVADA																
TOTAL OR AVERAGE																
SURFACE AT UNDERGROUND MONTANA																
TOTAL OR AVERAGE																
TOTAL OR AVERAGE, U.S.																
ALASKA																
IDAHO																
MONTANA																
NEVADA																
TOTAL OR AVERAGE																
TOTAL OR AVERAGE, MINING																
ALASKA																
IDAHO																
MONTANA																
NEVADA																
TOTAL OR AVERAGE																
PROCESSING PLANTS																
IDAHO																
TOTAL OR AVERAGE																

100M IN USD)

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TABLE 7. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL WORK, LOCATION, AND STATE
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

TYPE OF MINERAL WORK, LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT		TOTAL				TEMPORARY	TOTAL						
		TOTAL	PARTIAL												
URANIUM CONTINUED															
GRAND TOTAL OR AVERAGE															
NEW MEXICO															
TEXAS															
TOTAL OR AVERAGE															
ALL METALLIC MINERALS															
UNDERGROUND MINES															
ALASKA															
ARIZONA															
IDAH															
MISSOURI															
MONTANA															
NEVADA															
NEW MEXICO															
WASHINGTON															
TOTAL OR AVERAGE															
SURFACE AT UNDERGROUND															
ARIZONA															
MISSOURI															
MONTANA															
NEVADA															
SOUTH DAKOTA															
WASHINGTON															
TOTAL OR AVERAGE															
UNDERGROUND															
ALASKA															
ARIZONA															
IDAH															
MISSOURI															
MONTANA															
NEVADA															
NEW MEXICO															
SOUTH DAKOTA															
WASHINGTON															
TOTAL OR AVERAGE															

TABLE 7. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT		TOTAL					TEMPORARY	TOTAL NFI						
		TOTAL	PARTIAL													
ALL METALLIC CONTINUED SURFACE MINES OPEN PIT																
ALASKA		3		2		3					105	105		52		52
ARIZONA		25		25		25		6,000			1,001	1,001		40		404
CALIFORNIA	1	25		16		25					469	6,469		10		76
COLORADO		3		3		3		6,000			229	229		14		1,211
IDAHO		3		3		3		6,000			57	57		15		1,099
MONTANA	1	63	1	64		91			75		927	7,002	75	14		14
NEVADA		3		3		3					88	88		14		32
NEW MEXICO		3		3		3					64	64		32		38
SOUTH CAROLINA		3		3		3					569	569		11		8
SOUTH DAKOTA		15		15		24					45	45				
TEXAS		6		6		8					45	45				
UTAH						1										
WISCONSIN						1										
TOTAL OR AVERAGE	3	146	1	149		212		18,000		75	3,599	21,674	75	25		145
TOTAL OR AVERAGE SURFACE																
ALASKA		3		2		3					105	105		52		52
ARIZONA		25		25		25		6,000			1,001	1,001		40		404
CALIFORNIA	1	25		16		25					469	6,469		10		76
COLORADO		3		3		3		6,000			229	229		14		1,211
IDAHO		3		3		3		6,000			57	57		15		1,099
MONTANA	1	63	1	64		91			75		927	7,002	75	14		14
NEVADA		3		3		3					88	88		14		32
NEW MEXICO		3		3		3					64	64		32		38
SOUTH CAROLINA		3		3		3					569	569		11		8
SOUTH DAKOTA		15		15		24					45	45				
TEXAS		6		6		8					45	45				
UTAH						1										
WISCONSIN						1										
TOTAL OR AVERAGE	3	146	1	149		212		18,000		75	3,599	21,674	75	25		145

TABLE 7 NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION AND STATE
 ALL CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MEDI			TOTAL FATAL AND MEDI	MOR	TOTAL INJURIES	FATAL	MEDI			TOTAL FATAL AND MEDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MEDI
		PERMANENT	TEMPORARY	TOTAL					TOTAL MEDI						
										TOTAL	PARTIAL				
ALL METALLIC CONTINUED															
TOTAL OR AVERAGE MINING															
ALASKA					11	7	18		50		223	20			
ARIZONA	1		10	45	45	20	65	5 000	1 304		1 304	29			
CALIFORNIA			45	15	16	9	25		469		6 469	31			
COLORADO			1	1	1	1	2		10		10	10			
CONNECTICUT			3	3	3	3	6		229		229	76			
DELAWARE							2								
FLORIDA							2								
GEORGIA							2								
IDAHO							2								
ILLINOIS							2								
INDIANA							2								
IOWA							2								
KANSAS							2								
KENTUCKY							2								
LOUISIANA							2								
MAINE							2								
MARYLAND							2								
MASSACHUSETTS							2								
MICHIGAN							2								
MINNESOTA							2								
MISSISSIPPI							2								
MISSOURI							2								
MONTANA							2								
NEBRASKA							2								
NEVADA							2								
NEW HAMPSHIRE							2								
NEW JERSEY							2								
NEW MEXICO							2								
NEW YORK							2								
NORTH CAROLINA							2								
NORTH DAKOTA							2								
OHIO							2								
OKLAHOMA							2								
OREGON							2								
PENNSYLVANIA							2								
RHODE ISLAND							2								
SOUTH CAROLINA							2								
SOUTH DAKOTA							2								
TENNESSEE							2								
TEXAS							2								
UTAH							2								
VIRGINIA							2								
WASHINGTON							2								
WISCONSIN							2								
WYOMING							2								
TOTAL OR AVERAGE	3	6	195	201	204	102	306	18 000	5 333	56	23 683	116			
INDEPENDENT SHOPS															
MISSOURI															
TOTAL OR AVERAGE			2	2	2	2	2		56	56	56	28			
PROCESSING PLANTS															
ARIZONA															
ARKANSAS															
CALIFORNIA															
COLORADO															
CONNECTICUT															
DELAWARE															
FLORIDA															
GEORGIA															
IDAHO															
ILLINOIS															
INDIANA															
IOWA															
KANSAS															
KENTUCKY															
LOUISIANA															
MAINE															
MARYLAND															
MASSACHUSETTS															
MICHIGAN															
MINNESOTA															
MISSISSIPPI															
MISSOURI															
MONTANA															
NEBRASKA															
NEVADA															
NEW HAMPSHIRE															
NEW JERSEY															
NEW MEXICO															
NEW YORK															
NORTH CAROLINA															
NORTH DAKOTA															
OHIO															
OKLAHOMA															
OREGON															
PENNSYLVANIA															
RHODE ISLAND															
SOUTH CAROLINA															
SOUTH DAKOTA															
TENNESSEE															
TEXAS															
UTAH															
VIRGINIA															
WASHINGTON															
WISCONSIN															
WYOMING															
TOTAL OR AVERAGE		6	155	161	161	137	298		3 094	139	3 929	24			

TABLE 7. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1997 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	MFD			TOTAL FATAL AND MFD	NON FATAL	TOTAL INJURIES	FATAL	MFD			TOTAL FATAL AND MFD	PERM NEW PARTIAL	TEMP PARTIAL	TOTAL FATAL AND MFD		
		PERM	TEMP PARTIAL	TOTAL					TOTAL MFD								

TABLE 7 NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

TYPE OF MINERAL WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST HOURS				AVERAGE SEVERITY					
	FATAL	NFDI			TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPORARY	TOTAL NFDI					TOTAL	PARTIAL						
ALL METALLIC CONTINUED																
GRAND TOTAL OR AVERAGE																
ALASKA																
ARIZONA																
ARKANSAS																
CALIFORNIA																
COLORADO																
IDAHO																
LOUISIANA																
MINNESOTA																
MISSOURI																
MONTANA																
NEVADA																
NEW MEXICO																
SOUTH CAROLINA																
SOUTH DAKOTA																
TEXAS																
UTAH																
VIRGIN ISLANDS																
WASHINGTON																
WISCONSIN																
TOTAL OR AVERAGE	3	12	355	367	370	611	18,000	1,185	8,437	9,622	27,682	99	24			75

TABLE 9 . NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	PERMANENT			TOTAL FATAL AND NFI	TOTAL FATAL AND NFI	TEMPORARY	TOTAL FATAL AND NFI	
		TOTAL	PARTIAL	TEMPORARY				TOTAL	PARTIAL						
UNDERGROUND MINES															
UNDERGROUND															
EAR			2	2	2						10			10	5
EYE			2	2	2						2			2	1
MOUTH/TEETH/TONGUE															
NOSE															
HEAD NEC			1	1	1						3			3	3
NECK			1	1	1						29			29	29
ELBOW															
FOREARM															
WRIST			1	1	1						23			23	23
HAND			1	1	1						1			1	1
FINGER(S)			4	5	5					75	111			111	22
UPPER EXTREMITIES, NEC															
ABDOMEN			3	3	3						10			10	3
BACK			6	6	6						310			310	52
CHEST			2	2	2						274			274	137
PELVIC REGION			1	1	1						90			90	60
SHOULDER(S)			3	3	3					150	240			240	50
KNEE			3	3	3						224			224	75
ANKLE			3	3	3						101			101	34
FOOT			1	1	1						185			185	185
LOWER EXTREMITIES, NEC			6	6	6						3			3	3
MULTIPLE PARTS OF BODY											278			278	46
TOTAL OR AVERAGE			38	42	42					225	1,804	56	42	1,804	43
SURFACE AT UNDERGROUND															
EYE															
FACE, NEC			1	1	1						6			6	6
NECK			1	1	1						28			28	28
ELBOW			1	1	1						35			35	35
WRIST			2	2	2						35			35	18
HAND															
FINGER(S)										50	50			50	50
UPPER EXTREMITIES, NEC															
BACK			1	1	1						9			9	9
TRUNK, NEC			1	1	1						2			2	2
THIGH			1	1	1						1			1	1
KNEE			1	1	1						1			1	1
ANKLE			2	2	2						35			35	18
MULTIPLE PARTS OF BODY			1	1	1						3			3	3
TOTAL OR AVERAGE			12	13	13					50	205	50	13	205	16

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFI	
		TOTAL	PARTIAL	TOTAL NFI				TOTAL	PARTIAL	TOTAL NFI					
TOTAL OR AVERAGE, UG															
EAR			2		2	2								10	5
EYE			2		2	2								2	1
MOUTH/TEETH/TONGUE															
NOSE															
FACE, NEC			1		1	1								6	6
HEAD, NEC			1		1	1								3	3
NECK			2		2	2								57	28
ELBOW			1		1	1								35	35
FOREARM															
Wrist			3		3	3								58	19
HAND			4		4	4								1	1
FINGER(S)		2			2	2			125					161	27
UPPER EXTREMITIES, NEC			3		3	3								10	3
ARM			7		7	7								319	46
SHOULDER(S)			2		2	2								274	137
TRUNK, NEC		3			3	3			150					240	50
THIGH			1		1	1								2	2
LEG			1		1	1								1	1
SHOULDER(S)			4		4	4								225	56
TRUNK, NEC			5		5	5								136	27
KNEE			1		1	1								185	185
ANKLE			1		1	1								3	3
FOOT			7		7	7								281	40
LOWER EXTREMITIES, NEC															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE		5	50		55	94	39		275		1,734	2,009	55	35	37

TABLE 9. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					PERMANENT	PARTIAL	TOTAL NFDL					
TOTAL	PARTIAL		TOTAL													
SURFACE MINES:																
OPEN PIT:																
EAR:																5
EYE:																33
JAW:																2
MOUTH/TEETH/TONGUE:																2
FACE: NEC:																2
HEAD: NEC:																33
NECK:																121
ELBOW:																8
FOREARM:																13
WRIST:																118
HAND:																151
FINGER(S):																213
UPPER EXTREMITIES: NEC:																166
ABDOMEN:																1
BACK:																970
CHEST:																2
PELVIC REGION:																503
SHOULDER(S):																135
THIGH:																4
KNEE:																520
LOWER LEG:																2
ANKLE:																136
FOOT:																46
TOE(S):																46
LOWER EXTREMITIES: NEC:																66
BODY SYSTEMS:	1															6 000
MULTIPLE PARTS OF BODY:	2															12 000
UNCLASSIFIED:																22
TOTAL OR AVERAGE:	3	1	145	146	149	63	212	18 000	3 599	75	21 674	75	25	145		

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NOI	TOTAL INJURIES	FATAL	NFIDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL		
		TOTAL	PERMANENT	PARTIAL					TOTAL FATAL	TEMPO- RARY	TOTAL NFIDL					
TOTAL OR AVERAGE SURFACE	-	1	10	1	1	7	1	-	-	-	-	-	5	329	5	5
EAR	-	10	-	10	10	2	17	-	-	-	-	-	329	33	33	33
EYE	-	1	-	1	1	2	3	-	-	-	-	-	2	2	2	2
JAW	-	1	-	1	1	2	3	-	-	-	-	-	2	2	2	2
MOUTH/TEETH/TONGUE	-	2	-	2	2	1	3	-	-	-	-	-	33	15	15	15
FACE, NEC	-	8	-	8	8	1	9	-	-	-	-	-	121	4	4	4
HEAD, NEC	-	2	-	2	2	1	3	-	-	-	-	-	8	8	8	8
NECK	-	2	-	2	2	1	3	-	-	-	-	-	13	13	13	13
ELBOW	-	1	-	1	1	1	2	-	-	-	-	-	118	24	24	24
FOREARM	-	5	-	5	5	3	8	-	-	-	-	-	151	25	25	25
WRIST	-	6	-	6	6	16	22	-	-	-	-	-	213	13	13	13
HAND	-	12	-	12	12	1	13	-	-	-	-	-	166	42	42	42
FINGER(S)	-	4	-	4	4	1	5	-	-	-	-	-	1	1	1	1
UPPER EXTREMITIES, NEC	-	1	-	1	1	8	9	-	-	-	-	-	970	26	26	26
ABDOMEN	-	37	-	37	37	1	38	-	-	-	-	-	2	2	2	2
BACK	-	1	-	1	1	1	2	-	-	-	-	-	503	126	126	126
CHEST	-	4	-	4	4	1	5	-	-	-	-	-	135	27	27	27
PELVIC REGION	-	5	-	5	5	1	6	-	-	-	-	-	4	4	4	4
SHOULDER(S)	-	1	-	1	1	1	2	-	-	-	-	-	500	43	43	43
THIGH	-	12	-	12	12	2	14	-	-	-	-	-	2	2	2	2
KNEE	-	1	-	1	1	3	4	-	-	-	-	-	136	9	9	9
LOWER LEG	-	15	-	15	15	3	18	-	-	-	-	-	46	23	23	23
ANKLE	-	2	-	2	2	1	3	-	-	-	-	-	46	23	23	23
FOOT	-	4	-	4	4	2	6	-	-	-	-	-	66	16	16	16
TOE(S)	-	7	-	7	7	5	12	6 000	-	-	-	-	60	9	9	9
LOWER EXTREMITIES, NEC	1	1	-	1	1	1	2	12 000	-	-	-	-	22	22	22	22
BODY SYSTEMS	2	7	-	7	9	5	14	-	-	-	-	-	5 000	1 340	1 340	1 340
MULTIPLE PARTS OF BODY	-	1	-	1	1	1	2	-	-	-	-	-	6 000	1 340	1 340	1 340
UNCLASSIFIED	-	1	-	1	1	63	212	18 000	-	-	-	-	75	25	25	25
TOTAL OR AVERAGE	3	145	146	149	63	212	18 000	3 674	3 599	75	21 674	75	25	145		

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT		TOTAL NFDL					PERMANENT		TOTAL NFDL				
		TOTAL	PARTIAL						TOTAL	PARTIAL					
TOTAL OR AVERAGE, MINING															
EAR		3		3	3	11	3				15	15		5	5
EYE		12		12	12	2	23				331	331		28	28
JAW		1		1	1	1	2				2	2		2	2
NOSE		2		2	2	2	4				8	8		4	4
FACE, NEC		3		3	3	2	5				36	36		12	12
HEAD, NEC		10		10	10	11	5				178	178		18	18
NECK		3		3	3	2	5				43	43		14	14
ELBOW		1		1	1	2	3				13	13		13	13
FOREARM		8		8	8	1	9				176	176		22	22
WRIST		7		7	7	4	11				152	152		22	22
HAND		15		15	15	24	42			200	374	374	67	42	42
FINGER(S)		4		4	4	3	7				166	166		42	42
UPPER EXTREMITIES, NEC		44		44	44	10	54				11	11		3	3
ABDOMEN		3		3	3	4	7				1,289	1,289		29	29
BACK		5		5	5	1	6			150	276	276		92	92
CHEST		5		5	5	1	6				743	743	50	119	119
PELVIC REGION		1		1	1	1	2				2	2		2	2
SHOULDER(S)		2		2	2	1	3				5	5		2	2
TRUNK, NEC		16		16	16	4	20				745	745		47	47
THIGH		1		1	1	2	3				2	2		2	2
KNEE		20		20	20	8	28				272	272		14	14
LOWER LEG		3		3	3	3	6				231	231		77	77
ANKLE		2		2	2	1	3				46	46		23	23
FOOT		5		5	5	2	7				69	69		14	14
TOE(S)		14		14	14	11	25				341	341		24	24
LOWER EXTREMITIES, NEC		1		1	1	1	2				6,000	6,000		771	771
BODY SYSTEMS		2		2	2	1	3				12,941	12,941		22	22
MULTIPLE PARTS OF BODY		3		3	3	102	306			350	5,683	5,683	58	27	116
UNCLASSIFIED															
TOTAL OR AVERAGE		195	6	201	204	102	306	18,000	5,333	350	5,683	23,683	58	27	116
INDEPENDENT SHOPS															
FOOT		1		1	1	1	2				55	55		55	55
MULTIPLE PARTS OF BODY		1		1	1	1	2				1	1		1	1
TOTAL OR AVERAGE		2		2	2	2	4				56	56		28	28

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL				TOTAL	PERMANENT	PARTIAL					TOTAL NFDL
PROCESSING PLANTS															
EAR		1		1	1	4	3				9		9	9	
EYE		14		14	14	44	30				29		29	29	
MOUTH/TEETH/TONGUE		1		1	1	3	2				8		8	8	
NOSE						1	1								
SCALP						1	1								
FACE, NEC		2		2	2	4	2				9		4	4	
HEAD, NEC						2	2								
NECK						3	3								
UPPER ARM						1	1								
ELBOW		2		2	2	3	2				28		14	14	
FOREARM		7		7	7	10	7				49		7	7	
Wrist		8		8	8	12	4				148		18	18	
HAND		14	2	16	16	54	38			235	147	118	10	24	
FINGERS		2		2	2	4	2				236		15	15	
UPPER EXTREMITIES, NEC		37		37	37	48	11				557		20	20	
BACK		1		1	1	9	2			150	133	50	19	33	
CHEST		4		4	4	8	1				3		3	3	
PELVIC REGION		7		7	7	1	1				18		18	18	
SHOULDER(S)		1		1	1	1	1				235		20	20	
TRUNK, NEC		12		12	12	19	7				43		6	6	
THIGH		7		7	7	10	3				468		31	31	
KNEE		15		15	15	20	5				450		450	450	
LOWER LEG						4	3				1		1	1	
ANKLE		1		1	1	2	1				2		2	2	
FOOT		16		16	16	23	7				871		54	54	
TOE(S)						298	137			835	3,929	139	20	24	
LOWER EXTREMITIES, NEC															
BODY SYSTEMS															
MULTIPLE PARTS OF BODY															
TOTAL OR AVERAGE		6		155	161	298	137			835	3,929	139	20	24	

TABLE 9 NUMBER OF INJURIES, LOST WORKDAYS AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDI			TOTAL FATAL AND NFDI	TOTAL INJURIES	NFI	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		PERMANENT	TEMPO- RARY	TOTAL NFDI					TOTAL	PARTIAL	TOTAL NFDI				
TOTAL OR AVERAGE															
ALL MINES AND PLANTS															
EAR			4	4	4	7	3				24		6	6	
EYE			26	26	26	67	41				360		14	14	
JAW			2	2	2	2	2				10		5	5	
MOUTH/TEETH/TONGUE						1	1								
NOSE						8	4				17		4	4	
SCALP						7	4				36		12	12	
FACE, NEC			4	4	4	14	4				178		18	18	
HEAD, NEC			10	10	10										
NECK						1	1				71		14	14	
UPPER ARM			5	5	5	8	3				13		13	13	
ELBOW			1	1	1	5	4				225		15	15	
FOREARM			15	15	15	19	4				300		20	20	
WRIST			15	15	15	23	8				756		11	11	
HAND			29	29	29	96	62			435	402	87	67	67	
FINGERS			6	6	6	11	5				11		3	3	
UPPER EXTREMITIES, NEC			4	4	4	5	1				1,846		23	23	
ABDOMEN			81	81	81	102	21				296		74	74	
BACK			4	4	4	5	3				973	50	75	75	
CHEST			9	9	9	18	3			300	268		22	22	
PELVIC REGION			12	12	12	14	2				5		2	2	
SHOULDER(S)			2	2	2	2	2				23		8	8	
TRUNK, NEC			3	3	3	5	2				980		35	35	
THIGH			28	28	28	39	11				2		2	2	
KNEE			1	1	1	4	3				315		12	12	
LOWER LEG			27	27	27	33	6				754		40	40	
ANKLE			19	19	19	32	13				46		23	23	
FOOT			3	3	3	6	2			450	70	450	105	105	
TOE(S)			6	6	6	8	2				2		12	12	
LOWER EXTREMITIES, NEC			2	2	2	5	2				1,213		35	35	
BODY SYSTEMS	1		31	31	33	51	18				22		22	22	
MULTIPLE PARTS OF BODY	2		1	1	1	1	1								
UNCLASSIFIED															
TOTAL OR AVERAGE	3	12	352	364	367	606	239	18,000	1,185	8,483	9,668	99	24	75	
OFFICE															
EYE			1	1	1	1	1				2		2	2	
FINGERS						1	1								
KNEE			1	1	1	2	1				10		10	10	
MULTIPLE PARTS OF BODY			1	1	1	1	1				2		2	2	
TOTAL OR AVERAGE			3	3	3	5	2				14		5	5	

TABLE 9 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
 AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY						
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFI		
		TOTAL	PARTIAL	TEMPO RARY					TOTAL NFI	TOTAL NFI							
											TOTAL					PARTIAL	TEMPO RARY
GRAND TOTAL OR AVERAGE																	
EAR	-	4	27	4	3	7					24	24		6	6		
EYE	-	27		27	41	68					362	362		13	13		
JAW	-	2		2	2	2					10	10		5	5		
MOUTH/TEETH/TONGUE	-				1	1											
NOSE	-				1	1											
SCALP	-	4	4	4	4	8					17	17		4	4		
FACE NEC	-	3	3	3	4	7					36	36		12	12		
HEAD NEC	-	10	10	10	4	14					178	178		18	18		
NECK	-																
UPPER ARM	-	5	5	5	3	8					71	71		14	14		
ELBOW	-	1	1	1	4	5					13	13		13	13		
FOREARM	-	15	15	15	19	34					225	225		20	20		
WRIST	-	15	15	15	8	23					300	300		11	11		
HAND	-	29	29	29	63	92					756	756		22	22		
FINGER(S)	-	5	6	6	5	11					402	402	87	67	67		
UPPER EXTREMITIES, NEC	-				1	1					11	11		3	3		
ABDOMEN	-	4	4	4	1	5					1,846	1,846		23	23		
BACK	-	81	81	81	21	102					296	296		74	74		
CHEST	-	4	4	4	1	5					973	973		75	75		
PELVIC REGION	-	9	9	9	3	12					268	268		22	22		
SHOULDER(S)	-	6	6	6	2	8					5	5		2	2		
TRUNK NEC	-	2	2	2	2	4					23	23		8	8		
THIGH	-	3	3	3	2	5					990	990		34	34		
KNEE	-	29	29	29	12	41					2	2		2	2		
LOWER LEG	-	1	1	1	3	4					315	315		12	12		
ANKLE	-	27	27	27	6	33					754	754		40	40		
FOOT	-	19	19	19	13	32					46	46		23	23		
TOE(S)	-	2	2	2	3	5					70	70		12	12		
LOWER EXTREMITIES, NEC	-	6	6	6	2	8					2	2		1	1		
BODY SYSTEMS	1	2	2	2	2	5		6,000			1,215	1,215		38	38		
MULTIPLE PARTS OF BODY	2	32	32	32	18	50		12,000			22	22		22	22		
UNCLASSIFIED	-	1	1	1		1											
TOTAL OR AVERAGE	3		367	370	241	611		18,000	1,185	8,497	9,682	27,682	99	24	75		

TABLE 11 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	MFDL			TOTAL FATAL AND MFDL	TOTAL INJURIES	TOTAL FATAL AND MFDL	MFDL			TOTAL FATAL AND MFDL	FATAL PARTIAL	TEMPORARY	TOTAL FATAL AND MFDL			
							PERMANENT									
	FATAL	PERMANENT	PARTIAL				TEMPORARY	TOTAL MFDL	TOTAL					PARTIAL	TOTAL MFDL	
UNDERGROUND MINES																
AERATION/EXHAUSTION	1			1	1	1		75		75	75	6	75			
BURN/SCALD (NOT CHEM.)					1			6	6	6			6			
CHEMICAL BURN					1			512	512	512			73			
CONJUNCTION OR BRUISE					2			22	22	22			4			
CUT OR PUNCTURE					4											
DISLOCATION					11											
DUST IN EYE					1											
FRACTURE					2			567	567	567			94			
HEMORRHOID (NOT DISC.)	3			6	6			355	355	355	50	36	94			
STRAIN/SPRAIN				10	10			60	60	60		10	36			
MULTIPLE INJURIES				2	2			57	57	57		28	10			
UNCLASSIFIED (NO DATA)					2								28			
TOTAL OR AVERAGE	4			38	42	42	31	1,579	1,804	1,804	56	42	43			
SURFACE AT UNDERGROUND																
AERATION/EXHAUSTION	1			1	1	1		50	50	50	50	2	50			
CHEMICAL BURN					1			6	6	6			2			
CONJUNCTION OR BRUISE					3			12	12	12		4	4			
CUT OR PUNCTURE					3			95	95	95		32	4			
FRACTURE					3			14	14	14		28	7			
STRAIN/SPRAIN					2			28	28	28		28	28			
UNCLASSIFIED (NO DATA)					1											
TOTAL OR AVERAGE	1			12	13	13	8	155	205	205	50	13	16			
TOTAL OR AVERAGE US																
AERATION/EXHAUSTION	2			2	2	2		125	125	125	52	6	62			
BURN/SCALD (NOT CHEM.)					1			6	6	6			6			
CHEMICAL BURN					2			518	518	518			5			
CONJUNCTION OR BRUISE					10			34	34	34			52			
CUT OR PUNCTURE					9								4			
DISLOCATION					9											
DUST IN EYE					1											
FRACTURE					9			662	662	662			74			
HEMORRHOID (NOT DISC.)	3			3	3			369	369	369	50	31	74			
STRAIN/SPRAIN				12	12			60	60	60		10	31			
MULTIPLE INJURIES				6	6			85	85	85		28	10			
UNCLASSIFIED (NO DATA)				3	3								28			
TOTAL OR AVERAGE	5			50	55	55	39	1,734	2,009	2,009	55	35	37			

TABLE 11. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT CONSTRUCTION METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NON INJURIES	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI
		PERMANENT	TOTAL	PARTIAL					TOTAL	PARTIAL	TOTAL				
SURFACE MINES															
OPEN PIT															
ASPHYXIATION/POISONING	1	1		1	1	1	1	6 000			75	75	75		75
BURN/SCALD (HOT CHEM.)		3		3	3	3	3				26	26		9	6 000
CHEMICAL BURN		1		1	1	1	1	6 000			3	3		3	3
CONTUSION OR BRUISE	1	16		17	17	26	26				187	187		12	364
CUT OR PUNCTURE		10		10	10	27	27				504	504		50	50
DUST IN EYE		1		1	1	5	5				2	2		2	2
FRACTURE		23		23	23	26	26				625	625		27	27
POISONING (SYSTEMIC)		3		3	3	2	2				19	19		6	6
RADIATION/ULTRA VIOLET		3		3	3	4	4				9	9		3	3
SCRATCH/ABRASION		66		66	66	77	77				1 386	1 386		21	21
STRAIN/SPRAIN		3		3	3	7	7				7	7		2	1 502
MULTIPLE INJURIES	1	3		4	4	11	11	6 000			35	35		18	18
OTHER INJURY NEC		2		2	2	2	2				786	786		56	56
UNCLASSIFIED (NO DATA)		14		14	14	5	19								
TOTAL OR AVERAGE	3	1	145	146	149	63	212	18 000	75		3 599	3 674	75	25	145
SURFACE MINES															
OPEN PIT															
ASPHYXIATION/POISONING	1	1		1	1	1	1	6 000			75	75	75		75
BURN/SCALD (HOT CHEM.)		3		3	3	3	3				26	26		9	6 000
CHEMICAL BURN		1		1	1	1	1	6 000			3	3		3	3
CONTUSION OR BRUISE	1	16		17	17	26	26				187	187		12	364
CUT OR PUNCTURE		10		10	10	27	27				504	504		50	50
DUST IN EYE		1		1	1	5	5				2	2		2	2
FRACTURE		23		23	23	26	26				625	625		27	27
POISONING (SYSTEMIC)		3		3	3	2	2				19	19		6	6
RADIATION/ULTRA VIOLET		3		3	3	4	4				9	9		3	3
SCRATCH/ABRASION		66		66	66	77	77				1 386	1 386		21	21
STRAIN/SPRAIN		3		3	3	7	7				7	7		2	1 502
MULTIPLE INJURIES	1	3		4	4	11	11	6 000			35	35		18	18
OTHER INJURY NEC		2		2	2	2	2				786	786		56	56
UNCLASSIFIED (NO DATA)		14		14	14	5	19								
TOTAL OR AVERAGE	3	1	145	146	149	63	212	18 000	75		3 599	3 674	75	25	145

TABLE 11. NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1987 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY			
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	TOTAL INJURIES	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFI	
		PERMANENT	TEMPORARY	TOTAL NFI					TOTAL	PARTIAL						
TOTAL OR AVERAGE MINING																
AMPUTATION/RESECTION	1	3	3	3	3	3	3	6 000	200	1 287	2	200	67	6 000	67	2
ASPHYXIATION/CHOKING																8
BURN/SCALD (NOT CHEM)		4	4	4	4	4	4									3
CHEMICAL BURN		1	1	1	1	1	1	6 000						6 705	27	248
CONTUSION OR BRUISE	1	26	26	27	27	27	27							538	28	28
CUT OR PUNCTURE		19	19	19	19	19	19									2
DISLOCATION																2
DUST IN EYE		1	1	1	1	1	1									40
FRACTURE		32	32	32	32	32	32			150	2		50			50
HERNIA (NOT DISC)		3	3	3	3	3	3									6
POISONING (SYSTEMIC)																3
RADIATION/ALPHA RAY		3	3	3	3	3	3							1 765	23	23
SCALD/ABRASION		3	3	3	3	3	3							6 667	607	607
STRAIN/SPRAIN		78	78	78	78	78	78	6 000						35	18	18
SUNBURN		9	9	9	9	9	9							871	51	51
MULTIPLE INJURIES	1	2	2	2	2	2	2									2
OTHER INJURY, NEC		17	17	17	17	17	17									116
UNCLASSIFIED (NO DATA)																
TOTAL OR AVERAGE	3	6	195	201	204	192	306	18 000		350	5 333	5 683	58	23 683	27	116
INDEPENDENT SHOPS																
CUT OR PUNCTURE		1	1	1	1	1	1							1	55	1
FRACTURE																28
TOTAL OR AVERAGE			2	2	2	2	2				56	56				
PROCESSING PLANTS																
AMPUTATION/RESECTION		3	3	3	3	3	3							685	228	228
BURN/SCALD (NOT CHEM)		2	2	2	2	2	2							250	125	125
CHEMICAL BURN		7	7	7	7	7	7							24	17	17
CONTUSION OR BRUISE		21	21	21	21	21	21							347	8	8
CUT OR PUNCTURE		16	16	16	16	16	16							129	27	27
DERMATITIS																1
DISLOCATION		1	1	1	1	1	1							3	2	2
DUST IN EYE		2	2	2	2	2	2							3	2	2
ELECTRIC SHOCK		1	1	1	1	1	1							1	1	1
FRACTURE		18	18	18	18	18	18							660	37	37
HEARING IMPAIRMENT		1	1	1	1	1	1							9	9	9
HERNIA (NOT DISC)														150	50	50
RADIATION/ALPHA RAY		3	3	3	3	3	3							150	75	75
SCALD/ABRASION		1	1	1	1	1	1							2	2	2
STRAIN/SPRAIN		2	2	2	2	2	2							10	5	5
SUNBURN		63	63	63	63	63	63							798	13	13
MULTIPLE INJURIES		16	16	16	16	16	16							723	45	45
OTHER INJURY, NEC		1	1	1	1	1	1							1	1	1
UNCLASSIFIED (NO DATA)		3	3	3	3	3	3							110	37	37
TOTAL OR AVERAGE		6	155	161	161	137	298			835	3 094	3 929	135	3 929	20	24

TABLE 11. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY AVERAGE LOCATION AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1993 (CONTINUED)

AVERAGE LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL			NON-FATAL			TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	FATAL AND NON-FATAL	FATAL			NON-FATAL			
	TOTAL	PERMANENT		TEMPORARY	TOTAL NON-FATAL	TOTAL FATAL AND NON-FATAL				TOTAL FATAL AND NON-FATAL	PERMANENT		TEMPORARY	TOTAL NON-FATAL	TOTAL FATAL AND NON-FATAL	
		TOTAL	PERMANENT													
TOTAL OR AVERAGE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
ALL MINES AND PLANTS	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
ASPHALT/PAVEMENT	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
BLAST/SCALD (HOT ORE)	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CHEMICAL BURN	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CONSTRUCTION OR PROUSE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CUT OR PUNCTURE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
DERMATITIS	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
DISLOCATION	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
DUST IN EYE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
ELECTRIC SHOCK	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
FRACTURE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
HEARING IMPAIRMENT	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
HEAVY (NOT DISC)	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
POISONING (SYSTEMIC)	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
RADIATION/OTHER VIOLET	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
SCALD/ABRASION	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
STRAIN/SPRAIN	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
MULTIPLE INJURIES	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
OTHER FALL, ETC.	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UNCLASSIFIED (NO DATA)	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
TOTAL OR AVERAGE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
OFFICE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CUT OR PUNCTURE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
DUST IN EYE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
STRAIN/SPRAIN	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UNCLASSIFIED (NO DATA)	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
TOTAL OR AVERAGE	1	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6

TABLE 11. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFI			TOTAL FATAL AND NFI	NFI	FATAL	NFI			TOTAL FATAL AND NFI	PERMANENT PARTIAL	TEMP PARTIAL	TOTAL FATAL AND NFI	
		PERMANENT	TOTAL					TEMP PARTIAL	TOTAL						
			TOTAL	PARTIAL											
										TOTAL					PARTIAL
GRAND TOTAL OR AVERAGE	3	12	367	370	241	18,000	1,185	8,497	9,502	27,582	95	24	75		
ASPHALTATION/PAVING	1	6	6	36	6	6,000	885	280	280	885	5,000	47	148	148	
ASPHYLATION/CRACKING															
BURN/SCALD (NOT CHEM)	1	6	6	42	42	6,000	1,052	1,052	1,052	7,552	22	22	22	22	
CHEMICAL BURN															
CONCUSSION OR BLOW															
CUT OR PUNCTURE															
DERMATITIS															
DISLOCATION															
DUST IN EYE															
ELECTRIC SHOCK															
FRACTURE															
HEARING IMPAIRMENT															
HERNIA (NOT DISC)															
POISONING (SYSTEMIC)															
RADIATION/OTHER VIOLET															
SCALD/ABRASION															
STRAIN/SPRAIN	1	6	6	42	42	6,000	2,965	2,965	2,965	6,790	36	36	36	36	
MULTIPLE INJURIES															
OTHER INJURY NEC															
UNCLASSIFIED (NO DATA)															
TOTAL OR AVERAGE	3	12	367	370	241	18,000	1,185	8,497	9,502	27,582	95	24	75		

TABLE 12. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY PART OF BODY INJURED AND NATURE OF INJURY AT CONTRIBUTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL			NON-FATAL			FATAL			NON-FATAL			PERMANENT INJURY	TOTAL FATAL AND NON-FATAL
	PERMANENT		TEMPORARY	TOTAL FATAL AND NON-FATAL	TOTAL FATAL AND NON-FATAL	TOTAL INJURIES	PERMANENT		TEMPORARY	TOTAL FATAL AND NON-FATAL				
	TOTAL	PARTIAL					TOTAL	PARTIAL						
EAR														
BURN/SCALD (NOT DEEP)														
CONTUSION OR BRUISE														
CUT OR PUNCTURE														
HEARING IMPAIRMENT														
OTHER INJURY, NEC.														
TOTAL OR AVERAGE														
EYE														
BURN/SCALD (NOT DEEP)														
CHEMICAL BURN														
CONTUSION OR BRUISE														
CUT OR PUNCTURE														
DUST IN EYE														
RADIATION/ALTRA VIOLET														
SCALD/ABRASION														
MULTIPLE INJURIES														
OTHER INJURY, NEC.														
TOTAL OR AVERAGE														
FACE, NEC.														
CHEMICAL BURN														
CUT OR PUNCTURE														
MULTIPLE INJURIES														
UNCLASSIFIED (NO DATA)														
TOTAL OR AVERAGE														
HEAD														
CUT OR PUNCTURE														
SCALD														
CONTUSION OR BRUISE														
OTHER INJURY, NEC.														
TOTAL OR AVERAGE														
ARM														
CUT OR PUNCTURE														
SCALD														
CONTUSION OR BRUISE														
OTHER INJURY, NEC.														
TOTAL OR AVERAGE														
LEG														
CUT OR PUNCTURE														
SCALD														
CONTUSION OR BRUISE														
OTHER INJURY, NEC.														
TOTAL OR AVERAGE														
TOE														
CUT OR PUNCTURE														
SCALD														
CONTUSION OR BRUISE														
OTHER INJURY, NEC.														
TOTAL OR AVERAGE														

TABLE 12 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL
		PERMANENT	TOTAL						TEMPO RARY	TOTAL NFDL					
			TOTAL	PARTIAL											
HEAD, NEC CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE			1 1 2 3	1 1 2 3	1 1 2 3	1 3 4 7			3 33 36	3 33 36	3 33 36		3 16 12	3 16 12	
NECK FRACTURE STRAIN/SPRAIN OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE			1 8 1 10	1 8 1 10	1 8 1 10	1 3 1 4			26 124 28 178	26 124 28 178	26 124 28 178		26 16 28 18	26 16 28 18	
UPPER ARM CUT OR PUNCTURE TOTAL OR AVERAGE						1 1									
ELBOW CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE			2 1 2 5	2 1 2 5	2 1 2 5	2 2 1 3			24 35 12 71	24 35 12 71	24 35 12 71		12 35 6 14	12 35 6 14	
FOREARM CUT OR PUNCTURE RADIATION/ULTRA VIOLET TOTAL OR AVERAGE						4 1 4									
WRIST CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE			1 1 5 7 15	1 1 5 7 15	1 1 5 7 15	1 4 5 7 19			23 5 143 42 225	23 5 143 42 225	23 5 143 42 225		23 5 29 6 12 15	23 5 29 6 12 15	

TABLE 12 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
		PERMANENT	TEMPO- RARY	TOTAL NFDL					PERMANENT	PARTIAL	TOTAL NFDL							
																TOTAL	PARTIAL	TOTAL
HAND BURN/SCALD (NOT CHEM) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE TOTAL OR AVERAGE		1 4 5 5 15	1 4 5 5 15	1 4 5 5 15	1 2 5 5 8	1 6 10 5 23					14 109 86 91 300		14 27 17 18 20	14 27 17 18 20				
FINGER(S) AMPUTATION/ENGULFMENT CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE		5 7 10 2 4 1 5	5 7 10 2 4 1 5	5 7 10 2 4 1 5	9 38 1 6 2 4 2	5 46 16 4 8 1 2			435		435 19 84 151 19 34 14	87	4 12 15 10 8 14	4 12 15 10 8 14				
UPPER EXTREMITIES, NEC CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE		1 3 1 1 6	1 3 1 1 6	1 3 1 1 6	1 2 3 1 5	1 2 3 1 11			435		23 316 62 1 402		23 105 62 1 67	23 105 62 1 67				
ABDOMEN BURN/SCALD (NOT CHEM) CONTUSION OR BRUISE STRAIN/SPRAIN TOTAL OR AVERAGE		1 1 2 4	1 1 2 4	1 1 2 4	1 1 1 4	1 3 2 5					6 3 2 11		6 3 1 3	6 3 1 3				
BACK CONTUSION OR BRUISE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE		2 2 70 1 6 81	2 2 70 1 6 81	2 2 70 1 6 81	2 2 21 1 6 81	2 2 91 1 6 102					66 277 1,279 18 206 1,846		33 136 1,279 18 206 1,846	33 136 1,279 18 206 1,846				

TABLE 12 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFIL			TOTAL FATAL AND NFIL	NDI	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL		
		PERMANENT	TEMPO- RARY	TOTAL NFIL					PERMANENT		TEMPO- RARY					TOTAL NFIL	
									TOTAL	PARTIAL							
CHEST																	
CONTUSION OR BRUISE	-	-	3	3	3	-	3	-	-	-	276	-	276	-	92	92	
FRACURE	-	-	1	1	1	1	2	-	-	-	20	-	20	-	20	20	
TOTAL OR AVERAGE	-	-	4	4	4	1	5	-	-	-	296	-	296	-	74	74	
PELVIC REGION																	
BURN/SCALD (NOT CHEM)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	8	8
CONTUSION OR BRUISE	-	-	1	1	1	2	3	-	-	-	8	-	8	-	8	90	
FRACURE	-	6	1	6	6	-	6	-	-	300	300	-	300	-	50	50	
HERNIA (NOT DISC)	-	-	5	5	5	-	5	-	-	-	75	-	75	-	15	15	
STRAIN/SPRAIN	-	-	2	2	2	-	2	-	-	-	500	-	500	-	250	250	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	300	300	-	300	-	-	-	
TOTAL OR AVERAGE	-	6	9	15	15	3	18	-	-	-	973	-	973	-	50	75	65
SHOULDER(S)																	
CONTUSION OR BRUISE	-	-	3	3	3	-	3	-	-	-	51	-	51	-	17	17	
DISLOCATION	-	-	7	7	7	1	8	-	-	-	190	-	190	-	27	27	
STRAIN/SPRAIN	-	-	2	2	2	2	2	-	-	-	27	-	27	-	14	14	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	268	-	268	-	22	22	
TOTAL OR AVERAGE	-	-	12	12	12	2	14	-	-	-	268	-	268	-	22	22	
TRUNK, NEC																	
CONTUSION OR BRUISE	-	-	1	1	1	-	1	-	-	-	2	-	2	-	2	2	
STRAIN/SPRAIN	-	-	1	1	1	1	1	-	-	-	3	-	3	-	3	3	
TOTAL OR AVERAGE	-	-	2	2	2	2	2	-	-	-	5	-	5	-	2	2	
THIGH																	
CONTUSION OR BRUISE	-	-	2	2	2	-	2	-	-	-	22	-	22	-	11	11	
CUT OR PUNCTURE	-	-	1	1	1	1	2	-	-	-	1	-	1	-	1	1	
DERMATITIS	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	3	3	3	2	5	-	-	-	23	-	23	-	8	8	
KNEE																	
CONTUSION OR BRUISE	-	-	5	5	5	3	8	-	-	-	55	-	55	-	11	11	
CUT OR PUNCTURE	-	-	1	1	1	2	3	-	-	-	117	-	117	-	117	117	
DISLOCATION	-	-	1	1	1	-	1	-	-	-	27	-	27	-	27	27	
FRACURE	-	-	4	4	4	4	4	-	-	-	170	-	170	-	42	42	
STRAIN/SPRAIN	-	-	13	13	13	3	16	-	-	-	530	-	530	-	41	41	
MULTIPLE INJURIES	-	-	1	1	1	2	3	-	-	-	1	-	1	-	1	1	
OTHER INJURY, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	4	4	4	1	5	-	-	-	90	-	90	-	22	22	
TOTAL OR AVERAGE	-	-	29	29	29	12	41	-	-	-	990	-	990	-	34	34	

TABLE 12 -- NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					PERMANENT	PARTIAL	TOTAL					
																TOTAL
LOWER LEG: CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS TOTAL OR AVERAGE	- - - - -	1 - - 1 -	1 - - 1 -	1 - - 1 -	1 - - 1 -	1 - 1 1 4	- - - - -	- - - - -	2 - - 2 -	2 - - 2 -	2 - - 2 -	2 - - 2 -	- - - - -	2 - - 2 -	2 - - 2 -	
ANKLE: CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - -	2 3 19 2 1 - 27	2 3 19 2 1 - 27	2 3 19 2 1 - 27	2 3 19 2 1 - 27	2 3 24 2 1 1 33	- - - - - - -	- - - - - - -	16 61 196 21 21 - 315	16 61 196 21 21 - 315	16 61 196 21 21 - 315	16 61 196 21 21 - 315	- - - - - - -	8 20 10 10 21 - 12	8 20 10 10 21 - 12	
FOOT: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - -	2 1 6 2 7 1 19	2 1 6 2 7 1 19	2 1 6 2 7 1 19	2 1 6 2 7 1 19	3 1 7 5 11 3 32	- - - - - - -	- - - - - - -	250 7 87 9 382 19 754	250 7 87 9 382 19 754	250 7 87 9 382 19 754	250 7 87 9 382 19 754	- - - - - - -	125 7 14 4 55 19 - 40	125 7 14 4 55 19 - 40	
TOE(S): AMPUTATION/ENUCLEATION CONTUSION OR BRUISE FRACTURE TOTAL OR AVERAGE	- - - -	- - 2 -	- - 2 -	- - 2 -	- - 2 -	1 1 2 4 6	- - - - -	- - - - -	- - 450 -	- - 450 -	- - 450 -	- - 450 -	- - 450 -	- - 23 -	- - 23 -	450 - 23 -
LOWER EXTREMITIES, NEC: CUT OR PUNCTURE FRACTURE SCRATCH/ABRASION MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - -	1 2 1 1 1 6	1 2 1 1 1 6	1 2 1 1 1 6	1 2 1 1 1 6	1 3 1 1 2 8	- - - - - -	- - - - - -	1 62 3 3 1 70	1 62 3 3 1 70	1 62 3 3 1 70	1 62 3 3 1 70	- - - - - -	1 31 3 3 1 12	1 31 3 3 1 12	
BODY SYSTEMS: ASPHYXIATION/CHOKING ELECTRIC SHOCK POISONING (SYSTEMIC) OTHER INJURY, NEC TOTAL OR AVERAGE	1 - - - 1 -	- 1 1 1 1 2	- 1 1 1 1 2	- 1 1 1 1 2	- 1 1 1 1 2	1 1 2 2 1 5	6,000 - - - - 6,000	6,000 - - - - 6,000	- 1 1 1 1 2	- 1 1 1 1 2	- 1 1 1 1 2	- 1 1 1 1 2	- 1 1 1 1 2	- 1 1 1 1 2	6,000 1 1 1 1 2,001	6,000 1 1 1 1 2,001

TABLE 12 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL				TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY	TOTAL NFDL										
		TOTAL	PARTIAL												
									TOTAL	PARTIAL					
MULTIPLE PARTS OF BODY BURN/SCALD (NOT CHEM) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS FRACTURE RADIATION/ULTRA VIOLET SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- 1 - - - - - - 1 - 2	- 1 6 2 3 - - - - 1 32	1 1 6 2 - 3 1 5 12 1 32	1 7 2 - 3 - - 13 34	1 2 3 1 3 1 2 6 1 1 34	2 3 10 2 1 3 1 7 15 3 52	6 000 6 000 12 000	- 1 215	10 3 270 6 130 130 9 31 680 76 1 215	10 3 45 3 43 43 9 16 57 76 38	- 148	10 3 3 3 - - - - - - - - 22 22	10 3 896 3 - - - - 9 6 514 76 389		
UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- -	- -	1 1	1 1	1 1	1 1	1 1	- -	- -	22 22	22 22	22 22	- -	22 22	22 22
TOTAL OR AVERAGE	1	6	6	6	6	6	6 000	6 000	885	885	885	885	148	47	148
AMPUTATION/ENGULFMENT ASPHYXIATION/CHOKING BURN/SCALD (NOT CHEM) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION DUST IN EYE ELECTRIC SHOCK FRACTURE HEARING IMPAIRMENT HEPATOMA (NOT DISC) POISONING (SYSTEMIC) RADIATION/ULTRA VIOLET SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - 1 - - - - - - - - - - - - 1 - - 3	- - 6 8 47 36 - - 1 4 1 -													

TABLE 13 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE			
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	
UNDERGROUND MINES																																		
UNDERGROUND																																		
ALASKA																			1						2	3		2	1					
ARIZONA																1	1								3	1		1						
IDAHO																																		
MISSOURI																																		
MONTANA																																		
NEVADA																2	2		1	3					3	1				2				
NEW MEXICO																																		
WASHINGTON				1																					1									
TOTAL				1												3	3		1	5					9	6		3	4					
SURFACE AT UG																																		
ARIZONA																									1	2		1						
MISSOURI																									1					1				
MONTANA																									1					1				
NEVADA																									1	1				1				
SOUTH DAKOTA																									1					1				
WASHINGTON																																		
TOTAL																									3	3		3	1					
TOTAL UNDERGROUND																																		
ALASKA																			1						2	3		2	1					
ARIZONA																1	1								4	3		2						
IDAHO																																		
MISSOURI																																		
MONTANA																																		
NEVADA																2	2		1	3					4	1				3				
NEW MEXICO																																		
SOUTH DAKOTA				1																														
WASHINGTON																									1	1				1				
TOTAL				1												3	3		1	5					12	9		6	5					
SURFACE MINES																																		
OPEN PIT																																		
ALASKA																																		
ARIZONA																									4	5		3	1					
CALIFORNIA																									3	2		1	3					
COLORADO																																		
IDAHO																																		
MONTANA													1																					
NEVADA																																		
NEW MEXICO				1																				1	2	16	4		9	8				
SOUTH CAROLINA																																		
SOUTH DAKOTA																																		
TEXAS																																		
UTAH				1																														
WISCONSIN																																		
TOTAL				1									1											1	2	33	16		17	13				

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPOUNDMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
UNDERGROUND MINES																																	
ALASKA																																	
ARIZONA																																	
IDAHO																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
WASHINGTON																																	
TOTAL																																	
SURFACE AT UG																																	
ARIZONA																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
SOUTH DAKOTA																																	
WASHINGTON																																	
TOTAL																																	
TOTAL UNDERGROUND																																	
ALASKA																																	
ARIZONA																																	
IDAHO																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
SOUTH DAKOTA																																	
WASHINGTON																																	
TOTAL																																	
SURFACE MINES																																	
OPEN PIT																																	
ALASKA																																	
ARIZONA																																	
CALIFORNIA																																	
COLORADO																																	
IDAHO																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
SOUTH CAROLINA																																	
SOUTH DAKOTA																																	
TEXAS																																	
UTAH																																	
WISCONSIN																																	
TOTAL																																	

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL SURFACE																						
ALASKA																						
ARIZONA																	4	5	3	1		
CALIFORNIA																	3	2	1	3		
COLORADO																						
IDAHO																						
MONTANA																						
NEVADA																	16	4	9	8		
NEW MEXICO																	2	1	1	1		
SOUTH CAROLINA																	4	3	1	1		
SOUTH DAKOTA																	1	1	1	1		
TEXAS																	2	2	1	1		
UTAH																						
WISCONSIN																						
TOTAL	1	1							1						1	2	33	16	17	13		
TOTAL MINING																						
ALASKA																						
ARIZONA																	2	3	2	1		
CALIFORNIA																	8	8	5	1		
COLORADO																	3	2	1	3		
IDAHO																						
MISSOURI																						
MONTANA																						
NEVADA																	4	1	10	3		
NEW MEXICO																	16	4	4	8		
SOUTH CAROLINA																	2	1	1	1		
SOUTH DAKOTA																	1	1	1	1		
TEXAS																	5	4	1	1		
UTAH																	1	1	1	1		
WASHINGTON																	2	2	1	1		
WISCONSIN																	1	1	1	1		
TOTAL	1	2							1		3	3	1	5	1	2	45	25	23	18		
INDEPENDENT SHOPS																						
MISSOURI																						
TOTAL																						
PROCESSING PLANTS																						
ARIZONA																						
ARKANSAS																						
CALIFORNIA	2																21	12	12	7		1
COLORADO																	6	4	1	1		
IDAHO																	1	2				
LOUISIANA																						
MINNESOTA																						
MONTANA																						
NEVADA																	10	7	1	1		2
NEW MEXICO																	5	1	1	1		1
SOUTH CAROLINA																	11	8	5	3		3
TEXAS																	8	9	1	9		
UTAH																	1	1	1	1		
VIRGIN ISLANDS																						
WASHINGTON																						
TOTAL	2																65	51	23	24		1

TABLE 13 · NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONSTRUCTION METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INMUNITION		MACHINERY		SLIP OR FALL OF PERSON		STEEPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL SURFACE																						
ALASKA																						
ARIZONA																						
CALIFORNIA	1	5									5	2									2	10
COLORADO		2									5										1	9
IDAHO																						
MONTANA		2																				
NEVADA		1																				
NEW MEXICO		15									7	4									63	27
SOUTH CAROLINA		1																			5	2
SOUTH DAKOTA		5									1										2	9
TEXAS		1									1										1	9
UTAH		2																			15	6
WASHINGTON																					3	1
TOTAL	2	34									19	8									146	63
TOTAL MINING																						
ALASKA																						
ARIZONA																						
CALIFORNIA	1	6									3	4									11	7
COLORADO		2									12	2									45	20
IDAHO											5										15	9
MISSOURI		2									1	1									3	3
MONTANA																						
NEVADA		16									1	2									18	14
NEW MEXICO	1	3									9	4									69	29
SOUTH CAROLINA																					2	4
SOUTH DAKOTA		5									1										2	10
TEXAS		1									1										16	5
UTAH		2																			6	2
WASHINGTON																					3	1
TOTAL	2	39									32	13									201	102
INDEPENDENT SHOPS MISSOURI																						
TOTAL																					2	2
PROCESSING PLANTS																						
ARIZONA																						
ARKANSAS																						
CALIFORNIA		2									10	12									51	41
COLORADO											1										4	4
IDAHO		1									1	1									9	7
LOUISIANA											2										3	3
MINE SOTA																					5	5
MONTANA																					1	1
NEVADA		1									3	5									19	19
NEW MEXICO																					7	3
SOUTH CAROLINA																					4	4
TEXAS		2									6	7									30	21
UTAH		1									5	6									18	30
VIRGIN ISLANDS																					2	2
WASHINGTON																					1	1
TOTAL	7	2									28	34									161	137

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			MONOPERED EQUIPMENT		
	FTL	MEI	NOI	FTL	MEI	NOI	FTL	MEI	NOI	FTL	MEI	NOI	FTL	MEI	NOI	FTL	MEI	NOI	FTL	MEI	NOI	FTL	MEI	NOI	FTL	MEI	NOI	FTL	MEI	NOI	FTL	MEI	NOI
TOTAL MINES AND PLANTS																																	
ALASKA																																	
ARIZONA																																	
ARKANSAS																																	
CALIFORNIA																																	
COLORADO																																	
IDAHO																																	
LOUISIANA																																	
MINNESOTA																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
SOUTH CAROLINA																																	
SOUTH DAKOTA																																	
TEXAS																																	
UTAH																																	
VIRGIN ISLANDS																																	
WASHINGTON																																	
WISCONSIN																																	
TOTAL	3	2					1	1					1			3	3		1	5		1	2		110	76		46	42		1		
OFFICE																																	
NEVADA																																	
TEXAS																																	
TOTAL																																	
GRAND TOTAL																																	
ALASKA																																	
ARIZONA																																	
ARKANSAS																																	
CALIFORNIA																																	
COLORADO																																	
IDAHO																																	
LOUISIANA																																	
MINNESOTA																																	
MISSOURI																																	
MONTANA																																	
NEVADA																																	
NEW MEXICO																																	
SOUTH CAROLINA																																	
SOUTH DAKOTA																																	
TEXAS																																	
UTAH																																	
VIRGIN ISLANDS																																	
WASHINGTON																																	
WISCONSIN																																	
TOTAL	3	2					1	1					1			3	3		1	5		1	2		111	76		46	43		1		

TABLE 14 - NUMBER OF LOST HOURS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL	FTL	WFL
UNDERGROUND MINES																						
UNDERGROUND																						
ALASKA																					118	
ARIZONA		10									29		7		26						224	
ARIZONA		212									29		107		24						1 171	
MONTANA		30									12		427								96	
NEVADA		91									13		51								91	
NEW MEXICO													26								104	
WASHINGTON																						
TOTAL		345									83		591		50						1 804	
SURFACE AT UG																						
ARIZONA											34		30								79	
MONTANA													37								38	
NEVADA																					55	
SOUTH DAKOTA																					28	
WASHINGTON																					5	
TOTAL											34		67								205	
TOTAL UNDERGROUND																						
ALASKA																					118	
ARIZONA		10									29		7		26						303	
ARIZONA		212									63		107		24						1 209	
MONTANA		30									12		464								151	
NEVADA		91									13		51								91	
NEW MEXICO																					28	
SOUTH DAKOTA													29								109	
WASHINGTON																						
TOTAL		345									117		658		50						2 009	
SURFACE MINES																						
OPEN PIT																						
ALASKA																					105	
ARIZONA		134									142		105								1 001	
CALIFORNIA		7									46		526								469	
COLORADO													77								10	
IDaho													10								229	
MONTANA		197											32								57	
NEVADA		4											53								6 000	
NEW MEXICO		308									66		238		47						1 302	
SOUTH CAROLINA		2											4								68	
SOUTH DAKOTA																					64	
TEXAS		59											223								369	
UTAH		21									6										35	
UTAH		24									2										45	
TOTAL		756									262		1 369		49						6 18 000	

TABLE 14 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPODERED HAULAGE	
	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL	FTL	MFOL
TOTAL SURFACE																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
IDAHO																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TEXAS																						
UTAH																						
TOTAL																						
TOTAL MINING																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
IDAHO																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TEXAS																						
UTAH																						
WASHINGTON																						
TOTAL																						
INDEPENDENT SHOPS																						
MISSOURI																						
TOTAL																						
PROCESSING PLANTS																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
IDAHO																						
MINE SOTA																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
SOUTH CAROLINA																						
TEXAS																						
UTAH																						
VIRGIN ISLANDS																						
WASHINGTON																						
TOTAL																						

TABLE 14. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL SURFACE:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	105	-	-	-	-	-	-	-	105	-
ARIZONA	-	134	-	-	-	-	-	-	-	-	142	626	-	-	-	-	-	-	-	-	1,001	-
CALIFORNIA	6,000	7	-	-	-	-	-	-	-	-	46	77	-	-	-	-	-	-	6,000	-	469	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	10	-
IDAHO	-	197	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	229	-
MONTANA	-	4	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	6,000	-	57	-
NEVADA	6,000	308	-	-	-	-	-	-	-	-	66	239	-	47	-	-	-	-	6,000	-	1,002	-
NEW MEXICO	-	2	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	6,000	-	68	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-
SOUTH DAKOTA	-	59	-	-	-	-	-	-	-	-	6	223	-	-	-	-	-	6	-	-	569	-
TEXAS	-	21	-	-	-	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-	55	-
UTAH	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-
TOTAL	12,000	756	-	-	-	-	-	-	-	-	262	1,369	-	49	-	-	-	6	18,000	-	3,674	-
TOTAL MINING:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	29	112	-	26	-	-	-	-	-	-	223	-
ARIZONA	-	144	-	-	-	-	-	-	-	-	205	733	-	24	-	-	-	-	-	-	1,304	-
CALIFORNIA	6,000	7	-	-	-	-	-	-	-	-	46	77	-	-	-	-	-	-	6,000	-	469	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	10	-
IDAHO	-	197	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	229	-
MONTANA	-	216	-	-	-	-	-	-	-	-	12	517	-	-	-	-	-	-	6,000	-	1,266	-
NEVADA	6,000	340	-	-	-	-	-	-	-	-	79	290	-	47	-	-	5	-	6,000	-	1,153	-
NEW MEXICO	-	93	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	6,000	-	159	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-
SOUTH DAKOTA	-	59	-	-	-	-	-	-	-	-	6	223	-	-	-	-	-	6	-	-	597	-
TEXAS	-	21	-	-	-	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-	55	-
UTAH	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	109	-
TOTAL	12,000	1,101	-	-	-	-	-	-	-	-	379	2,027	-	99	-	5	-	6	18,000	-	5,683	-
INDEPENDENT SHOPS:																						
MISSOURI	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	56	-
TOTAL	-	-	-	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	56	-
PROCESSING PLANTS:																						
ARIZONA	-	7	-	-	-	-	-	-	-	-	56	398	-	3	-	-	-	-	-	-	1,493	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	3	-	-	-	51	-
COLORADO	-	-	-	-	-	-	-	-	-	-	62	1	-	-	-	-	-	-	-	-	113	-
IDAHO	-	8	-	-	-	-	-	-	-	-	205	50	-	-	-	-	-	1	-	-	264	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-	-	-	450	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-
NEVADA	-	22	-	-	-	-	-	-	-	-	50	25	-	-	-	-	-	11	-	-	243	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	32	-	-	118	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	31	-
TEXAS	-	16	-	10	-	-	-	-	-	-	43	94	-	-	-	-	-	-	-	-	740	-
UTAH	-	3	-	-	-	-	-	-	-	-	132	30	-	-	-	-	-	-	-	-	340	-
VIRGIN ISLANDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-
TOTAL	-	56	-	10	-	-	-	-	-	-	549	1,088	-	3	-	3	-	44	-	-	3,929	-

TABLE 14 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONEMPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS																						
ALASKA	-	451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	499	5	242	-	4
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	80	306	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	286	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	303	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	518	-	-	-	-	-
UTAH	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	173	-	-	-	-	-
VIRGIN ISLANDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	-	-	-	-
TOTAL	-	464	-	-	-	1	-	-	6,000	-	263	-	3	-	10	-	2,632	-	-	865	-	4
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
GRAND TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	499	5	242	-	4
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	80	306	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	286	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	477	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	303	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	518	-	-	-	-	-
UTAH	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	173	-	-	-	-	-
VIRGIN ISLANDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	-	-	-	-
TOTAL	-	464	-	-	-	1	-	-	6,000	-	263	-	3	-	10	-	2,634	-	-	865	-	4

TABLE 14 - NUMBER OF LOST HOURS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND STATE AT CONTRACTIONS METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
TOTAL MINES AND PLANTS:																						
ALASKA	-	151	-	-	-	-	-	-	-	-	29	112	-	-	26	-	-	-	-	-	223	-
ARIZONA	6,000	7	-	-	-	-	-	-	-	-	261	1,131	-	-	27	-	3	-	-	-	2,797	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	47	11	-	-	-	-	-	-	-	-	520	-
COLORADO	-	-	-	-	-	-	-	-	-	-	62	77	-	-	-	-	-	-	-	-	123	-
IDAHO	-	205	-	-	-	-	-	-	-	-	205	450	-	-	-	-	-	-	-	-	493	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	56	517	-	-	-	-	-	-	-	-	56	-
MONTANA	-	216	-	-	-	-	-	-	-	-	12	315	-	-	47	-	-	-	-	-	1,274	-
NEVADA	6,000	362	-	-	-	-	-	-	-	-	129	377	-	-	-	-	-	-	-	-	1,395	-
NEW MEXICO	-	93	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	277	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	6	223	-	-	-	-	-	-	-	-	65	-
SOUTH DAKOTA	-	59	-	-	-	-	-	-	-	-	45	94	-	-	2	-	-	-	-	-	597	-
TEXAS	-	37	-	10	-	-	-	-	-	-	132	30	-	-	-	-	-	-	-	-	795	-
UTAH	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	385	-
VIRGIN ISLANDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	141	-
TOTAL	12,000	1,157	-	10	-	-	-	-	-	-	984	3,115	-	-	102	-	8	-	-	50	18,000	9,668
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	14	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	14	-
GRAND TOTAL:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	29	112	-	-	26	-	-	-	-	-	223	-
ARIZONA	6,000	151	-	-	-	-	-	-	-	-	261	1,131	-	-	27	-	-	-	-	-	2,797	-
CALIFORNIA	-	7	-	-	-	-	-	-	-	-	47	11	-	-	-	-	-	-	-	-	520	-
COLORADO	-	-	-	-	-	-	-	-	-	-	62	77	-	-	-	-	-	-	-	-	123	-
IDAHO	-	205	-	-	-	-	-	-	-	-	205	450	-	-	-	-	-	-	-	-	493	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	56	517	-	-	-	-	-	-	-	-	56	-
MONTANA	-	216	-	-	-	-	-	-	-	-	12	315	-	-	-	-	-	-	-	-	1,274	-
NEVADA	6,000	362	-	-	-	-	-	-	-	-	129	377	-	-	47	-	-	-	-	-	1,410	-
NEW MEXICO	-	93	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	277	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	6	223	-	-	-	-	-	-	-	-	95	-
SOUTH DAKOTA	-	59	-	-	-	-	-	-	-	-	45	94	-	-	2	-	-	-	-	-	597	-
TEXAS	-	37	-	10	-	-	-	-	-	-	132	30	-	-	-	-	-	-	-	-	795	-
UTAH	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	385	-
VIRGIN ISLANDS	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	46	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	141	-
TOTAL	12,000	1,157	-	10	-	-	-	-	-	-	984	3,127	-	-	102	-	8	-	-	50	18,000	9,662

TABLE 15. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL	FTL	NFDL	NOL
UNDERGROUND MINES:																																	
UNDERGROUND:																																	
COPPER			1																							2	1			1			
GOLD																									1	1							
LEAD-ZINC																									5	4			2		4		
SILVER																									9	6			3		4		
TOTAL			1																														
SURFACE AT UG:																																	
COPPER																																	
GOLD																																	
LEAD-ZINC																																	
SILVER																																	
TOTAL																																	
TOTAL UNDERGROUND:			1																														
COPPER																																	
GOLD																																	
LEAD-ZINC																																	
SILVER																																	
TOTAL			1																														
SURFACE MINES:																																	
OPEN PIT:																																	
COPPER			1																														
GOLD																																	
LEAD-ZINC																																	
MOLYBDENUM																																	
RARE EARTHS																																	
URANIUM																																	
TOTAL			1																														
TOTAL SURFACE:																																	
COPPER			1																														
GOLD																																	
LEAD-ZINC																																	
MOLYBDENUM																																	
RARE EARTHS																																	
URANIUM																																	
TOTAL			1																														

TABLE 15 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONTINUOUS METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPAIRMENT		INMATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR CLIPPING		OTHER		TOTAL	
	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL	FIL	NFDL
UNDERGROUND MINES																						
UNDERGROUND:																						
COPPER-----	-	2	-	-	-	-	-	-	-	-	3	1	-	3	1	2	-	-	-	-	11	6
GOLD-----	-	-	-	-	-	-	-	-	-	-	1	1	2	1	1	2	-	-	-	-	9	2
LEAD-ZINC-----	-	1	-	-	-	-	-	-	-	-	6	2	4	4	2	1	-	-	-	-	21	20
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	5	-	1	-	-	-	-	-	-	10	3	9	5	2	3	-	-	-	-	42	31
SURFACE AT UG:																						
COPPER-----	-	-	-	-	-	-	-	-	-	-	3	2	-	1	-	-	-	-	-	-	5	4
GOLD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	2
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	2	1
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	3	2	3	2	-	-	1	-	-	-	13	8
TOTAL UNDERGROUND:																						
COPPER-----	-	2	-	-	-	-	-	-	-	-	6	2	4	1	2	2	-	1	-	-	16	10
GOLD-----	-	-	-	-	-	-	-	-	-	-	1	1	2	2	-	2	-	-	-	-	15	3
LEAD-ZINC-----	-	1	-	-	-	-	-	-	-	-	6	2	6	2	-	-	-	-	-	-	23	21
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	5	-	1	-	-	-	-	-	-	13	5	12	7	2	3	-	1	-	-	55	39
SURFACE MINES:																						
OPEN PIT:																						
COPPER-----	-	5	-	-	-	-	-	-	-	-	5	3	9	4	-	-	-	-	-	-	31	15
GOLD-----	-	27	-	3	-	-	-	-	-	-	12	5	23	8	5	-	-	-	-	-	107	46
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	2	1
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
URANIUM-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	5	-
TOTAL-----	-	34	-	3	-	-	-	-	-	-	19	8	34	14	6	-	-	-	-	-	146	63
TOTAL SURFACE:																						
COPPER-----	-	5	-	-	-	-	-	-	-	-	5	3	9	4	-	-	-	-	-	-	31	15
GOLD-----	-	27	-	3	-	-	-	-	-	-	12	5	23	8	5	-	-	-	-	-	107	46
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	2	1
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
URANIUM-----	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	5	-
TOTAL-----	-	34	-	3	-	-	-	-	-	-	19	8	34	14	6	-	-	-	-	-	146	63

TABLE 15 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONTINUOUS METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE, RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HANDTOOL			NONPOWERED HAULAGE			
	FTL	NFDI	NDI	FTL	NFDI	NDI	FTL	NFDI	NDI	FTL	NFDI	NDI	FTL	NFDI	NDI	FTL	NFDI	NDI	FTL	NFDI	NDI	FTL	NFDI	NDI	FTL	NFDI	NDI	FTL	NFDI	NDI	FTL	NFDI	NDI	
TOTAL MINING																																		
COPPER		1	1														1									8	9		6	1				
GOLD			1														1									30	11		14	12				
LEAD ZINC																									1									
MOLYBDENUM																																		
BASE EARTHS																	2		1	4					5	4		2	5					
SILVER																									1			1						
URANIUM																	3		1	5					45	25		23	18					
TOTAL	1		2										1																					
INDEPENDENT SHOPS																																		
LEAD ZINC																																		
TOTAL																																		
PROCESSING PLANTS																																		
ALUMINUM ORE																																		
COPPER	2						1																		10	12		6	3				1	
GOLD																									26	13		12	8					
IRON																									27	23		5	12					
MOLYBDENUM																									1									
BASE EARTHS																																		
SILVER																																		
URANIUM																									2	1			1					
TOTAL	2						1																		65	51		23	24				1	
TOTAL MINES AND PLANTS																																		
ALUMINUM ORE																																		
COPPER	3						1																		10	12		6	3				1	
GOLD			1																						34	22		18	9					
IRON													1												57	34		19	24					
LEAD ZINC																									1									
MOLYBDENUM																																		
BASE EARTHS																	2		1	4				5	4		2	5						
SILVER																									3	1		1						
URANIUM																	3		1	5				110	76		46	42					1	
TOTAL	3		2				1						1																					
OFFICE																																		
ALUMINUM ORE																									1								1	
GOLD																																		
TOTAL																																		

TABLE 15. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL			ENTRAPMENT			EXPLODING VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLL- ING OR SLIDING MATERIAL			FALL OF FACE RIB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPOWERED HAULAGE		
	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL	FTL	NFDL	NDL
GRAND TOTAL																																	
ALUMINUM ORE																									10	12		6	3				
COPPER		3	1						1						1										34	22		18	9			1	
GOLD			1										1												58	34		19	25				
IRON																									1	1							
LEAD-ZINC																										1	1						
MOLYBDENUM																										1	1						
RARE EARTHS																															1		
SILVER																2	2		1	4					5	4		2	5				
URANIUM																									3	1		1					
TOTAL		3	2						1	1			1			3	3		1	5		1	2		111	76		46	43			1	

TABLE 15 NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND TYPE OF MINERAL AT CONSTRUCTION METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE			HOISTING			IGNITION OR EXPLOSION OF GAS OR DUST			IMPINGEMENT			INUNDATION			MACHINERY			SLIP OR FALL OF PERSON			STEPPING OR KNEELING ON OBJECT			STRIKING OR BUMPING			OTHER			TOTAL	
	FTL	MFDL	NOI	FTL	MFDL	NOI	FTL	MFDL	NOI	FTL	MFDL	NOI	FTL	MFDL	NOI	FTL	MFDL	NOI	FTL	MFDL	NOI	FTL	MFDL	NOI	FTL	MFDL	NOI	FTL	MFDL	NOI		
GRAND TOTAL	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7	-	5	1	-	-	-	-	-	-	-	-	3	3	30	26
ALUMINUM ORE	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	21	16	-	26	11	-	-	-	-	-	-	-	1	3	116	57	
COPPER	2	31	5	-	-	-	-	-	-	-	-	-	-	-	-	24	19	-	35	20	-	7	-	-	2	-	-	3	6	182	113	
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	2	3	-	-	-	-	-	-	-	-	-	-	5	2
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	1	3
LEAD/ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	1	4
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	6	3	-	-	-	-	-	-	-	-	-	-	1	3
POOR EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	1	-	-	-	-	-	-	-	-	23	22
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	7	3
SILVER	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2	46	6	-	-	-	-	-	-	-	-	-	-	-	-	62	47	-	76	39	-	9	4	-	2	-	-	4	12	3	367	241

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	7	-	-	-
GOLD-----	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	25	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	232	-	3	-	-	-	336	-	5	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	263	-	3	-	-	-	457	-	12	-	-	-
SURFACE AT UG:																						
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-
GOLD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	55	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	-	61	-	-	-
TOTAL UNDERGROUND:																						
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	13	-	-	-
GOLD-----	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	63	-	55	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	232	-	3	-	-	-	336	-	5	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	263	-	3	-	-	-	495	-	73	-	-	-
SURFACE MINES:																						
OPEN PIT:																						
COPPER-----	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	116	-	-	-
GOLD-----	-	-	-	-	-	-	-	-	6,000	-	-	-	-	-	10	-	653	-	365	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	27	-	-	-
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	13	-	-	-	-	-	-	6,000	-	-	-	-	-	10	-	701	-	508	-	-	-
TOTAL SURFACE:																						
COPPER-----	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	116	-	-	-
GOLD-----	-	-	-	-	-	-	-	-	6,000	-	-	-	-	-	10	-	653	-	365	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	27	-	-	-
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	13	-	-	-	-	-	-	6,000	-	-	-	-	-	10	-	701	-	508	-	-	-

TABLE 16 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES																						
UNDERGROUND																						
COPPER	-	91	-	-	-	-	-	-	-	-	10	77	-	-	-	-	-	-	-	-	-	206
GOLD	-	42	-	-	-	-	-	-	-	-	19	80	-	-	50	-	-	-	-	-	-	247
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75
SILVER	-	212	-	-	-	-	-	-	-	-	54	434	-	-	-	-	-	-	-	-	-	1,276
TOTAL	-	345	-	-	-	-	-	-	-	-	83	591	-	-	50	-	-	-	-	-	-	1,804
SURFACE AT UG																						
COPPER	-	-	-	-	-	-	-	-	-	-	34	30	-	-	-	-	5	-	-	-	-	70
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	-	-	-	37
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	34	67	-	-	-	-	5	-	-	-	-	205
TOTAL UNDERGROUND																						
COPPER	-	91	-	-	-	-	-	-	-	-	44	107	-	-	-	-	-	-	-	-	-	276
GOLD	-	42	-	-	-	-	-	-	-	-	19	80	-	-	50	-	5	-	-	-	-	345
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75
SILVER	-	212	-	-	-	-	-	-	-	-	54	471	-	-	-	-	-	-	-	-	-	1,313
TOTAL	-	345	-	-	-	-	-	-	-	-	117	658	-	-	50	-	5	-	-	-	-	2,009
SURFACE MINES																						
OPEN PIT																						
COPPER	-	136	-	-	-	-	-	-	-	-	142	630	-	-	-	-	-	-	-	-	-	1,082
GOLD	12,000	599	-	-	-	-	-	-	-	-	82	634	-	-	47	-	-	-	6	18,000	-	2,396
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	105	-	-	-	-	-	-	-	-	-	105
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	36
URANIUM	-	21	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-	-	-	55
TOTAL	12,000	756	-	-	-	-	-	-	-	-	262	1,369	-	-	49	-	-	-	6	18,000	-	3,674
TOTAL SURFACE																						
COPPER	-	136	-	-	-	-	-	-	-	-	142	630	-	-	-	-	-	-	-	-	-	1,082
GOLD	12,000	599	-	-	-	-	-	-	-	-	82	634	-	-	47	-	-	-	6	18,000	-	2,396
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	105	-	-	-	-	-	-	-	-	-	105
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-	-	36
URANIUM	-	21	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-	-	-	55
TOTAL	12,000	756	-	-	-	-	-	-	-	-	262	1,369	-	-	49	-	-	-	6	18,000	-	3,674

TABLE 16 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONSTRUCTION METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		EMBODIMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SLICE OR HORIZONTAL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HANDICAP		NONREPORTED INJURY	
	FTL	MDR	FTL	MDR	FTL	MDR	FTL	MDR	FTL	MDR	FTL	MDR	FTL	MDR	FTL	MDR	FTL	MDR	FTL	MDR	FTL	MDR
TOTAL MINING:																						
COPPER		13							6 000		31				10		66		129			
GOLD																	716		420			
LEAD-ZINC																	75					
MOLYBDENUM																						
BAKE EARTHS																						
SILVER											222		3				336		5			
URANIUM																	3		27			
TOTAL		13							6 000		263		3		10		1 196		587			
INDEPENDENT SHOPS:																						
LEAD-ZINC																						
TOTAL																						
PROCESSING PLANTS:																						
ALUMINUM ORE		451															468		103			4
COPPER																	496		141			
GOLD						1											430		40			
IRON																						
MOLYBDENUM																						
BAKE EARTHS																						
SILVER																						
URANIUM																						
TOTAL		451				1											52		284			4
TOTAL MINES AND PLANTS:																						
ALUMINUM ORE																						
COPPER		464															468		103			4
GOLD						1			6 000		31				10		522		270			
IRON																	1 146		460			
LEAD-ZINC																	75					
MOLYBDENUM																						
BAKE EARTHS																						
SILVER											222		3				336		5			
URANIUM																	33		27			
TOTAL		464				1			6 000		263		3		10		2 622		865			4
OFFICE:																						
ALUMINUM ORE																						
GOLD																	2					
TOTAL																	2					

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONSTRUCTION METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	MTD	FTL	MTD	FTL	MTD	FTL	MTD	FTL	MTD	FTL	MTD	FTL	MTD	FTL	MTD	FTL	MTD	FTL	MTD	FTL	MTD
TOTAL MINING:																						
COPPER		227									186	737									1,358	
GOLD	12,000	641									101	714							6		18,000	2,741
LEAD-ZINC												195										180
MOLYBDENUM											36	471										36
RARE EARTHS		212									54											1,313
SILVER		21									2											35
URANIUM																						
TOTAL	12,000	1,101									379	2,027					5		6		18,000	5,683
INDEPENDENT SHOPS:																						
LEAD-ZINC											56											56
TOTAL											56											56
PROCESSING PLANTS:																						
ALUMINUM ORE		16		10							43	94										734
COPPER		10									56	431										1,614
GOLD		30									388	112					3		32			1,016
IRON											62	450							12			450
MOLYBDENUM												1										63
RARE EARTHS																						
SILVER																						
URANIUM																						
TOTAL		56		10							549	1,088					3		44			3,529
TOTAL MINES AND PLANTS																						
ALUMINUM ORE		16		10							43	94										734
COPPER		237									242	1,168										2,972
GOLD	12,000	671									489	826					8		20		18,000	3,757
IRON											56	450							18			450
LEAD-ZINC												105										236
MOLYBDENUM											62	471										63
RARE EARTHS		212									36											36
SILVER		21									2											1,313
URANIUM																						
TOTAL	12,000	1,157		10							984	3,115					8		50		18,000	9,668
OFFICE:																						
ALUMINUM ORE																						14
GOLD																						14
TOTAL																						

TABLE 16. - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENT		FALLING, ROLL- ING OR SLIDING MATERIAL		FALL OF FACE RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HANDLING MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL																						
ALUMINUM ORE																	468		103			
COPPER		464															552		270			4
GOLD						1			6,000			31			10		1,148		460			
IRON																						
LEAD-ZINC																	75					
MOLYBDENUM																						
RARE EARTHS																						
SILVER												232		3			336		5			
URANIUM																	55		27			
TOTAL		464				1			6,000			263		3		10	2,634		865			4

TABLE 16 - NUMBER OF LOST WORKDAYS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
GRAND TOTAL:																						
ALUMINUM ORE-----	-	16	-	10	-	-	-	-	-	-	-	43	-	94	-	-	-	-	-	-	-	734
COPPER-----	-	237	-	-	-	-	-	-	-	-	-	242	-	1,168	-	3	-	-	-	32	-	2,972
GOLD-----	12,000	671	-	-	-	-	-	-	-	-	-	489	-	838	-	97	-	8	-	18	18,000	3,771
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-	-	450
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	56	-	105	-	-	-	-	-	-	-	236
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	62	-	1	-	-	-	-	-	-	-	63
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	-	-	-	-	-	36
SILVER-----	-	212	-	-	-	-	-	-	-	-	-	54	-	471	-	-	-	-	-	-	-	1,313
URANIUM-----	-	21	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-	-	107
TOTAL-----	12,000	1,157	-	10	-	-	-	-	-	-	-	984	-	3,127	-	102	-	8	-	50	18,000	9,682

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT CONTRIBUTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDI		TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI		TOTAL FATAL AND NFDI	TOTAL FATAL AND NFDI	PERMO- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI		
		PERMANENT	TEMPO- RARY					TOTAL	PARTIAL						TOTAL	
																TOTAL
UNDERGROUND MINES:																
BULLDOZER/MOBILE EQUIP	-	-	-	-	1	17	-	-	-	-	-	-	-	16		
DRILL OPERATOR	-	-	-	-	13	397	-	-	-	-	-	-	-	198		
ELECTRICIAN	-	-	-	-	2	13	-	-	-	-	-	-	-	6		
LABORER	-	-	-	-	2	6	-	-	-	-	-	-	-	6		
MECHANIC/MAINTENANCE	-	-	-	-	1	669	-	-	-	-	-	-	-	55		
MINER	-	-	-	-	12	6	-	-	-	-	-	-	-	6		
MINING MACH OPER	-	-	-	-	1	1	-	-	-	-	-	-	-	50		
POWERMAN/BLASTER	-	-	-	-	1	1	-	-	-	-	-	-	-	50		
RAIL TRASP AND HAUL	-	-	-	-	1	1	-	-	-	-	-	-	-	54		
SUPERVISOR/FOREMAN	-	-	-	-	2	3	-	-	-	-	-	-	-	28		
SUPERVISOR/FOREMAN	-	-	-	-	2	2	-	-	-	-	-	-	-	28		
TECH /PROF /CLERICAL	-	-	-	-	3	3	-	-	-	-	-	-	-	60		
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	60		
TOTAL OR AVERAGE	-	-	-	-	4	73	-	-	-	-	-	-	-	43		
SURFACE AT UNDERGROUND:																
DRILL OPERATOR	-	-	-	-	1	2	-	-	-	-	-	-	-	5		
ELECTRICIAN	-	-	-	-	2	8	-	-	-	-	-	-	-	15		
LABORER	-	-	-	-	1	4	-	-	-	-	-	-	-	22		
MECHANIC/MAINTENANCE	-	-	-	-	2	3	-	-	-	-	-	-	-	22		
MINER	-	-	-	-	1	1	-	-	-	-	-	-	-	30		
SUPERVISOR/FOREMAN	-	-	-	-	1	2	-	-	-	-	-	-	-	30		
WELDER/MACHINIST	-	-	-	-	1	1	-	-	-	-	-	-	-	1		
N.E.C. OR UNKNOWN	-	-	-	-	1	1	-	-	-	-	-	-	-	3		
TOTAL OR AVERAGE	-	-	-	-	12	21	-	-	-	-	-	-	-	6		
TOTAL OR AVERAGE	-	-	-	-	1	8	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	13		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE	-	-	-	-	13	21	-	-	-	-	-	-	-	16		
TOTAL OR AVERAGE																

TABLE 17 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE, FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDI		TOTAL FATAL AND NFDI	NFI	TOTAL INJURIES	FATAL	NFDI		TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI		
		PERMANENT						TEMPO- RARY	TOTAL NFDI						
		TOTAL	PARTIAL												
SURFACE MINES: OPEN PIT: BULDOZER/MOBILE EQUIP..... DRILL OPERATOR..... ELECTRICIAN..... FRONT END LOADER..... LABORER..... MECHANIC/MAINTENANCE..... MINER..... PREP PLANT OPER..... ROCK/ROOF BOLTER..... SUPERVISOR/FOREMAN..... TECH /PROF /CLERICAL..... TRUCK DRIVER..... WELDER/MACHINIST..... N E C OR UNKNOWN..... TOTAL OR AVERAGE.....	1 - - - - - - - - - - - 1 - - - 3	- - - - - - - - - - - - - - - - 1	8 18 6 28 28 6 3 3 1 4 2 26 11 4 - 145	8 18 6 28 29 6 3 3 1 4 2 26 11 4 - 146	8 19 5 28 29 6 3 3 1 4 2 27 12 4 - 149	5 8 3 12 9 4 - - 7 4 5 3 4 - 63	14 27 3 37 41 10 3 1 11 2 32 15 8 - 212	6,000 - - - - - - - - - - - - - - - - 18,000	- - - - - - - - - - - - - - - - 75	110 375 43 553 1,090 61 69 8 217 31 870 74 98 - 3,599	110 375 43 553 1,165 61 69 8 217 31 870 74 98 - 3,674	110 6,375 43 553 1,165 61 69 8 217 31 6,870 6,074 98 - 21,674	- - - - 75 - - - - - - - - - 75	14 21 7 39 10 23 8 16 33 7 24 - 25	14 336 7 20 40 10 23 8 16 294 506 24 - 145

TABLE 17 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPORARY	TOTAL NFDL				
TOTAL OR AVERAGE, MINING:															
BULLDOZER/MOBILE EQUIP	-	-	8	32	40	7	8	6,000	75	110	110	75	14	14	194
DRILL OPERATOR	-	-	33	4	37	12	34	-	-	598	427	-	16	16	107
ELECTRICIAN	-	-	4	4	8	3	4	-	-	43	43	-	7	7	7
FRONT END LOADER	-	-	6	6	12	8	6	-	-	652	652	50	18	18	19
LABORER	-	-	33	34	67	15	34	-	50	1,265	1,265	50	37	38	38
MECHANIC/MAINTENANCE	-	-	20	20	40	41	20	-	125	810	810	50	40	40	40
MINER	-	-	1	1	2	2	1	-	6	6	6	-	6	6	6
MINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINING MACH OPR	-	-	3	3	6	3	3	-	50	69	69	50	23	23	23
POWDERMAN/BLASTER	-	-	1	1	2	1	1	-	-	8	8	-	8	8	8
PREP PLANT OPR	-	-	1	1	2	1	1	-	-	327	327	-	47	47	47
RAIL TRANSP AND HAUL	-	-	7	7	14	11	7	-	-	87	87	-	22	22	22
ROCK/ROOF BOILER	-	-	4	4	8	6	4	-	-	870	870	-	33	33	33
SUPERVISOR/FOREMAN	-	-	26	26	52	32	26	6,000	-	77	77	-	6	6	254
TECH/ROOF CLERICAL	1	-	12	12	13	16	12	6,000	-	284	284	-	36	36	467
TRUCK DRIVER	1	-	8	8	16	4	8	-	-	5,683	5,683	58	27	27	116
WELDER/MACHINIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	6	195	201	396	306	102	18,000	350	5,333	5,683	58	27	27	116
INDEPENDENT SHOPS:															
MECHANIC/MAINTENANCE	-	-	1	1	2	1	1	-	-	55	55	-	55	55	55
N.E.C. OR UNKNOWN	-	-	1	1	2	1	1	-	-	1	1	-	1	1	1
TOTAL OR AVERAGE	-	-	2	2	4	2	2	-	-	56	56	-	28	28	28
PROCESSING PLANTS:															
BELT MAN/ROOM OPR	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
BULLDOZER/MOBILE EQUIP	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
DRAG/CRANE/SHOVEL OPR	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
DRILL OPERATOR	-	-	1	1	2	2	1	-	-	1	1	-	1	1	1
ELECTRICIAN	-	-	8	8	16	18	8	-	-	125	125	50	21	21	28
FRONT END LOADER	-	-	57	57	114	30	57	-	100	14	14	50	14	14	16
LABORER	-	-	23	24	47	17	24	-	185	533	718	185	23	23	30
MECHANIC/MAINTENANCE	-	-	1	1	2	2	1	-	-	2	2	-	2	2	2
MINE	-	-	1	1	2	1	1	-	-	8	8	-	8	8	8
MINING MACH OPR	-	-	23	23	46	18	23	-	-	267	267	450	12	12	12
POWDERMAN/BLASTER	-	-	7	7	14	9	7	-	450	504	504	-	11	11	11
PREP PLANT OPR	-	-	2	2	4	2	2	-	50	505	505	50	208	208	208
SUPERVISOR/FOREMAN	-	-	5	5	10	5	5	-	-	28	28	-	6	6	6
TECH/ROOF CLERICAL	-	-	11	11	22	15	11	-	-	219	219	-	20	20	20
TRUCK DRIVER	-	-	18	18	36	21	18	-	-	527	527	-	29	29	29
WELDER/MACHINIST	-	-	155	155	310	137	155	-	835	3,094	3,929	139	20	20	24
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	6	161	161	322	298	137	-	835	3,094	3,929	139	20	20	24

TABLE 17 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT CONTRACTIONS METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS				AVERAGE SEVERITY												
	FATAL	NFDL			TOTAL FATAL AND NFDL			NFI	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL								
		PERMANENT	TEMPO RARY	TOTAL NFDL						TOTAL NFDL	TOTAL FATAL AND NFDL	PERMA NENT PARTIAL					TEMPO RARY	TOTAL FATAL AND NFDL						
																			TOTAL	PARTIAL	TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL
TOTAL OR AVERAGE																								
ALL MINES AND PLANTS																								
BELTMAN/ROOM OPR						1										14	14							
BULLDOZER/MOBILE EQUIP						9										16	189							
DAG/CRANE/SHEVEL OPR						13	6,000									55	54							
DRILL OPERATOR	1	1	33	7	21	2										8	8							
ELECTRICIAN						45										16	17							
FRONT END LOADER						32										40	40							
LABORER						23										4	4							
MECHANIC/MAINTENANCE						1										8	8							
MINER						18										13	13							
MINING MACH OPR						44										50	50							
POUNDERMAN/BLASTER						1										8	8							
PREP PLANT OPR						20										29	57							
RAIL TRANSP AND HAUL						35										85	85							
ROCK/ROOF BOTLER						11										216	216							
SUPERVISOR/FOREMAN						37	6,000									262	262							
TECH /PROF /CLERICAL	1	1	6	1	5	42	6,000									30	30							
TRUCK DRIVER						25										24	24							
WELDER/MACHINIST						52										5	5							
N.E.C. OR UNKNOWN						606	18,000									99	99							
TOTAL OR AVERAGE	3	12	352	364	239	606	18,000									24	75							
OFFICE:																								
PREP PLANT OPR						1										10	10							
SUPERVISOR/FOREMAN						1										2	2							
TECH /PROF /CLERICAL						1																		
N.E.C. OR UNKNOWN						5										5	5							
TOTAL OR AVERAGE						2										14	14							
GRAND TOTAL OR AVERAGE:																								
BELTMAN/ROOM OPR						1										14	14							
BULLDOZER/MOBILE EQUIP						9										16	189							
DAG/CRANE/SHEVEL OPR						13	6,000									55	54							
DRILL OPERATOR	1	1	33	7	21	2										8	8							
ELECTRICIAN						45										16	17							
FRONT END LOADER						32										31	35							
LABORER						23										40	40							
MECHANIC/MAINTENANCE						1										8	8							
MINER						18										13	13							
MINING MACH OPR						45										50	50							
POUNDERMAN/BLASTER						1										8	8							
PREP PLANT OPR						21										29	57							
RAIL TRANSP AND HAUL						36										85	85							
ROCK/ROOF BOTLER						11										216	216							
SUPERVISOR/FOREMAN						37	6,000									262	262							
TECH /PROF /CLERICAL	1	1	6	1	5	42	6,000									30	30							
TRUCK DRIVER						26										24	24							
WELDER/MACHINIST						53										5	5							
N.E.C. OR UNKNOWN						611	18,000									99	99							
TOTAL OR AVERAGE	3	12	355	367	241	611	18,000									24	75							

TABLE 18. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		TOTAL	PARTIAL	TOTAL NFDL				TOTAL	PARTIAL	TOTAL NFDL							
UNDERGROUND MINES																	
UNDERGROUND																	
ELECTRICAL																	
FALL OF FACE, RIB, SIDE																	
OR HIGHWALL																	
FALL OF ROOF (UNDER																	
GROUND MINES ONLY)																	
HANDLING MATERIAL																	
HAND TOOL																	
POWERED HAULAGE																	
MACHINERY																	
SLIP OR FALL OF																	
PERSON																	
STEPPING OR KNEELING																	
ON OBJECT																	
TOTAL OR AVERAGE																	
SURFACE AT UNDERGROUND																	
HANDLING MATERIAL																	
HAND TOOL																	
MACHINERY																	
SLIP OR FALL OF																	
PERSON																	
STRIKING OR BUMPING																	
TOTAL OR AVERAGE																	
TOTAL OR AVERAGE, UG																	
ELECTRICAL																	
FALL OF FACE, RIB, SIDE																	
OR HIGHWALL																	
FALL OF ROOF (UNDER																	
GROUND MINES ONLY)																	
HANDLING MATERIAL																	
HAND TOOL																	
POWERED HAULAGE																	
MACHINERY																	
SLIP OR FALL OF																	
PERSON																	
STEPPING OR KNEELING																	
ON OBJECT																	
STRIKING OR BUMPING																	
TOTAL OR AVERAGE																	

TABLE 18 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TOTAL						TEMPO- RARY	TOTAL NFDL					
			TOTAL	PARTIAL											
											TOTAL				
SURFACE MINES: OPEN PIT: ELECTRICAL FALLING, ROLLING, OR SLIDING MATERIAL FIRE HANDLING MATERIAL HAND TOOL POWERED HAULAGE MACHINERY SLIP OR FALL OF PERSON STEPPING OR KNEELING ON OBJECT OTHER INJURIES TOTAL OR AVERAGE	- 1 - - - - 2 - - - - - - 3	- - - 1 - - - - - - - - - 1	1 - - 33 17 34 19 34 6 1 146	1 1 1 17 36 19 34 6 1 146	1 2 16 13 3 8 14 6 1 63	2 1 3 49 30 39 27 48 6 7 212	- 6,000 - - 12,000 - - 18,000 - - - - - - - -	- - - 75 - - - - - 75 - - - - - - -	13 10 701 508 756 262 1,369 49 6 3,674	13 10 20 30 22 14 40 8 6 25	13 6,000 10 701 508 12,756 262 1,369 49 6 21,674	- - 75 - - - - - 75 - - - 75 -	13 10 20 30 22 14 40 8 6 25	13 6,000 10 701 508 12,756 262 1,369 49 6 21,674	

TABLE 18 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT CONSTRUCTION METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY	
	FATAL	NFDL		TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY					TOTAL NFDL	TOTAL FATAL AND NFDL					TOTAL FATAL AND NFDL
TOTAL OR AVERAGE, MINING:	-	-	1	1	2	3	-	-	-	13	13	-	13	13
ELECTRICAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000
FALLING, ROLLING, OR SLIDING MATERIAL:	1	-	-	1	-	1	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE OR HIGHWALL:	-	-	3	3	3	6	-	-	-	263	263	-	88	88
FALL OF ROOF (UNDER- GROUND MINES ONLY):	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIRE:	-	-	1	1	5	6	-	-	-	3	3	-	3	3
HANDLING MATERIAL:	-	-	1	1	2	3	-	-	-	10	10	-	10	10
HAND TOOL:	-	5	40	45	25	70	-	-	-	1,196	1,196	60	22	27
POWERED HAULAGE:	-	1	22	23	18	41	-	-	-	531	581	50	24	25
MACHINERY:	2	-	39	41	4	45	-	-	-	1,101	1,101	-	28	300
SLIP OR FALL OF PERSON:	-	-	32	32	13	45	-	-	-	379	379	-	12	12
STEPPING OR KNEELING ON OBJECT:	-	-	46	46	21	67	-	-	-	2,027	2,027	-	44	44
STRIKING OR BUMPING:	-	-	8	8	3	11	-	-	-	99	99	-	12	12
OTHER INJURIES:	-	-	1	1	6	7	-	-	-	5	5	-	5	5
TOTAL OR AVERAGE:	3	6	195	201	102	306	18,000	350	5,333	5,683	23,683	58	27	116
INDEPENDENT SHOPS:	-	-	2	2	-	2	-	-	-	56	56	-	28	28
MACHINERY:	-	-	2	2	-	2	-	-	-	56	56	-	28	28
TOTAL OR AVERAGE:	-	-	2	2	-	2	-	-	-	56	56	-	28	28
PROCESSING PLANTS:	-	-	1	2	-	2	-	-	-	1	451	450	1	276
ELECTRICAL:	-	1	1	2	-	2	-	-	-	1	1	-	1	1
EXPLODING VESSEL:	-	-	1	1	1	2	-	-	-	1,286	1,436	50	21	22
UNDER PRESSURE:	-	-	62	65	51	116	-	-	-	284	284	-	12	12
HANDLING MATERIAL:	-	3	23	23	24	47	-	-	-	4	4	-	4	4
HAND TOOL:	-	-	1	1	2	9	-	-	-	56	56	-	8	8
NONPOWERED HAULAGE:	-	-	7	7	2	9	-	-	-	10	10	-	10	10
POWERED HAULAGE:	-	-	1	1	1	2	-	-	-	314	549	118	12	20
HOISTING:	-	2	26	28	34	62	-	-	-	1,088	1,088	-	39	39
MACHINERY:	-	-	28	28	17	45	-	-	-	3	3	-	3	3
SLIP OR FALL OF PERSON:	-	-	1	1	1	2	-	-	-	3	3	-	3	3
STEPPING OR KNEELING ON OBJECT:	-	-	1	1	1	2	-	-	-	44	44	-	15	15
STRIKING OR BUMPING:	-	-	3	3	6	9	-	-	-	-	-	-	-	-
OTHER INJURIES:	-	-	3	3	6	9	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	6	155	161	137	298	-	835	3,094	3,929	3,929	139	20	24

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDL	
		TOTAL	PARTIAL						TOTAL	PARTIAL							
TOTAL OR AVERAGE	-	-	1	2	3	3	2	5	-	-	450	14	464	464	450	7	155
ELECTRICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
UNDER PRESSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
SLIDING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	-	-	-	3	3	3	3	6	-	-	-	263	263	263	-	88	88
OR HIGHWALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER-	-	-	-	1	1	1	5	6	-	-	-	3	3	3	-	3	3
GROUND MINES ONLY)	-	-	-	1	1	1	2	3	-	-	-	10	10	10	-	10	10
FIRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL	-	-	8	102	110	110	76	186	-	-	450	2,182	2,632	2,632	56	21	24
HAND TOOL	-	-	1	45	46	46	42	88	-	-	50	815	865	865	50	18	19
NONPOWERED HAULAGE	-	-	-	1	1	1	-	1	-	-	-	4	4	4	-	4	4
POWERED HAULAGE	2	-	-	46	46	48	6	54	12,000	-	-	1,157	1,157	13,157	-	25	274
HOISTING	-	-	-	1	1	1	1	2	-	-	-	10	10	10	-	10	10
MACHINERY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	2	60	62	62	47	109	-	-	235	749	984	984	118	12	16
PERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEPPING OR KNEELING	-	-	-	74	74	74	38	112	-	-	-	3,115	3,115	3,115	-	42	42
ON OBJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING	-	-	-	9	9	9	4	13	-	-	-	102	102	102	-	11	11
OTHER INJURIES	-	-	-	2	2	2	-	2	-	-	-	8	8	8	-	4	4
TOTAL OR AVERAGE	-	-	-	4	4	4	12	16	-	-	-	50	50	50	-	12	12
TOTAL OR AVERAGE	3	-	12	352	364	367	239	606	18,000	-	1,185	8,483	9,668	27,668	99	24	75
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HANDLING MATERIAL	-	-	-	1	1	1	-	1	-	-	-	2	2	2	-	2	2
HAND TOOL	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PERSON	-	-	-	2	2	2	1	3	-	-	-	12	12	12	-	6	6
TOTAL OR AVERAGE	-	-	-	3	3	3	2	5	-	-	-	14	14	14	-	5	5

TABLE 18. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL	PERMANENT						TEMPO- RARY	TOTAL NFDL
		TOTAL	PARTIAL							TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE	-	-	1	2	3	3	2	5	-	-	450	14	464	464	450	7	155
ELECTRICAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	-	1	1	1	1	2	-	-	-	1	1	1	-	1	1
UNDER PRESSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLING, ROLLING, OR	1	-	-	-	-	1	-	1	6,000	-	-	-	-	6,000	-	-	6,000
SLIDING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE	-	-	-	3	3	3	3	6	-	-	-	263	263	263	-	88	88
OR HIGHWALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF (UNDER-	-	-	-	1	1	1	5	6	-	-	-	3	3	3	-	3	3
GROUND MINES ONLY)	-	-	-	1	1	1	2	3	-	-	-	10	10	10	-	10	10
FIRE	-	-	8	103	111	111	76	187	-	450	2,184	2,634	2,634	56	21	24	
HANDLING MATERIAL	-	-	1	45	46	46	43	89	-	50	815	865	865	50	18	19	
HAND TOOL	-	-	-	1	1	1	-	1	-	-	4	4	4	-	4	4	
NONPOWERED HAULAGE	-	-	-	46	46	48	6	54	12,000	-	-	1,157	1,157	13,157	-	25	274
POWERED HAULAGE	2	-	-	1	1	1	1	2	-	-	-	10	10	10	-	10	10
HOTSTING	-	-	2	60	62	62	47	109	-	235	749	984	984	118	12	16	
MACHINERY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SLIP OR FALL OF	-	-	-	76	76	76	39	115	-	-	-	3,127	3,127	3,127	-	41	41
PERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STEPPING OR KNEELING	-	-	-	9	9	9	4	13	-	-	-	102	102	102	-	11	11
ON OBJECT	-	-	-	2	2	2	-	2	-	-	-	8	8	8	-	4	4
STRIKING OR BUMPING	-	-	-	4	4	4	12	16	-	-	-	50	50	50	-	12	12
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	-	12	355	367	370	241	611	18,000	-	1,185	8,497	9,682	27,682	99	24	75

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES							LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY					TOTAL NFDL
		TOTAL	PARTIAL						TOTAL	PARTIAL						
ELECTRICAL: FOREARM----- TOE(S)----- BODY SYSTEMS----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE----- EXPLODING VESSEL UNDER PRESSURE: FACE, NEC----- TOTAL OR AVERAGE----- FALLING, ROLLING, OR SLIDING MATERIAL: BODY SYSTEMS----- TOTAL OR AVERAGE----- FALL OF FACE, RIB, SIDE OR HIGHWALL: NOSE----- BACK----- FOOT----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE----- FALL OF ROOF (UNDER- GROUND MINES ONLY): ELBOW----- FOREARM----- WRIST----- FOOT----- LOWER EXTREMITIES, NEC----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE----- FIRE: ANKLE----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	- -															

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1981 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDI			TOTAL FATAL AND NFDI	NOI	TOTAL INJURIES	FATAL	NFDI			TOTAL FATAL AND NFDI	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDI	
		PERMANENT	TEMPO RARY	TOTAL NFDI					PERMANENT		TEMPO RARY					TOTAL NFDI
									TOTAL	PARTIAL						
HANDLING MATERIAL																
EAR			1	1	1		1							5		5
EYE			10	10	10	11	21							5		2
MOUTH/TEETH/TONGUE						1	1									
SCALP						3	4									
NECK			1	1	1	1	4							28		28
UPPER ARM						1	1									
ELBOW			2	2	2	2	5							14		14
WRIST			4	4	4	2	4							7		7
HAND			2	2	2	2	4							6		6
FINGER(S)		2	8	10	10	30	40		150				75	9		220
UPPER EXTREMITIES, NEC			1	1	1	1	2							62		62
ABDOMEN			1	1	1	1	1							1		1
BACK			39	39	39	11	50							828		828
PELVIC REGION			4	4	4	11	15		300				50	21		21
SHOULDER(S)		6	4	4	4	4	5							372		372
TRUNK, NEC			1	1	1	1	1							100		100
THIGH			1	1	1	1	1							3		3
KNEE			6	6	6	1	7							102		102
LOWER LEG						1	1							16		16
ANKLE			2	2	2	2	9							543		543
FOOT			7	7	7	2	3							2		2
TOE(S)			1	1	1	1	3							4		4
LOWER EXTREMITIES, NEC			2	2	2	2	10							261		261
MULTIPLE PARTS OF BODY			7	7	7	3								2		2
TOTAL OR AVERAGE		8	103	111	111	76	187		450			56		2,534		2,534
HAND TOOL																
EAR			2	2	2	4	2							16		16
EYE			5	5	5	2	9							313		313
JAW			1	1	1	2	3							8		8
MOUTH/TEETH/TONGUE			2	2	2	3	5							14		14
FACE, NEC						2	2							10		10
FOREARM			3	3	3	2	5							35		35
WRIST			3	3	3	3	6							78		78
HAND			9	9	9	20	30		50					128		128
FINGER(S)		1	1	1	1	1	2							1		1
UPPER EXTREMITIES, NEC			6	6	6	1	7							98		98
ARM/SHOULDER			4	4	4	1	5							74		74
BACK						1	1							2		2
SHOULDER(S)			1	1	1	1	2							71		71
THIGH			3	3	3	1	4							44		44
LOWER LEG			1	1	1	1	1							32		32
FOOT			1	1	1	1	1							18		18
TOE(S)			2	2	2	1	3							865		865
LOWER EXTREMITIES, NEC														2		2
MULTIPLE PARTS OF BODY														24		24
TOTAL OR AVERAGE		1	45	46	46	43	89		50			50		865		865

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA NENT PARTIAL	TEMPO RARY	TOTAL FATAL AND NFDL
		PERMANENT		TEMPO- RARY					PERMANENT		TEMPO- RARY				
		TOTAL	PARTIAL						TOTAL	PARTIAL					
NONPOWERED HAULAGE	-	-	1	1	1	-	1	-	-	-	4	-	4	4	
BACK	-	-	1	1	1	-	1	-	-	-	4	-	4	4	
TOTAL OR AVERAGE	-	-	1	1	1	-	1	-	-	-	4	-	4	4	
POWERED HAULAGE	-	-	1	1	1	1	2	-	-	-	1	-	1	1	
EYE	-	-	1	1	1	1	1	-	-	-	2	-	2	2	
MOUTH/TEETH/TONGUE	-	-	1	1	1	1	2	-	-	-	21	-	21	21	
HEAD NEC	-	-	1	1	1	1	8	-	-	-	121	-	121	121	
NECK	-	-	8	8	8	-	1	-	-	-	54	-	54	54	
WRIST	-	-	1	1	1	-	1	-	-	-	36	-	36	36	
HAND	-	-	1	1	1	-	2	-	-	-	17	-	17	17	
FINGER(S)	-	-	2	2	2	-	1	-	-	-	80	-	80	80	
UPPER EXTREMITIES, NEC	-	-	1	1	1	1	15	-	-	-	193	-	16	16	
BACK	-	-	12	12	12	3	3	-	-	-	100	-	33	33	
PELVIC REGION	-	-	3	3	3	-	2	-	-	-	28	-	14	14	
SHOULDER(S)	-	-	2	2	2	-	2	-	-	-	118	-	59	59	
KNEE	-	-	2	2	2	-	2	-	-	-	6	-	3	3	
ANKLE	-	-	2	2	2	-	3	-	-	-	69	-	23	23	
FOOT	-	-	3	3	3	-	1	-	-	-	30	-	30	30	
LOWER EXTREMITIES, NEC	-	-	1	1	1	1	7	-	-	-	259	-	65	65	
MULTIPLE PARTS OF BODY	2	-	4	4	6	1	1	12,000	-	-	12,000	-	2,043	2,043	
UNCLASSIFIED	-	-	1	1	1	-	1	-	-	-	22	-	22	22	
TOTAL OR AVERAGE	2	-	46	46	48	6	54	12,000	-	-	13,157	-	25	274	
HOISTING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAND	-	-	1	1	1	1	1	-	-	-	10	-	10	10	
MULTIPLE PARTS OF BODY	-	-	1	1	1	1	2	-	-	-	10	-	10	10	
TOTAL OR AVERAGE	-	-	1	1	1	1	2	-	-	-	10	-	10	10	

TABLE 19 - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT CONSTRUCTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TOTAL NFDL				PERMANENT	PARTIAL	TOTAL NFDL					
MACHINERY															
EAR		1		1	1	3				3	3		3	3	3
EYE		11		11	11	15				29	29		29	29	29
NOSE						1									1
FACE, NEC		1		1	1	1				2	2		2	2	2
HEAD, NEC		1		1	1	1				3	3		3	3	3
NECK		2		2	2	4				8	8		8	8	8
ELBOW		3		3	3	6				42	42		42	42	42
FOREARM		6		6	6	9				197	197		197	197	197
Wrist		8		8	8	10				145	145		145	145	145
HAND		2		2	2	1				235	235		235	235	235
FINGER(S)		2		2	2	9				85	85		85	85	85
UPPER EXTREMITIES, NEC		9		9	9	11				9	9		9	9	9
ARM-ARM		1		1	1	2				83	83		83	83	83
ABDOMEN		2		2	2	4				3	3		3	3	3
BACK		1		1	1	1				5	5		5	5	5
PELVIC REGION		1		1	1	1				3	3		3	3	3
THIGH		1		1	1	1				3	3		3	3	3
KNEE		1		1	1	1				3	3		3	3	3
LOWER LEG		1		1	1	1				30	30		30	30	30
ANKLE		5		5	5	7				70	70		70	70	70
FOOT						1									1
TOE(S)		4		4	4	4				32	32		32	32	32
LOWER EXTREMITIES, NEC						3									3
MULTIPLE PARTS OF BODY		2		2	2	47				749	749		749	749	749
TOTAL OR AVERAGE						109				984	984		984	984	118
SLIP OR FALL OF PERSON															
HEAD, NEC		1		1	1	3				12	12		12	12	12
NECK		1		1	1	1				29	29		29	29	29
ELBOW		4		4	4	4				35	35		35	35	35
Wrist		3		3	3	1				92	92		92	92	92
HAND		2		2	2	4				19	19		19	19	19
FINGER(S)		1		1	1	6				11	11		11	11	11
UPPER EXTREMITIES, NEC		10		10	10	15				174	174		174	174	174
BACK		4		4	4	5				347	347		347	347	347
CHEST		1		1	1	3				296	296		296	296	296
PELVIC REGION		2		2	2	3				498	498		498	498	498
SHOULDER(S)		1		1	1	1				66	66		66	66	66
TRUNK, NEC		1		1	1	1				2	2		2	2	2
THIGH		20		20	20	8				18	18		18	18	18
KNEE		14		14	14	4				767	767		767	767	767
ANKLE		1		1	1	2				156	156		156	156	156
FOOT		9		9	9	6				1	1		1	1	1
LOWER EXTREMITIES, NEC						15				604	604		604	604	604
MULTIPLE PARTS OF BODY		76		76	76	39				3,127	3,127		3,127	3,127	3,127
TOTAL OR AVERAGE						115				3,127	3,127		3,127	3,127	41

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TABLE 19 · NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED
AT CONSTRUCTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDI				TOTAL FATAL AND NFDI	NDI	TOTAL INJURIES	FATAL	NFDI				TOTAL FATAL AND NFDI	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDI
		TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFDI					PERMANENT	PARTIAL	TOTAL NFDI					
STEPPING OR KNEELING ON OBJECT	-	1	1	-	-	1	-	1	-	-	-	-	-	3	3		
BACK	-	6	6	-	-	6	-	7	-	-	-	-	-	15	15		
ANKLE	-	1	1	-	-	1	-	4	-	-	-	-	-	1	1		
FOOT	-	1	1	-	-	1	-	1	-	-	-	-	-	7	7		
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	9	9	-	-	9	-	13	-	-	-	-	-	11	11		
STRIKING OR BUMPING	-	1	1	-	-	1	-	1	-	-	-	-	-	5	5		
ANKLE	-	1	1	-	-	1	-	1	-	-	-	-	-	3	3		
MULTIPLE PARTS OF BODY	-	2	2	-	-	2	-	2	-	-	-	-	-	4	4		
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OTHER INJURIES:	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-		
EYE	-	-	-	-	-	-	-	10	-	-	-	-	-	32	32		
BACK	-	1	1	-	-	1	-	1	-	-	-	-	-	11	11		
ANKLE	-	1	1	-	-	1	-	1	-	-	-	-	-	1	1		
BODY SYSTEMS	-	1	1	-	-	1	-	3	-	-	-	-	-	6	6		
MULTIPLE PARTS OF BODY	-	1	1	-	-	1	-	1	-	-	-	-	-	6	6		
TOTAL OR AVERAGE	-	4	4	-	-	4	-	16	-	-	-	-	-	12	12		

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL FATAL AND NFDL				
TOTAL OR AVERAGE:	-	4	27	27	4	3	-	-	-	24	-	6	24	362	388
EAR	-	27	-	-	27	41	-	-	-	362	-	13	13	381	75
EYE	-	-	-	-	-	2	-	-	-	10	-	5	5	15	15
JAW	-	2	-	-	2	3	-	-	-	-	-	-	-	20	20
MOUTH/TEETH/TONGUE	-	-	-	-	-	2	-	-	-	-	-	-	-	22	22
NOSE	-	-	-	-	-	1	-	-	-	-	-	-	-	67	67
SCALP	-	4	-	-	4	4	-	-	-	17	-	4	4	14	14
FACE, NEC.	-	4	-	-	4	4	-	-	-	36	-	12	12	18	18
HEAD, NEC.	-	3	-	-	3	4	-	-	-	178	-	-	-	-	-
NECK	-	10	-	-	10	14	-	-	-	-	-	-	-	-	-
UPPER ARM	-	-	-	-	-	1	-	-	-	71	-	14	14	14	14
ELBOW	-	5	-	-	5	3	-	-	-	13	-	13	13	13	13
FOREARM	-	1	-	-	1	4	-	-	-	225	-	15	15	15	15
WRIST	-	15	-	-	15	8	-	-	-	300	-	20	20	20	20
HAND	-	15	-	-	15	23	-	-	-	756	-	87	87	87	87
FINGER(S)	-	29	5	-	34	63	-	-	435	402	-	11	11	11	11
UPPER EXTREMITIES, NEC.	-	6	-	-	6	11	-	-	-	11	-	3	3	3	3
ARM/SHOULDER	-	4	-	-	4	5	-	-	-	11	-	3	3	3	3
ABDOMEN	-	81	-	-	81	102	-	-	-	1,846	-	23	23	23	23
BACK	-	4	-	-	4	21	-	-	-	296	-	74	74	74	74
CHEST	-	4	-	-	4	1	-	-	-	296	-	74	74	74	74
PELVIC REGION	-	9	-	-	9	3	-	-	-	973	-	75	75	75	75
SHOULDER(S)	-	12	-	-	12	18	-	-	-	673	-	22	22	22	22
TRUNK, NEC.	-	2	-	-	2	2	-	-	-	268	-	22	22	22	22
THIGH	-	3	-	-	3	5	-	-	-	5	-	8	8	8	8
KNEE	-	29	-	-	29	41	-	-	-	23	-	2	2	2	2
LOWER LEG	-	1	-	-	1	3	-	-	-	990	-	34	34	34	34
ANKLE	-	27	-	-	27	12	-	-	-	2	-	2	2	2	2
FOOT	-	19	-	-	19	6	-	-	-	315	-	12	12	12	12
TOE(S)	-	2	-	-	2	33	-	-	-	754	-	40	40	40	40
LOWER EXTREMITIES, NEC.	-	6	-	-	6	5	-	-	-	496	-	23	23	23	23
BODY SYSTEMS	1	2	-	-	2	8	-	6,000	-	70	-	12	12	12	12
MULTIPLE PARTS OF BODY	2	32	-	-	32	52	-	12,000	-	2	-	1	1	1	1
UNCLASSIFIED	-	1	-	-	1	1	-	-	-	1,215	-	38	38	38	38
TOTAL OR AVERAGE	3	355	12	367	370	611	241	18,000	1,185	8,497	9,682	99	24	75	75

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES								LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT		TEMPO- RARY					TOTAL NFDL								
		TOTAL	PARTIAL														
TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
ELECTRICAL:																	
AMPUTATION/ENUCLEATION-----	-	-	1	-	1	1	-	1	-	-	450	-	450	450	450	-	450
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
ELECTRIC SHOCK-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1	1	
RADIATION/ULTRA VIOLET-----	-	-	-	1	1	1	1	2	-	-	-	13	13	13	-	13	
TOTAL OR AVERAGE-----	-	-	1	2	3	3	2	5	-	-	450	14	464	464	450	7	155
EXPLODING VESSEL																	
UNDER PRESSURE:																	
CHEMICAL BURN-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE-----	-	-	-	1	1	1	-	1	-	-	1	1	1	-	1	1	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	1	2	-	-	1	1	1	-	1	1	
FALLING, ROLLING, OR																	
SLIDING MATERIAL																	
ASPHYXIATION/DROWNING-----	1	-	-	-	-	1	-	1	6,000	-	-	-	6,000	-	-	6,000	
TOTAL OR AVERAGE-----	1	-	-	-	-	1	-	1	6,000	-	-	-	6,000	-	-	6,000	
FALL OF FACE, RIB, SIDE																	
OR HIGHWALL																	
CUT OR PUNCTURE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
FRACTURE-----	-	-	-	1	1	1	-	1	-	-	227	227	227	-	227	227	
MULTIPLE INJURIES-----	-	-	-	1	1	1	2	3	-	-	5	5	5	-	5	5	
UNCLASSIFIED (NO DATA)---	-	-	-	1	1	1	-	1	-	-	31	31	31	-	31	31	
TOTAL OR AVERAGE-----	-	-	-	3	3	3	3	6	-	-	263	263	263	-	88	88	
FALL OF ROOF (UNDER-																	
GROUND MINES ONLY)																	
CONTUSION OR BRUISE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE-----	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	
FRACTURE-----	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
MULTIPLE INJURIES-----	-	-	-	1	1	1	-	1	-	-	3	3	3	-	3	3	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	5	6	-	-	3	3	3	-	3	3	
FIRE:																	
BURN/SCALD (NOT CHEM)-----	-	-	-	1	1	1	1	2	-	-	10	10	10	-	10	10	
UNCLASSIFIED (NO DATA)---	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	2	3	-	-	10	10	10	-	10	10	

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL					PERMANENT		TEMPORARY					TOTAL NFDL
									TOTAL	PARTIAL						
HAND/ING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMPUTATION/ENUCLEATION	-	2	-	2	2	2	-	-	150	-	150	75	75	249	75	
BURN/SCALD (NOT CHEM.)	-	-	1	1	2	1	-	-	-	-	249	-	249	4	249	
CHEMICAL BURN	-	-	5	5	10	7	-	-	-	-	18	-	18	16	16	
CONTUSION OR BRUISE	-	-	9	9	18	5	-	-	-	-	147	-	147	5	5	
CUT OR PUNCTURE	-	-	8	8	16	26	-	-	-	-	38	-	38	2	2	
DERMATITIS	-	-	-	-	-	1	-	-	-	-	5	-	5	48	48	
DUST IN EYE	-	-	3	3	6	2	-	-	-	-	337	-	337	50	50	
FRACTURE	-	-	7	7	14	6	-	-	300	-	300	-	300	2	2	
HEAVY (NOT DISC)	-	-	6	6	12	1	-	-	-	-	4	-	4	20	20	
SCRATCH/ABRASION	-	-	2	2	4	19	-	-	-	-	1,176	-	1,176	28	28	
STRAIN/SPRAIN	-	-	59	59	118	6	-	-	-	-	166	-	166	14	14	
MULTIPLE INJURIES	-	-	6	6	12	4	-	-	-	-	14	-	14	15	15	
OTHER INJURY, NEC.	-	-	1	1	2	2	-	-	-	-	30	-	30	21	21	
UNCLASSIFIED (NO DATA)	-	-	2	2	4	2	-	-	-	-	2,634	-	2,634	56	56	
TOTAL OR AVERAGE	-	8	103	111	119	76	187	-	450	2,184	2,634	56	24	50	50	
HAND TOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMPUTATION/ENUCLEATION	-	1	-	1	2	1	-	-	50	-	50	-	50	2	2	
CHEMICAL BURN	-	-	2	2	4	5	-	-	-	-	5	-	5	7	7	
CONTUSION OR BRUISE	-	-	8	8	16	26	-	-	-	-	53	-	53	51	51	
CUT OR PUNCTURE	-	-	7	7	14	2	-	-	-	-	357	-	357	17	17	
DERMATITIS	-	-	-	-	-	1	-	-	-	-	174	-	174	9	9	
DUST IN EYE	-	-	10	10	20	5	-	-	-	-	9	-	9	6	6	
FRACTURE	-	-	1	1	2	1	-	-	-	-	13	-	13	14	14	
HEARING IMPAIRMENT	-	-	2	2	4	9	-	-	-	-	122	-	122	12	12	
SCRATCH/ABRASION	-	-	9	9	18	4	-	-	-	-	47	-	47	18	18	
STRAIN/SPRAIN	-	-	4	4	8	3	-	-	-	-	35	-	35	18	18	
MULTIPLE INJURIES	-	-	2	2	4	1	-	-	-	-	865	-	865	18	18	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	1	45	46	47	43	89	-	50	815	865	50	19	4	4	
NONPOWERED HAULAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	1	1	2	1	-	-	-	-	4	-	4	4	4	
TOTAL OR AVERAGE	-	-	1	1	2	1	1	-	-	-	4	-	4	4	4	
POWERED HAULAGE	1	-	6	6	7	7	7	6,000	-	-	280	-	280	47	47	
CONTUSION OR BRUISE	-	-	3	3	6	1	-	-	-	-	125	-	125	42	42	
CUT OR PUNCTURE	-	-	9	9	18	3	-	-	-	-	377	-	377	42	42	
FRACTURE	-	-	20	20	40	3	-	-	-	-	267	-	267	13	13	
STRAIN/SPRAIN	-	-	3	3	6	2	-	-	-	-	34	-	34	11	11	
MULTIPLE INJURIES	1	-	5	5	6	5	5	6,000	-	-	74	-	74	15	15	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	2	-	45	46	48	6	54	12,000	-	1,157	1,157	-	13,157	25	25	

TABLE 20 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL					TOTAL	PARTIAL	TOTAL					
HOISTING: CONTUSION OR BRUISE MULTIPLE INJURIES TOTAL OR AVERAGE	- - - -	- 1 1 -	- 1 1 -	- 1 1 -	- 1 1 -	1 - 1 2	- - - -	- - - -	- 10 10 10	- 10 10 10	- - - -	- - - -	- 10 10 10	- - - -		
MACHINERY: AMPUTATION/ENUCLEATION BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DUST IN EYE FRACTURE RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - - - - - -	- 2 4 1 13 16 - 1 7 3 1 1 10 2 2 2 60	- 2 4 1 13 16 - 1 7 3 1 1 10 2 2 2 62	- 2 4 1 13 16 - 1 7 3 1 1 10 2 2 2 62	- 2 4 1 13 16 - 1 7 3 1 1 10 2 2 2 62	2 8 3 15 37 1 4 8 4 4 1 14 3 2 5 109	- - - - - - - - - - - - - - - 235	- - - - - - - - - - - - - - - - 235	- 10 10 10	- 10 10 10	- - - - - - - - - - - - - - - 118	- 10 10 10	- 10 10 10	- 10 10 10	- 10 10 10	
SLIP OR FALL OF PERSON: CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - -	- 11 1 16 33 5 1 1 9 76	- 11 1 16 33 5 1 1 9 76	- 11 1 16 33 5 1 1 9 76	- 11 1 16 33 5 1 1 9 76	1 18 7 3 18 44 6 1 12 115	- - - - - - - - - - -	- - - - - - - - - - -	- 394 27 610 814 472 21 789 3,127	- 394 27 610 814 472 21 789 3,127	- - - - - - - - - -	- 36 27 27 25 21 88 41	- 36 27 27 25 21 88 41	- 36 27 27 25 21 88 41	- 36 27 27 25 21 88 41	
STEPPING OR KNEELING ON OBJECT: CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN TOTAL OR AVERAGE	- - - - -	- 1 1 7 9	- 1 1 7 9	- 1 1 7 9	- 1 1 7 9	4 1 8 13	- - - -	- - - -	- 1 26 75 102	- 1 26 75 102	- 1 26 75 102	- - - -	- 1 26 75 11	- 1 26 75 11	- 1 26 75 11	- 1 26 75 11
STRIKING OR BUMPING: STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	- - - -	- 1 1 2	- 1 1 2	- 1 1 2	- 1 1 2	1 1 2	- - -	- - -	- 5 3 8	- 5 3 8	- 5 3 8	- - -	- 5 3 8	- 5 3 8	- 5 3 8	- 5 3 8

TABLE 20. NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL		
		TOTAL	PERMANENT	TEMPORARY				TOTAL	PERMANENT	TEMPORARY						
															TOTAL	PARTIAL
OTHER INJURIES	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
DUST IN EYE	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION	-	-	2	2	2	-	-	-	-	-	38	-	19	38	19	19
STRAIN/SPRAIN	-	-	1	1	1	-	-	-	-	-	11	-	11	11	11	11
MULTIPLE INJURIES	-	-	1	1	1	-	-	-	-	-	1	-	1	1	1	1
OTHER INJURY, NEC	-	-	-	-	4	-	-	-	-	-	50	-	12	50	12	12
TOTAL OR AVERAGE	-	-	4	4	4	16	-	-	-	-	-	-	-	-	-	-
OTHER INJURIES	-	-	-	-	6	-	-	-	-	-	885	-	-	885	-	148
CUT OR PUNCTURE	1	-	6	6	6	6	6,000	-	-	-	885	-	-	885	-	6,000
AMPUTATION/ENUCLEATION	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/CHOKING	-	-	6	6	6	12	-	-	-	-	282	-	47	282	47	47
BURN/SCALD (NOT CHEM.)	-	-	8	8	8	20	-	-	-	-	27	-	3	27	3	3
CHEMICAL BURN	-	-	47	47	48	70	6,000	-	-	-	1,052	-	22	1,052	22	147
CONCUSSION OR BRUISE	1	-	36	36	36	127	-	-	-	-	668	-	19	668	19	19
CUT OR PUNCTURE	-	-	36	36	36	3	-	-	-	-	-	-	-	-	-	-
DERMATITIS	-	-	1	1	1	3	-	-	-	-	-	-	-	-	-	-
DISLOCATION	-	-	1	1	1	3	-	-	-	-	-	-	-	-	-	-
DUST IN EYE	-	-	4	4	4	17	-	-	-	-	27	-	27	27	27	27
ELECTRIC SHOCK	-	-	1	1	1	1	-	-	-	-	7	-	7	7	7	7
FRACTURE	-	-	51	51	51	66	-	-	-	-	1	-	1	1	1	1
HEARING IMPAIRMENT	-	-	1	1	1	1	-	-	-	-	2,002	-	39	2,002	39	39
HEAT (NOT DISC)	-	-	6	6	6	6	-	-	-	-	9	-	9	9	9	9
POISONING (SYSTEMIC)	-	-	-	-	4	2	-	-	-	-	300	-	50	300	50	50
RADIATION/ULTRA VIOLET	-	-	-	-	4	2	-	-	-	-	-	-	-	-	-	-
SCRATCH/ABRASION	-	-	4	4	4	6	-	-	-	-	21	-	5	21	5	5
STRAIN/SPRAIN	-	-	5	5	5	7	-	-	-	-	19	-	4	19	4	4
MULTIPLE INJURIES	1	-	142	142	142	180	6,000	-	-	-	2,565	-	18	2,565	18	18
OTHER INJURY, NEC	-	-	25	25	25	44	-	-	-	-	790	-	32	790	32	32
UNCLASSIFIED (NO DATA)	-	-	3	3	3	7	-	-	-	-	36	-	12	36	12	12
TOTAL OR AVERAGE	3	12	355	367	370	611	18,000	1,185	-	-	9,682	99	24	27,682	75	75

TABLE 21. - OCCURRENCES REPORTED TO NIOSH AS OCCUPATIONAL ILLNESSES AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTOXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
UNDERGROUND MINES:								
UNDERGROUND:								
GOLD:								
NEVADA	-	-	-	1	-	-	-	1
TOTAL	-	-	-	1	-	-	-	1
TOTAL UNDERGROUND:								
GOLD:								
NEVADA	-	-	-	1	-	-	-	1
TOTAL	-	-	-	1	-	-	-	1
SURFACE MINES:								
STRIP:								
COPPER:								
ARIZONA	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
GOLD:								
NEVADA	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
URANIUM:								
TEXAS	-	-	-	-	1	1	-	1
TOTAL	-	-	-	-	1	1	-	1
TOTAL SURFACE								
COPPER:								
ARIZONA	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
GOLD:								
NEVADA	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
URANIUM:								
TEXAS	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
TOTAL MINING:								
COPPER:								
ARIZONA	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
GOLD:								
NEVADA	-	-	-	1	1	-	-	2
TOTAL	-	-	-	1	1	-	-	2
URANIUM:								
TEXAS	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1991 (CONTINUED)

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	DUST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTXIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
PROCESSING PLANT:								
GOLD:								
CALIFORNIA-----	1	-	-	-	-	-	-	1
NEVADA-----	-	-	-	1	-	-	-	1
TOTAL-----	1	-	-	1	-	-	-	2
TOTAL MINES AND PLANTS:								
COPPER:								
ARIZONA-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
GOLD:								
CALIFORNIA-----	1	-	-	-	-	-	-	1
NEVADA-----	-	-	-	2	1	-	-	3
TOTAL-----	1	-	-	2	1	-	-	4
URANIUM:								
TEXAS-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
OFFICE:								
GOLD:								
NEVADA-----	-	-	-	-	-	-	1	1
TOTAL-----	-	-	-	-	-	-	1	1
GRAND TOTAL:								
COPPER:								
ARIZONA-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
GOLD:								
CALIFORNIA-----	1	-	-	-	-	-	-	1
NEVADA-----	-	-	-	2	1	-	1	4
TOTAL-----	1	-	-	2	1	-	1	5
URANIUM:								
TEXAS-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
TOTAL OR AVERAGE-----	1	-	-	2	1	2	1	7

TABLE 22 - RELATED NONCOAL MINING SUMMARY REFERENCE TABULATION, NUMBER OF INJURIES, INCIDENCE RATES, AVERAGE NUMBER OF WORKERS, AND EMPLOYEE-HOURS BY MINERAL INDUSTRY AND WORK LOCATION, 1991
(CONTRACTOR DATA)

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES:										
METAL-----	-		55		39		94			
NONMETAL-----	-		9		10		19			
STONE-----	-		-		-		-			
TOTAL, UNDERGROUND MINES-----	-		64	6.04	49	4.63	113	10.67	2,366	2,118,916
SURFACE MINES:										
METAL-----	3		146		63		212			
NONMETAL-----	3		20		5		28			
STONE-----	1		40		23		64			
SUBTOTAL, SURFACE MINES-----	7		206		91		304			
SAND AND GRAVEL-----	2		13		4		19			
TOTAL, SURFACE MINES-----	9	11	219	2.60	95	1.13	323	3.83	14,392	16,850,489
TOTAL, MINES-----	9	.09	283	2.98	144	1.52	436	4.60	16,758	18,969,405
MILLS:										
METAL-----	-		161		137		298			
NONMETAL-----	-		43		45		88			
STONE-----	3		105		96		204			
TOTAL, MILLS-----	3	.05	309	5.54	278	4.99	590	10.58	10,254	11,153,314
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-		2		-		2			
NONMETAL-----	-		-		-		-			
STONE-----	-		-		-		-			
TOTAL, SHOPS AND YARDS-----	-		2	47.14	-		2	47.14	14	8,485
ALL MINES, MILLS AND SHOPS:										
METAL-----	3		364		239		606			
NONMETAL-----	3		72		60		135			
STONE-----	4		145		119		268			
SUBTOTAL-----	10		581		418		1,009			
SAND AND GRAVEL-----	2		13		4		19			
TOTAL, MINES/MILLS/SHOPS-----	12	.08	594	3.94	422	2.80	1,028	6.82	27,026	30,131,204
OFFICEWORKERS:										
METAL-----	-		3		2		5			
NONMETAL-----	-		-		-		-			
STONE-----	-		1		-		1			
SAND AND GRAVEL-----	-		-		-		-			
TOTAL, OFFICEWORKERS-----	-		4	.38	2	.19	6	.56	1,647	2,132,325
SUMMARY TOTAL (INCLUDES OFFICE- WORKERS):										
METAL-----	3		367		241		611			
NONMETAL-----	3		72		60		135			
STONE-----	4		146		119		269			
SUBTOTAL-----	10		585		420		1,015			
SAND AND GRAVEL-----	2		13		4		19			
GRAND TOTAL-----	12	.07	598	3.71	424	2.63	1,034	6.41	28,673	32,263,529

TABLE 23 - RELATED COAL MINING SUMMARY REFERENCE TABULATION, NUMBER OF INJURIES, INCIDENCE RATES, AVERAGE NUMBER OF WORKERS, EMPLOYEE-HOURS AND PRODUCTION BY TYPE OF COAL MINED AND WORK LOCATION, 1991 (CONTRACTOR DATA)

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)
BITUMINOUS COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	1		130		41		172				
SURFACE-----	1		51		17		69				
TOTAL, UNDERGROUND MINES--	2		181		58		241				
SURFACE MINES:											
STRIP MINES-----	4		121		53		178				
AUGER MINES-----	-		11		5		16				
OTHER SURFACE MINES-----	-		2		-		2				
TOTAL, SURFACE MINES-----	4		134		58		196				
TOTAL, PRODUCTION MINING--	6		315		116		437				
PREPARATION PLANTS-----	1		146		51		198				
INDEPENDENT SHOPS/YARDS-----	-		-		-		-				
TOTAL, OTHER OPERATIONS--	1		146		51		198				
TOTAL, BITUMINOUS MINING--	7		461		167		635				
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	-		-		-		-				
SURFACE-----	-		1		-		1				
TOTAL, UNDERGROUND MINES--	-		1		-		1				
SURFACE MINES:											
STRIP MINES-----	-		-		-		-				
CULM BANK-----	-		-		-		-				
DREDGE-----	-		-		-		-				
TOTAL, SURFACE MINES-----	-		-		-		-				
TOTAL, PRODUCTION MINING--	-		1		-		1				
PREPARATION PLANTS-----	-		2		-		2				
INDEPENDENT SHOPS/YARDS-----	-		-		-		-				
TOTAL, OTHER OPERATIONS--	-		2		-		2				
TOTAL, ANTHRACITE MINING--	-		3		-		3				
ALL COAL:											
UNDERGROUND MINES:											
UNDERGROUND-----	1	.10	130	12.93	41	4.08	172	17.10	1,871	2,011,166	278,361
SURFACE-----	1	.05	52	2.67	17	.87	70	3.60	4,755	3,892,369	-
TOTAL, UNDERGROUND MINES--	2	.07	182	6.17	58	1.96	242	8.20	6,626	5,903,535	278,361
SURFACE MINES:											
STRIP MINES-----	4	.07	121	2.12	53	.93	178	3.11	10,291	11,441,645	637,537
AUGER MINES-----	-		11	9.24	5	4.20	16	13.44	309	238,155	559,284
CULM BANK-----	-		2	3.73	-	-	2	3.73	204	107,301	161,725
DREDGE-----	-		-	-	-	-	-	-	27	23,761	-
TOTAL, SURFACE MINES-----	4	.07	134	2.27	58	.98	196	3.32	10,831	11,810,862	1,358,546
TOTAL, PRODUCTION MINING--	6	.07	316	3.57	116	1.31	438	4.95	17,457	17,714,397	1,636,907
PREPARATION PLANTS-----	1	.04	148	5.48	51	1.89	200	7.40	5,000	5,402,521	-
INDEPENDENT SHOPS/YARDS-----	-		-	-	-	-	-	-	-	-	-
TOTAL, OTHER OPERATIONS--	1	.04	148	5.48	51	1.89	200	7.40	5,000	5,402,521	-
TOTAL, ALL COAL-----	7	.06	464	4.01	167	1.44	638	5.52	22,457	23,116,918	1,636,907
OFFICEWORKERS:											
BITUMINOUS-----	-		4		2		6				
ANTHRACITE-----	-		-		-		-				
TOTAL, OFFICEWORKERS-----	-		4	.43	2	.21	6	.64	1,585	1,881,638	-
GRAND TOTAL -----	7	.06	468	3.74	169	1.35	644	5.15	24,042	24,998,556	1,636,907

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