Injury Experience in Metallic Mineral Mining, 1989

U.S. Department of Labor
Elizabeth H. Dole, Secretary

Mine Safety and Health Administration
William J. Tattersall, Assistant Secretary

Information Report

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INJURY EXPERIENCE IN METALLIC MINERAL MINING, 1989

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 1989. 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; 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

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

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. 10) 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>2/</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

3/ 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								
	22	22				22	22					21	
	23	23				23	23						23
Employment size group	4	4	4			4	4	4	4				
Kind of mineral	5			5	5								
	6	6				6	6	6	6				
	7			7	7								
	15										15		
State				16							16		
												21	
	6	6	6			6	6	6	6				
	7			7	7								
Part of body injured	13										13		
				14							14		
												21	
	8	8	8										
Nature of injury	9			9	9								
	12			12	12								
	19			19	19								
	10	10	10										
Occupation at time of injury	11			11	11								
	12			12	12								
	20			20	20								
	17			17	17								
Accident classification	18			18	18								
	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.

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

Quarterly Mine Employment
and Coal Production Report

Do Not Write In This Space

This report is required by law (30 U.S.C. § 813; 30 C.F.R. Part 90). Failure to report can result in the institution of a civil action for relief under 30 U.S.C. § 818, 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, 813, 820), knowingly makes a false statement or 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(b). 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. § 1001.

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

Important:

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

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 as required by 30 C.F.R., Part 90.
6. All mine operators and independent contractors reporting as required by 30 C.F.R., Part 90, should show persons working and employee-hours worked, those producing coal above also production data.
7. Independent Contractors should complete quarterly only one form for activities at all local locations, and one form for activities at all metal and nonmetal locations.

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

County

Operation Name

Operating Company Name and Address

Return To MSHA

1. Persons Working, Employee-Hours, and Coal Production				
(1) Operation Sub Unit Code(s) previously reported:	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)	05			
Dredge	06			
Other Surface Mining (Metal/Nonmetal Only)	12			
Independent Shops or Yards	17			
Mill Operations, Preparation Plant, or Breaker (includes 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		
Person to be contacted regarding this report				

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, OMS No. 1219-0007, 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	
		Month	Day
		Year	
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: 01 Surface at Underground Mine 02 Mill, Preparation Plant, etc. 03 Strip/Open Pit Mine 04 Surface Auger Operation			
05 Culm Bank/Refuse Pile 06 Dredge Mining 12 Other Surface Mining 17 Independent Shop (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 Caving 08 Other			
6. Date of Accident		7. Time of Accident	
Month	Day	Year	
			☐ 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	
Month	Day	Year	
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)		24. 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	
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			
28. Permanently Transferred or Terminated (if checked, complete items 29, 30, & 31)			
29. Date Returned to Regular Job at Full Capacity (or item 29)		30. Number of Days Away from Work (if none, enter 0)	
Month	Day	Year	
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 33387, 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, 1989

	EXCLUDING OFFICEMAKERS					INCLUDING OFFICEMAKERS				
	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
NUMBER OF INJURIES:										
FATAL	15	7	14	9	11	15	15	14	9	11
MFDL	1,206	1,252	1,703	2,239	2,329	1,213	1,255	1,710	2,243	2,340
TOTAL LWD INJURIES	1,221	1,259	1,717	2,248	2,340	1,228	1,262	1,724	2,252	2,351
NOL	1,068	936	1,321	1,728	2,036	1,073	941	1,326	1,740	2,045
TOTAL INJURIES	2,289	2,195	3,038	3,976	4,376	2,301	2,203	3,050	3,992	4,397
INCIDENCE RATES:										
FATAL	.04	.02	.01	.02	.02	.04	.02	.03	.02	.02
MFDL	3.37	3.85	4.76	5.37	5.01	2.59	3.42	4.25	4.79	4.47
ALL LWD INJURIES	3.41	3.88	4.80	5.39	5.04	3.03	3.44	4.29	4.81	4.49
NOL	2.98	2.88	3.69	4.14	4.38	2.65	2.56	3.30	3.71	3.91
ALL INJURIES	6.39	6.76	8.49	9.53	9.42	5.68	6.00	7.58	8.52	8.40
SEVERITY MEASURES:										
FATAL	251	129	235	129	142	222	114	209	115	125
MFDL	167	129	170	196	218	148	115	152	174	194
ALL LWD INJURIES	418	259	404	325	360	370	229	361	290	320
AVERAGE SEVERITY:										
PERMANENT PARTIAL	269	122	246	182	482	269	122	246	182	482
TEMPORARY MFDL	36	26	30	32	28	36	27	30	32	27
ALL LWD INJURIES	123	67	84	60	72	122	67	84	60	71
AVERAGE NUMBER OF EMPLOYEES	38,685	34,352	37,598	42,210	47,152	43,961	39,061	42,278	47,661	53,275
EMPLOYEE-HOURS WORKED	71,648,637	64,955,614	71,608,552	83,454,685	92,921,424	81,007,890	73,463,984	80,432,206	93,710,249	104,633,464
AVERAGE HOURS PER EMPLOYEE	1,852	1,891	1,905	1,977	1,971	1,843	1,881	1,898	1,965	1,964
OPERATIONS REPORTED	731	690	701	715	693	750	711	722	746	708
NUMBER OF OPERATIONS	340	297	324	313	343	744	703	727	742	785
ASSOCIATED WORK LOCATIONS										

TABLE 2 - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OCCURRENCES	ASSOCIATED WORK LOCATION																					
	FATAL	NFDL					TOTAL INJURIES	TOTAL FATAL AND NFDL	TOTAL NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES					FATAL	NFDL	ALL FATAL AND NFDL																		
		PERMANENT	TEMPORARY	TOTAL	TOTAL FATAL AND NFDL	TOTAL NFDL															FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL											
																												TOTAL	PARTIAL	TOTAL	NFDL	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
8	-	28	3	636	91	644	498	1,142	11	8.56	4.70	8.66	6.70	15.36	646	498	1,145	7,751	14,855,632	211	168																	
UNDERGROUND MINES:																																						
UNDERGROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
SURFACE AT UNDERGROUND	8	-	31	-	636	727	735	577	1,312	09	7.76	7.85	7.85	6.16	14.01	512	456	969	9,923	18,735,718	233	168																
TOTAL OR AVERAGE																																						
SURFACE MINES:																																						
OPEN PIT	1	-	18	-	646	664	665	489	1,154	.01	4.16	4.16	4.16	3.06	7.23	38	174	212	15,940	31,944,491	294	-																
DREDGE	-	-	1	-	30	31	-	55	86	-	6.19	6.19	6.19	10.98	17.16	-	131	131	464	1,002,126	7	-																
OTHER SURFACE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
TOTAL OR AVERAGE	1	-	19	-	676	695	696	544	1,240	.01	4.22	4.23	4.23	3.30	7.53	36	173	269	16,404	32,946,617	301	-																
MINING																																						
TOTAL OR AVERAGE	9	-	50	-	1,372	1,422	1,431	1,121	2,552	.03	5.50	5.54	5.54	4.34	9.88	269	276	485	26,327	51,682,335	534	168																
INDEPENDENT SHOPS	-	-	-	-	15	15	15	12	27	-	3.97	3.97	3.97	3.18	7.15	-	66	66	365	754,825	5	-																
PROCESSING PLANTS	2	-	32	-	860	892	894	903	1,797	.01	4.41	4.42	4.42	4.46	8.88	59	148	207	20,460	40,484,258	154	181																
TOTAL OR AVERAGE, ALL MINES AND PLANTS	11	-	82	-	2,247	2,329	2,340	2,036	4,376	.02	5.01	5.04	5.04	4.36	9.42	142	218	360	47,152	92,921,424	683	349																
OFFICE	-	-	-	-	11	11	11	10	21	-	.19	.19	.19	.17	.36	-	2	2	6,123	11,712,046	15	436																
GRAND TOTAL OR AVERAGE	11	-	82	-	2,258	2,340	2,340	2,046	4,397	.02	4.47	4.49	4.49	3.91	8.40	126	194	320	53,275	104,633,464	708	785																

TABLE 3. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION	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	PARTIAL							
			TOTAL	PARTIAL													
UNDERGROUND MINES: UNDERGROUND SURFACE AT UNDERGROUND TOTAL OR AVERAGE	8 - 8 8	- - - -	28 3 31	508 88 696	636 91 727	644 91 735	498 79 577	1,142 170 1,312	48,000 - 48,000	- - -	18,850 3,100 21,950	18,267 2,538 20,805	37,117 5,638 42,755	573 1,033 708	30 29 30	132 62 123	
SURFACE MINES: OPEN PIT DREDGE OTHER SURFACE TOTAL OR AVERAGE TOTAL OR AVERAGE MINING	1 - - - 1 9	- - - - - -	18 1 - 19 50	646 30 676 1,372	664 31 695 1,422	665 31 696 1,431	489 55 544 1,121	1,154 86 1,240 2,552	6,000 - 6,000 54,000	- - -	10,120 50 10,170 32,120	17,584 605 18,283 39,094	27,804 655 28,459 71,214	562 50 535 642	27 20 27 28	51 21 50 88	
INDEPENDENT SHOPS: TOTAL OR AVERAGE	-	-	-	15	15	15	12	27	-	-	-	250	250	-	17	17	
PROCESSING PLANTS: TOTAL OR AVERAGE	2	-	32	860	892	894	903	1,797	12,000	-	7,365	22,584	29,949	230	26	47	
TOTAL OR AVERAGE, ALL MINES AND PLANTS: TOTAL OR AVERAGE	11	-	82	2,247	2,329	2,340	2,036	4,376	66,000	-	39,485	61,928	101,413	482	28	72	
OFFICE: TOTAL OR AVERAGE	-	-	-	11	11	11	10	21	-	-	-	136	136	-	12	12	
GRAND TOTAL OR AVERAGE: TOTAL OR AVERAGE	11	-	82	2,258	2,340	2,351	2,046	4,397	66,000	-	39,485	62,064	101,549	482	27	71	

TABLE 4. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENT RATES	SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION			
	FATAL	NFDL				TOTAL FATAL AND NFDL		TOTAL INJURIES	FATAL	NFDL					ALL FATAL AND NFDL		
		PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL												
																TOTAL	PARTIAL
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):																	
1 - 4	1	-	-	9	9	10	4	14	8.31	9.23	3.59	12.92	5.539	263	216,644	98	41
5 - 9	-	-	-	6	6	6	7	13	-	4.76	5.56	10.32	548	242	251,966	38	35
10 - 19	-	-	-	25	25	25	18	43	-	8.85	6.37	15.22	105	241	965,148	24	23
20 - 34	2	-	3	63	63	63	48	117	44	14.75	10.57	25.76	946	555	968,404	22	20
35 - 49	-	3	2	40	40	40	46	86	-	6.00	6.90	12.89	620	696	1,333,873	16	16
50 - 99	1	4	4	97	97	97	75	173	10	10.02	7.75	17.87	635	975	2,100,368	13	12
100 - 149	-	8	5	89	97	83	56	183	09	9.24	8.19	17.43	542	984	2,214,404	8	8
150 - 249	1	5	7	82	82	83	237	544	07	7.41	5.06	11.82	391	4,745	9,208,150	5	5
250 OR MORE	3	9	304	727	735	577	1,312	09	7.76	7.85	6.16	14.01	456	9,923	18,735,718	7	7
TOTAL OR AVERAGE	8	-	31	696	727	735	577	1,312	09	7.76	7.85	6.16	456	9,923	18,735,718	233	188
SURFACE MINES: OPEN PIT:																	
1 - 4	-	-	1	7	8	8	4	12	-	5.66	5.66	2.83	8.49	317	282,575	130	-
5 - 9	-	-	1	11	11	11	8	19	-	5.91	5.91	4.30	10.22	266	371,973	40	-
10 - 19	-	-	-	14	14	14	12	26	-	4.85	4.85	2.08	6.03	336	577,651	25	-
20 - 34	-	-	-	19	19	19	12	29	-	3.95	3.95	3.17	9.52	539	961,357	21	-
35 - 49	-	-	-	24	24	24	12	36	-	6.35	6.35	3.16	7.57	454	756,300	11	-
50 - 99	-	2	2	71	71	71	51	122	-	4.40	4.40	3.73	8.79	1,647	3,294,727	23	-
100 - 149	-	3	3	103	106	106	78	184	-	5.06	5.06	2.28	5.36	2,049	4,187,801	17	-
150 - 249	-	2	2	54	54	54	40	94	-	3.08	3.08	2.28	5.36	1,602	3,511,647	8	-
250 OR MORE	1	-	9	348	357	358	274	632	01	3.95	3.95	3.03	6.98	8,730	18,070,460	19	-
TOTAL OR AVERAGE	1	-	18	646	664	665	489	1,154	01	4.16	4.16	3.06	7.23	15,940	31,944,491	294	-
DREDGE:																	
1 - 4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,360	1	-
5 - 9	-	-	-	5	5	5	-	5	-	25.23	25.23	-	212	17	20,632	1	-
10 - 19	-	-	1	25	25	25	47	73	-	9.31	9.31	16.82	219	244	558,711	4	-
20 - 34	-	-	-	-	-	-	8	8	-	-	-	3.98	-	202	402,423	1	-
35 - 49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 - 149	-	-	-	30	31	31	55	86	-	6.19	6.19	10.98	17.16	464	1,002,125	7	-
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	55	55	55	12	12	-	5.64	5.64	2.82	8.45	318	283,935	131	-
SURFACE: TOTAL OR AVERAGE:																	
1 - 4	-	-	1	8	8	8	4	12	-	5.91	5.91	4.30	10.22	2,092	371,973	40	-
5 - 9	-	-	1	11	11	11	8	19	-	6.16	6.16	3.83	10.04	266	577,651	25	-
10 - 19	-	-	-	19	19	19	12	26	-	3.95	3.95	2.08	6.03	539	961,357	21	-
20 - 34	-	-	-	24	24	24	12	36	-	6.35	6.35	3.17	9.52	697	756,300	11	-
35 - 49	-	-	-	71	71	71	51	122	-	4.40	4.40	3.73	8.79	1,891	3,783,438	27	-
50 - 99	-	3	3	94	97	97	98	195	-	5.13	5.13	3.73	8.79	2,049	4,187,801	17	-
100 - 149	-	3	2	103	106	106	98	184	-	5.06	5.06	2.45	5.21	1,804	3,914,070	9	-
150 - 249	-	9	9	348	357	358	274	632	01	3.95	3.95	3.03	6.98	8,730	18,070,460	19	-
250 OR MORE	1	-	19	676	695	695	544	1,240	01	4.22	4.22	3.30	7.53	16,404	32,946,617	301	-
TOTAL OR AVERAGE	1	-	19	676	695	695	544	1,240	01	4.22	4.22	3.30	7.53	16,404	32,946,617	301	-

TABLE 4. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL					ALL FATAL AND NFDL																		
		PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NFDL													TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL											
																										TOTAL	PARTIAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
TOTAL OR AVERAGE, MINING:																																				
1 - 4	1	-	1	16	17	18	40	5.79	7.19	3.20	2.397	1.256	3.653	581	500,579	230	41																			
5 - 9	-	-	1	16	17	17	-	5.45	5.45	4.81	-	310	310	508	623,972	78	35																			
10 - 19	-	-	1	44	44	44	-	7.44	7.44	5.07	-	122	122	594	1,182,431	50	23																			
20 - 34	2	-	3	83	86	88	21	9.20	9.41	5.07	1,284	495	1,779	1,134	1,869,761	43	20																			
35 - 49	-	-	2	62	64	64	-	6.12	6.12	5.55	-	175	175	1,150	2,090,173	27	16																			
50 - 99	1	-	7	187	194	195	03	6.78	6.82	5.95	210	300	505	2,866	5,720,156	40	12																			
100 - 149	-	-	11	152	203	203	03	6.46	6.46	5.22	195	392	587	3,033	5,298,169	25	8																			
150 - 249	1	-	7	129	136	137	03	4.44	4.47	3.39	195	147	343	2,886	5,128,474	15	5																			
250 OR MORE	4	-	18	543	561	565	03	4.85	4.88	3.75	176	258	434	13,475	27,278,620	26	7																			
TOTAL OR AVERAGE	9	-	50	1,372	1,422	1,431	03	5.50	5.54	4.34	209	276	485	26,327	51,682,335	534	168																			
TOTAL OR AVERAGE, INDEPENDENT SHOPS:																																				
1 - 4	-	-	-	-	-	-	-	-	-	9.27	9.27	-	-	15	21,579	2	-																			
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	13	26,533	1	-																			
10 - 19	-	-	-	5	8	8	-	10.32	10.32	5.16	-	90	90	73	155,028	1	-																			
20 - 34	-	-	-	7	7	7	-	2.54	2.54	2.54	-	65	65	264	551,550	1	-																			
35 - 49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
100 - 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
250 OR MORE	-	-	-	15	15	15	-	3.97	3.97	3.18	-	66	66	365	754,830	5	-																			
TOTAL OR AVERAGE	-	-	-	15	15	15	-	3.97	3.97	3.18	-	66	66	365	754,830	5	-																			
TOTAL OR AVERAGE, PROCESSING PLANTS:																																				
1 - 4	-	-	-	5	5	5	-	5.54	5.54	6.65	-	119	119	166	180,514	43	26																			
5 - 9	-	-	-	17	17	17	-	7.76	7.76	4.56	-	225	225	287	438,399	19	23																			
10 - 19	-	-	-	41	46	46	-	5.23	5.23	3.98	-	419	419	522	1,750,388	26	46																			
20 - 34	-	-	-	56	60	60	-	4.93	4.93	5.25	-	116	116	1,268	2,436,437	23	26																			
35 - 49	-	-	-	54	56	56	-	5.21	5.21	4.56	-	120	120	1,079	2,149,424	13	13																			
50 - 99	-	-	-	82	85	85	-	4.35	4.35	5.07	-	165	165	1,976	3,903,903	10	19																			
100 - 149	-	-	-	47	48	48	-	3.55	3.55	2.29	-	52	52	1,410	2,702,965	3	9																			
150 - 249	-	-	-	104	107	107	-	2.96	2.96	4.39	-	69	69	3,412	7,241,525	7	11																			
250 OR MORE	2	-	16	452	468	470	02	4.76	4.76	4.58	122	168	290	9,870	19,670,704	10	8																			
TOTAL OR AVERAGE	2	-	32	860	892	894	01	4.41	4.42	4.46	58	148	207	20,460	40,484,259	154	181																			

TABLE 4. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR WORK LOCATION AND EMPLOYMENT SIZE GROUP AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION
	FATAL	MTDL				TOTAL FATAL AND MTDL	TOTAL INJURIES	FATAL	MTDL	ALL FATAL AND MTDL	ALL INJURIES	FATAL	MTDL						
		PERMANENT	TEMPORARY	TOTAL MTDL	TOTAL														
														PARTIAL	TOTAL				
TOTAL OR AVERAGE ALL MINES AND PLANTS:	1	-	1	21	22	37	29	6.46	6.75	4.11	10.86	1,762	954	2,716	747	681,093	273	67	
1 - 4	-	-	1	33	34	60	-	6.27	6.27	4.80	11.07	-	269	269	810	1,083,960	99	58	
5 - 9	-	-	5	85	90	155	-	6.06	6.06	4.38	11.44	-	281	281	1,589	2,959,432	77	59	
10 - 19	2	-	5	141	148	270	09	5.78	5.67	5.67	12.34	557	281	838	2,402	4,306,198	66	46	
20 - 34	-	-	4	116	120	227	-	5.66	5.66	5.05	10.71	-	118	118	2,229	4,228,597	49	23	
35 - 49	1	-	10	277	287	564	02	5.87	5.88	4.34	11.53	123	243	365	4,915	9,779,087	51	31	
50 - 99	-	-	12	239	251	446	-	5.56	5.56	4.34	9.92	-	290	290	4,443	6,991,154	28	28	
100 - 149	1	-	10	233	243	507	01	3.64	3.65	3.33	7.56	90	105	195	6,298	13,369,999	22	17	
150 - 249	-	-	34	1,102	1,142	2,110	03	4.78	4.81	4.08	8.88	152	218	370	23,609	47,500,914	37	15	
250 OR MORE	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	11	-	82	2,247	2,329	4,376	02	5.01	5.04	4.38	9.42	142	218	360	47,152	92,921,424	683	349	
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	-	-	-	1	1	2	-	32	32	32	64	-	2	2	467	621,339	11	223	
5 - 9	-	-	-	1	1	2	-	22	22	22	45	-	3	3	457	896,815	1	73	
10 - 19	-	-	-	4	4	7	-	54	54	41	96	-	15	13	773	1,470,535	1	58	
20 - 34	-	-	-	1	1	5	-	10	10	35	49	-	(*)	(*)	1,051	2,028,471	1	41	
35 - 49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,771	1,633,964	-	19	
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	574	1,876,263	1	14	
100 - 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	356	710,712	-	3	
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	801	1,656,265	-	4	
250 OR MORE	-	-	-	4	4	5	-	98	98	24	1.22	-	4	4	431	817,658	-	1	
TOTAL OR AVERAGE	-	-	-	11	11	21	-	19	19	17	36	-	2	2	6,123	11,712,040	15	436	
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 - 4	1	-	1	22	23	39	15	3.53	3.69	2.30	5.99	321	500	1,421	1,214	1,302,432	284	290	
5 - 9	-	-	5	34	35	62	-	3.53	3.53	2.73	6.26	-	149	149	1,307	1,960,755	100	131	
10 - 19	-	-	5	89	94	152	-	4.23	4.23	3.06	8.68	-	203	203	2,472	2,439,967	78	127	
20 - 34	2	-	5	142	149	275	06	4.64	4.70	3.98	8.73	379	191	570	3,000	6,334,902	67	87	
35 - 49	-	-	4	116	120	227	02	4.80	4.80	4.09	7.73	103	85	85	3,889	5,873,596	40	48	
50 - 99	1	-	10	277	287	564	-	4.92	4.94	4.02	9.68	-	204	204	11,655	9,701,956	50	45	
100 - 149	-	-	12	239	251	446	-	5.17	5.17	4.02	5.19	-	269	269	7,881	15,026,264	26	20	
150 - 249	1	-	10	233	243	507	01	3.23	3.23	3.50	6.75	80	93	173	7,095	48,318,572	22	21	
250 OR MORE	6	-	34	1,106	1,146	2,115	02	4.72	4.74	4.01	8.75	149	215	364	24,040	48,318,572	37	16	
TOTAL OR AVERAGE	11	-	82	2,258	2,340	4,397	02	4.47	4.49	3.91	8.40	126	194	320	53,275	104,533,454	708	785	

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, 1989

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPO- RARY					
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):															
1 - 4	1	9	-	9	4	14	6,000	-	-	-	-	173	6,173	19	617
5 - 9	-	6	-	6	7	13	-	-	-	-	-	590	1,115	115	236
10 - 19	-	25	-	25	18	43	-	-	-	-	-	550	22	22	23
20 - 34	2	64	-	64	48	117	12,000	-	3,100	-	-	1,156	1,033	21	124
35 - 49	-	38	-	38	46	86	-	-	125	-	-	915	62	21	101
50 - 99	1	97	-	97	75	173	6,000	-	4,100	-	-	2,047	1,025	21	107
100 - 149	-	87	-	87	86	173	-	-	7,900	-	-	9,754	588	27	115
150 - 249	1	77	-	77	56	133	6,000	-	825	-	-	8,900	105	39	107
250 OR MORE	3	304	-	304	237	544	18,000	-	5,900	-	-	17,328	656	30	123
TOTAL OR AVERAGE	8	696	31	727	577	1,312	48,000	-	21,950	-	-	42,755	708	30	123
SURFACE MINES: OPEN PIT:															
1 - 4	-	7	-	7	4	12	-	-	2,850	-	-	120	2,970	17	371
5 - 9	-	11	-	11	8	19	-	-	150	-	-	131	277	13	259
10 - 19	-	14	-	14	12	26	-	-	-	-	-	131	131	9	17
20 - 34	-	19	-	19	10	29	-	-	-	-	-	331	331	17	12
35 - 49	-	24	-	24	21	36	-	-	290	-	-	290	145	22	23
50 - 99	-	63	-	63	51	122	-	-	340	-	-	1,807	1,807	22	25
100 - 149	-	106	-	106	78	184	-	-	1,517	-	-	2,568	1,113	22	24
150 - 249	-	52	-	52	40	94	-	-	1,000	-	-	1,602	50	22	30
250 OR MORE	1	348	-	348	274	632	6,000	-	6,300	-	-	17,828	710	28	67
TOTAL OR AVERAGE	1	646	18	664	489	1,154	6,000	-	10,120	-	-	27,804	562	27	51
DREDGE:															
1 - 4	-	5	-	5	-	5	-	-	-	-	-	42	42	-	-
5 - 9	-	26	-	26	47	73	-	-	50	-	-	563	613	8	8
10 - 19	-	1	-	1	8	8	-	-	-	-	-	-	-	23	24
20 - 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35 - 49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 - 149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150 - 249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 OR MORE	-	-	-	-	-	-	-	-	-	-	-	-	-	20	21
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50
UNDERGROUND MINES (INCLUDES SURFACE AT UNDERGROUND):															
1 - 4	-	7	-	7	4	12	-	-	2,850	-	-	120	2,970	17	371
5 - 9	-	11	-	11	8	19	-	-	150	-	-	131	277	13	259
10 - 19	-	14	-	14	12	26	-	-	-	-	-	131	131	9	17
20 - 34	-	19	-	19	10	29	-	-	-	-	-	331	331	17	12
35 - 49	-	24	-	24	21	36	-	-	340	-	-	2,568	1,113	22	25
50 - 99	-	63	-	63	51	122	-	-	340	-	-	2,568	1,113	22	24
100 - 149	-	106	-	106	78	184	-	-	1,000	-	-	1,602	50	22	30
150 - 249	-	52	-	52	40	94	-	-	6,300	-	-	17,828	710	28	67
250 OR MORE	1	348	-	348	274	632	6,000	-	10,170	-	-	28,459	535	33	50
TOTAL OR AVERAGE	1	676	19	695	544	1,240	6,000	-	10,170	-	-	34,459	535	27	50

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, 1989 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	NFIL	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL	
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	PARTIAL						
TOTAL OR AVERAGE, MINING:																
1 - 4	1	-	1	17	18	26	8	6,000	-	2,850	293	3,143	9,143	2,850	18	508
5 - 9	-	-	1	16	17	32	15	-	-	150	817	967	967	51	57	
10 - 19	-	-	4	44	44	74	30	-	-	-	723	723	723	16	16	
20 - 34	2	-	3	83	86	146	58	12,000	-	3,100	1,528	4,628	16,629	18	188	
35 - 49	-	-	2	62	64	122	58	-	-	125	1,080	1,205	1,205	17	19	
50 - 99	1	-	7	187	194	368	173	6,000	-	4,440	4,127	8,567	14,567	22	217	
100 - 149	-	-	11	192	203	367	164	-	-	8,240	4,082	12,322	12,322	21	75	
150 - 249	1	-	7	129	136	241	104	6,000	-	925	3,577	4,502	10,902	28	61	
250 OR MORE	4	-	18	643	661	1,176	511	24,000	-	12,290	22,866	35,156	58,156	36	89	
TOTAL OR AVERAGE	9	-	50	1,372	1,431	2,552	1,121	54,000	-	32,120	39,094	71,214	125,214	28	88	
INDEPENDENT SHOPS:																
1 - 4	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
5 - 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 - 19	-	-	-	8	8	12	4	-	-	-	70	70	70	9	9	9
20 - 34	-	-	-	7	7	14	7	-	-	-	180	180	180	-	26	26
35 - 49	-	-	-	15	15	27	12	-	-	-	250	250	250	-	17	17
50 - 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100 - 149	-	-	-	5	5	11	6	-	-	-	107	107	107	-	21	21
150 - 249	-	-	5	17	17	27	10	-	-	-	493	493	493	-	29	29
250 OR MORE	-	-	5	41	46	81	35	-	-	3,200	488	3,688	3,688	-	12	23
TOTAL OR AVERAGE	-	-	32	860	894	1,737	393	-	-	7,365	22,594	29,949	41,949	230	26	47
PROCESSING PLANTS:																
1 - 4	-	-	-	5	5	11	6	-	-	-	107	107	107	-	21	21
5 - 9	-	-	-	17	17	27	10	-	-	-	493	493	493	-	29	29
10 - 19	-	-	-	41	46	81	35	-	-	3,200	488	3,688	3,688	-	12	23
20 - 34	-	-	2	58	60	124	64	-	-	3,560	1,064	1,414	1,414	-	18	30
35 - 49	-	-	2	54	56	106	49	-	-	3,500	702	1,202	1,202	-	13	24
50 - 99	-	-	3	82	85	184	99	-	-	1,540	1,690	3,230	3,230	-	21	38
100 - 149	-	-	1	47	48	79	31	-	-	50	654	704	704	-	14	25
150 - 249	-	-	3	104	107	266	159	-	-	150	2,354	2,504	2,504	-	14	25
250 OR MORE	2	-	16	452	468	920	450	12,000	-	1,485	15,032	16,517	28,517	53	33	61
TOTAL OR AVERAGE	2	-	32	860	894	1,737	393	12,000	-	7,365	22,594	29,949	41,949	230	26	47

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, 1989 (CONTINUED)

WORK LOCATION AND EMPLOYMENT SIZE GROUP	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	PARTIAL					
			TOTAL	PARTIAL											
											TOTAL				
TOTAL OR AVERAGE, ALL MINES AND PLANTS:															
1-4	1	-	1	-	23	14	37	6,000	2,850	-	400	3,250	2,850	19	402
5-9	-	-	33	-	34	26	60	-	150	-	1,310	1,460	150	40	43
10-19	-	-	85	-	90	65	135	-	3,200	-	2,211	4,411	540	13	49
20-34	2	-	141	-	148	122	270	12,000	3,450	-	2,533	6,043	590	18	122
35-49	-	-	107	-	120	107	227	6,000	715	-	1,782	2,497	588	15	21
50-99	1	-	277	-	283	276	564	6,000	5,980	-	5,887	11,867	591	20	52
100-149	1	-	239	-	251	195	446	6,000	8,200	-	4,136	13,026	108	25	53
150-249	1	-	233	-	244	263	507	36,000	1,075	-	5,931	7,006	405	35	77
250 OR MORE	6	-	1,102	-	1,142	988	2,110	55,000	13,775	-	38,076	51,853	482	28	72
TOTAL OR AVERAGE	11	-	2,247	-	2,340	2,035	4,376	66,000	39,485	-	61,928	101,413	482	27	167
OFFICE:															
1-4	-	-	1	-	1	1	2	-	-	-	5	5	-	5	5
5-9	-	-	1	-	1	1	7	-	-	-	15	15	-	15	15
10-19	-	-	4	-	4	4	5	-	-	-	95	95	-	24	24
20-34	-	-	1	-	1	4	5	-	-	-	5	5	-	5	5
35-49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50-99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100-149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150-249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250 OR MORE	-	-	4	-	4	1	5	-	-	-	16	16	-	4	4
TOTAL OR AVERAGE	-	-	11	-	11	10	21	-	-	-	136	136	-	12	12
GRAND TOTAL OR AVERAGE:															
1-4	1	-	22	-	24	15	39	6,000	2,850	-	405	3,255	2,850	18	386
5-9	-	-	34	-	35	27	62	-	150	-	1,325	1,475	150	39	42
10-19	-	-	89	-	94	68	162	-	3,200	-	2,586	4,506	540	15	48
20-34	2	-	142	-	149	126	275	12,000	3,450	-	2,598	6,048	590	18	121
35-49	-	-	116	-	120	107	227	6,000	715	-	1,782	2,497	588	15	21
50-99	1	-	277	-	288	276	564	6,000	5,980	-	5,887	11,867	591	20	52
100-149	1	-	239	-	251	195	446	6,000	8,200	-	4,136	13,026	108	25	53
150-249	1	-	233	-	244	263	507	36,000	1,075	-	5,931	7,006	405	35	77
250 OR MORE	6	-	1,106	-	1,146	988	2,115	55,000	13,775	-	38,094	51,869	482	27	167
TOTAL OR AVERAGE	11	-	2,258	-	2,349	2,046	4,397	66,000	39,485	-	62,064	101,549	482	27	167

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE- HOURS	NUMBER OF OPER- ATIONS	ASO- CIATED WORK LOCA- TION	
	FATAL	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJ- URIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT		TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL												NOL
		TOTAL	PARTIAL															
ALUMINUM ORE: SURFACE MINES: OPEN PIT: ARKANSAS TOTAL OR AVERAGE	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	29 29 29 29 29	63,423 63,423 63,423 63,423 63,423	2 2 2 2 2	- - - - -		
TOTAL OR AVERAGE, SURFACE: ARKANSAS TOTAL OR AVERAGE	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	29 29	63,423 63,423	2 2	- -	
TOTAL OR AVERAGE, MINING: ARKANSAS TOTAL OR AVERAGE	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	29 29	63,423 63,423	2 2	- -	
PROCESSING PLANTS: ARKANSAS GEORGIA LOUISIANA TEXAS VIRGIN ISLANDS TOTAL OR AVERAGE	- - - 1 - 1	2 - - 6 - 8	36 42 42 42 120	38 42 48 48	38 42 48 128	38 42 49 129	53 64 136 253	91 106 185 382	4.87 5.46 3.54 4.07	6.79 8.32 10.03 8.04	11.65 13.78 13.64 12.15	219 118 632 191	219 118 190 165	797 23 671 1,227 501 3,219	1,561,964 46,683 1,538,573 2,712,888 428,334 6,250,452	5 2 3 2 1 14	- - - - -	
TOTAL OR AVERAGE, ALL MINES AND PLANTS: ARKANSAS GEORGIA LOUISIANA TEXAS VIRGIN ISLANDS TOTAL OR AVERAGE	- - - 1 - 1	2 - - 6 8	36 42 42 120	38 42 48 128	38 42 48 128	38 42 49 129	53 64 136 253	91 106 185 382	4.68 5.46 3.54 4.03	6.52 8.32 10.03 7.96	11.20 13.78 13.64 12.02	211 118 632 189	211 118 190 164	826 23 671 1,227 501 3,248	1,625,387 46,683 1,538,573 2,712,888 428,334 6,353,875	8 2 3 2 1 15	- - - - -	
OFFICE: ARKANSAS GEORGIA LOUISIANA TEXAS VIRGIN ISLANDS TOTAL OR AVERAGE	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	- - - - - -	285 3 185 391 24 888	581,761 5,545 319,024 873,394 22,232 1,801,956	8 2 3 3 2 15	8 2 3 3 2 1 15	

TABLE 6 - INJURY EXPERIENCE BY DEGREE AND WORKLINE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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 INJURIES	FATAL	NFDL	AND NFDL	TOTAL	FATAL	NFDL	ALL FATAL AND NFDL				
		PERMANENT	TEMPO- RARY		TOTAL NFDL												
			TOTAL	PARTIAL													
ALUMINUM ORE-CONTINUED: GRAND TOTAL OR AVERAGE:																	
ARKANSAS	-	2		36	38	38		53	38	91		155	155	1.111	2,207,148	8	8
GEORGIA	-	-	-	42	42	42		64	42	106		98	98	.26	54,238	2	2
LOUISIANA	-	-	-	42	48	49		136	49	185		335	144	.856	1,857,597	3	3
TEXAS	1	6		42									478	1.618	3,586,282	2	2
VIRGIN ISLANDS	-	-	-	-	-	-		-	-	-		-	-	.525	450,566	1	1
TOTAL OR AVERAGE	1	8	120	128	128	129		253	129	382		147	275	4.136	8,155,831	16	16
ANTHONY: PROCESSING PLANTS: NEVADA	-	-	-	-	-	-		-	-	-		-	-	2	2,510	1	-
TOTAL OR AVERAGE	-	-	-	-	-	-		-	-	-		-	-	2	2,510	1	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS: NEVADA	-	-	-	-	-	-		-	-	-		-	-	2	2,510	1	-
TOTAL OR AVERAGE	-	-	-	-	-	-		-	-	-		-	-	2	2,510	1	-
GRAND TOTAL OR AVERAGE: NEVADA	-	-	-	-	-	-		-	-	-		-	-	2	2,510	1	-
TOTAL OR AVERAGE	-	-	-	-	-	-		-	-	-		-	-	2	2,510	1	-
BERYL: SURFACE MINES: OPEN PIT: UTAH	-	-	-	-	-	-		1	-	1		-	-	8	17,172	1	-
TOTAL OR AVERAGE	-	-	-	-	-	-		1	-	1		-	-	8	17,172	1	-
TOTAL OR AVERAGE, SURFACE: UTAH	-	-	-	-	-	-		1	-	1		-	-	8	17,172	1	-
TOTAL OR AVERAGE	-	-	-	-	-	-		1	-	1		-	-	8	17,172	1	-
TOTAL OR AVERAGE, MINING: UTAH	-	-	-	-	-	-		1	-	1		-	-	8	17,172	1	-
TOTAL OR AVERAGE	-	-	-	-	-	-		1	-	1		-	-	8	17,172	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, 1989 (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	NOL	ALL INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL																
																				TOTAL	PARTIAL
BERYL-CONTINUED: PROCESSING PLANTS: UTAH----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: UTAH----- TOTAL OR AVERAGE----- OFFICE: UTAH----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: UTAH----- TOTAL OR AVERAGE----- CHRONITE: OFFICE: MONTANA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: MONTANA----- TOTAL OR AVERAGE----- COBALT: UNDERGROUND MINES: SURFACE AT UNDERGROUND: IDAHO----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, UG: IDAHO----- TOTAL OR AVERAGE-----	- 																				

TABLE 6. INJURY EXPERIENCE BY DEGREE AND HOURS FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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	FATAL	NFDL	ALL FATAL AND NFDL	NFI	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT	PARTIAL	TEMPO- RARY	TOTAL NFDL										TOTAL FATAL AND NFDL				

COAL-CONTINUED																		
TOTAL OR AVERAGE, MINING:																		
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,010	1
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,010	1
TOTAL OR AVERAGE, ALL																		
MINES AND PLANTS:																		
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,010	1
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,010	1
OFFICE																		
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2,014	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2,014	-
GRAND TOTAL OR AVERAGE																		
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7,024	1
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	7,024	1
COPPER																		
UNDERGROUND MINES:																		
UNDERGROUND:																		
ARIZONA-----	-	-	79	85	85	122	-	6.31	6.31	2.75	9.06	-	777	777	1,503	2,653,757	5	-
KENTUCKY-----	-	-	45	45	45	65	-	7.59	7.59	5.74	14.33	-	233	233	561	1,185,404	3	-
MICHIGAN-----	-	-	-	-	-	1	-	-	-	36.76	36.76	-	-	-	7	5,441	2	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	18,691	1	-
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	-	124	130	130	208	-	6.66	6.66	4.00	10.65	-	607	607	2,080	3,904,293	11	-
SURFACE AT UNDERGROUND:																		
ARIZONA-----	-	-	6	7	7	10	-	2.79	2.79	1.19	3.96	-	93	93	273	502,578	1	5
KENTUCKY-----	-	-	6	6	6	4	-	2.63	2.63	1.75	4.36	-	160	160	229	456,236	-	3
NEW MEXICO-----	-	-	1	1	1	1	-	12.00	12.00	-	12.00	-	156	156	15	23,611	-	2
OREGON-----	-	-	13	14	14	21	-	2.80	2.80	1.40	4.20	-	123	123	527	999,085	1	11
TOTAL OR AVERAGE-----	-	-	1	14	14	7	-	2.80	2.80	1.40	4.20	-	123	123	527	999,085	1	11
TOTAL OR AVERAGE, UG:																		
ARIZONA-----	-	-	85	92	92	132	-	5.76	5.76	2.50	8.26	-	670	670	1,776	3,196,335	6	5
KENTUCKY-----	-	-	51	51	51	95	-	6.21	6.21	5.36	11.57	-	213	213	790	1,642,640	3	3
MICHIGAN-----	-	-	1	1	1	1	-	5.66	5.66	6.88	6.88	-	74	74	22	29,022	2	2
NEW MEXICO-----	-	-	1	1	1	1	-	5.66	5.66	-	5.66	-	74	74	19	35,351	1	1
OREGON-----	-	-	127	144	144	229	-	5.87	5.87	3.47	9.34	-	509	509	2,607	4,903,378	12	11
TOTAL OR AVERAGE-----	-	-	7	144	144	85	-	5.87	5.87	3.47	9.34	-	509	509	2,607	4,903,378	12	11

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPORARY																
			TOTAL	PARTIAL	TOTAL NFDL	TOTAL FATAL AND NFDL												NOL	TOTAL INJURIES
COPPER-CONTINUED: SURFACE MINES: OPEN PIT:																			
ARIZONA-----	-	3	91	94	94	94	2.94	2.94	3.62	6.56	-	122	122	3,221	6,401,171	13	-		
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4,702	1	-		
MONTANA-----	-	-	5	6	6	6	5.06	5.06	6.75	11.81	-	29	29	114	237,074	1	-		
NEVADA-----	-	-	3	3	3	3	17.51	17.51	5.84	23.34	-	64	64	30	34,273	1	-		
NEW MEXICO-----	-	1	17	18	18	18	1.90	1.90	3.80	5.70	-	200	200	876	1,895,039	3	-		
UTAH-----	-	-	16	16	16	16	2.42	2.42	6.50	8.91	-	69	69	639	1,323,753	1	-		
TOTAL OR AVERAGE-----	-	4	133	137	137	137	2.77	2.77	4.12	6.89	-	127	127	4,884	9,836,012	20	-		
TOTAL OR AVERAGE, SURFACE																			
ARIZONA-----	-	3	91	94	94	94	2.94	2.94	3.62	6.56	-	122	122	3,221	6,401,171	13	-		
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4,702	1	-		
MONTANA-----	-	-	5	6	6	6	5.06	5.06	6.75	11.81	-	29	29	114	237,074	1	-		
NEVADA-----	-	-	3	3	3	3	17.51	17.51	5.84	23.34	-	64	64	30	34,273	1	-		
NEW MEXICO-----	-	1	17	18	18	18	1.90	1.90	3.80	5.70	-	200	200	876	1,895,039	3	-		
UTAH-----	-	-	16	16	16	16	2.42	2.42	6.50	8.91	-	69	69	639	1,323,753	1	-		
TOTAL OR AVERAGE-----	-	4	133	137	137	137	2.77	2.77	4.12	6.89	-	127	127	4,884	9,836,012	20	-		
TOTAL OR AVERAGE, MINING:																			
ARIZONA-----	-	10	176	186	186	186	3.88	3.88	3.25	7.13	-	305	305	4,997	9,597,595	19	5		
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4,702	1	3		
MICHIGAN-----	-	-	51	51	51	51	6.21	6.21	5.36	11.57	-	213	213	790	1,642,640	3	-		
MONTANA-----	-	-	6	6	6	6	5.06	5.06	6.75	11.81	-	29	29	114	237,074	1	-		
NEVADA-----	-	-	3	3	3	3	17.51	17.51	5.84	23.34	-	64	64	30	34,273	1	-		
NEW MEXICO-----	-	1	17	18	18	18	1.87	1.87	3.85	5.72	-	197	197	898	1,924,091	5	2		
OREGON-----	-	-	1	1	1	1	5.66	5.66	5.66	5.66	-	74	74	19	35,351	1	1		
UTAH-----	-	-	16	16	16	16	2.42	2.42	6.50	8.91	-	69	69	639	1,323,753	1	-		
TOTAL OR AVERAGE-----	-	11	270	281	281	281	3.80	3.80	3.91	7.70	-	254	254	7,491	14,799,390	32	11		
PROCESSING PLANTS:																			
ARIZONA-----	-	4	64	68	68	68	2.31	2.31	4.28	6.59	-	69	69	2,996	5,887,816	10	7		
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,690	1	-		
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	16	23,788	1	-		
MICHIGAN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	55	119,118	1	-		
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	10	9,352	1	-		
MONTANA-----	-	-	9	9	9	9	4.36	4.36	4.36	8.73	-	83	83	198	412,520	1	-		
NEW MEXICO-----	-	1	5	6	6	6	1.15	1.15	6.31	7.46	-	70	70	487	1,046,098	3	3		
UTAH-----	-	1	4	5	5	5	1.31	1.31	14.36	15.67	-	66	66	373	766,021	1	-		
TOTAL OR AVERAGE-----	-	6	82	88	88	88	2.13	2.13	5.49	7.62	-	68	68	4,147	8,270,393	17	12		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND MONTHS FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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
COPPER-CONTINUED:																					
TOTAL OR AVERAGE ALL MINES AND PLANTS:																					
ARIZONA	-	14	-	240	254	254	282	536	3.28	3.28	3.64	6.92	-	215	215	7.993	15,485,322	29	12		
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	7.02	7.02	-	-	-	-	5,680	1	-		
IDAHO	-	-	-	-	-	-	-	-	-	-	5.34	11.13	-	-	-	20	28,496	2	-		
MICHIGAN	-	-	51	51	51	47	98	98	5.79	5.79	5.34	9.85	-	199	199	845	1,761,758	3	4		
MISSOURI	-	-	-	-	-	-	-	-	-	-	5.23	9.85	-	-	-	10	9,352	1	-		
MONTANA	-	-	15	15	15	17	32	32	4.62	4.62	5.23	9.85	-	63	63	312	649,594	1	1		
NEVADA	-	-	3	3	3	4	4	4	17.51	17.51	5.84	23.34	-	64	64	30	34,273	1	-		
NEW MEXICO	-	-	22	22	24	70	94	94	1.62	1.62	4.71	6.33	-	152	152	1,385	2,970,189	8	5		
NEW MEXICO	-	2	-	-	-	-	-	-	5.66	5.66	-	5.66	-	74	74	19	35,351	1	-		
OREGON	-	1	-	-	-	-	-	-	2.01	2.01	9.38	11.39	-	58	58	1,017	2,089,774	2	-		
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	17	-	352	369	369	516	885	3.20	3.20	4.47	7.67	-	187	187	11,634	23,069,783	49	23		
OFFICE:																					
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	537	1,048,815	-	23		
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	982	-	2		
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	130,927	-	2		
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	512	-	1		
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	49,389	-	1		
NEVADA	-	-	-	1	1	1	-	1	70.55	70.55	-	70.55	-	353	353	3	2,835	1	6		
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	106	194,905	1	1		
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,396	-	2		
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	123,585	-	-		
TOTAL OR AVERAGE	-	-	-	1	1	1	-	1	13	13	-	13	-	1	1	804	1,557,356	1	39		
GRAND TOTAL OR AVERAGE:																					
ARIZONA	-	14	-	240	254	254	282	536	3.07	3.07	3.41	6.48	-	202	202	8,530	16,534,137	29	35		
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	6.78	6.78	-	-	-	3	5,680	1	-		
IDAHO	-	-	-	-	-	-	-	-	-	-	5.39	10.36	-	-	-	22	28,496	2	2		
MICHIGAN	-	-	51	51	51	47	98	98	5.39	5.39	4.97	9.85	-	185	185	969	1,892,685	3	6		
MISSOURI	-	-	-	-	-	-	-	-	-	-	4.86	9.16	-	-	-	11	9,362	1	-		
MONTANA	-	-	15	15	15	17	32	32	4.29	4.29	4.86	9.16	-	59	59	336	699,983	1	1		
NEVADA	-	-	4	4	4	5	5	5	21.56	21.56	5.39	26.95	-	86	86	33	37,108	1	2		
NEW MEXICO	-	2	-	22	24	24	70	94	1.52	1.52	4.42	5.94	-	143	143	1,491	3,165,094	9	11		
OREGON	-	1	-	20	21	21	98	119	4.91	4.91	4.91	4.91	-	64	64	22	40,747	1	2		
UTAH	-	1	-	353	370	370	516	886	1.90	1.90	8.86	10.75	-	175	175	1,081	2,213,359	2	2		
TOTAL OR AVERAGE	-	17	-	353	370	370	516	886	3.00	3.00	4.19	7.20	-	175	175	12,438	24,527,139	50	62		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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	PARTIAL	TEMPO- RARY																TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL									
																															TOTAL	FATAL	NFDL	ALL FATAL AND NFDL	NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
GOLD:																																							
UNDERGROUND:																																							
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	12,846	4	-																				
ARIZONA	1	-	-	10	10	11	10	21	21	23.95	50.28	14.367	694	46	83,524	5	5	23	-																				
CALIFORNIA	1	-	-	5	5	6	2	8	8	2.76	11.04	8.280	182	104	144,919	278	458,757	18	-																				
COLORADO	1	2	-	20	22	23	5	28	28	2.18	12.21	2.616	218	11	4,965	5	5	11	-																				
IDAHO	-	-	-	-	-	-	-	26	26	54.89	79.28	-	-	35	65,500	178	291,125	11	-																				
MICHIGAN	-	-	-	18	18	18	13	58	58	31.60	40.53	-	-	172	290,665	13	5	13	-																				
MONTANA	-	1	-	46	46	47	13	30	30	11.70	20.64	-	-	49	10,341	2	2	2	-																				
NEVADA	-	-	-	17	17	17	1	2	2	24.63	49.26	723	-	10	8,120	757	1,659,817	1	-																				
NEW MEXICO	-	-	-	1	1	1	51	99	99	5.78	11.93	-	-	1	1,659,817	1	1	1	-																				
OREGON	-	-	-	47	47	48	36	57	57	9.65	16.55	-	-	228	435,093	7	7	7	-																				
SOUTH DAKOTA	-	-	-	21	21	21	139	330	330	11.02	19.04	1,385	293	1,848	3,465,419	96	96	96	-																				
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
TOTAL OR AVERAGE	4	3	-	187	191	191	139	330	330	11.02	19.04	1,385	293	1,848	3,465,419	96	96	96	-																				
SURFACE AT UNDERGROUND:																																							
ALASKA	-	-	-	1	1	1	-	1	1	15.30	15.30	-	-	153	13,072	10	28,308	3	3																				
ARIZONA	-	-	-	2	2	2	2	4	4	14.09	28.17	-	-	77	28,308	17	48,115	4	4																				
CALIFORNIA	-	-	-	3	3	3	1	5	5	12.47	20.78	-	-	2,058	48,115	41	69,920	3	14																				
COLORADO	-	-	-	3	3	3	1	4	4	8.56	11.44	-	-	446	69,920	48	135,551	1	16																				
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,355	1	1	1	2																				
MICHIGAN	-	-	-	3	3	3	2	5	5	12.01	20.02	-	-	92	49,951	32	58,546	-	7																				
MONTANA	-	1	-	5	5	5	2	7	7	17.08	23.91	-	-	10,436	58,546	36	58,870	-	1																				
NEVADA	-	-	-	4	4	4	2	6	6	13.59	20.38	-	-	166	58,870	40	6,457	-	11																				
NEW MEXICO	-	-	-	1	1	1	-	1	1	30.97	30.97	-	-	155	6,457	8	480	-	3																				
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	413,710	313	1,969	-	1																				
SOUTH DAKOTA	-	-	-	7	7	7	6	13	13	3.38	6.28	-	-	178	413,710	1	1,969	-	1																				
UTAH	-	-	-	2	2	2	9	11	11	3.44	18.55	-	-	78	116,116	63	116,116	-	7																				
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	866,959	616	866,959	-	71																				
TOTAL OR AVERAGE	-	1	-	30	31	31	26	57	57	7.15	13.15	-	973	616	866,959	12	866,959	12	71																				
SURFACE AT SURFACE:																																							
ALASKA	-	-	-	1	1	1	-	1	1	7.72	7.72	-	-	77	25,918	25	349,671	4	3																				
ARIZONA	1	-	-	12	13	13	12	25	25	21.44	44.67	-	-	538	111,922	63	349,671	9	9																				
CALIFORNIA	1	-	-	8	9	9	4	13	13	8.29	13.47	-	-	650	193,034	145	349,535	26	14																				
COLORADO	1	2	-	23	25	26	6	32	32	9.46	12.11	-	-	2,518	528,677	326	528,677	19	16																				
IDAHO	-	-	-	-	-	-	-	31	31	36.35	53.66	-	-	640	115,541	67	349,671	6	2																				
MICHIGAN	-	-	-	21	21	21	10	66	66	29.17	37.75	-	-	2,020	349,671	214	349,671	11	7																				
MONTANA	-	2	-	49	51	51	15	36	36	12.02	20.60	-	-	301	349,535	212	349,535	13	11																				
NEVADA	-	-	-	21	21	21	1	1	1	11.91	11.91	-	-	60	16,798	21	16,798	8	3																				
NEW MEXICO	-	-	-	1	1	1	-	2	2	23.26	46.51	-	-	47	8,600	11	8,600	2	1																				
OREGON	-	-	-	54	54	55	57	112	112	5.21	5.50	-	-	269	2,073,527	1,070	2,073,527	1	1																				
SOUTH DAKOTA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	551,209	2	551,209	1	1																				
UTAH	-	-	-	23	23	23	45	68	68	8.35	16.33	-	-	172	551,209	291	551,209	7	7																				
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,333,378	2,464	4,333,378	-	71																				
TOTAL OR AVERAGE	4	4	-	214	222	222	165	387	387	10.06	17.62	1,108	429	2,464	4,333,378	108	4,333,378	108	71																				

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	SEVERITY MEASURES									
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	NOL						TOTAL INJURIES	FATAL					NFDL	ALL FATAL AND NFDL		
																				TOTAL	PARTIAL
GOLD-CONTINUED: SURFACE MINES: OPEN PIT:																					
ALASKA-----	-	1	-	24	25	8	33	8.48	2.71	-	175	175	308	589,913	46	-					
ARIZONA-----	-	2	-	47	49	24	18	6.55	8.19	-	134	134	153	244,120	11	-					
CALIFORNIA-----	-	-	-	1	1	1	73	6.22	3.04	-	154	154	785	1,576,405	28	-					
COLORADO-----	-	-	-	3	3	3	2	8.05	16.09	-	16	16	25	24,858	6	-					
IDAHO-----	-	-	-	3	3	1	4	2.34	3.11	-	8	8	218	256,907	17	-					
MONTANA-----	-	-	-	3	3	3	5	1.20	2.40	-	17	17	267	499,560	20	-					
NEVADA-----	-	-	-	179	187	144	331	3.98	3.07	-	248	248	4,554	9,301,427	66	-					
NEW MEXICO-----	-	8	-	-	-	-	1	22.55	22.55	-	-	-	8	8,869	5	-					
NORTH CAROLINA-----	-	-	-	-	-	-	-	4.49	4.49	-	12,788	12,788	28	44,573	1	-					
OREGON-----	-	1	-	-	-	-	13	4.49	4.49	-	35	35	121	251,843	3	-					
SOUTH CAROLINA-----	-	6	-	6	6	7	10	4.76	5.56	-	102	102	172	360,728	5	-					
SOUTH DAKOTA-----	-	2	-	2	2	9	16	1.11	5.54	-	19	19	164	339,551	6	-					
UTAH-----	-	7	-	7	7	-	-	4.12	5.30	-	-	-	6	10,401	2	-					
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TOTAL OR AVERAGE-----	-	12	-	281	293	217	510	4.31	3.19	-	204	204	5,840	13,611,650	219	-					
SILVER:																					
ALASKA-----	-	-	-	17	17	3	20	10.14	1.79	-	58	58	132	335,259	4	-					
CALIFORNIA-----	-	-	-	3	3	25	28	4.55	37.92	-	168	168	65	131,851	1	-					
TOTAL OR AVERAGE-----	-	-	-	20	20	28	48	8.56	11.99	-	89	89	197	467,110	5	-					
COPPER:																					
TOTAL OR AVERAGE, SURFACE:	-	-	-	41	42	11	53	9.08	2.38	-	133	133	440	925,172	50	-					
ALASKA-----	-	1	-	8	8	10	18	6.55	8.19	-	134	134	153	244,120	11	-					
ARIZONA-----	-	2	-	50	52	49	101	6.69	5.74	-	155	155	850	1,706,256	29	-					
CALIFORNIA-----	-	-	-	1	1	1	2	8.05	16.09	-	16	16	25	24,858	6	-					
COLORADO-----	-	-	-	3	3	3	4	2.34	3.11	-	8	8	218	256,907	17	-					
IDAHO-----	-	-	-	3	3	1	5	1.20	2.40	-	17	17	267	499,560	20	-					
MONTANA-----	-	-	-	179	187	144	331	3.98	3.07	-	248	248	4,554	9,301,427	66	-					
NEVADA-----	-	8	-	-	-	-	1	22.55	22.55	-	-	-	8	8,869	5	-					
NEW MEXICO-----	-	-	-	-	-	-	-	4.49	4.49	-	12,788	12,788	28	44,573	1	-					
NORTH CAROLINA-----	-	-	-	-	-	-	-	4.49	4.49	-	35	35	121	251,843	3	-					
OREGON-----	-	1	-	6	6	7	13	4.76	5.56	-	102	102	172	360,728	5	-					
SOUTH CAROLINA-----	-	6	-	6	6	2	10	1.11	5.54	-	19	19	164	339,551	6	-					
SOUTH DAKOTA-----	-	2	-	2	2	9	16	4.12	5.30	-	-	-	6	10,401	2	-					
UTAH-----	-	7	-	7	7	-	-	-	-	-	-	-	-	-	-	-					
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TOTAL OR AVERAGE-----	-	12	-	301	313	245	558	4.45	3.48	-	200	200	7,037	14,078,760	224	-					

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, 1989 (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	NFDL					FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	TOTAL INJURIES													
																		TOTAL	PARTIAL
GOLD-CONTINUED:																			
TOTAL OR AVERAGE, MINING:																			
ALASKA	-	-	1	42	43	43	21	11	9.04	11.36	-	131	131	465	951,090	54	3		
ARIZONA	1	-	2	20	20	60	61	22	11.80	24.15	3,370	261	3,632	216	356,042	20	4		
CALIFORNIA	1	-	2	58	60	24	27	7	6.42	11.99	631	206	837	956	1,901,290	35	14		
COLORADO	1	-	2	24	26	3	3	1	9.76	12.28	2,168	237	2,495	351	553,535	25	16		
IDAHO	-	-	-	3	3	21	21	10	2.28	3.04	-	8	8	67	115,541	1	1		
MICHIGAN	-	-	-	21	54	54	54	18	36.35	53.66	-	640	640	501	848,231	31	7		
MONTANA	-	-	2	52	208	208	208	159	12.72	16.96	-	842	842	4,766	9,740,962	73	11		
NEVADA	-	-	8	200	2	2	2	-	4.27	7.54	-	191	191	32	25,667	13	3		
NEW MEXICO	-	-	-	2	-	-	-	-	15.36	-	-	125	125	8	12,465	1	-		
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	39	53,173	5	1		
OREGON	-	-	1	1	2	6	6	7	7.52	11.28	-	10,727	10,727	121	251,843	3	-		
SOUTH CAROLINA	-	-	-	6	6	57	57	67	4.76	5.56	493	35	738	1,242	2,434,255	6	1		
SOUTH DAKOTA	1	-	-	55	56	7	7	9	4.60	5.26	-	245	245	156	342,147	7	1		
UTAH	-	-	-	7	23	23	23	45	4.09	8.19	-	19	19	297	561,610	9	-		
WASHINGTON	-	-	-	23	-	-	-	-	8.19	-	-	188	188	-	-	-	-		
TOTAL OR AVERAGE	4	-	16	515	531	535	535	410	5.77	8.19	261	254	515	9,501	18,412,138	332	71		
PROCESSING PLANTS:																			
ALASKA	-	-	-	-	-	-	-	1	-	3.43	-	-	-	45	58,284	-	7		
ARIZONA	-	-	-	6	6	41	41	5	9.90	18.16	-	185	185	70	121,158	5	5		
CALIFORNIA	-	-	-	41	41	8	8	42	5.65	9.79	-	58	58	718	1,450,294	7	23		
COLORADO	-	-	1	7	6	6	6	11	5.32	12.53	-	257	257	182	300,900	7	5		
IDAHO	-	-	-	6	6	2	2	7	6.80	14.73	-	28	28	131	176,469	2	7		
MICHIGAN	-	-	-	2	2	2	2	1	4.49	6.47	-	72	72	39	89,114	1	-		
MONTANA	-	-	-	7	8	8	8	24	2.12	8.47	-	37	37	370	755,620	4	9		
NEVADA	-	-	1	2	2	2	2	101	4.39	7.49	-	85	85	3,286	6,513,546	26	42		
NEW MEXICO	-	-	4	139	143	143	143	244	99.99	99.99	-	2,791	2,791	4	3,708	1	-		
SOUTH CAROLINA	-	-	-	2	2	2	2	2	10.11	24.43	-	131	131	107	237,429	-	3		
SOUTH DAKOTA	-	-	-	12	12	4	4	17	2.21	4.42	-	98	98	184	361,732	-	3		
UTAH	-	-	-	4	6	6	6	9	1.60	3.99	-	11	11	104	751,068	2	3		
WASHINGTON	-	-	-	-	-	-	-	10	-	9.70	-	-	-	104	206,133	1	-		
TOTAL OR AVERAGE	-	-	6	232	238	238	238	232	4.32	8.53	-	78	78	5,611	11,025,985	56	113		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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	ASST- 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 NFDL														ALL FATAL AND NFDL	ALL FATAL AND NFDL	ALL FATAL AND NFDL
GOLD-CONTINUED:																					
TOTAL OR AVERAGE ALL MINES AND PLANTS																					
ALASKA																					
ARIZONA																					
CALIFORNIA																					
COLORADO																					
IDAHO																					
MICHIGAN																					
MONTANA																					
NEVADA																					
NEW MEXICO																					
NORTH CAROLINA																					
OREGON																					
SOUTH CAROLINA																					
SOUTH DAKOTA																					
UTAH																					
WASHINGTON																					
TOTAL OR AVERAGE	4	22		747		769	03	5.22	5.25	4.36	163	188	15.112	29,438,133	388	184					
OFFICE																					
ALASKA																					
ARIZONA																					
CALIFORNIA																					
COLORADO																					
IDAHO																					
MICHIGAN																					
MONTANA																					
NEVADA																					
NEW MEXICO																					
NORTH CAROLINA																					
OREGON																					
SOUTH CAROLINA																					
SOUTH DAKOTA																					
UTAH																					
WASHINGTON																					
TOTAL OR AVERAGE																					

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND HOURS FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL					ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL																
																			TOTAL	PARTIAL
GOLD-CONTINUED:																				
GRAND TOTAL OR AVERAGE:	1	1	42	43	45	55	7.16	7.16	7.16	2.00	9.16	2.160	104	503	1,201,273	54	23			
ALASKA	-	-	1	-	-	55	9.36	9.36	9.36	9.72	19.44	2.160	104	333	555,604	25	71			
ARIZONA	1	2	26	26	27	157	5.28	5.28	5.28	4.97	10.30	3.14	208	1,355	3,823,421	63	40			
CALIFORNIA	1	3	99	101	102	53	7.21	7.21	7.21	3.71	10.32	1.236	124	617	971,099	35	21			
COLORADO	1	3	31	34	35	17	3.70	3.70	3.70	3.29	6.99	-	14	406	486,714	25	3			
IDAHO	-	-	9	9	9	35	19.96	19.96	19.96	9.15	29.10	-	347	907	240,527	2	3			
MICHIGAN	-	-	24	24	24	104	6.81	6.81	6.81	4.61	11.43	-	408	408	1,820,365	37	35			
MONTANA	1	3	59	62	62	623	3.83	3.83	3.83	2.81	5.54	-	130	9,348	18,756,887	108	138			
NEVADA	-	-	347	359	359	4	19.88	19.88	19.88	19.88	19.88	-	343	54	40,228	14	8			
NEW MEXICO	-	-	4	4	4	4	-	-	-	-	-	-	9,956	12	20,866	1	1			
NORTH CAROLINA	-	-	1	2	2	3	6.99	6.99	6.99	3.49	10.48	-	9,956	42	57,237	5	3			
OREGON	-	1	18	18	18	42	5.79	5.79	5.79	7.72	13.52	-	64	292	621,393	3	6			
SOUTH CAROLINA	-	-	50	60	61	133	3.96	3.96	3.96	4.77	6.81	398	209	1,534	3,018,780	6	11			
SOUTH DAKOTA	1	-	13	13	13	31	2.11	2.11	2.11	2.92	5.02	-	12	506	1,233,591	9	10			
UTAH	-	-	23	23	23	78	4.86	4.86	4.86	11.62	16.48	-	100	492	946,470	10	15			
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE:	4	22	756	778	782	1,429	4.60	4.60	4.63	3.83	8.46	142	164	17,406	33,794,835	397	410			
IRON:																				
UNDERGROUND MINES:	-	-	4	4	4	11	5.38	5.38	5.38	9.42	14.80	-	69	75	148,536	1	-			
UNDERGROUND:	-	-	4	4	4	7	5.38	5.38	5.38	9.42	14.80	-	69	75	148,536	1	-			
MISSOURI:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
TOTAL OR AVERAGE:	-	-	4	4	4	11	5.38	5.38	5.38	9.42	14.80	-	69	75	148,536	1	-			
SURFACE AT UNDERGROUND:	-	-	1	1	1	1	2.86	2.86	2.86	-	2.86	-	52	36	69,887	-	1			
MISSOURI:	-	-	1	1	1	1	2.86	2.86	2.86	-	2.86	-	52	36	69,887	-	1			
TOTAL OR AVERAGE:	-	-	1	1	1	1	2.86	2.86	2.86	-	2.86	-	52	36	69,887	-	1			
TOTAL OR AVERAGE, UG:	-	-	5	5	5	12	4.58	4.58	4.58	6.41	10.98	-	63	111	218,558	1	1			
MISSOURI:	-	-	5	5	5	12	4.58	4.58	4.58	6.41	10.98	-	63	111	218,558	1	1			
TOTAL OR AVERAGE:	-	-	5	5	5	12	4.58	4.58	4.58	6.41	10.98	-	63	111	218,558	1	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, 1965 (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	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															
															TOTAL					PARTIAL
IRON-CONTAINED PROCESSING PLANTS:																				
MICHIGAN	-	1	123	124	124	135	11	124	9.96	8.84	-	209	462	462	1,240	2,491,185	2	1		
MINNESOTA	-	4	174	178	179	253	74	179	5.21	2.58	-	-	158	367	2,853	5,735,572	4	4		
MISSOURI	-	-	-	-	-	-	-	-	6.37	8.82	-	-	-	-	103	219,653	-	-		
NEW YORK	-	-	2	2	2	2	-	2	16.36	6.37	-	-	564	564	11	24,454	-	2		
TEXAS	-	-	2	2	2	2	-	2	14.92	-	-	-	30	30	12	26,816	-	-		
VIRGINIA	-	-	5	5	5	7	2	5	14.92	-	-	-	536	536	21	41,747	-	-		
WEST VIRGINIA	-	-	-	-	-	-	-	-	13.41	13.41	-	-	-	-	34	74,558	-	-		
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	47,735	-	-		
TOTAL OR AVERAGE	1	5	306	311	312	406	94	312	7.15	2.17	135	244	382	382	4,362	8,661,720	15	9		
TOTAL OR AVERAGE: ALL MINES AND PLANTS:																				
CALIFORNIA	-	-	194	196	196	220	24	196	8.83	1.08	-	-	387	387	9	7,954	2	1		
MICHIGAN	-	2	276	281	283	338	115	283	5.20	2.13	222	148	370	370	2,205	4,440,626	14	4		
MINNESOTA	-	5	5	5	5	19	14	5	2.28	6.39	-	31	31	31	5,255	10,707,455	1	1		
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	214	438,211	-	-		
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	21	-	-		
NEW MEXICO	-	-	3	3	3	3	-	3	9.81	-	-	268	268	268	2	1,870	-	-		
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	61,190	-	-		
SOUTH DAKOTA	-	-	5	5	5	2	2	5	14.30	66.78	-	108	108	108	3	5,969	-	-		
TEXAS	-	-	1	1	1	1	1	1	12.04	2.66	-	12	12	12	36	68,946	-	-		
UTAH	-	-	-	-	-	-	-	-	13.41	12.04	-	-	-	-	13	16,695	-	-		
VIRGINIA	-	-	5	5	5	7	2	5	13.41	5.36	-	536	536	536	21	41,747	-	-		
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34	74,558	-	-		
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	47,735	-	-		
TOTAL OR AVERAGE	2	7	489	496	498	656	156	498	6.20	1.97	150	212	362	362	7,845	16,003,911	39	10		
OFFICE:																				
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	173,561	-	3		
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	686	1,308,578	-	13		
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	39,326	-	-		
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	13,272	-	-		
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	9,105	-	-		
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	567	-	-		
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	10,578	-	-		
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	23,498	-	-		
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	16,640	-	-		
TOTAL OR AVERAGE	-	-	-	-	-	3	3	-	-	38	-	-	-	-	833	1,595,149	-	29		

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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					FATAL	NFDL	FATAL AND NFDL	ALL INJUL- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		TOTAL	PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL												NFDL	TOTAL INJURIES
IRON-CONTINUED:																			
GRAND TOTAL OR AVERAGE:																			
CALIFORNIA	-	-	194	196	24	220	8.50	1.04	9.54	-	372	372	9	7,954	2	-	-		
MICHIGAN	-	-	276	283	116	339	4.64	1.92	6.56	-	132	330	2,290	4,614,187	14	1	4		
MINNESOTA	2	5	5	5	16	21	2.09	6.70	8.80	198	29	330	5,942	12,136,033	5	3	17		
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	226	477,537	1	1	-		
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	1	24	1	1	-		
NEW MEXICO	-	-	3	3	3	3	8.06	-	8.06	-	220	220	2	1,870	1	2	-		
NEW YORK	-	-	-	-	2	2	-	66.78	66.78	-	-	-	40	74,462	1	1	-		
SOUTH DAKOTA	-	-	5	5	1	6	12.65	2.53	15.18	-	96	96	3	5,990	1	4	-		
TEXAS	-	-	1	1	-	1	11.63	-	11.63	-	12	12	42	79,051	3	1	4		
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	28	17,136	1	1	-		
VIRGINIA	-	-	5	5	2	7	10.20	4.08	14.28	-	408	408	28	52,326	2	2	-		
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	46	86,066	1	1	-		
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	28	64,375	6	5	-		
TOTAL OR AVERAGE	2	-	489	496	161	659	5.64	5.66	1.83	136	193	329	8,678	17,599,060	39	39	-		
LEAD-ZINC:																			
UNDERGROUND MINES:																			
UNDERGROUND:																			
ARIZONA	-	-	3	3	-	3	24.81	24.81	24.81	-	380	380	11	24,188	1	1	-		
COLORADO	-	-	3	3	6	9	3.25	3.25	9.75	-	36	36	84	184,522	2	2	-		
IDAH0	-	5	27	32	8	40	26.06	26.06	32.58	-	3,924	3,924	151	245,543	4	4	-		
MISSOURI	-	1	15	16	38	54	2.83	2.83	9.89	-	156	156	529	1,092,123	9	9	-		
NEW YORK	-	-	3	3	5	8	5.41	5.41	14.44	-	94	94	61	110,814	4	4	-		
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	3	2,400	1	1	-		
TENNESSEE	1	-	44	47	48	96	6.81	6.95	13.90	889	780	1,649	637	1,381,075	6	6	-		
TOTAL OR AVERAGE	1	-	95	104	105	210	6.84	6.91	6.91	395	736	1,130	1,470	3,040,665	27	27	-		
SURFACE AT UNDERGROUND:																			
ARIZONA	-	-	1	1	-	1	18.32	18.32	18.32	-	165	165	7	10,920	1	1	-		
COLORADO	-	-	5	5	-	5	13.25	13.25	13.25	-	368	368	42	98,276	2	2	-		
IDAH0	-	-	5	6	12	18	5.96	5.96	11.91	-	146	146	54	75,488	9	9	-		
MISSOURI	-	1	5	6	-	9	-	-	-	-	-	-	101	201,492	2	2	-		
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	5	9,729	1	1	-		
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	2	1,440	6	6	-		
TENNESSEE	-	-	6	6	3	9	13.02	13.02	19.54	-	56	56	46	92,131	1	1	-		
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	2	1,080	1	1	-		
TOTAL OR AVERAGE	-	-	17	18	15	33	7.34	7.34	6.11	-	131	131	259	490,675	1	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, 1969 (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	PARTIAL	TEMPO- RARY	TOTAL NFDL													

LEAD-ZINC-CONTINUED:																	
TOTAL OR AVERAGE, LG:																	
ALABAMA	-	-	-	-	4	4	-	22.79	22.79	22.79	-	313	313	18	35,108	1	1
ARIZONA	-	-	-	-	3	3	-	2.12	2.12	6.36	-	23	23	126	282,898	2	2
COLORADO	-	-	-	-	45	45	-	23.05	23.05	28.03	-	3,088	3,088	205	321,041	4	4
IDAHO	-	-	-	-	30	30	-	3.40	3.40	7.73	-	154	154	630	1,293,615	9	9
MISSOURI	-	-	-	-	3	3	-	4.98	4.98	8.30	-	86	86	66	120,543	4	4
NEW YORK	-	-	-	-	8	8	-	7.20	7.20	14.25	-	735	735	5	3,840	1	1
OREGON	-	-	-	-	105	105	-	6.91	6.91	6.92	-	652	652	577	1,473,266	6	6
TENNESSEE	-	-	-	-	53	53	-	-	-	-	-	-	-	2	1,069	1	1
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	10	112	122	123	123	06	6.91	6.97	6.80	340	652	991	1,729	3,531,340	28	23
SURFACE MINES:																	
OPEN PIT:																	
ALASKA	-	-	-	-	-	-	-	-	-	2.01	2.01	-	-	74	99,511	1	-
TOTAL OR AVERAGE	-	-	-	-	1	1	-	-	-	2.01	2.01	-	-	74	99,511	1	-
TOTAL OR AVERAGE, SURFACE:																	
ALASKA	-	-	-	-	-	-	-	-	-	2.01	2.01	-	-	74	99,511	1	-
TOTAL OR AVERAGE	-	-	-	-	1	1	-	-	-	2.01	2.01	-	-	74	99,511	1	-
TOTAL OR AVERAGE, MINING:																	
ALASKA	-	-	-	-	1	1	-	22.79	22.79	22.79	-	313	313	74	99,511	1	1
ARIZONA	-	-	-	-	4	4	-	2.12	2.12	6.36	-	23	23	18	35,108	2	2
COLORADO	-	-	-	-	9	9	-	23.05	23.05	28.03	-	3,088	3,088	126	282,898	4	4
IDAHO	-	-	-	-	45	45	-	3.40	3.40	7.73	-	154	154	205	321,041	9	9
MISSOURI	-	-	-	-	72	72	-	4.98	4.98	8.30	-	86	86	630	1,293,615	4	4
NEW YORK	-	-	-	-	8	8	-	7.20	7.20	14.25	-	735	735	66	120,543	1	1
OREGON	-	-	-	-	105	105	-	6.91	6.91	6.92	-	652	652	5	3,840	6	6
TENNESSEE	-	-	-	-	53	53	-	-	-	-	-	-	-	677	1,473,266	1	1
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,069	1	1
TOTAL OR AVERAGE	1	10	112	122	123	123	06	6.72	6.78	6.67	331	634	964	1,803	3,630,851	29	23
INDEPENDENT SHOPS:																	
MISSOURI	-	-	-	-	-	-	-	-	-	10.53	10.53	-	-	5	18,992	1	-
TOTAL OR AVERAGE	-	-	-	-	1	1	-	-	-	10.53	10.53	-	-	9	18,992	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, 1989 (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	FATAL	NFDL	ALL FATAL AND NFDL	ALL INJU- RIES	FATAL	NFDL					ALL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPO- RARY															TOTAL NFDL

LEAD-ZINC-CONTINUED: PROCESSING PLANTS:																	
ALASKA-----	-	-	2	2	7	5	2	7	3.24	8.09	11.33	-	78	78	123,600	1	
COLORADO-----	-	-	3	3	1	1	3	4	5.42	3.48	5.42	-	202	202	36,921	2	
IDAHO-----	-	-	1	1	4	1	1	4	10.45	4.50	13.94	-	4	4	57,393	7	
MISSOURI-----	-	-	2	2	8	7	2	8	16.35	16.35	16.35	-	131	131	311,316	1	
NEVADA-----	-	-	2	2	2	2	2	2	4.18	4.18	4.18	-	925	925	24,468	1	
NEW YORK-----	-	-	8	8	8	10	7	17	16.29	16.29	16.29	-	1,878	1,878	95,787	2	
PENNSYLVANIA-----	-	-	6	7	17	10	8	23	4.23	6.04	10.26	-	684	684	98,208	4	
TENNESSEE-----	-	-	22	23	49	26	23	49	4.26	4.82	9.08	-	574	574	331,239	13	
TOTAL OR AVERAGE-----	-	-	11	134	294	148	146	294	6.13	6.17	6.26	254	643	897	4,728,775	36	
MINES AND PLANTS, ALL																	
ALASKA-----	-	-	2	2	8	6	2	8	1.79	5.38	7.17	-	43	43	223,111	1	
ARIZONA-----	-	-	4	4	4	3	4	4	22.79	4.38	22.79	-	313	313	35,108	1	
COLORADO-----	-	-	3	3	10	7	3	10	1.88	6.25	6.25	-	21	21	319,819	3	
IDAHO-----	-	-	35	40	49	9	40	49	4.76	25.90	25.90	-	2,650	2,650	378,434	4	
MISSOURI-----	-	-	21	23	81	58	23	81	7.14	9.08	9.08	-	124	124	1,623,923	16	
NEVADA-----	-	-	2	2	2	2	2	2	16.35	16.35	16.35	-	131	131	24,468	1	
NEW YORK-----	-	-	3	3	10	7	3	10	2.77	6.47	9.25	-	48	48	216,330	4	
OREGON-----	-	-	8	8	8	-	8	8	16.29	16.29	16.29	-	925	925	3,840	1	
PENNSYLVANIA-----	-	-	56	60	122	61	61	122	5.65	6.76	13.52	-	945	945	98,208	2	
TENNESSEE-----	-	-	4	4	-	-	4	-	11	6.76	13.52	-	665	665	1,804,445	7	
WASHINGTON-----	-	-	11	145	-	148	146	-	04	6.13	12.43	-	254	254	1,089	-	
TOTAL OR AVERAGE-----	-	-	11	145	294	148	146	294	6.13	6.17	6.26	254	643	897	4,728,775	36	
OFFICE:																	
ALASKA-----	-	-	1	1	1	-	1	1	5.69	-	5.69	-	17	17	35,141	1	
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,580	1	
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17,055	2	
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16,653	1	
MISSOURI-----	-	-	-	-	1	1	-	1	71	71	71	-	-	-	283,463	8	
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,612	1	
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36,855	1	
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,212	2	
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132,246	9	
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,732	1	
TOTAL OR AVERAGE-----	-	-	1	1	2	1	1	2	37	37	37	254	643	897	541,549	27	

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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	FATAL	NFDL	ALL FATAL AND NFDL														
		PERMANENT	TEMPO- RARY	TOTAL NFDL															FATAL	NFDL	ALL FATAL AND NFDL	NFDL	ALL INJU- RIES					
																								TOTAL	PARTIAL	FATAL	NFDL	ALL FATAL AND NFDL
LEAD-ZINC-CONTINUED: GRAND TOTAL OR AVERAGE: ALASKA----- ARIZONA----- CALIFORNIA----- IDAHO----- ILLINOIS----- MISSOURI----- NEVADA----- NEW YORK----- OREGON----- PENNSYLVANIA----- TENNESSEE----- WASHINGTON----- TOTAL OR AVERAGE-----	- - - - - - - - - 1 1 - - 1	- - - - - - - - - - - - - -	3 4 3 35 21 2 3 8 56 - - 11	3 4 3 40 23 2 3 8 60 - - 146	3 4 3 40 23 2 3 8 61 - - 147	6 7 7 59 82 7 7 - 61 - - 149	9 10 9 49 10 10 - 8 122 - - 296	2.32 18.31 1.78 20.25 2.41 14.77 2.37 15.32 6.20 5.54 5.54 5.54 5.54 5.54	4.65 18.31 4.16 4.56 6.19 14.77 5.53 6.30 6.30 5.58 5.65 5.65 5.65 5.65	6.97 18.31 5.94 24.80 8.60 14.77 7.90 15.32 12.60 11.23 11.23 11.23 11.23 11.23	- - - - - - - - - - - - - -	39 252 20 2,539 105 118 41 870 880 1,500 805 805 805 805	176 24 150 294 937 25 134 5 58 900 3,821 2,668 2,668 2,668	258,252 43,688 336,874 395,087 1,907,386 27,080 253,185 3,840 104,420 1,936,681 3,821 5,270,324 5,270,324 5,270,324	1 1 2 4 11 1 4 1 2 10 1 1 38	2 2 4 6 24 1 1 1 1 2 16 1 63												
MANGANESE: PROCESSING PLANTS: DELAWARE----- ILLINOIS----- NEW MEXICO----- TEXAS----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	3 3 2 5 - -	3 3 2 2 5 -	3 3 2 2 5 -	- - - - - -	3 - - - - -	8.68 8.68 9.48 9.48 4.59 4.59	- - - - - -	8.68 8.68 9.48 9.48 1.84 1.84	8.68 8.68 18.95 18.95 6.43 6.43	- - - - - -	211 211 47 47 76 76	52 36 2 21 110 110	101,588 68,128 4,748 42,213 217,678 217,678	1 1 1 2 5 5	- - - - - -											
TOTAL OR AVERAGE, ALL MINES AND PLANTS: DELAWARE----- ILLINOIS----- NEW MEXICO----- TEXAS----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	3 3 2 5 - -	3 3 2 2 5 -	3 3 2 2 5 -	- - - - - -	3 - - - - -	8.68 8.68 9.48 9.48 4.59 4.59	- - - - - -	8.68 8.68 9.46 9.46 1.84 1.84	8.68 8.68 18.95 18.95 6.43 6.43	- - - - - -	211 211 47 47 76 76	52 36 2 21 110 110	101,588 68,128 4,748 42,213 217,678 217,678	1 1 1 2 5 5	- - - - - -											
OFFICE: DELAWARE----- ILLINOIS----- TEXAS----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	11 3 3 17	21,937 5,400 5,968 33,305	- - - -	1 2 2 4										
GRAND TOTAL OR AVERAGE: DELAWARE----- ILLINOIS----- NEW MEXICO----- TEXAS----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	3 3 2 5 - -	3 3 2 2 5 -	3 3 2 2 5 -	- - - - -	4 1 2 2 8 3	8.05 8.05 8.30 8.30 3.98 3.98	2.68 2.68 8.30 8.30 2.39 2.39	10.73 10.73 16.60 16.60 6.37 6.37	- - - - -	196 196 42 42 66 66	63 38 2 24 127 127	123,525 74,529 48,181 250,983 250,983	1 1 2 5 5	1 1 2 4 4												

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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 INJUR- RIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															
																			TOTAL	PARTIAL
MERCURY: SURFACE MINES: OPEN PIT: NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	6	10,644	1	-			
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	6	10,644	1	-			
TOTAL OR AVERAGE, SURFACE: NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	6	10,644	1	-			
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	6	10,644	1	-			
TOTAL OR AVERAGE, MINING: NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	6	10,644	1	-			
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	6	10,644	1	-			
PROCESSING PLANTS: NEVADA	-	-	1	1	1	1	-	16.38	16.38	-	16.38	-	655	6	12,208	-	1			
TOTAL OR AVERAGE----	-	-	1	1	1	1	-	16.38	16.38	-	16.38	-	655	6	12,208	-	1			
TOTAL OR AVERAGE, ALL MINES AND PLANTS: NEVADA	-	-	1	1	1	1	-	8.75	8.75	-	8.75	-	350	12	22,852	1	1			
TOTAL OR AVERAGE----	-	-	1	1	1	1	-	8.75	8.75	-	8.75	-	350	12	22,852	1	1			
OFFICE: NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	10	18,415	-	1			
TOTAL OR AVERAGE----	-	-	-	-	-	-	-	-	-	-	-	-	-	10	18,415	-	1			
GRAND TOTAL OR AVERAGE: NEVADA	-	-	1	1	1	1	-	4.85	4.85	-	4.85	-	194	22	41,267	1	2			
TOTAL OR AVERAGE----	-	-	1	1	1	1	-	4.85	4.85	-	4.85	-	194	22	41,267	1	2			
MOLYBDENUM: UNDERGROUND MINES: UNDERGROUND: COLORADO NEW MEXICO	-	1	22	23	23	40	-	7.14	7.14	5.28	12.42	-	156	310	644,156	2	-			
TOTAL OR AVERAGE----	-	-	4	4	4	8	-	4.21	4.21	4.21	8.41	-	151	86	190,139	1	-			
TOTAL OR AVERAGE, ALL MINES AND PLANTS: NEW MEXICO	-	-	26	27	27	48	-	6.47	6.47	5.03	11.51	-	155	396	834,295	3	-			
TOTAL OR AVERAGE----	-	-	1	1	1	1	-	6.47	6.47	5.03	11.51	-	155	396	834,295	3	-			

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND HOURS FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	ALL INDU- RIES	FATAL	NFDL					ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL															
																			TOTAL	PARTIAL
MOLYBDENUM-CONTINUED: SURFACE AT UNDERGROUND: COLORADO----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	6 - 6 - -	6 - 6 - -	6 - 6 - -	9 1 10 - -	15 1 16 - -	- - - - -	14.44 - 12.08 - -	14.44 - 12.08 - -	21.66 12.34 20.14 - -	36.10 12.34 32.22 - -	4.38 - 3.67 - -	4.38 - 3.67 - -	438 - 99,309 - -	- - - - -	2 1 3 - -			
TOTAL OR AVERAGE, UG: COLORADO----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - -	1 - 1 -	26 4 32 -	29 4 33 -	29 4 33 -	26 5 31 -	55 9 64 -	- - - -	7.98 3.88 7.07 -	7.98 3.88 7.07 -	7.15 4.85 6.64 -	15.13 8.72 13.71 -	188 140 177 -	188 140 177 -	356 93 449 -	727,252 206,352 933,604 -	2 1 3 -	2 1 3 -		
SURFACE MINES: OPEN PIT: IDAHO----- NEVADA----- TOTAL OR AVERAGE-----	- - - -	- - - -	5 8 13 -	5 8 13 -	5 8 13 -	3 5 8 -	8 13 21 -	- - - -	2.08 7.67 3.77 -	2.08 7.67 3.77 -	1.25 4.80 2.32 -	3.33 12.47 6.09 -	12 285 95 -	12 285 95 -	243 126 369 -	480,996 208,499 689,495 -	1 1 2 -	- - - -		
TOTAL OR AVERAGE, SURFACE: IDAHO----- NEVADA----- TOTAL OR AVERAGE-----	- - - -	- - - -	5 8 13 -	5 8 13 -	5 8 13 -	3 5 8 -	8 13 21 -	- - - -	2.08 7.67 3.77 -	2.08 7.67 3.77 -	1.25 4.80 2.32 -	3.33 12.47 6.09 -	12 285 95 -	12 285 95 -	243 126 369 -	480,996 208,499 689,495 -	1 1 2 -	- - - -		
TOTAL OR AVERAGE, MINING: COLORADO----- IDAHO----- NEVADA----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - - -	1 - - - 1	28 5 8 4 45	29 5 8 4 46	29 5 8 4 46	29 5 8 4 46	26 3 5 5 39	55 8 13 9 85	- - - - -	7.98 2.08 7.67 3.88 5.67	7.15 1.25 4.80 4.85 4.81	15.13 3.33 12.47 8.72 10.47	188 12 285 140 142	188 12 285 140 142	356 243 126 93 818	727,252 480,996 208,499 206,352 1,623,099	2 1 1 1 5	2 - - 1 3		
PROCESSING PLANTS: COLORADO----- IDAHO----- NEVADA----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	5 3 7 1 16	5 3 7 1 16	5 3 7 1 16	5 3 7 1 16	11 3 5 2 21	16 6 12 3 37	- - - - -	2.09 2.75 5.72 2.93 3.17	4.59 2.75 4.08 5.86 4.16	6.67 5.51 9.60 8.79 7.32	17 129 91 38 61	17 129 91 38 61	238 113 130 38 519	479,565 217,865 244,801 68,261 1,010,453	1 - - - 1	2 1 1 1 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, 1989 (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	FATAL AND NFDL	ALL FATAL AND NFDL					
		PERMANENT	TEMPORARY	TOTAL NFDL	TOTAL FATAL AND NFDL												
													TOTAL	PARTIAL			
MOLYBDENUM-CONTAINED: TOTAL OR AVERAGE, ALL MINES AND PLANTS	-	1	33	8	34	37	71	-	5.63	5.63	6.13	11.77	-	120	1,206,838	3	4
COLORADO-----	-	-	-	8	8	6	14	-	2.29	2.29	1.72	4.01	-	49	356	1	1
IDAHO-----	-	-	15	15	15	10	25	-	6.62	6.62	4.41	11.83	-	186	453,300	1	1
NEVADA-----	-	-	5	5	5	7	12	-	3.64	3.64	5.10	8.74	-	114	214,613	1	2
NEW MEXICO-----	-	1	61	62	62	60	122	-	4.71	4.71	4.56	9.27	-	111	2,633,552	6	8
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	175,353	-	2
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89,375	-	1
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,216	-	1
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,226	-	1
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	328,170	-	5
GRAND TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO-----	-	1	33	8	34	37	71	-	4.91	4.91	5.34	10.25	-	105	1,385,191	3	6
IDAHO-----	-	-	-	8	8	6	14	-	2.03	2.03	1.52	3.35	-	43	788,176	1	2
NEVADA-----	-	-	15	15	15	10	25	-	5.96	5.96	3.97	9.93	-	162	503,516	1	3
NEW MEXICO-----	-	-	5	5	5	7	12	-	3.51	3.51	4.92	8.43	-	110	284,839	1	3
TOTAL OR AVERAGE-----	-	1	61	62	62	60	122	-	4.19	4.19	4.05	8.24	-	99	2,961,722	6	13
NICKEL: SURFACE MINES: OPEN PIT: OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	640	1	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	640	1	-
TOTAL OR AVERAGE, SURFACE: OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	640	1	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	640	1	-
TOTAL OR AVERAGE, MINING: OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	640	1	-
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	640	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, 1988 (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	TOTAL NFDL	FATAL	NFDL	FATAL	NFDL					ALL FATAL AND NFDL					
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL														ALL FATAL AND NFDL	ALL NFDL	ALL INJUR- RIES		
																						TOTAL	PARTIAL
PLATINUM-CONTINUED: PROCESSING PLANTS: ALASKA----- MONTANA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: ALASKA----- MONTANA----- TOTAL OR AVERAGE----- OFFICE: ALASKA----- MONTANA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: ALASKA----- MONTANA----- TOTAL OR AVERAGE----- HAZE EARTHS: SURFACE MINES: OPEN PIT: CALIFORNIA----- WASHINGTON----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, SURFACE: CALIFORNIA----- WASHINGTON----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, MINING: CALIFORNIA----- WASHINGTON----- 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, 1989 (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	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT	TEMPO- RARY	TOTAL NFDL														
														TOTAL				
BASE EARTHES-CONTINUED:																		
PROCESSING PLANTS:																		
CALIFORNIA	-	-	2	7	2	2	4	-	1.14	1.14	2.28	-	56	165	350,341	-	1	
UTAH	-	-	7	-	7	7	7	-	55.36	55.36	55.36	-	301	44	25,200	-	1	
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1,706	-	-	
TOTAL OR AVERAGE	-	-	9	9	9	9	11	-	4.77	4.77	1.06	5.83	82	216	377,337	1	2	
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																		
CALIFORNIA	-	-	3	7	3	3	6	-	1.46	1.46	2.92	-	80	192	411,041	2	1	
UTAH	-	-	7	-	7	7	7	-	55.36	55.36	55.36	-	301	44	25,200	1	1	
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	9	2,540	1	1	
TOTAL OR AVERAGE	-	-	10	10	10	10	13	-	4.56	4.56	1.37	5.92	92	245	438,871	4	2	
OFFICE:																		
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	29	62,530	-	2	
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	7	6,817	-	1	
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1,198	-	1	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	38	70,545	-	4	
GRAND TOTAL OR AVERAGE:																		
CALIFORNIA	-	-	3	7	3	3	6	-	1.27	1.27	2.53	-	69	221	473,571	2	3	
UTAH	-	-	7	-	7	7	7	-	43.60	43.60	43.60	-	237	51	32,107	1	1	
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	11	3,738	1	2	
TOTAL OR AVERAGE	-	-	10	10	10	10	13	-	3.93	3.93	1.18	5.10	79	283	509,416	4	6	
SILVER:																		
UNDERGROUND MINES:																		
UNDERGROUND:																		
ALASKA	-	-	15	5	15	6	15	-	17.25	17.25	17.25	-	162	82	173,917	1	-	
ARIZONA	-	-	5	-	5	6	9	-	45.37	45.37	22.69	-	960	15	26,448	2	-	
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	17	12,309	4	-	
IDAHO	1	7	99	8	106	107	192	-	14.07	14.21	11.29	25.49	797	758	1,506,375	12	-	
MONTANA	-	-	6	6	8	9	17	-	5.55	5.55	6.24	11.79	85	155	288,314	5	-	
NEVADA	1	-	6	6	7	7	6	-	12.54	14.62	14.62	12.55	234	96	95,729	3	-	
NEW MEXICO	-	-	1	1	1	1	6	-	11.47	11.47	57.33	68.79	229	13	17,444	4	-	
UTAH	-	-	5	5	5	5	8	-	19.35	19.35	30.96	50.30	163	32	51,667	2	-	
TOTAL OR AVERAGE	2	8	139	147	149	110	259	-	13.53	13.72	10.13	23.85	552	1,122	2,172,224	34	-	

TABLE 5. - INJURY EXPERIENCE BY DEGREE AND WORK TIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1983 (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			
		PERMANENT	TEMPO- RARY		TOTAL NFDL														TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES
			TOTAL	PARTIAL																	
SILVER-CONTINUED:																					
SURFACE AT UNDERGROUND:																					
ALASKA	-	-	-	4	4	4	2	6	5.50	5.50	2.75	8.25	-	47	47	145,392	1				
ARIZONA	-	-	-	1	1	1	-	1	8.01	8.01	8.01	8.01	-	40	40	24,959	2				
COLORADO	-	-	-	6	6	6	5	12	3.61	3.61	3.61	7.22	-	25	25	4,295	4				
IDAHO	-	-	-	6	6	6	5	11	5.25	5.25	4.37	9.62	-	35	35	332,236	1				
MONTANA	-	-	-	1	1	1	-	1	8.49	8.49	8.49	8.49	-	229	229	228,652	2				
NEVADA	-	-	-	1	1	1	-	1	10.55	10.55	-	10.55	-	243	243	23,562	3				
NEW MEXICO	-	-	-	1	1	1	-	1	-	-	-	-	-	-	-	4,210	4				
UTAH	-	-	-	19	19	19	13	32	4.86	4.86	3.32	8.18	-	43	43	18,561	3				
TOTAL OR AVERAGE	-	-	-	158	158	158	123	291	11.90	11.90	11.90	13.15	-	417	417	782,247	25				
TOTAL OR AVERAGE, U.S.	-	-	-	19	19	19	2	21	27.23	27.23	11.67	36.91	-	110	110	319,299	1				
ALASKA	-	-	1	6	7	7	3	10	11.90	11.90	1.25	13.15	-	514	514	51,407	3				
ARIZONA	-	-	7	-	-	-	-	-	27.23	27.23	11.67	36.91	-	514	514	16,604	4				
COLORADO	-	-	7	105	112	113	91	204	12.18	12.29	9.90	22.19	653	555	1,838,612	13					
IDAHO	1	-	14	14	14	14	14	28	5.42	5.42	5.42	10.83	10,069	233	19,291	5					
MONTANA	-	-	7	7	7	7	5	12	11.74	13.41	13.41	13.41	10,069	185	21,654	3					
NEVADA	1	-	6	6	6	6	8	14	9.24	16.99	46.18	55.42	185	185	70,638	4					
NEW MEXICO	-	-	-	6	6	6	8	14	16.99	16.99	22.65	33.64	184	184	21,654	3					
UTAH	-	-	-	8	8	8	8	16	11.24	11.37	8.33	19.70	812	417	2,954,471	36					
TOTAL OR AVERAGE	2	-	8	158	158	158	123	291	11.24	11.37	8.33	19.70	812	417	2,954,471	36					
SURFACE MINES:																					
OPEN PIT:																					
ARIZONA	-	-	-	1	1	1	1	2	4.43	4.43	4.43	8.85	-	9	9	45,182	1				
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,668	2				
COLORADO	-	-	-	5	5	5	2	7	8.38	8.38	3.35	11.73	-	313	313	119,309	1				
IDAHO	-	-	-	41	41	41	6	47	17.05	17.05	2.49	19.54	-	350	350	481,008	3				
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31,473	2				
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	578,808	10				
TOTAL OR AVERAGE	-	-	-	47	47	47	9	56	13.85	13.85	2.65	16.50	-	304	304	578,808	384				
TOTAL OR AVERAGE, SURFACE:																					
ARIZONA	-	-	-	1	1	1	1	2	4.43	4.43	4.43	8.85	-	9	9	45,182	1				
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,668	2				
COLORADO	-	-	-	5	5	5	2	7	8.38	8.38	3.35	11.73	-	313	313	119,309	1				
IDAHO	-	-	-	41	41	41	6	47	17.05	17.05	2.49	19.54	-	350	350	481,008	3				
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31,473	2				
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	578,808	10				
TOTAL OR AVERAGE	-	-	-	47	47	47	9	56	13.85	13.85	2.65	16.50	-	304	304	578,808	384				

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKLINE, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)
	FATAL	NFDL				TOTAL INJURIES	FATAL	NFDL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL						
		PERMANENT		TOTAL	TOTAL FATAL AND NFDL													
		TOTAL	PARTIAL															
PROCESSING PLANTS	-	1	22	23	23	7	30	4.23	4.23	1.29	5.52	132	132	556	1,087,700	11	14	-
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,009	-	1	-
ALASKA	-	-	2	2	2	1	3	6.51	6.51	3.26	9.77	16	16	53	61,406	1	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,363	1	-	-
ARKANSAS	-	-	13	13	13	7	20	11.99	11.99	6.46	18.45	242	242	108	216,856	5	6	-
COLORADO	-	-	55	55	56	18	74	5.19	5.29	1.70	6.89	149	715	957	2,118,478	13	26	-
ILLINOIS	1	-	17	17	17	12	29	3.95	3.95	2.79	6.73	90	90	413	861,263	9	19	-
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,694	1	-	-
IOWA	-	-	1	1	1	2	3	6.27	6.27	12.54	18.82	207	207	16	31,888	-	1	-
KANSAS	-	-	184	186	186	78	264	5.07	5.07	2.13	7.20	138	138	3,481	7,337,764	220	34	-
KENTUCKY	-	2	5	6	6	3	9	10.32	10.32	5.16	15.47	547	547	58	116,705	5	1	-
MARYLAND	-	1	1	1	1	-	-	1.88	1.88	5.43	1.88	5	5	63	118,673	-	3	-
MISSOURI	-	-	5	5	5	2	7	13.58	13.58	5.43	19.01	318	318	53	73,643	-	1	-
MONTANA	-	-	3	3	3	11	14	4.23	4.23	15.53	19.76	76	76	64	141,705	-	4	-
NEH MEXICO	-	-	1	1	1	-	-	43.51	43.51	-	43.51	435	435	2	4,597	1	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8,598	1	-	-
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5,191	-	1	-
NORTH DAKOTA	-	-	24	24	24	25	49	2.93	2.93	3.05	5.97	73	73	822	1,640,370	17	28	-
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	13	29,958	1	2	-
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	90	94	94	27	121	14.32	14.32	4.11	18.43	882	882	780	1,312,938	59	9	-
ANTHRACITE	-	4	119	123	123	37	130	8.08	8.08	2.43	10.52	381	381	1,554	3,043,188	133	54	-
BITUMINOUS	-	4	209	217	217	64	281	9.96	9.96	2.94	12.90	472	472	2,314	4,356,126	122	63	-
ALL COAL	-	8	6	6	6	10	10	2.82	2.82	1.88	4.69	32	32	189	426,185	25	2	-
TENNESSEE	-	-	-	-	-	-	-	-	-	26.66	26.66	-	-	3	7,504	-	1	-
TEXAS	-	-	12	12	12	7	19	8.60	8.60	5.02	13.61	137	137	136	279,124	5	8	-
UTAH	2	6	92	98	100	82	182	5.68	5.79	4.75	10.55	156	156	1,626	3,451,416	77	6	-
VIRGINIA	-	-	202	208	209	63	272	5.51	5.53	1.67	7.20	851	851	97	1,728,340	2	2	-
WASHINGTON	-	6	-	-	-	-	-	03	5.51	1.67	7.20	156	156	3,643	7,556,668	155	34	-
WEST VIRGINIA	1	-	2	3	3	4	7	5.73	5.75	1.23	2.16	72	72	318	648,666	1	10	-
WYOMING	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	4	30	94	94	27	121	14.32	14.32	4.11	18.43	882	882	780	1,312,938	59	9	-
ANTHRACITE	-	21	765	787	791	364	1,155	5.35	5.38	2.48	7.85	163	163	14,183	29,412,729	611	259	-
BITUMINOUS	-	25	856	881	885	391	1,276	5.73	5.75	2.55	8.31	185	185	14,953	30,725,677	670	288	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 6 - INJURY EXPERIENCE BY DEGREE, HOURS, AND PRODUCTION FOR WORK LOCATION RATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)													
	FATAL	NFIL				TOTAL FATAL AND NFIL	NFIL	TOTAL FATAL AND NFIL	ALL FATAL AND NFIL	ALL INJURIES	FATAL	NFIL	ALL FATAL AND NFIL																		
		PERMANENT	TEMPORARY	TOTAL NFIL	TOTAL FATAL AND NFIL														ALL FATAL AND NFIL	ALL INJURIES	FATAL	NFIL	ALL FATAL AND NFIL								
																								TOTAL	PARTIAL	TOTAL FATAL AND NFIL	ALL FATAL AND NFIL	ALL INJURIES	FATAL	NFIL	ALL FATAL AND NFIL
TOTAL OR AVERAGE																															
ALL MINES AND PLANTS:																															
ALABAMA	2	-	8	463	471	473	164	-	637	10.42	196	232	428	6.467	12,227,012	113	78	26,320,074													
ALASKA	-	-	-	3	3	3	4	-	4	3.91	-	12	12	98	204,610	1	1	1,492,355													
ARIZONA	2	-	-	9	11	11	7	-	18	1.81	1,209	19	1,228	688	1,995,335	3	-	11,973,615													
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
CALIFORNIA	1	-	7	188	195	195	97	-	293	4.70	291	346	637	28	4,125,754	33	-	17,033,633													
COLOADO	3	-	12	1,568	1,580	1,583	306	-	1,889	2.57	151	442	593	11,144	23,835,436	73	53	66,414,283													
ILLINOIS	1	-	1	133	134	135	90	-	225	2.23	149	92	241	3,820	8,065,946	23	23	32,109,938													
INDIANA	-	-	-	3	3	6	4	-	7	2.16	-	294	294	3,820	8,065,946	5	-	429,890													
IOWA	-	-	-	3	3	3	4	-	7	2.80	-	27	27	140	265,403	4	1	57,955													
KANSAS	-	-	48	2,341	2,389	2,419	611	-	3,030	2.07	610	272	882	31,335	55,034,271	1,330	352	161,051,437													
KENTUCKY	30	-	-	4	4	4	4	-	8	5.62	-	27	27	189	142,248	2	-	2,982,336													
LOUISIANA	-	-	-	95	97	98	23	-	121	4.13	1,078	441	1,519	547	1,113,316	37	-	3,288,366													
MARYLAND	-	-	-	21	21	21	14	-	35	2.24	-	50	50	659	1,250,407	11	-	3,686,661													
MISSOURI	-	-	-	31	32	32	27	-	59	3.36	-	709	709	950	1,925,998	8	-	37,491,770													
MONTANA	-	-	-	40	40	40	50	-	90	2.83	-	80	80	1,306	2,823,053	9	-	23,465,745													
NEBRASKA	-	-	-	1	1	1	1	-	1	43.51	-	435	435	2	4,597	1	-	-													
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8,598	1	-	-													
NORTH CAROLINA	-	-	-	24	24	24	24	-	48	4.06	-	18	18	971	1,944,206	9	-	28,444,950													
NORTH DAKOTA	-	-	-	394	394	392	300	-	642	11.36	180	160	340	6,619	13,377,528	213	47	33,928,826													
OHIO	2	-	-	30	31	31	19	-	50	4.32	-	107	107	474	880,651	25	-	1,587,585													
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
PENNSYLVANIA:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
ANTHRACITE	1	7	7	170	177	178	50	-	238	3.54	354	432	786	2,120	3,333,289	246	73	3,062,090													
BITUMINOUS	1	25	25	1,484	1,509	1,510	577	-	2,067	4.07	42	408	490	14,392	28,375,055	540	140	67,117,055													
ALL COAL	2	32	32	1,654	1,688	1,689	537	-	2,325	4.01	76	411	485	16,512	31,768,345	786	213	70,179,149													
TEXAS	1	4	4	154	158	159	36	-	195	1.84	306	278	584	2,089	3,923,551	127	56	6,424,115													
UTAH	-	-	-	114	115	115	141	-	256	3.26	-	41	41	3,417	7,064,290	14	1	53,889,812													
VIRGINIA	1	3	3	229	232	233	115	-	348	5.15	269	214	483	2,185	4,461,803	30	25	20,344,015													
WASHINGTON	8	-	-	1,217	1,236	1,246	494	-	1,700	7.32	454	176	276	11,239	21,137,576	454	250	43,248,688													
WEST VIRGINIA	-	-	-	41	41	41	55	-	96	2.01	174	332	505	29,755	55,320,436	960	2	150,114,018													
WYOMING	-	-	-	2,650	2,686	2,704	555	-	3,259	2.22	-	100	100	4,060	8,281,214	32	13	171,738,442													
TOTAL OR AVERAGE:	1	7	189	11,437	11,634	11,656	3,065	-	238	3.54	354	432	786	2,120	3,333,289	246	73	3,062,090													
ANTHRACITE	61	1	196	11,437	11,634	11,656	3,065	-	15,264	2.86	278	302	580	135,610	263,451,395	4,129	1,632	955,489,388													
BITUMINOUS	62	1	196	11,437	11,634	11,656	3,065	-	15,264	2.86	278	303	582	137,730	266,844,685	4,375	1,705	955,489,388													
ALL COAL																															

TABLE 6. - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

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	PRODUCTION (SHORT TONS)		
	FATAL	NFEL				TOTAL INJURIES	NFEL	TOTAL FATAL AND NFEL	FATAL	NFEL	ALL FATAL AND NFEL	FATAL	NFEL	ALL FATAL AND NFEL							
		PERMANENT	TEMPO- RARY	TOTAL NFEL	TOTAL FATAL AND NFEL																
																				TOTAL	PARTIAL
OFFICE:	-	-	-	-	-	1	1	-	-	.19	-	-	-	486	1,075,318	1	65	-			
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	13	30,537	-	1	-			
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	11	9,399	-	3	-			
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1,740	-	2	-			
ARKANSAS	-	-	-	-	-	1	-	-	-	.33	-	-	-	336	605,274	2	24	-			
CALIFORNIA	-	-	-	-	-	8	-	-	-	1.01	-	-	-	472	990,653	1	53	-			
COLORADO	-	-	-	-	-	-	-	-	-	.61	-	-	-	169	297,720	-	42	-			
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	11	19,567	-	3	-			
INDIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	8	15,305	-	2	-			
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	1,575	2,781,392	5	442	-			
KANSAS	-	-	-	-	-	6	-	-	-	.43	-	-	-	34	75,321	-	2	-			
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	57	112,487	-	10	-			
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	28	52,745	-	7	-			
MARYLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	116	180,813	-	5	-			
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	337	679,658	4	8	-			
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,784	-	1	-			
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,812	-	1	-			
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	57	90,538	-	8	-			
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	440	859,031	-	99	-			
NORTH DAKOTA	-	-	-	-	-	2	-	-	-	.47	-	-	-	43	70,856	-	14	-			
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	114	170,544	5	43	-			
OKLAHOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	725	1,331,504	3	183	-			
PENNSYLVANIA	-	-	-	-	-	9	-	-	-	.60	-	-	-	639	1,502,048	8	226	-			
ANTHRACITE	-	-	-	-	-	4	-	-	-	.75	-	-	-	61	54	-	32	-			
BITUMINOUS	-	-	-	-	-	4	-	-	-	.67	-	-	-	31	37	-	13	-			
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	255	499,359	-	23	-			
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	170	327,027	-	91	-			
TEXAS	-	-	-	-	-	1	-	-	-	.61	-	-	-	274	358,082	-	2	-			
UTAH	-	-	-	-	-	-	-	-	-	.56	-	-	-	72	136,611	-	313	-			
VIRGINIA	-	-	-	-	-	1	-	-	-	.80	-	-	-	1,334	2,238,947	14	25	-			
WASHINGTON	-	-	-	-	-	10	-	-	-	.09	-	-	-	114	170,544	5	43	-			
WEST VIRGINIA	-	-	-	-	-	1	-	-	-	.22	-	-	-	7,553	13,861,911	29	1,478	-			
WYOMING	-	-	-	-	-	2	-	-	-	.43	-	-	-	7,677	14,032,455	39	1,521	-			
TOTAL OF AVERAGE:	-	-	-	-	-	41	-	-	-	.36	-	-	-	15	15	-	-	-			
ANTHRACITE	-	-	-	-	-	16	-	-	-	.36	-	-	-	15	15	-	-	-			
BITUMINOUS	-	-	-	-	-	16	-	-	-	.36	-	-	-	15	15	-	-	-			
ALL COAL	-	-	-	-	-	16	-	-	-	.36	-	-	-	15	15	-	-	-			

TABLE 6 - INJURY EXPERIENCE BY DEGREE, WORKTIME, AND PRODUCTION FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES										INCIDENCE RATES				SEVERITY MEASURES			AVERAGE NUMBER OF WORKERS	EMPLOYEE-HOURS	NUMBER OF OPERATIONS	ASSOCIATED WORK LOCATION	PRODUCTION (SHORT TONS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	FATAL	NETL				TOTAL FATAL AND NETL	NETL	TOTAL INJURIES	FATAL	NETL	ALL FATAL AND NETL	NETL	ALL INJURIES	FATAL	NETL	ALL FATAL AND NETL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		PERMANENT	TEMPORARY	TOTAL NETL	TOTAL FATAL AND NETL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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GRAND TOTAL OR AVERAGE:	2	2	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989

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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL		
		TOTAL	PERMANENT	TEMPORARY					TOTAL	PERMANENT	TEMPORARY					TOTAL	
UNDERGROUND MINES:																	
ALABAMA	1	-	6	333	339	340	118	456	6,000	-	1,060	10,287	11,347	17,347	177	31	51
ALASKA	1	-	6	144	150	151	58	208	6,000	-	2,720	3,598	6,318	12,318	453	25	82
COLORADO	1	-	8	1,309	1,317	1,318	190	1,508	6,000	-	1,990	41,320	43,310	49,310	249	17	17
ILLINOIS	1	-	-	9	9	9	8	17	-	-	-	56	149	156	-	56	56
INDIANA	1	-	-	1,706	1,743	1,758	368	2,136	150,000	-	13,885	47,921	61,806	211,806	375	28	120
KENTUCKY	25	-	37	81	82	83	15	98	6,000	-	50	1,750	1,800	7,800	50	28	94
MARYLAND	1	-	1	186	189	189	167	356	-	-	300	5,828	6,128	6,128	100	138	138
NEW MEXICO	1	-	3	6	6	6	2	8	-	-	-	130	130	130	-	22	22
OHIO	1	-	-	22	22	22	6	28	-	-	-	473	473	473	-	22	22
PENNSYLVANIA	1	-	16	1,137	1,153	1,154	402	1,556	6,000	-	3,160	42,151	45,311	51,311	198	37	44
ANTHRACITE	1	-	16	1,159	1,175	1,176	408	1,564	6,000	-	3,160	42,151	45,311	51,311	198	37	44
BITUMINOUS	1	-	16	116	118	119	19	123	6,000	-	150	3,547	3,697	9,697	175	31	83
ALL COAL	1	-	2	207	210	211	96	307	6,000	-	150	4,472	4,472	10,472	30	21	50
TENNESSEE	1	-	3	994	1,008	1,014	303	1,317	36,000	-	15,300	28,767	44,067	80,067	1,053	29	79
UTAH	6	-	14	2,074	2,108	2,112	368	2,480	24,000	-	6,595	65,477	71,972	95,972	191	32	45
VIRGINIA	4	-	34	23	23	23	9	32	-	-	-	442	442	442	-	19	19
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	42	-	-	22	22	22	5	28	252,000	-	45,470	255,833	301,836	553,836	350	22	65
ANTHRACITE	-	-	130	8,327	8,457	8,459	2,123	10,650	252,000	-	45,470	255,833	301,836	553,836	350	31	65
BITUMINOUS	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT UNDERGROUND:																	
ALABAMA	-	-	1	21	22	22	21	43	-	-	50	388	438	438	50	18	20
ALASKA	-	-	-	12	12	12	5	17	-	-	-	288	288	288	-	24	24
COLORADO	-	-	-	78	79	79	16	95	-	-	-	2,767	2,817	2,817	50	35	35
ILLINOIS	-	-	-	2	2	2	1	3	-	-	-	73	73	73	-	26	26
INDIANA	-	-	-	112	113	114	38	152	6,000	-	50	2,613	2,663	8,663	50	162	78
KENTUCKY	1	-	1	1	1	1	2	3	-	-	-	501	501	501	-	31	31
MARYLAND	-	-	-	16	16	16	17	33	-	-	-	-	-	-	-	-	-
OHIO	-	-	-	1	1	1	1	3	6,000	-	-	28	28	6,028	-	28	3,014
PENNSYLVANIA	1	-	1	63	61	61	25	86	-	-	-	1,937	1,967	1,967	50	32	33
ANTHRACITE	1	-	1	63	63	63	25	86	-	-	-	1,937	1,967	1,967	50	32	33
BITUMINOUS	1	-	1	10	11	11	6	17	6,000	-	50	1,955	2,015	8,015	50	30	127
ALL COAL	1	-	1	10	11	11	6	17	-	-	50	295	345	345	-	31	31
TENNESSEE	-	-	-	65	66	66	12	22	-	-	-	113	113	1,803	-	11	11
UTAH	-	-	-	141	143	143	31	97	-	-	-	1,753	1,803	1,803	50	27	27
VIRGINIA	-	-	-	1	1	1	41	184	-	-	150	4,908	5,058	5,058	75	35	35
WEST VIRGINIA	-	-	-	2	2	2	3	9	-	-	1,800	75	1,875	1,875	1,800	15	312
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	1	-	9	1	1	1	1	3	6,000	-	-	28	28	6,028	-	28	3,014
ANTHRACITE	1	-	9	533	542	543	218	761	6,000	-	2,250	15,833	18,143	24,143	250	30	44
BITUMINOUS	1	-	-	534	543	543	219	764	12,000	-	2,250	15,921	18,171	30,171	250	30	55
ALL COAL	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

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					TOTAL	PARTIAL	TOTAL NFIDL				
TOTAL OR AVERAGE, U.S.:															
ALABAMA	1	-	7	354	361	139	501	6,000	-	1,110	11,785	159	30	49	
ALASKA	1	-	6	156	163	63	226	6,000	-	2,720	6,606	453	25	77	
COLORADO	1	-	9	1,387	1,397	296	1,693	6,000	-	2,040	46,127	227	32	37	
ILLINOIS	-	-	-	11	11	9	20	-	-	-	222	-	20	20	
INDIANA	-	-	-	1	1	-	1	-	-	-	56	-	56	56	
IOWA	-	-	-	1	1	-	1	-	-	-	56	-	56	56	
KENTUCKY	26	-	38	1,818	1,856	406	2,288	156,000	-	13,935	64,469	367	28	117	
MARYLAND	1	-	1	82	84	17	101	6,000	-	50	1,982	50	24	95	
MICHIGAN	-	-	1	1	1	-	1	-	-	-	138	-	138	138	
MINNESOTA	-	-	3	202	205	184	389	-	-	300	6,629	100	31	32	
MISSOURI	-	-	-	6	6	2	8	-	-	-	130	-	22	22	
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH CAROLINA	1	-	-	23	24	7	31	6,000	-	-	501	-	22	271	
NORTH DAKOTA	1	-	17	1,197	1,214	427	1,642	6,000	-	3,210	47,238	189	37	44	
OKLAHOMA	1	-	17	1,220	1,237	434	1,673	12,000	-	3,210	59,799	189	37	48	
PENNSYLVANIA	2	-	3	126	130	25	155	6,000	-	400	4,242	133	30	79	
RHODE ISLAND	1	-	3	217	220	108	329	6,000	-	150	4,585	50	20	48	
TENNESSEE	1	-	3	1,658	1,674	334	1,414	36,000	-	15,350	45,870	1,023	29	76	
UTAH	6	-	15	2,215	2,251	409	2,664	24,000	-	6,655	81,870	185	32	45	
VIRGINIA	4	-	36	2,215	2,251	12	41	-	-	1,800	77,040	1,800	18	80	
WEST VIRGINIA	-	-	1	28	29	-	-	-	-	-	2,317	-	-	-	
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:															
ANTHRACITE	1	-	-	23	24	7	31	6,000	-	-	501	-	22	271	
BITUMINOUS	43	-	139	8,860	9,042	2,341	11,383	258,000	-	47,720	319,496	343	31	64	
ALL COAL	44	-	139	8,883	9,022	2,348	11,414	264,000	-	47,720	319,997	343	31	64	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFIL			TOTAL FATAL AND NFIL	NOI	TOTAL INJURIES	FATAL	NFIL		TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL	
		TOTAL	PERMANENT	TEMPORARY					TOTAL	PARTIAL					
SURFACE MINES:															
STRIP:															
ALABAMA	1	-	-	81	82	9	91	6,000	-	-	1,542	-	1,542	7,542	92
ALASKA	-	-	-	3	3	1	4	12,000	-	-	12	-	12	12	4
ARIZONA	2	-	-	7	9	6	15	12,000	-	-	185	-	185	185	26
COLORADO	-	-	1	19	20	27	47	5,000	60	60	276	-	276	276	11
ILLINOIS	1	3	-	117	121	77	198	5,000	175	175	4,523	-	4,523	10,688	30
INDIANA	1	1	-	105	107	67	174	5,000	300	300	2,794	-	2,794	9,094	27
IOWA	-	-	-	5	5	-	5	-	-	-	297	-	297	297	45
KANSAS	-	-	-	2	2	-	4	-	-	-	6	-	6	6	3
KENTUCKY	4	-	8	331	343	124	467	24,000	750	750	9,700	-	9,700	34,450	29
LOUISIANA	-	-	-	4	4	4	8	-	-	-	19	-	19	19	5
MARYLAND	-	-	-	8	8	3	11	-	-	-	154	-	154	154	19
MISSOURI	-	-	-	20	20	14	34	-	-	-	310	-	310	310	16
MONTANA	-	-	-	26	27	25	52	-	-	-	707	-	707	6,707	27
NEW MEXICO	-	-	-	36	36	39	75	-	-	-	941	-	941	941	26
NORTH DAKOTA	-	-	-	24	24	24	48	-	-	-	172	-	172	172	7
OHIO	2	-	-	103	105	82	187	12,000	-	-	3,015	-	3,015	15,165	30
OKLAHOMA	-	-	-	24	25	17	42	-	-	-	239	-	239	339	10
PENNSYLVANIA	-	-	-	52	52	24	76	-	-	-	410	-	410	2,070	34
ANTHRACITE	-	-	3	168	172	113	285	-	-	-	4,595	-	4,595	4,805	28
BITUMINOUS	-	-	4	217	224	137	361	-	-	-	6,255	-	6,255	6,875	29
ALL COAL	-	-	7	22	23	140	255	-	-	-	50	-	50	50	31
TENNESSEE	-	-	1	114	115	140	255	-	-	-	1,092	-	1,092	1,142	50
TEXAS	-	-	1	54	54	25	79	-	-	-	1,350	-	1,350	1,450	12
VIRGINIA	-	-	-	41	41	55	96	-	-	-	1,433	-	1,433	1,433	27
WASHINGTON	-	-	-	201	208	72	280	-	-	-	1,288	-	1,288	2,781	31
WEST VIRGINIA	3	-	-	54	56	76	132	18,000	-	-	335	-	335	25,781	37
WYOMING	-	-	-	49	52	24	76	-	-	-	95	-	95	1,576	27
TOTAL OR AVERAGE:															
ANTHRACITE	-	3	-	1,586	1,586	1,009	2,619	-	-	-	410	-	410	2,070	34
BITUMINOUS	14	1	29	1,586	1,610	1,033	2,655	84,000	5,000	5,000	43,447	-	43,447	135,772	84
ALL COAL	14	1	32	1,615	1,662	1,033	2,685	84,000	6,000	6,000	45,107	-	45,107	137,842	83
UNDERGROUND:															
ALABAMA	-	-	-	3	3	2	5	-	-	-	177	-	177	177	59
KENTUCKY	-	-	-	6	6	6	12	-	-	-	235	-	235	235	39
OHIO	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
VIRGINIA	-	-	-	-	-	6	17	-	-	-	258	-	258	258	23
WEST VIRGINIA	-	-	-	11	11	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:															
ANTHRACITE	-	-	-	-	-	-	35	-	-	-	670	-	670	670	34
BITUMINOUS	-	-	-	20	20	15	35	-	-	-	670	-	670	670	34
ALL COAL	-	-	-	20	20	15	35	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

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					
QUEBEC	-	-	2	2	2	5	-	-	-	43	43	-	22	22	
ILLINOIS	-	-	8	8	8	10	-	-	-	281	281	-	35	35	
PENNSYLVANIA	-	-	8	8	8	10	-	-	-	281	281	-	35	35	
ANTHRACITE	-	-	8	8	8	10	-	-	-	281	281	-	35	35	
BITUMINOUS	-	-	5	5	5	6	-	-	-	45	45	-	9	9	
ALL COAL	-	-	8	8	8	10	-	-	-	281	281	-	35	35	
WEST VIRGINIA	-	-	7	7	7	11	-	-	-	88	88	-	13	13	
TOTAL OR AVERAGE	-	-	15	15	15	21	-	-	-	369	369	-	23	23	
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DREIZE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, SURFACE	-	-	81	81	82	91	6,000	-	-	1,542	1,542	-	19	19	
ALABAMA	1	-	3	3	3	4	12,000	-	-	12	12	-	4	4	
ALASKA	2	-	7	7	9	15	6,000	-	-	185	185	-	26	26	
ARIZONA	-	-	19	20	20	47	6,000	-	-	276	276	-	11	11	
COLORADO	1	1	119	122	123	204	6,000	-	-	4,741	4,741	-	38	38	
ILLINOIS	1	3	105	107	107	174	6,000	-	-	2,791	2,791	-	27	27	
INDIANA	-	-	5	5	5	5	-	-	-	6	6	-	45	45	
IOWA	-	-	2	2	2	4	-	-	-	9,877	9,877	-	3	3	
KANSAS	-	-	334	342	346	472	24,000	-	-	19	19	-	30	30	
KENTUCKY	4	-	4	4	4	8	-	-	-	154	154	-	5	5	
LOUISIANA	-	-	8	8	8	11	-	-	-	310	310	-	19	19	
MARYLAND	-	-	20	20	20	34	-	-	-	6,707	6,707	-	16	16	
MISSOURI	-	-	26	27	27	52	-	-	-	941	941	-	27	27	
MONTANA	-	-	36	36	36	75	-	-	-	172	172	-	26	26	
NEW MEXICO	-	-	24	24	24	48	-	-	-	3,400	3,400	-	7	7	
NORTH DAKOTA	-	-	106	109	111	188	-	-	-	239	239	-	31	31	
OHIO	2	-	24	24	25	42	12,000	-	-	150	150	-	10	10	
OKLAHOMA	-	-	24	24	24	42	-	-	-	410	410	-	100	100	
PENNSYLVANIA	-	-	57	60	60	86	-	-	-	1,941	1,941	-	137	137	
ANTHRACITE	-	-	168	172	172	285	-	-	-	4,895	4,895	-	32	32	
BITUMINOUS	-	-	225	232	232	371	-	-	-	6,536	6,536	-	89	89	
ALL COAL	-	-	225	232	232	371	-	-	-	1,142	1,142	-	50	50	
TENNESSEE	-	-	114	115	115	255	-	-	-	1,433	1,433	-	100	100	
TEXAS	-	-	114	115	115	255	-	-	-	1,433	1,433	-	12	12	
VIRGINIA	-	-	54	54	54	80	-	-	-	1,288	1,288	-	27	27	
WASHINGTON	-	-	41	41	41	96	-	-	-	7,749	7,749	-	31	31	
WEST VIRGINIA	-	-	217	221	224	363	-	-	-	8,084	8,084	-	35	35	
WYOMING	3	-	54	56	56	132	16,000	-	-	1,481	1,481	-	27	27	
TOTAL OR AVERAGE	-	-	57	60	60	86	-	-	-	1,941	1,941	-	137	137	
ANTHRACITE	-	-	1,583	1,623	1,627	2,655	84,000	-	-	44,205	44,205	-	80	80	
BITUMINOUS	-	-	1,650	1,683	1,687	2,752	84,000	-	-	46,146	46,146	-	28	28	
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL	TEMPORARY				TOTAL	PARTIAL							
										TOTAL					PARTIAL	
																TOTAL
TOTAL OR AVERAGE. MINING:																
ALABAMA	2	-	7	435	442	444	148	12,000	-	1,110	12,217	13,327	159	28	25,327	57
ALASKA	-	-	-	3	3	3	1	-	-	-	12	12	-	4	12	4
ARIZONA	2	-	7	175	182	183	90	12,000	-	-	185	185	-	26	12,185	1,354
COLORADO	1	-	-	1,506	1,518	1,520	287	6,000	-	2,780	4,102	5,882	307	23	12,882	41
ILLINOIS	2	-	12	1,116	1,117	1,118	76	6,000	-	2,215	48,653	50,868	185	32	62,868	79
INDIANA	1	-	-	116	117	118	76	6,000	-	300	3,016	3,316	300	26	9,316	47
IOWA	-	-	-	6	6	6	2	-	-	-	6	6	-	3	6	3
KANSAS	-	-	-	2	2	2	-	-	-	-	60,411	75,096	319	114	255,096	114
KENTUCKY	30	-	46	2,152	2,198	2,226	532	180,000	-	14,885	19	19	-	5	19	88
LOUISIANA	-	-	-	4	4	4	8	-	-	-	2,086	2,136	50	23	8,136	16
MARYLAND	1	-	1	90	91	92	20	6,000	-	50	310	310	-	16	6,310	16
MISSOURI	-	-	-	20	20	20	14	-	-	-	707	6,707	-	27	6,707	27
MONTANA	-	1	-	26	27	27	25	-	6,000	-	1,079	1,079	-	29	1,079	29
NEW MEXICO	-	-	-	37	37	37	39	-	-	-	172	172	-	7	172	7
NORTH DAKOTA	-	-	-	24	24	24	24	-	-	-	9,579	10,029	75	31	22,029	75
OHIO	2	-	-	308	314	316	272	12,000	-	450	369	469	100	12	469	10
OKLAHOMA	-	-	1	30	31	31	19	-	-	100	369	469	-	12	469	10
PENNSYLVANIA	-	-	-	80	83	84	33	6,000	-	-	2,442	2,852	137	31	8,852	105
ANTHRACITE	1	-	3	1,365	1,386	1,387	540	6,000	-	3,420	48,683	52,103	163	36	58,103	42
BITUMINOUS	2	-	21	1,445	1,469	1,471	573	6,000	-	3,830	51,125	54,955	160	35	66,955	46
ALL COAL	-	-	4	148	152	153	140	6,000	-	450	4,384	5,384	112	33	11,384	74
TENNESSEE	1	-	-	114	115	115	95	6,000	-	100	1,450	1,450	100	12	1,450	12
TEXAS	-	-	-	217	220	221	108	6,000	-	150	4,435	4,585	50	20	10,585	48
UTAH	6	-	3	1,113	1,128	1,134	360	36,000	-	15,350	31,053	47,303	1,023	29	83,303	73
VIRGINIA	-	-	15	41	41	41	55	-	-	-	1,286	1,286	-	31	1,286	31
WASHINGTON	-	-	-	2,432	2,472	2,479	488	-	-	6,990	78,134	85,124	175	32	85,124	51
WEST VIRGINIA	7	-	40	82	85	85	88	42,000	-	1,895	1,988	3,883	532	24	3,883	46
WYOMING	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:																
ANTHRACITE	1	-	3	80	83	84	33	6,000	-	410	2,442	2,852	137	31	8,852	105
BITUMINOUS	57	168	10,453	10,622	10,679	3,370	342,000	6,000	50,045	315,081	372,026	288	30	714,026	67	
ALL COAL	58	171	10,533	10,705	10,763	3,403	348,000	6,000	50,455	318,423	374,878	295	30	722,878	67	
INDEPENDENT SHOPS:																
ALABAMA	-	-	-	6	6	6	9	-	-	-	130	130	-	22	130	22
ILLINOIS	-	-	-	7	7	7	1	-	-	-	221	221	-	32	221	32
INDIANA	-	-	-	5	5	5	2	-	-	-	240	240	-	48	240	48
KENTUCKY	-	-	-	2	2	2	3	-	-	-	46	46	-	23	46	23
OHIO	-	-	-	12	12	12	12	-	-	-	131	131	-	11	131	11
VIRGINIA	-	-	-	16	16	16	4	-	-	-	738	738	-	46	738	46
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:																
ANTHRACITE	-	-	-	48	48	48	80	-	-	-	1,506	1,506	-	31	1,506	31
BITUMINOUS	-	-	-	48	48	48	80	-	-	-	1,506	1,506	-	31	1,506	31
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	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	TOTAL NFDL					TOTAL	PARTIAL	TOTAL				
PROCESSING PLANTS:															
ALABAMA	-	1	22	23	23	7	30	-	60	-	660	60	720	60	31
ARIZONA	-	-	2	2	2	1	3	-	-	-	5	-	5	-	2
COLORADO	-	-	13	13	13	18	20	-	-	-	262	-	262	-	20
ILLINOIS	1	-	55	55	55	74	79	6,000	-	-	1,578	-	1,578	-	135
INDIANA	-	-	17	17	17	12	29	-	-	-	387	-	387	-	23
KANSAS	-	-	1	1	1	2	3	-	-	-	33	-	33	-	23
KENTUCKY	-	2	184	186	186	78	264	-	100	-	4,968	50	5,068	50	27
MARYLAND	-	1	5	6	6	3	9	-	50	-	268	50	318	50	53
MISSOURI	-	-	1	1	1	-	1	-	-	-	3	-	3	-	3
MONTANA	-	-	5	5	5	2	7	-	-	-	117	-	117	-	23
NEW MEXICO	-	-	3	3	3	11	14	-	-	-	54	-	54	-	18
NEW YORK	-	-	1	1	1	-	1	-	-	-	10	-	10	-	10
OHIO	-	-	24	24	24	25	49	-	-	-	588	-	588	-	25
PENNSYLVANIA:	-	-	90	94	94	27	121	-	200	-	4,278	50	4,478	50	48
ANTHRACITE	-	4	119	123	123	37	160	-	200	-	5,797	50	5,797	50	47
BITUMINOUS	-	4	209	217	217	64	281	-	400	-	9,875	50	10,275	50	47
ALL COAL	-	8	6	6	6	4	10	-	-	-	68	-	68	-	12
TENNESSEE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TEXAS	-	-	12	12	12	19	19	-	-	-	191	-	191	-	16
UTAH	-	-	92	94	94	82	182	-	500	-	2,190	83	2,690	83	24
VIRGINIA	2	6	202	208	209	63	272	12,000	310	-	5,851	52	11,851	52	147
WEST VIRGINIA	1	1	2	3	3	4	7	6,000	200	-	32	200	232	200	57
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77
TOTAL OR AVERAGE:	-	4	90	94	94	27	121	-	200	-	4,278	50	4,478	50	48
ANTHRACITE	-	21	766	787	791	364	1,155	24,000	1,420	-	23,983	68	47,983	68	61
BITUMINOUS	4	25	856	881	885	391	1,276	24,000	1,620	-	26,841	65	52,461	65	59
ALL COAL	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

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				TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL								
															TOTAL	PARTIAL	TOTAL	TOTAL
TOTAL OR AVERAGE	2	8	463	471	473	637	12 000	1 170	13 007	14 177	26 177	145	28	55				
ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	2				
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	1 186				
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	67				
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	21				
COLORADO	2	-	9	9	11	18	12 000	-	190	190	12 190	-	21	23				
ILLINOIS	3	-	188	195	196	293	6 000	2 780	4 364	7 144	13 144	397	32	42				
INDIANA	1	-	1 568	1 583	1 583	1 889	18 000	2 215	50 452	52 667	70 667	185	26	75				
IOWA	-	-	133	134	135	225	6 000	300	3 403	3 703	9 703	300	26	47				
KANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	13				
KENTUCKY	30	48	2 341	2 389	2 419	3 030	180 000	14 785	55 619	80 404	260 404	308	28	108				
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	5				
MARYLAND	1	-	95	97	98	121	6 000	100	2 354	2 454	8 454	50	25	86				
MISSOURI	-	-	21	21	21	35	-	-	313	313	313	-	15	15				
MONTANA	-	-	31	32	32	59	-	-	804	804	6 804	-	27	213				
NEBRASKA	-	-	40	40	40	90	-	-	1 133	1 133	1 133	-	26	10				
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	10				
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	7				
NORTH DAKOTA	-	-	24	24	24	48	-	-	172	172	172	-	31	66				
OHIO	2	-	334	340	342	642	12 000	450	10 223	10 673	22 673	75	12	15				
OKLAHOMA	-	-	30	31	31	50	-	100	369	469	469	100	-	75				
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ANTHRACITE	1	-	170	177	178	238	6 000	610	6 720	7 330	13 330	87	40	75				
BITUMINOUS	-	-	1 484	1 509	1 510	2 067	6 000	3 500	54 280	57 900	63 900	145	37	42				
ALL COAL	2	-	1 654	1 686	1 688	2 305	12 000	4 110	61 000	65 230	77 230	132	37	46				
TENNESSEE	1	-	154	158	159	195	6 000	450	5 003	5 453	11 453	172	32	73				
TEXAS	-	-	114	115	115	141	6 000	100	1 450	1 450	1 450	100	12	12				
UTAH	1	-	229	232	233	348	6 000	150	4 626	4 776	10 776	50	26	46				
VIRGINIA	8	-	1 217	1 238	1 246	1 700	48 000	15 850	34 274	50 124	98 124	755	28	79				
WASHINGTON	-	-	41	41	41	96	-	-	1 288	1 288	1 288	-	31	31				
WEST VIRGINIA	-	-	2 650	2 696	2 704	3 259	-	7 300	84 413	91 713	139 713	159	32	52				
WYOMING	-	-	84	88	88	180	-	2 095	2 095	4 125	4 125	524	24	47				
TOTAL OR AVERAGE	1	7	170	177	178	238	6 000	610	6 720	7 330	13 330	87	40	75				
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	56				
BITUMINOUS	61	189	11 267	11 457	11 518	15 284	366 000	51 465	340 050	397 515	763 515	272	30	66				
ALL COAL	62	196	11 437	11 634	11 696	15 522	372 000	52 075	346 770	404 845	776 845	266	30	66				
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ALABAMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
KENTUCKY	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
OHIO	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ANTHRACITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BITUMINOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND STATE AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY					
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	PERMANENT		TEMPO- RARY	TOTAL NFIL	TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL	
		TOTAL	PARTIAL	TOTAL												
GRAND TOTAL OR AVERAGE:	2	8	463	471	473	155	638	12,000	-	1,170	13,007	14,177	26,177	146	28	55
ALABAMA	-	-	3	3	3	1	4	-	-	-	12	12	12	-	4	4
ALASKA	-	-	9	11	11	7	18	12,000	-	-	190	190	12,190	-	21	21
ARIZONA	-	-	189	195	197	97	294	6,000	2,780	4,387	50,561	52,776	13,177	387	23	67
COLORADO	1	-	1,571	1,583	1,586	311	1,897	18,000	2,215	50,561	3,403	52,776	9,703	185	32	45
ILLINOIS	3	-	133	135	135	90	225	6,000	300	3,403	283	3,703	9,703	300	26	72
INDIANA	-	-	6	6	6	4	7	-	-	-	39	39	283	-	47	47
IOWA	1	-	3	3	3	4	7	-	-	-	65	65	283	-	13	13
KANSAS	-	-	2,345	2,383	2,423	613	3,036	180,000	14,785	65,652	80,447	80,447	280,447	308	28	107
KENTUCKY	30	48	4	4	4	8	20	-	-	-	19	19	19	-	5	5
LOUISIANA	-	-	95	97	98	23	121	6,000	100	2,354	2,354	2,454	8,454	50	25	86
MARYLAND	1	-	21	21	21	35	109	-	-	-	313	313	313	-	15	15
MISSOURI	-	-	31	32	32	59	177	-	6,000	-	824	824	6,824	-	27	27
MONTANA	-	-	40	40	40	50	90	-	-	-	1,133	1,133	1,133	-	28	28
NEVADA	-	-	1	1	1	1	1	-	-	-	10	10	10	-	10	10
NEW MEXICO	-	-	24	24	24	24	48	-	-	-	172	172	172	-	7	7
NEW YORK	-	-	341	341	343	644	1,288	12,000	-	450	10,275	10,675	22,469	75	31	107
NORTH CAROLINA	2	6	30	31	31	50	120	-	-	-	359	359	469	100	7	66
OHIO	-	-	170	177	178	238	476	6,000	610	6,720	6,720	7,330	13,330	87	40	75
OKLAHOMA	1	-	1,489	1,514	1,515	2,095	4,190	6,000	3,520	54,687	54,687	58,307	64,307	145	40	42
PENNSYLVANIA	1	-	1,659	1,661	1,661	2,334	4,668	6,000	4,230	61,407	61,407	65,637	77,637	132	37	46
ANTHRACTITE	2	-	154	156	156	36	92	6,000	450	5,003	5,003	5,453	11,453	112	32	42
BITUMINOUS	1	-	114	115	115	141	295	-	-	1,550	1,550	1,650	3,650	100	12	13
ALL COAL	1	-	229	233	234	349	744	6,000	200	4,826	4,826	5,276	10,276	50	20	46
TENNESSEE	-	-	1,217	1,238	1,246	1,701	3,402	6,000	15,850	34,214	34,214	38,638	98,124	755	26	79
TEXAS	-	-	41	41	41	96	192	48,000	7,300	84,756	84,756	92,056	140,056	159	31	52
UTAH	8	21	2,659	2,705	2,713	3,269	6,538	48,000	2,065	2,065	2,065	4,128	4,128	524	31	52
VIRGINIA	-	-	85	89	89	93	186	-	-	-	-	-	-	-	24	24
WASHINGTON	-	-	177	177	178	238	476	6,000	610	6,720	6,720	7,330	13,330	87	40	42
WEST VIRGINIA	-	-	11,291	11,482	11,543	15,325	30,650	386,000	51,515	341,931	341,931	388,546	764,546	271	30	46
WYOMING	-	-	11,461	11,659	11,721	15,563	31,122	372,000	52,125	347,751	347,751	405,876	777,876	265	30	66
TOTAL OR AVERAGE:	1	7	177	177	178	238	476	6,000	610	6,720	6,720	7,330	13,330	87	40	42
ANTHRACTITE	61	190	11,482	11,482	11,543	15,325	30,650	386,000	51,515	341,931	341,931	388,546	764,546	271	30	46
BITUMINOUS	52	197	11,659	11,659	11,721	15,563	31,122	372,000	52,125	347,751	347,751	405,876	777,876	265	30	66
ALL COAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES				SEVERITY MEASURES				
	FATAL	MFDL			TOTAL FATAL AND MFDL	NDL	TOTAL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL	NDL	ALL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL
		PERMANENT		TEMPORARY											
		TOTAL	PARTIAL												
UNDERGROUND MINES: UNDERGROUND:															
EAR-----	-	-	-	24	24	35	58	-	.04	.04	.05	.09	-	(*)	(*)
EYE-----	-	1	-	183	184	132	316	-	.28	.28	.20	.49	-	4	4
JAW-----	-	-	-	20	20	21	41	-	.03	.03	.03	.06	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	28	28	96	124	-	.04	.04	.15	.19	-	(*)	(*)
NOSE-----	-	-	-	26	26	22	48	-	.04	.04	.03	.07	-	(*)	(*)
SCALP-----	-	-	-	4	4	6	10	-	.01	.01	.01	.02	-	(*)	(*)
SKULL-----	-	-	-	5	5	-	5	-	.01	.01	-	-	-	(*)	(*)
FACE, NEC-----	-	-	-	57	57	61	118	-	.09	.09	.09	.18	-	1	1
HEAD, NEC-----	7	-	-	137	144	97	241	.01	.21	.22	.15	.37	65	3	68
NECK-----	1	-	-	357	358	74	432	(*)	.55	.55	.11	.67	9	17	26
UPPER ARM-----	-	-	-	10	10	4	14	-	.02	.02	.01	.02	-	(*)	(*)
ELBOW-----	-	-	-	131	131	29	160	-	.20	.20	.04	.25	-	6	6
FOREARM-----	-	-	-	59	59	44	103	-	.09	.09	.07	.16	-	2	2
WRIST-----	-	-	-	136	136	29	165	-	.21	.21	.04	.26	-	6	6
HAND-----	-	-	-	358	358	161	519	-	.55	.55	.25	.80	-	12	12
FINGER(S)-----	-	41	-	800	841	574	1,415	-	1.30	1.30	.89	2.19	-	39	39
UPPER EXTREMITIES, NEC-----	-	3	-	157	160	45	205	-	.25	.25	.07	.32	-	22	22
ABDOMEN-----	-	-	-	28	28	6	34	-	.04	.04	.01	.05	-	1	1
BACK-----	-	2	-	2,566	2,568	211	2,777	-	3.97	3.97	.33	4.29	-	144	144
CHEST-----	2	-	-	162	162	39	203	(*)	.25	.25	.06	.31	19	4	23
PELVIC REGION-----	-	70	-	262	262	17	279	-	.41	.41	.03	.43	-	14	14
SHOULDER(S)-----	-	-	-	289	289	52	341	-	.45	.45	.08	.53	-	16	16
TRUNK, NEC-----	1	-	-	169	170	18	188	(*)	.26	.26	.03	.29	9	10	19
THIGH-----	-	-	-	49	49	19	68	-	.08	.08	.03	.11	-	2	2
KNEE-----	-	-	-	804	804	95	899	-	1.24	1.24	.15	1.39	-	45	45
LOWER LEG-----	-	-	-	84	84	18	102	-	.13	.13	.03	.16	-	6	6
ANKLE-----	-	-	-	292	292	21	313	-	.45	.45	.03	.48	-	12	12
FOOT-----	-	1	-	399	399	47	446	-	.62	.62	.07	.69	-	18	18
TOE(S)-----	-	-	-	48	48	29	81	-	.08	.08	.04	.13	-	6	6
LOWER EXTREMITIES, NEC-----	-	3	-	223	223	44	267	-	.34	.34	.07	.41	-	24	24
BODY SYSTEMS-----	13	-	-	24	24	8	45	.02	.04	.06	.01	.07	121	1	122
MULTIPLE PARTS OF BODY-----	18	-	-	532	537	75	630	.03	.83	.86	.12	.97	167	49	216
UNCLASSIFIED-----	-	-	-	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)
TOTAL OR AVERAGE-----	42	130	8,349	8,479	8,521	2,129	10,650	.06	13.11	13.17	3.29	16.47	390	467	856

TABLE 8 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (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 INJURIES											
SURFACE AT UNDERGROUND:																
EAR-----	-	-	-	1	1	1	1	2	-	.01	.01	.01	.03	-	(*)	(*)
EYE-----	-	-	-	21	21	21	22	43	-	.31	.31	.33	.64	-	1	1
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	4	6	-	-	-	.09	.09	-	-	-
NOSE-----	-	-	-	-	-	-	4	4	-	-	-	.06	.06	-	-	-
SCALP-----	-	-	-	5	5	5	4	9	-	.07	.07	.06	.13	-	-	-
FACE, NEC-----	-	-	-	10	10	10	8	18	-	.15	.15	.12	.27	-	2	2
HEAD, NEC-----	-	-	-	4	4	4	4	8	-	.06	.06	.05	.12	-	2	2
NECK-----	-	-	-	3	3	3	3	6	-	.04	.04	.04	.04	-	2	2
UPPER ARM-----	-	-	-	10	10	10	6	16	-	.15	.15	.09	.24	-	3	3
ELBOW-----	-	-	-	3	3	3	3	6	-	.04	.04	.04	.04	-	1	1
FOREARM-----	-	-	-	13	13	13	3	16	-	.19	.19	.04	.24	-	10	10
WRIST-----	-	-	-	19	19	19	21	40	-	.28	.28	.31	.60	-	16	16
HAND-----	-	-	-	45	46	46	58	104	-	.89	.89	.86	1.55	-	4	4
FINGER(S)-----	-	-	-	10	10	10	1	11	-	.15	.15	.01	.16	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	-	3	3	3	1	4	-	.04	.04	.01	.06	-	1	1
ABDOMEN-----	-	-	-	162	163	163	18	181	-	2	2	.27	2.70	-	116	116
BACK-----	-	-	-	8	8	8	6	14	-	.12	.12	.09	.21	-	12	12
CHEST-----	-	-	-	13	13	13	20	33	-	.30	.30	.33	.33	-	12	12
PELVIC REGION-----	-	-	-	21	21	21	24	45	-	.31	.31	.37	.37	-	11	11
SHOULDER(S)-----	-	-	-	14	14	14	1	15	-	.21	.21	.01	.22	-	2	2
TRUNK, NEC-----	-	-	-	5	5	5	1	6	-	.07	.07	.01	.06	-	2	2
THIGH-----	-	-	-	42	42	42	9	51	-	.63	.63	.13	.76	-	27	27
KNEE-----	-	-	-	6	6	6	1	7	-	.09	.09	.01	.16	-	7	7
LOWER LEG-----	-	-	-	29	29	29	2	31	-	.43	.43	.03	.46	-	10	10
ANKLE-----	-	-	-	28	28	28	10	38	-	.42	.42	.15	.57	-	10	10
FOOT-----	-	-	-	9	9	9	3	12	-	.13	.13	.04	.18	-	3	3
TOE(S)-----	-	-	-	13	13	13	7	20	-	.19	.19	.10	.30	-	4	4
LOWER EXTREMITIES, NEC-----	-	-	-	5	5	5	4	9	-	.07	.07	.06	.15	-	89	89
BODY SYSTEMS-----	1	-	-	32	32	33	5	38	.01	.48	.49	.07	.57	.89	16	105
MULTIPLE PARTS OF BODY-----	1	-	-	534	543	545	219	754	.03	8.09	8.12	3.26	11.38	.179	271	449
TOTAL OR AVERAGE-----	2	-	9	534	543	545	219	754	.03	8.09	8.12	3.26	11.38	.179	271	449

TABLE 8. - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (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	NOL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL											
TOTAL OR AVERAGE, UG	-	-	-	25	25	25	36	51	-	04	05	09	-	-	(*)
EAR	-	-	-	204	205	205	154	359	-	29	22	15	-	-	4
EYE	-	1	-	20	20	20	21	41	-	03	03	06	-	-	(*)
JAW	-	-	-	28	28	28	102	130	-	04	14	18	-	-	(*)
MOUTH/TEETH/TONGUE	-	-	-	26	26	26	26	52	-	04	04	07	-	-	1
NOSE	-	-	-	4	4	4	7	11	-	01	01	02	-	-	(*)
SCALP	-	-	-	5	5	5	-	5	-	01	-	01	-	-	(*)
SKULL	-	-	-	62	62	62	65	127	-	09	09	18	-	-	1
FACE, NEC	-	-	-	147	147	154	105	259	01	21	22	36	59	2	62
HEAD, NEC	7	-	-	361	361	362	78	440	(*)	51	51	62	8	13	24
NECK	1	-	-	13	13	13	4	17	-	02	02	01	-	-	(*)
UPPER ARM	-	-	-	141	141	141	35	176	-	20	20	25	-	-	6
ELBOW	-	-	-	62	62	62	50	112	-	09	09	16	-	-	2
FOREARM	-	-	-	149	149	149	32	181	-	21	21	25	-	-	6
WRIST	-	-	-	377	377	377	182	559	-	53	53	78	-	-	11
HAND	-	-	-	845	845	845	632	1,519	-	1,24	1,24	89	-	-	37
FINGER(S)	-	-	-	167	170	170	46	216	-	24	24	30	-	-	21
UPPER EXTREMITIES, NEC	-	-	-	31	31	31	7	38	-	04	04	05	-	-	1
ABDOMEN	-	-	-	2,726	2,729	2,729	229	2,958	-	3,82	3,82	32	-	-	142
BACK	-	-	-	170	170	172	45	217	-	24	24	30	17	4	21
CHEST	2	-	-	205	205	205	19	301	(*)	35	35	42	-	-	14
PELVIC REGION	-	-	-	310	310	310	56	366	-	43	43	51	-	-	15
SHOULDER(S)	-	-	-	183	183	184	19	203	-	26	26	28	8	9	15
TRUNK, NEC	1	-	-	54	54	54	20	74	(*)	08	08	10	-	-	2
THIGH	-	-	-	846	846	846	104	950	-	1,18	1,18	15	-	-	43
KNEE	-	-	-	90	90	90	19	109	-	13	13	15	-	-	6
LOWER LEG	-	-	-	321	321	321	23	344	-	45	45	58	-	-	11
ANKLE	-	-	-	427	427	427	57	484	-	60	60	68	-	-	17
FOOT	-	-	-	57	57	57	32	93	-	09	09	13	-	-	5
TOE(S)	-	-	-	233	235	235	51	287	-	33	33	40	-	-	23
LOWER EXTREMITIES, NEC	-	-	-	29	29	29	12	55	-	04	06	02	-	-	1
BODY SYSTEMS	14	-	-	554	558	558	80	668	02	80	82	94	118	46	205
MULTIPLE PARTS OF BODY	19	-	-	2	2	2	-	2	03	(*)	(*)	11	160	(*)	(*)
UNCLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	44	-	139	8,883	9,022	9,066	2,348	11,414	06	12,54	12,70	15,99	370	448	818

TABLE 8 - NUMBER OF INJURIES, INCIDENCE RATES, AND SEVERITY MEASURES BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT ALL COAL OPERATIONS IN THE UNITED STATES, 1989 (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											
SURFACE MINES: STRIP.															
EAR-----	-	-	-	2	2	4	6	-	(*)	(*)	01	01	-	(*)	(*)
EYE-----	-	-	-	61	61	133	194	-	14	14	30	30	-	1	1
JAW-----	-	-	-	-	-	-	9	-	-	-	02	02	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	4	4	23	27	-	01	01	05	06	-	(*)	(*)
NOSE-----	-	-	-	2	2	11	13	-	(*)	(*)	02	03	-	(*)	(*)
SCALP-----	-	-	-	1	1	4	5	-	-	-	01	01	-	(*)	(*)
SKULL-----	1	-	-	-	-	-	1	(*)	-	-	-	(*)	13	13	13
FACE, NEC-----	-	-	-	9	9	19	28	-	02	02	04	06	-	(*)	(*)
HEAD, NEC-----	1	-	-	26	26	27	52	(*)	06	06	12	18	13	1	14
NECK-----	-	-	-	49	49	16	65	-	11	11	04	14	-	4	4
UPPER ARM-----	-	-	-	5	5	6	11	-	01	01	01	02	-	(*)	(*)
ELBOW-----	-	-	-	24	24	19	43	-	05	05	04	10	-	1	1
FOREARM-----	-	-	-	10	10	17	27	-	02	02	04	06	-	(*)	(*)
WRIST-----	-	-	-	29	29	16	45	-	06	06	04	10	-	2	2
HAND-----	-	-	-	49	49	67	116	-	11	11	15	26	-	2	2
FINGER(S)-----	-	-	-	120	120	210	330	-	27	27	47	73	-	9	9
UPPER EXTREMITIES, NEC-----	-	-	-	29	29	21	50	-	06	06	05	11	-	2	2
ABDOMEN-----	-	-	-	7	7	7	14	-	02	02	02	03	-	(*)	(*)
BACK-----	-	-	-	489	489	157	646	-	1.09	1.09	35	1.43	-	49	49
CHEST-----	-	-	-	42	42	20	62	-	09	09	04	14	-	2	2
PELVIC REGION-----	-	-	-	55	55	13	68	-	12	12	03	15	-	3	3
SHOULDER(S)-----	-	-	-	54	54	20	74	-	12	12	04	16	-	2	2
TRUNK, NEC-----	-	-	-	35	35	6	41	-	08	08	01	09	-	1	1
THIGH-----	-	-	-	13	13	14	27	-	03	03	03	06	-	1	1
KNEE-----	-	-	-	120	120	42	162	-	27	27	09	35	-	7	7
LOWER LEG-----	-	-	-	22	22	18	40	-	05	05	04	09	-	3	3
ANKLE-----	-	-	-	99	99	9	108	-	22	22	02	24	-	5	5
FOOT-----	-	-	-	54	54	14	69	-	12	12	03	15	-	3	3
TOE(S)-----	-	-	-	5	5	2	7	-	01	01	01	02	-	(*)	(*)
LOWER EXTREMITIES, NEC-----	-	-	-	51	51	27	78	-	11	11	06	17	-	4	4
BODY SYSTEMS-----	4	-	-	10	10	14	24	01	02	03	02	06	53	(*)	54
MULTIPLE PARTS OF BODY-----	8	-	-	169	169	46	223	02	38	39	10	50	197	17	123
UNCLASSIFIED-----	-	-	-	2	2	1	3	-	(*)	(*)	(*)	01	-	(*)	(*)
TOTAL OR AVERAGE-----	14	1	32	1,615	1,648	1,033	2,695	03	3.66	3.69	2.29	5.98	187	120	306

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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	NOI	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL					
		PERMANENT		TEMPO- RARY	TOTAL NFDL													
		TOTAL	PARTIAL															
ALL METALLIC-CONTINUED: OFFICE	-	-	-	-	-	1	-	1	-	.63	.63	2	2	150	316,802	1	16	
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	572	1,162,563	1	47
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	323	567,673	1	9
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	310	598,213	1	40
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	198	355,636	3	30
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	21,577	-	2
DELAWARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	157,594	-	2
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	5,545	-	2
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	203	344,370	-	28
IDAH	-	-	-	-	-	1	-	1	-	37.04	37.04	-	-	-	3	5,400	-	7
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	185	319,624	-	7
LOUISIANA	-	-	-	-	-	1	-	1	-	.59	.59	9	9	-	167	340,360	-	13
MICHIGAN	-	-	-	-	-	-	-	-	-	15	15	-	-	-	686	1,306,578	-	10
MINNESOTA	-	-	-	-	-	3	-	3	-	1.86	1.86	-	-	-	165	323,301	3	26
MISSISSIPPI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	226	337,110	1	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3,893	-	96
NEBRASKA	-	-	-	-	-	4	-	4	-	.65	.65	9	9	-	1,425	2,754,945	3	2
NEVADA	-	-	-	-	-	9	-	9	-	-	-	-	-	-	8	15,720	1	19
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	184	312,199	1	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	50,127	-	2
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	8,371	-	3
NORTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	9,460	-	2
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6,212	-	3
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	132,121	-	3
SOUTH CAROLINA	-	-	-	-	-	1	-	1	-	.90	.90	-	-	-	106	222,753	-	15
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	132,246	-	15
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	453	998,615	1	21
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	235	449,996	1	7
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	22,232	-	2
VIRGIN ISLANDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	10,578	-	2
VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	188,409	1	15
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	23,408	-	1
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	16,640	-	1
WISCONSIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	99,336	-	6
WYOMING	-	-	-	-	-	11	-	11	10	.19	.19	2	2	-	5,123	11,712,040	15	435
TOTAL OR AVERAGE	-	-	-	-	-	21	-	21	-	.36	.36	-	-	-	-	-	-	-

TABLE 6. - INJURY EXPERIENCE BY DEGREE AND WORKTIME FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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	NONFATAL			TOTAL FATAL AND NONFATAL	TOTAL INJURIES	FATAL	NONFATAL	ALL FATAL AND NONFATAL	ALL INJURIES	FATAL	NONFATAL	ALL FATAL AND NONFATAL						
		PERMANENT	TEMPORARY	TOTAL NONFATAL															
																		TOTAL	PARTIAL
ALL METALLIC-CONTINUED: GRAND TOTAL OR AVERAGE																			
ALASKA																			
ARIZONA																			
ARKANSAS																			
CALIFORNIA																			
COLORADO																			
CONNECTICUT																			
DELAWARE																			
FLORIDA																			
GEORGIA																			
IDAHO																			
ILLINOIS																			
INDIANA																			
LOUISIANA																			
MICHIGAN																			
MINNESOTA																			
MISSOURI																			
MONTANA																			
NEBRASKA																			
NEVADA																			
NEW JERSEY																			
NEW MEXICO																			
NEW YORK																			
NORTH CAROLINA																			
OHIO																			
PENNSYLVANIA																			
SOUTH CAROLINA																			
SOUTH DAKOTA																			
TENNESSEE																			
TEXAS																			
UTAH																			
VIRGIN ISLANDS																			
VIRGINIA																			
WASHINGTON																			
WEST VIRGINIA																			
WISCONSIN																			
WYOMING																			
TOTAL OR AVERAGE	11													53.275	104,633,454	708	785		

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, 1969

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	MIDL			TOTAL FATAL AND MIDL	TOTAL INJURIES	FATAL	MIDL			TOTAL FATAL AND MIDL	PERM- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MIDL	
		PERM- NENT	TEMPO- RARY	TOTAL				TOTAL	PARTIAL	TOTAL					
TOTAL	PARTIAL			TOTAL	PARTIAL										
ALUMINUM ORE: PROCESSING PLANTS: ARIZONA LOUISIANA TEXAS TOTAL OR AVERAGE	- - 1 1	2 - 6 8	36 42 42 120	38 42 48 128	38 42 49 129	55 64 136 253	- - 6,000 6,000	- - - -	940 - 300 1,240	774 906 2,276 3,956	1,714 906 2,576 5,196	470 - 50 155	22 22 54 33	45 22 175 87	
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ARIZONA	-	2	36	38	38	53	-	-	940	774	1,714	470	22	45	
LOUISIANA	-	-	42	42	42	64	-	-	-	906	906	-	22	22	
TEXAS	1	6	42	48	49	136	6,000	-	300	2,276	2,576	50	54	175	
TOTAL OR AVERAGE	1	8	120	128	129	253	6,000	-	1,240	3,956	5,196	155	33	87	
GRAND TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ARIZONA	-	2	36	38	38	53	-	-	940	774	1,714	470	22	45	
LOUISIANA	-	-	42	42	42	64	-	-	-	906	906	-	22	22	
TEXAS	1	6	42	48	49	136	6,000	-	300	2,276	2,576	50	54	175	
TOTAL OR AVERAGE	1	8	120	128	129	253	6,000	-	1,240	3,956	5,196	155	33	87	
BERYL: SURFACE MINES: OPEN PIT: UTAH TOTAL OR AVERAGE	- - - -	- - - -	- - - -	- - - -	- - - -	1 1 1 1	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
TOTAL OR AVERAGE, SURFACE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PROCESSING PLANTS: UTAH TOTAL OR AVERAGE	- - -	- - -	1 1 1	1 1 1	1 1 1	3 3 4	- - -	- - -	- - -	23 23 23	23 23 23	- - -	23 23 23	23 23 23	

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, 1989 (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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL	PARTIAL	PERMANENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
BERYL - CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS: UTAH----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: UTAH----- TOTAL OR AVERAGE----- COPPER: UNDERGROUND MINES: UNDERGROUND: ARIZONA----- MICHIGAN----- NEW MEXICO----- TOTAL OR AVERAGE----- SURFACE AT UNDERGROUND: ARIZONA----- MICHIGAN----- OREGON----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, UG: ARIZONA----- MICHIGAN----- NEW MEXICO----- OREGON----- TOTAL OR AVERAGE----- SURFACE MINES: OPEN PIT: ARIZONA----- MONTANA----- NEVADA----- NEW MEXICO----- UTAH----- TOTAL OR AVERAGE-----	-	-	1	1	1	4	5	-	-	-	-	23	-	23	23	-	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23</

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, 1989 (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				PARTIAL						
COPPER-CONTINUED:														
TOTAL OR AVERAGE, SURFACE:	-	-	-	-	-	-	-	-	-	-	-	-	-	
ARIZONA	-	3	91	6	94	116	8	-	150	-	3,761	50	41	42
ARIZONA	-	-	6	6	6	14	14	-	-	-	34	-	6	6
MONTANA	-	-	3	3	3	4	4	-	-	-	11	-	4	4
NEVADA	-	-	17	18	18	36	54	-	1,100	-	793	1,100	47	105
NEW MEXICO	-	-	16	16	16	43	59	-	-	-	458	-	29	29
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	4	133	137	137	204	341	-	1,250	-	5,057	312	38	46
TOTAL OR AVERAGE, MINING:														
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	10	176	186	186	156	342	-	5,950	-	8,666	595	48	79
ARIZONA	-	-	51	51	51	44	95	-	-	-	1,749	-	34	34
MICHIGAN	-	-	6	6	6	8	14	-	-	-	11	-	6	6
MONTANA	-	-	3	3	3	1	4	-	-	-	11	-	4	4
NEVADA	-	-	17	18	18	37	55	-	1,100	-	793	1,100	47	105
NEW MEXICO	-	-	1	1	1	1	1	-	-	-	13	-	13	13
OREGON	-	-	16	16	16	43	59	-	-	-	458	-	29	29
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	11	270	281	281	289	570	-	7,050	-	11,724	641	43	67
PROCESSING PLANTS:														
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	4	64	68	68	126	194	-	285	-	1,758	71	27	30
ARIZONA	-	-	-	-	-	1	1	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	3	3	-	-	-	-	-	-	-
MICHIGAN	-	-	9	9	9	9	18	-	-	-	171	-	19	19
MONTANA	-	-	33	33	33	33	60	-	300	-	65	300	13	61
NEW MEXICO	-	-	4	5	5	55	60	-	50	-	202	50	50	50
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	6	82	88	88	227	315	-	635	-	2,196	106	27	32
TOTAL OR AVERAGE, ALL MINES AND PLANTS:														
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	14	240	254	254	282	536	-	6,235	-	10,424	445	43	66
ARIZONA	-	-	-	-	-	1	1	-	-	-	-	-	-	-
IDAHO	-	-	51	51	51	47	98	-	-	-	1,749	-	34	34
MICHIGAN	-	-	15	15	15	17	32	-	-	-	205	-	14	14
MONTANA	-	-	3	3	3	1	4	-	-	-	11	-	4	4
NEVADA	-	-	22	24	24	70	94	-	1,400	-	858	700	29	94
NEW MEXICO	-	-	1	1	1	1	1	-	-	-	13	-	13	13
OREGON	-	-	20	21	21	98	119	-	50	-	660	50	33	34
UTAH	-	-	352	369	369	516	885	-	7,685	-	13,920	452	40	59
TOTAL OR AVERAGE	-	17	352	369	369	516	885	-	-	-	-	-	-	-
OFFICE:														
NEVADA	-	-	1	1	1	-	1	-	-	-	5	-	5	5
TOTAL OR AVERAGE	-	-	1	1	1	-	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, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	NFDL				LOST WORKDAYS				AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL			NOL	TOTAL FATAL AND NFDL	PERMANENT	NFDL		TOTAL FATAL AND NFDL	TEMPORARY	TOTAL NFDL	TEMPORARY	TOTAL FATAL AND NFDL	TEMPORARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TOTAL							PARTIAL									
COPPER-CONTINUED:																				
GRAND TOTAL OR AVERAGE	-	-	-	-	-	282	-	254	-	254	536	-	-	6,235	10,424	15,659	16,659	445	43	66
ARIZONA	-	14	240	254	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	34
IDAHO	-	-	-	-	-	47	-	51	-	51	98	-	-	-	1,749	1,749	1,749	-	-	14
MICHIGAN	-	-	15	15	-	17	-	15	-	15	32	-	-	-	205	205	205	-	-	4
MONTANA	-	-	4	4	-	1	-	4	-	4	5	-	-	-	16	16	16	-	-	4
NEVADA	-	-	22	24	-	70	-	24	-	24	94	-	-	1,400	858	2,258	2,258	700	38	94
NEW MEXICO	-	2	1	1	-	1	-	1	-	1	1	-	-	-	13	13	13	-	-	13
OREGON	-	1	20	21	-	98	-	21	-	21	119	-	-	50	560	710	710	50	33	34
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OF AVERAGE	-	17	353	370	-	516	-	370	-	370	886	-	-	7,685	13,925	21,610	21,610	452	39	58
GOLD:																				
UNDERGROUND MINES:																				
ARIZONA	1	-	10	10	11	10	6,000	-	-	-	21	6,000	-	-	230	230	230	-	29	572
CALIFORNIA	1	-	5	5	6	2	6,000	-	-	-	8	6,000	-	-	132	132	132	-	26	1,022
COLORADO	1	2	20	22	23	5	-	23	-	23	28	-	125	374	499	499	499	62	19	283
FLORIDA	-	-	18	18	18	8	-	18	-	18	26	-	-	-	347	347	347	-	9	19
MICHIGAN	-	1	45	46	46	13	-	46	-	46	59	-	50	427	477	477	477	50	10	10
MONTANA	-	-	17	17	17	13	-	17	-	17	30	-	-	-	477	477	477	-	28	28
NEVADA	-	-	1	1	1	2	-	1	-	1	2	-	-	-	2	2	2	-	2	2
OREGON	-	-	47	47	48	51	6,000	48	-	48	59	-	-	-	2,425	2,425	2,425	-	52	175
SOUTH DAKOTA	1	-	21	21	21	36	-	21	-	21	57	-	-	-	428	428	428	-	20	20
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	4	3	184	187	191	139	24,000	191	-	191	330	-	-	175	4,902	5,077	29,077	58	27	152
SURFACE AT UNDERGROUND:																				
ALASKA	-	-	1	1	1	-	-	1	-	1	1	-	-	-	10	10	10	-	10	10
ARIZONA	-	-	2	2	2	2	-	2	-	2	4	-	-	-	11	11	11	-	6	6
CALIFORNIA	-	-	3	3	3	1	-	3	-	3	5	-	-	-	495	495	495	-	165	165
COLORADO	-	-	3	3	3	4	-	3	-	3	4	-	-	-	156	156	156	-	52	52
FLORIDA	-	-	3	3	3	5	-	3	-	3	5	-	-	-	23	23	23	-	8	8
MICHIGAN	-	-	4	4	4	7	-	4	-	4	7	-	3,000	3,055	3,055	3,055	3,000	-	14	611
MONTANA	-	1	4	5	5	2	-	5	-	5	6	-	-	-	49	49	49	-	12	12
NEVADA	-	-	4	4	4	2	-	4	-	4	1	-	-	-	5	5	5	-	5	5
NEW MEXICO	-	-	1	1	1	6	-	1	-	1	13	-	-	-	369	369	369	-	53	53
NEW YORK	-	-	7	7	7	9	-	7	-	7	11	-	-	-	45	45	45	-	22	22
SOUTH DAKOTA	-	-	2	2	2	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	1	30	31	31	26	-	31	-	31	57	-	-	3,000	1,218	4,218	4,218	3,000	41	136

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, 1969 (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	TEMPO- RARY	TOTAL				TOTAL NFIDL							
TOTAL	PARTIAL														
GOLD-CONTINUED:															
TOTAL OR AVERAGE, UG:															
ALASKA	-	-	-	1	1	1	-	6,000	-	-	10	-	10	10	
ARIZONA	1	12	8	13	25	6,000	25	6,000	-	301	6,301	-	25	485	
CALIFORNIA	1	4	4	9	13	6,000	13	6,000	-	627	6,627	-	78	736	
COLORADO	1	23	21	26	32	6,000	32	125	-	530	6,655	62	23	256	
MICHIGAN	-	21	21	21	31	-	31	-	-	370	3,370	-	18	18	
MONTANA	-	49	51	51	66	-	66	-	3,050	482	3,532	1,525	10	69	
NEVADA	-	21	21	21	36	-	36	-	-	526	526	-	25	25	
NEW MEXICO	-	1	1	1	2	-	2	-	-	5	5	-	5	5	
OREGON	-	1	1	1	2	-	2	-	-	2	8,794	-	52	160	
SOUTH DAKOTA	1	54	54	55	112	6,000	112	-	-	2,794	473	-	21	21	
WASHINGTON	-	23	23	23	68	-	68	-	-	473	33,295	-	29	150	
TOTAL OR AVERAGE	4	214	218	222	387	24,000	165	3,175	-	6,120	9,295	794	29	150	
SURFACE MINES:															
OPEN PIT:															
ALASKA	-	-	-	25	25	-	33	-	150	366	516	150	15	21	
ARIZONA	-	24	8	8	18	-	18	-	-	164	1,164	-	20	25	
CALIFORNIA	-	2	47	49	73	-	73	-	290	926	1,216	145	20	20	
COLORADO	-	-	1	1	2	-	2	-	-	2	2	-	2	2	
IDAHO	-	3	3	3	4	-	4	-	-	10	10	-	3	3	
MONTANA	-	-	3	3	6	-	6	-	-	43	43	-	14	14	
NEVADA	-	-	3	3	3	-	3	-	-	10	10	-	20	47	
NEW MEXICO	-	8	179	187	331	-	331	-	5,180	3,612	8,792	648	11	11	
OREGON	-	1	1	1	1	-	1	-	-	11	11	-	7	2,850	
SOUTH CAROLINA	-	-	6	6	13	-	13	-	2,850	-	2,850	-	52	52	
SOUTH DAKOTA	-	-	2	2	12	-	12	-	-	44	44	-	5	5	
UTAH	-	-	7	7	16	-	16	-	-	184	184	-	10	10	
TOTAL OR AVERAGE	-	12	281	293	510	-	510	-	8,470	5,394	13,864	706	19	47	
DREDGE:															
ALASKA	-	-	-	17	17	-	20	-	-	98	98	-	6	6	
CALIFORNIA	-	-	3	3	28	-	28	-	-	111	111	-	37	37	
TOTAL OR AVERAGE	-	-	20	20	48	-	48	-	-	209	209	-	10	10	

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR TYPE OF MINERAL, WORK LOCATION, AND STATE AT \$400 PER HOUR OF LOST TIME IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL							TOTAL	PARTIAL									TOTAL	PARTIAL
GOLD-CONTINUED:																					
TOTAL OR AVERAGE, SURFACE:																					
ALASKA	-	1	41	42	42	11	53	-	150	464	614	150	11	15	15	15					
ARIZONA	-	-	8	10	18	10	18	-	290	164	164	145	20	20	20	20					
CALIFORNIA	-	2	50	52	102	49	101	-	-	1,327	1,327	-	21	21	21	21					
COLORADO	-	-	1	1	2	1	2	-	-	2	2	-	3	3	3	3					
IDAHO	-	-	3	3	6	4	6	-	-	10	10	-	14	14	14	14					
MONTANA	-	-	3	3	6	3	6	-	-	43	43	-	20	20	20	20					
NEVADA	-	8	179	187	187	144	331	-	5,180	3,612	8,792	646	11	11	47	47					
NEW MEXICO	-	-	1	1	2	-	2	-	2,850	11	11	2,850	-	-	2,850	2,850					
OREGON	-	1	6	7	13	7	13	-	-	44	44	-	7	7	7	7					
SOUTH CAROLINA	-	-	2	2	4	10	16	-	-	184	184	-	92	92	92	92					
SOUTH DAKOTA	-	-	7	7	14	16	16	-	-	32	32	-	5	5	5	5					
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TOTAL OR AVERAGE	-	12	301	313	313	245	558	-	8,470	5,503	14,073	706	19	45	45	45					
TOTAL OR AVERAGE MINING:																					
ALASKA	-	1	42	43	43	11	54	-	150	474	624	150	11	15	15	15					
ARIZONA	-	-	20	21	22	22	43	-	-	465	465	-	23	23	23	23					
CALIFORNIA	1	2	58	61	114	53	114	6,000	290	1,664	2,954	145	29	29	29	29					
COLORADO	1	2	24	26	27	7	34	6,000	125	532	657	62	3	3	3	3					
IDAHO	-	-	3	3	6	4	6	-	-	10	10	-	18	18	18	18					
MICHIGAN	-	-	21	21	42	31	42	-	3,050	3,575	5,225	1,525	21	21	21	21					
MONTANA	-	2	52	54	106	72	106	-	5,180	4,138	9,318	646	8	8	8	8					
NEVADA	-	8	200	208	208	159	367	-	2,850	16	16	2,850	-	-	1,426	1,426					
NEW MEXICO	-	-	2	2	4	-	2	-	-	2	2	-	2	2	2	2					
OREGON	-	1	6	7	13	7	13	-	-	44	44	-	7	7	7	7					
SOUTH CAROLINA	-	-	56	57	113	67	124	6,000	-	2,978	2,978	-	53	53	53	53					
SOUTH DAKOTA	1	-	7	7	14	9	16	-	-	32	32	-	5	5	5	5					
UTAH	-	-	23	23	46	45	88	-	-	473	473	-	21	21	21	21					
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TOTAL OR AVERAGE	4	16	515	531	535	410	945	24,000	11,645	11,723	23,368	728	23	89	89	89					
PROCESSING PLANTS:																					
ALASKA	-	-	6	6	12	1	1	-	-	-	-	-	-	-	-	-					
ARIZONA	-	-	41	41	82	42	83	-	-	112	112	-	-	-	-	-					
CALIFORNIA	-	1	7	8	15	11	19	-	300	387	418	300	10	10	10	10					
COLORADO	-	-	6	6	12	7	13	-	-	25	25	-	4	4	4	4					
IDAHO	-	-	2	2	4	1	3	-	-	32	32	-	16	16	16	16					
MICHIGAN	-	-	7	7	14	3	14	-	-	140	140	-	6	6	6	6					
MONTANA	-	1	130	131	261	24	264	-	100	2,755	2,755	100	17	17	17	17					
NEVADA	-	4	12	12	24	101	244	-	450	53	53	112	26	26	26	26					
NEW MEXICO	-	-	12	12	24	17	28	-	-	155	155	-	13	13	13	13					
SOUTH CAROLINA	-	-	4	4	8	4	8	-	-	177	177	-	44	44	44	44					
SOUTH DAKOTA	-	-	6	6	12	9	15	-	-	43	43	-	7	7	7	7					
UTAH	-	-	-	-	-	10	10	-	-	-	-	-	-	-	-	-					
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TOTAL OR AVERAGE	-	6	232	238	238	232	470	-	850	3,448	4,298	142	15	18	18	18					

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, 1989 (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 NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPO- RARY	TOTAL									
								TOTAL	PARTIAL				
GOLD-CONTINUED:													
TOTAL OR AVERAGE, ALL MINES AND PLANTS:													
ALASKA	-	1	42	43	43	55	6,000	150	474	624	150	11	15
ARIZONA	1	2	26	27	27	54	6,000	290	577	8,372	145	22	244
CALIFORNIA	1	3	99	101	102	197	6,000	425	2,082	7,044	142	20	82
COLORADO	1	3	31	35	35	53	6,000	425	619	35	4	4	201
IDAHO	-	-	9	9	9	17	-	-	35	402	-	17	17
MICHIGAN	-	-	23	23	23	34	-	3,150	555	3,715	1,050	10	60
MONTANA	-	3	59	62	62	104	-	5,530	6,444	12,074	469	19	34
NEVADA	-	12	339	351	351	611	-	2,850	68	2,852	2,850	2	1,426
NEW MEXICO	-	-	4	4	4	4	-	-	2	199	-	11	11
OREGON	-	1	1	2	2	3	-	-	199	3,155	-	53	150
SOUTH CAROLINA	-	1	18	18	18	42	6,000	-	3,155	75	-	6	6
SOUTH DAKOTA	1	-	60	60	60	132	-	-	75	473	-	21	21
UTAH	-	-	13	13	13	31	-	-	473	473	-	-	-
WASHINGTON	-	-	23	23	23	78	-	-	-	-	-	-	-
TOTAL OR AVERAGE	4	22	747	769	773	1,415	24,000	12,495	15,171	27,666	568	20	67
OFFICE:													
MICHIGAN	-	-	1	1	1	1	-	-	15	15	-	15	15
NEVADA	-	-	8	8	8	12	-	-	113	113	-	14	14
SOUTH DAKOTA	-	-	-	-	-	1	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	9	9	9	14	-	-	128	128	-	14	14
GRAND TOTAL OR AVERAGE:													
ALASKA	-	1	42	43	43	55	6,000	150	474	624	150	11	15
ARIZONA	1	2	26	27	27	54	6,000	290	577	8,372	145	22	244
CALIFORNIA	1	3	99	101	102	197	6,000	425	2,082	7,044	142	20	82
COLORADO	1	3	31	35	35	53	6,000	425	619	35	4	4	201
IDAHO	-	-	9	9	9	17	-	-	35	417	-	17	17
MICHIGAN	-	-	24	24	24	35	-	3,150	555	3,715	1,050	10	60
MONTANA	-	3	59	62	62	104	-	5,530	6,557	12,187	469	19	34
NEVADA	-	12	347	359	359	623	-	2,850	2	2,852	2,850	2	1,426
NEW MEXICO	-	-	4	4	4	4	-	-	199	3,155	-	53	150
OREGON	-	1	1	2	2	3	-	-	3,155	75	-	6	6
SOUTH CAROLINA	-	-	18	18	18	42	6,000	-	473	473	-	21	21
SOUTH DAKOTA	1	-	60	60	60	133	-	-	-	-	-	-	-
UTAH	-	-	13	13	13	31	-	-	-	-	-	-	-
WASHINGTON	-	-	23	23	23	78	-	-	-	-	-	-	-
TOTAL OR AVERAGE	4	22	756	778	782	1,429	24,000	12,495	15,289	27,794	568	20	66

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, 1989 (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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPORARY	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
IRON: UNDERGROUND MINES: MISSOURI----- TOTAL OR AVERAGE----- SURFACE AT UNDERGROUND: MISSOURI----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, U.S.: MISSOURI----- TOTAL OR AVERAGE----- SURFACE MINES: OPEN PIT: MICHIGAN----- MINNESOTA----- NEW YORK----- SOUTH DAKOTA----- TEXAS----- UTAH----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, SURFACE: MICHIGAN----- MINNESOTA----- NEW YORK----- SOUTH DAKOTA----- TEXAS----- UTAH----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, MINING: MICHIGAN----- MINNESOTA----- MISSOURI----- NEW YORK----- SOUTH DAKOTA----- TEXAS----- UTAH----- 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, 1989 (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 FATAL	PERMANENT						TOTAL NFDL
										TOTAL	PARTIAL					
IRON-CONTINUED: INDEPENDENT SHOPS: MICHIGAN----- MINNESOTA----- TOTAL OR AVERAGE-----	- - -	- - -	8 7 15	8 7 15	8 7 15	4 7 11	12 14 26	- - -	- - -	- - -	70 180 250	70 180 250	- - -	9 26 17	9 26 17	
PROCESSING PLANTS: MICHIGAN----- MINNESOTA----- MISSOURI----- NEW YORK----- TEXAS----- WEST VIRGINIA----- TOTAL OR AVERAGE-----	- 1 - - - -	1 4 - - - -	123 174 2 2 5	124 178 2 2 5	124 179 3 3 5	11 74 7 - 2	135 253 7 2 7	6,000 - - - -	- - - -	50 200 - - -	5,760 10,525 69 4 200	5,760 10,525 69 4 200	50 50 - - -	46 25 34 2 40	46 59 - - -	
MINES AND PLANTS: MICHIGAN----- MINNESOTA----- MISSOURI----- NEW YORK----- SOUTH DAKOTA----- TEXAS----- UTAH----- WEST VIRGINIA----- TOTAL OR AVERAGE-----	- 2 - - - - -	2 5 - - - -	194 276 5 5 5	196 281 5 5 5	196 283 5 5 5	24 115 14 2 1 2	220 398 19 3 2 6 1 7	12,000 - - - -	- - - -	100 550 - - -	8,486 7,426 69 82 38 1 200	8,586 19,976 69 82 38 1 200	50 110 - - -	44 27 14 27 - 5 40	44 71 14 27 - 8 40	
OFFICE: MINNESOTA----- MISSOURI----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	1 2 3	1 2 3	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
GRAND TOTAL OR AVERAGE: MICHIGAN----- MINNESOTA----- MISSOURI----- NEW YORK----- SOUTH DAKOTA----- TEXAS----- UTAH----- WEST VIRGINIA----- TOTAL OR AVERAGE-----	- 2 - - - - -	2 5 - - - -	194 276 5 5 5	196 281 5 5 5	196 283 5 5 5	24 116 16 2 1 2	220 399 21 3 2 6 1 7	12,000 - - -	- -	100 550 - -	8,486 7,426 69 82 38 1 200	8,586 19,976 69 82 38 1 200	50 110 - -	44 27 14 27 - 8 40	44 71 14 27 - 8 40	
MISSOURI----- TOTAL OR AVERAGE-----	2 -	7 -	489 -	496 -	498 -	158 -	656 -	12,000 -	650 -	16,302 -	26,952 -	93 -	33 -	58 -		

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, 1989 (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	PARTIAL	TOTAL FATAL AND NFDL					
			TOTAL	PARTIAL											
LEAD-ZINC, UNDERGROUND MINES UNDERGROUND	-	-	3	-	3	3	-	-	-	46	46	-	15	15	
ARIZONA	-	-	3	-	3	3	-	-	-	33	33	-	11	11	
COLORADO	-	-	3	-	3	3	-	-	-	46	46	-	15	15	
IDAHO	-	5	27	-	32	40	-	4,250	-	568	4,818	850	21	151	
MISSOURI	-	1	15	-	16	54	-	400	-	450	850	400	30	53	
NEW YORK	-	-	3	-	3	8	-	-	-	52	52	-	17	17	
TENNESSEE	1	-	44	-	47	96	6,000	4,050	-	1,336	5,386	1,350	30	237	
TOTAL OR AVERAGE	1	9	95	104	105	210	6,000	8,700	-	2,485	11,185	987	26	184	
SURFACE AT UNDERGROUND	-	-	1	-	1	1	-	-	-	9	9	-	9	9	
ARIZONA	-	-	1	-	1	5	-	-	-	138	138	-	26	26	
IDAHO	-	-	5	-	6	18	-	50	-	57	147	50	19	24	
MISSOURI	-	-	6	-	6	9	-	-	-	26	26	-	4	4	
TENNESSEE	-	-	6	-	6	33	-	-	-	271	321	50	18	18	
TOTAL OR AVERAGE	-	1	17	18	18	55	-	-	-	55	321	50	18	18	
TOTAL OR AVERAGE, US	-	-	6	4	4	4	-	-	-	55	55	-	14	14	
ARIZONA	-	-	3	-	3	9	-	-	-	33	33	-	11	11	
COLORADO	-	-	3	-	3	3	-	-	-	46	46	-	15	15	
IDAHO	-	5	32	-	37	45	-	4,250	-	707	4,957	850	22	134	
MISSOURI	-	2	20	-	22	72	-	450	-	547	997	225	27	45	
NEW YORK	-	-	3	-	3	8	-	-	-	52	52	-	17	17	
TENNESSEE	1	-	50	-	51	105	6,000	4,050	-	1,382	5,412	1,350	27	211	
TOTAL OR AVERAGE	1	10	112	122	123	243	6,000	8,750	-	2,756	11,506	575	25	142	
SURFACE MINES OPEN PIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ALASKA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, SURFACE ALASKA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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											
LEAD-ZINC-CONTINUED: TOTAL OR AVERAGE, MINING:															
ALASKA-----	-	-	-	-	1	-	-	-	-	-	-	-	-	14	
ARIZONA-----	-	-	4	-	4	-	-	-	-	-	-	-	-	11	
COLORADO-----	-	-	3	-	3	-	-	-	-	-	-	-	-	11	
IDAHO-----	-	-	32	-	37	-	-	-	-	-	-	-	-	22	
MISSOURI-----	-	-	20	-	22	-	-	-	-	-	-	-	-	27	
NEW YORK-----	-	-	5	-	5	-	-	-	-	-	-	-	-	17	
TENNESSEE-----	1	-	50	-	51	-	6,000	-	-	-	-	-	-	27	
TOTAL OR AVERAGE-----	1	-	112	-	123	-	6,000	-	-	-	-	-	-	25	
INDEPENDENT SHOPS: MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PROCESSING PLANTS:															
ALASKA-----	-	-	2	-	2	-	-	-	-	-	-	-	-	24	
COLORADO-----	-	-	3	-	3	-	-	-	-	-	-	-	-	19	
IDAHO-----	-	-	3	-	3	-	-	-	-	-	-	-	-	6	
MISSOURI-----	-	-	2	-	2	-	-	-	-	-	-	-	-	6	
NEVADA-----	-	-	8	-	8	-	-	-	-	-	-	-	-	57	
NEW YORK-----	-	-	6	-	7	-	-	-	-	-	-	-	-	18	
PENNSYLVANIA-----	-	-	1	-	1	-	-	-	-	-	-	-	-	31	
TENNESSEE-----	-	-	22	-	23	-	-	-	-	-	-	-	-	31	
TOTAL OR AVERAGE-----	-	-	22	-	23	-	-	-	-	-	-	-	-	31	
TOTAL OR AVERAGE, ALL MINES AND PLANTS:															
ALASKA-----	-	-	2	-	2	-	-	-	-	-	-	-	-	24	
ARIZONA-----	-	-	4	-	4	-	-	-	-	-	-	-	-	14	
COLORADO-----	-	-	3	-	3	-	-	-	-	-	-	-	-	11	
IDAHO-----	-	-	35	-	40	-	-	-	-	-	-	-	-	22	
MISSOURI-----	-	-	21	-	23	-	-	-	-	-	-	-	-	26	
NEVADA-----	-	-	3	-	3	-	-	-	-	-	-	-	-	8	
NEW YORK-----	-	-	8	-	8	-	-	-	-	-	-	-	-	17	
PENNSYLVANIA-----	1	-	56	-	57	-	6,000	-	-	-	-	-	-	26	
TENNESSEE-----	-	-	134	-	145	-	6,000	-	-	-	-	-	-	26	
TOTAL OR AVERAGE-----	1	-	134	-	145	-	6,000	-	-	-	-	-	-	26	
OFFICE: ALASKA-----	-	-	1	-	1	-	-	-	-	-	-	-	-	3	
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	1	-	1	-	-	-	-	-	-	-	-	3	

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, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL INJURIES	LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL		FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL	PARTIAL	TOTAL NFDL				
LEAD-ZINC-CONTINUED:														
GRAND TOTAL OR AVERAGE:	-	-	3	3	3	6	-	-	-	-	51	-	17	17
ALASKA	-	-	4	4	4	7	-	-	-	-	33	-	14	14
ARIZONA	-	-	3	3	3	10	-	-	-	-	850	-	22	22
COLORADO	-	-	35	40	40	49	-	-	4,250	450	1,003	225	26	26
IDAHO	-	5	21	23	23	49	-	-	-	-	15	-	8	8
MISSOURI	-	2	3	3	3	7	-	-	-	-	52	-	17	17
NEVADA	-	-	3	3	3	8	-	-	-	-	434	-	57	57
NEW YORK	-	-	3	3	3	61	-	-	7,050	1,472	14,522	1,762	26	26
PENNSYLVANIA	-	4	56	60	61	122	6,000	-	-	-	21,201	1,055	36	36
TENNESSEE	1	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	11	135	146	147	295	6,000	-	11,750	3,451	15,201	1,055	36	144
MANGANESE:														
PROCESSING PLANTS:	-	-	3	3	3	3	-	-	-	-	73	-	24	24
ILLINOIS	-	-	2	2	2	4	-	-	-	-	10	-	5	5
TEXAS	-	-	5	5	5	7	-	-	-	-	83	-	17	17
TOTAL OR AVERAGE	-	-	5	5	5	7	-	-	-	-	83	-	17	17
TOTAL OR AVERAGE, ALL MINES AND PLANTS:														
ILLINOIS	-	-	3	3	3	3	-	-	-	-	73	-	24	24
TEXAS	-	-	2	2	2	4	-	-	-	-	10	-	5	5
TOTAL OR AVERAGE	-	-	5	5	5	7	-	-	-	-	83	-	17	17
OFFICE:														
ILLINOIS	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	-	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE:														
ILLINOIS	-	-	3	3	3	4	-	-	-	-	73	-	24	24
TEXAS	-	-	2	2	2	4	-	-	-	-	10	-	5	5
TOTAL OR AVERAGE	-	-	5	5	5	8	-	-	-	-	83	-	17	17
MERCURY:														
PROCESSING PLANTS:	-	-	1	1	1	1	-	-	-	-	40	-	40	40
NEVADA	-	-	1	1	1	1	-	-	-	-	40	-	40	40
TOTAL OR AVERAGE	-	-	1	1	1	1	-	-	-	-	40	-	40	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, 1989 (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	TEMPO- RARY					TOTAL NFDL

PEDDARY-CONTINUED: TOTAL OR AVERAGE: ALL MINES AND PLANTS: NEVADA	-	-	1	1	1	-	1	-	-	-	40	40	-	40	40
TOTAL OR AVERAGE	-	-	1	1	1	-	1	-	-	-	40	40	-	40	40
GRAND TOTAL OR AVERAGE: NEVADA	-	-	1	1	1	-	1	-	-	-	40	40	-	40	40
TOTAL OR AVERAGE	-	-	1	1	1	-	1	-	-	-	40	40	-	40	40
MOLYBDENUM: UNDERGROUND MINES: COLORADO	-	1	22	23	23	17	40	-	-	50	452	502	50	21	22
NEW MEXICO	-	-	4	4	4	4	8	-	-	-	144	144	-	36	36
TOTAL OR AVERAGE	-	1	26	27	27	21	48	-	-	50	596	596	50	23	24
SURFACE AT UNDERGROUND: COLORADO	-	-	6	6	6	9	15	-	-	-	182	182	-	30	30
NEW MEXICO	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	6	6	6	10	16	-	-	-	182	182	-	30	30
TOTAL OR AVERAGE, UG: COLORADO	-	1	28	29	29	26	55	-	-	50	634	684	50	23	24
NEW MEXICO	-	-	4	4	4	5	9	-	-	-	144	144	-	36	36
TOTAL OR AVERAGE	-	1	32	33	33	31	64	-	-	50	778	828	50	24	25
SURFACE MINES: OPEN PIT: IDaho	-	-	5	5	5	3	8	-	-	-	30	30	-	6	6
NEVADA	-	-	8	8	8	5	13	-	-	-	257	257	-	37	37
TOTAL OR AVERAGE	-	-	13	13	13	8	21	-	-	-	327	327	-	25	25
TOTAL OR AVERAGE, SURFACE: IDaho	-	-	5	5	5	3	8	-	-	-	30	30	-	6	6
NEVADA	-	-	8	8	8	5	13	-	-	-	257	257	-	37	37
TOTAL OR AVERAGE	-	-	13	13	13	8	21	-	-	-	327	327	-	25	25

TABLE 7. - NUMBER OF INJURIES, LOST HOLIDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST HOLIDAYS						AVERAGE SEVERITY		
	FATAL	METAL			TOTAL FATAL AND METAL	NON- METAL	TOTAL INJURIES	FATAL	METAL			TOTAL FATAL AND METAL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND METAL
		PERMANENT	TEMPORARY	TOTAL					TOTAL METAL	TOTAL METAL					
											TOTAL				
NON-FERROUS-METALS CONTINUED:															
TOTAL OR AVERAGE, MINING:	-	1	28	29	55	26	85	-	50	-	50	50	23	24	
COLORADO:	-	-	5	5	3	3	8	-	30	-	30	-	6	6	
IDAHO:	-	-	8	8	13	5	18	-	297	-	297	-	37	37	
NEVADA:	-	-	4	4	5	5	9	-	144	-	144	-	36	36	
NEW MEXICO:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	-	1	45	46	85	39	85	-	1,155	-	1,155	50	25	25	
PROCESSING PLANTS:															
TOTAL OR AVERAGE:	-	-	5	5	16	11	37	-	41	-	41	-	8	8	
COLORADO:	-	-	3	3	3	3	6	-	141	-	141	-	47	47	
IDAHO:	-	-	7	7	12	5	17	-	111	-	111	-	16	16	
NEVADA:	-	-	1	1	3	2	3	-	13	-	13	-	13	13	
NEW MEXICO:	-	-	16	16	21	21	37	-	306	-	306	-	19	19	
TOTAL OR AVERAGE:	-	-	61	62	122	60	122	-	1,461	-	1,461	50	23	24	
IRON-ORE:															
TOTAL OR AVERAGE, ALL MINES AND PLANTS:	-	1	33	34	71	37	71	-	725	-	725	50	20	21	
COLORADO:	-	-	8	8	14	6	14	-	171	-	171	-	21	21	
IDAHO:	-	-	15	15	25	10	35	-	408	-	408	-	27	27	
NEVADA:	-	-	5	5	7	7	12	-	157	-	157	-	31	31	
NEW MEXICO:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	-	1	61	62	122	60	122	-	1,461	-	1,461	50	23	24	
GRAND TOTAL OR AVERAGE:															
COLORADO:	-	1	33	34	71	37	71	-	725	-	725	50	20	21	
IDAHO:	-	-	8	8	14	6	14	-	171	-	171	-	21	21	
NEVADA:	-	-	15	15	25	10	35	-	408	-	408	-	27	27	
NEW MEXICO:	-	-	5	5	7	7	12	-	157	-	157	-	31	31	
TOTAL OR AVERAGE:	-	1	61	62	122	60	122	-	1,461	-	1,461	50	23	24	
PLATINUM:															
UNDERGROUND MINES:															
UNDERGROUND:	1	-	10	10	11	19	30	6,000	-	-	359	-	36	578	
MONTANA:	1	-	10	10	11	19	30	6,000	-	-	359	-	36	578	
TOTAL OR AVERAGE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE, U.G. MINING:															
UNDERGROUND:	1	-	10	10	11	19	30	6,000	-	-	359	-	36	578	
MONTANA:	1	-	10	10	11	19	30	6,000	-	-	359	-	36	578	
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, 1989 (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	TOTAL					TOTAL	PARTIAL						
			TOTAL	PARTIAL											
PLATINUM-CONTINUED: TOTAL OR AVERAGE: MINING: MONTANA----- TOTAL OR AVERAGE----- PROCESSING PLANTS: ALASKA----- MONTANA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE: ALL MINES AND PLANTS: ALASKA----- MONTANA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: ALASKA----- MONTANA----- TOTAL OR AVERAGE----- POOR EARTHES: SURFACE MINES: OPEN PIT: CALIFORNIA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE: SURFACE: CALIFORNIA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE: MINING: CALIFORNIA----- TOTAL OR AVERAGE-----	1 1 - - - - - - 1 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, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATIONS 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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL			
		TOTAL	PERMA- NENT	PARTIAL				TOTAL	PERMA- NENT	PARTIAL								TOTAL	TEMPO- RARY	TOTAL NFDL
BASE EARTH-CONTINUED: PROCESSING PLANTS CALIFORNIA UTAH TOTAL OR AVERAGE	- - - - -	2 7 9 3 10	2 7 9 7 10	2 7 9 7 10	4 7 11 6 13	2 - 2 3 3	- - - - -	- - - - -	- - - - -	116 38 154 164 202	- - - - -	116 38 154 164 202	58 5 17 55 20	- - - - -	58 5 17 55 20	58 5 17 55 20				
TOTAL OR AVERAGE, ALL MINES AND PLANTS: CALIFORNIA UTAH TOTAL OR AVERAGE	- - - - -	3 7 10 3 10	3 7 7 7 10	3 7 7 7 10	6 7 13 6 13	3 - 3 3 3	- - - - -	- - - - -	- - - - -	164 38 202 164 202	- - - - -	164 38 202 164 202	55 5 20 55 20	- - - - -	55 5 20 55 20	55 5 20 55 20				
SILVER: UNDERGROUND MINES: ALASKA ARIZONA AR																				

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, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NFDL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL					PARTIAL					
										TOTAL				
SILVER-CONTINUED:														
TOTAL OR AVERAGE, UG:														
ALASKA-----	-	-	19	19	19	21	2	-	-	-	175	-	9	9
ARIZONA-----	-	1	6	7	7	10	3	-	-	50	132	50	14	19
IDAHO-----	1	7	105	112	113	204	91	6,000	-	3,525	5,473	504	19	102
MONTANA-----	-	-	14	14	14	28	14	-	-	-	162	-	12	12
NEVADA-----	1	-	7	7	8	8	5	6,000	-	-	139	-	20	767
NEW MEXICO-----	-	-	1	1	1	6	8	-	-	-	20	-	20	20
UTAH-----	-	-	6	6	6	14	8	-	-	-	65	-	11	11
TOTAL OR AVERAGE-----	2	8	158	165	168	291	123	12,000	-	3,575	6,166	447	16	108
SURFACE MINES:														
OPEN PIT:														
ARIZONA-----	-	-	1	1	1	2	1	-	-	-	2	-	2	2
IDAHO-----	-	-	5	5	5	7	2	-	-	-	187	-	37	37
NEVADA-----	-	-	41	41	41	47	6	-	-	-	842	-	21	21
TOTAL OR AVERAGE-----	-	-	47	47	47	56	9	-	-	-	1,031	-	22	22
TOTAL OR AVERAGE, SURFACE:														
ARIZONA-----	-	-	1	1	1	2	1	-	-	-	2	-	2	2
IDAHO-----	-	-	5	5	5	7	2	-	-	-	187	-	37	37
NEVADA-----	-	-	41	41	41	47	6	-	-	-	842	-	21	21
TOTAL OR AVERAGE-----	-	-	47	47	47	56	9	-	-	-	1,031	-	22	22
TOTAL OR AVERAGE, MINING:														
ALASKA-----	-	-	19	19	19	21	2	-	-	-	175	-	9	9
ARIZONA-----	-	1	7	8	8	12	4	-	-	50	134	50	12	17
IDAHO-----	1	7	110	117	118	211	93	6,000	-	3,525	5,660	504	19	99
MONTANA-----	-	-	14	14	14	28	14	-	-	-	162	-	12	12
NEVADA-----	1	-	48	48	49	55	6	6,000	-	-	981	-	20	142
NEW MEXICO-----	-	-	1	1	1	6	5	-	-	-	20	-	20	20
UTAH-----	-	-	6	6	6	14	8	-	-	-	65	-	11	11
TOTAL OR AVERAGE-----	2	8	205	213	215	347	132	12,000	-	3,575	7,197	447	18	89
PROCESSING PLANTS:														
ALASKA-----	-	-	2	2	2	2	-	-	-	-	6	-	3	3
IDAHO-----	-	1	6	7	7	14	7	-	-	1,140	1,312	1,140	29	37
MONTANA-----	-	-	14	14	14	21	7	-	-	-	632	-	45	45
NEVADA-----	-	1	3	4	4	7	3	-	-	50	78	50	9	20
NEW MEXICO-----	-	2	-	2	2	2	2	-	-	100	100	-	-	50
UTAH-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	-	4	25	29	29	48	19	-	-	1,290	2,128	322	34	73

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, 1989 (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					
	TOTAL	PARTIAL													
SILVER-CONTAINED: TOTAL OR AVERAGE, ALL MINES AND PLANTS:															
ALASKA-----	-	-	-	21	21	23	-	-	-	181	181	-	9	9	
ARIZONA-----	-	-	1	7	8	12	-	-	-	134	134	50	12	17	
IDAHO-----	1	8	116	124	125	225	6,000	4,665	2,307	6,972	12,972	583	20	104	
MONTANA-----	-	-	28	28	28	49	-	-	794	794	7,059	-	28	28	
NEVADA-----	1	1	51	52	53	62	6,000	50	1,009	1,059	7,059	50	20	133	
NEW MEXICO-----	-	-	2	1	3	8	-	-	20	20	120	50	20	40	
UT-----	-	-	6	6	6	16	-	-	65	65	165	-	11	11	
TOTAL OR AVERAGE-----	2	-	12	230	244	395	12,000	4,865	4,460	9,325	21,325	405	19	87	
GRAND TOTAL OR AVERAGE:															
ALASKA-----	-	-	-	21	21	23	-	-	-	181	181	-	9	9	
ARIZONA-----	-	-	1	7	8	12	-	-	-	134	134	50	12	17	
IDAHO-----	1	8	116	124	125	225	6,000	4,665	2,307	6,972	12,972	583	20	104	
MONTANA-----	-	-	28	28	28	49	-	-	794	794	7,059	-	28	28	
NEVADA-----	1	1	51	52	53	62	6,000	50	1,009	1,059	7,059	50	20	133	
NEW MEXICO-----	-	-	2	1	3	8	-	-	20	20	120	50	20	40	
UTAH-----	-	-	-	6	6	16	-	-	65	65	165	-	11	11	
TOTAL OR AVERAGE-----	2	-	12	230	244	395	12,000	4,865	4,460	9,325	21,325	405	19	87	
TITANIUM: SURFACE MINES: OREDEGE: FLORIDA-----	-	-	1	10	11	38	-	-	50	336	446	50	40	41	
TOTAL OR AVERAGE-----	-	-	1	10	11	38	-	-	50	336	446	50	40	41	
TOTAL OR AVERAGE, SURFACE: FLORIDA-----	-	-	1	10	11	38	-	-	50	336	446	50	40	41	
TOTAL OR AVERAGE-----	-	-	1	10	11	38	-	-	50	336	446	50	40	41	
TOTAL OR AVERAGE, MINING: FLORIDA-----	-	-	1	10	11	38	-	-	50	336	446	50	40	41	
TOTAL OR AVERAGE-----	-	-	1	10	11	38	-	-	50	336	446	50	40	41	
PROCESSING PLANTS: FLORIDA-----	-	-	-	1	1	3	-	-	-	37	37	-	37	37	
TOTAL OR AVERAGE-----	-	-	-	1	1	3	-	-	-	37	37	-	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, 1989 (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
		TOTAL	PARTIAL	TEMPO- RARY	PERMANENT					TOTAL NFDL							
					TOTAL						PARTIAL						
TITANIUM-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS: FLORIDA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: FLORIDA----- TOTAL OR AVERAGE----- TUNGSTEN: UNDERGROUND MINES: UNDERGROUND CALIFORNIA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, UG: CALIFORNIA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, MINING: CALIFORNIA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: CALIFORNIA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: CALIFORNIA----- 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, 1989 (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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPO- RARY	TOTAL NFDL							
URANIUM, UNDERGROUND MINES: UNDERGROUND: ARIZONA----- COLORADO----- NEW MEXICO----- UTAH----- TOTAL OR AVERAGE-----	- - - - -	- - 1 - -	5 7 9 3 24	5 7 10 3 25	5 7 10 3 25	11 11 16 5 43	6 4 6 2 18	- - - - -	- - 600 - 600	- - - - -	77 267 1,276 297 1,917	- - 600 - 600	77 267 1,276 297 1,917	- - 600 - 600	15 38 75 99 55	- - - - -	15 38 75 99 55
SURFACE AT UNDERGROUND: ARIZONA----- COLORADO----- NEW MEXICO----- UTAH----- WYOMING----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- 1 1 2 -	- 1 1 2 -	- 1 1 2 -	7 2 1 10 -	7 1 - 8 -	- - - - -	- - - - -	- - - - -	- 5 112 117 -	- 5 112 117 -	- 5 112 117 -	- 5 112 117 -	- 5 112 58 -	- 5 112 58 -	- 5 112 58 -
TOTAL OR AVERAGE, UG: ARIZONA----- COLORADO----- NEW MEXICO----- UTAH----- WYOMING----- TOTAL OR AVERAGE-----	- - - - -	- - 1 - -	5 8 9 3 26	5 8 10 3 27	5 8 10 3 27	18 13 16 5 53	13 5 6 2 26	- - - - -	- - 600 - 600	- - - - -	77 272 1,276 297 2,034	- - 600 - 600	77 272 1,276 297 2,034	- - 600 - 600	15 34 75 99 55	- - - - -	15 34 75 99 55
SURFACE MINES: OPEN PIT: TEXAS----- WYOMING----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- 8 8 - -	- 8 8 - -	- 8 8 - -	1 9 10 - -	1 1 2 - -	- - - - -	- - - - -	- - - - -	- 152 152 - -	- 152 152 - -	- 152 152 - -	- 152 152 - -	- 19 19 - -	- 19 19 - -	- 19 19 - -
TOTAL OR AVERAGE, SURFACE: TEXAS----- WYOMING----- TOTAL OR AVERAGE-----	- - - -	- - - -	- 8 8 -	- 8 8 -	- 8 8 -	1 9 10 - -	1 1 2 - -	- - - - -	- - - - -	- - - - -	- 152 152 - -	- 152 152 - -	- 152 152 - -	- 152 152 - -	- 19 19 - -	- 19 19 - -	- 19 19 - -
TOTAL OR AVERAGE, MINING: ARIZONA----- COLORADO----- NEW MEXICO----- TEXAS----- UTAH----- WYOMING----- TOTAL OR AVERAGE-----	- - - - - -	- - 1 - - -	5 8 9 3 34	5 8 10 3 35	5 8 10 3 35	18 13 16 5 63	13 5 6 2 28	- - - - -	- - 600 - 600	- - - - -	77 272 1,276 297 2,186	- - 600 - 600	77 272 1,276 297 2,186	- - 600 - 600	15 34 75 99 25 47	- - - - -	15 34 75 99 25 47

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, 1989 (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				PERMANENT		TOTAL NFDL						
								TOTAL	PARTIAL							
URANIUM-CONTINUED: PROCESSING PLANTS: COLORADO NEBRASKA NEW MEXICO TEXAS UTAH WYOMING TOTAL OR AVERAGE	- - - - - - -	- - - 1 1 - -	2 1 2 10 5 4 24	2 1 1 11 6 4 26	2 1 2 11 6 4 26	3 2 7 19 8 7 46	1 1 5 8 2 3 20	- - - - - - -	- - - 50 50 - 100 -	- - - 50 50 - 50 -	33 72 28 112 108 13 416	- - - - - - -	33 72 28 112 58 13 316	16 14 15 18 13 16		
TOTAL OR AVERAGE	-	-	24	26	26	46	20	-	-	-	416	416	50	13	16	
TOTAL OR AVERAGE. ALL MINES AND PLANTS: ARIZONA COLORADO NEBRASKA NEW MEXICO TEXAS UTAH WYOMING TOTAL OR AVERAGE	- - - - - - -	- - - 1 1 - -	5 10 1 11 10 8 58	5 10 1 12 11 9 61	5 10 1 12 11 9 61	18 16 2 23 20 13 109	13 6 1 11 9 4 48	- - - - - - -	- - - 600 50 50 700 -	- - - 600 50 50 -	- - - - - - -	77 305 72 1,304 162 405 277 2,602	- - - - - - -	77 305 72 1,304 112 355 277 1,902	15 30 72 109 15 45 21 43	
TOTAL OR AVERAGE	-	-	58	61	61	109	48	-	-	-	2,602	2,602	233	33	43	
GRAND TOTAL OR AVERAGE: ARIZONA COLORADO NEBRASKA NEW MEXICO TEXAS UTAH WYOMING TOTAL OR AVERAGE	- - - - - - -	- - - 1 1 - -	5 10 1 11 10 8 58	5 10 1 12 11 9 61	5 10 1 12 11 9 61	18 16 2 23 20 13 109	13 6 1 11 9 4 48	- - - - - - -	- - - 600 50 50 700 -	- - - 600 50 50 -	- - - - - - -	77 305 72 1,304 162 405 277 2,602	- - - - - - -	77 305 72 1,304 112 355 277 1,902	15 30 72 109 15 44 21 43	
TOTAL OR AVERAGE	-	-	58	61	61	109	48	-	-	-	2,602	2,602	233	33	43	
VANADIUM: UNDERGROUND MINES: UNDERGROUND: COLORADO TOTAL OR AVERAGE	- - - -	- - - -	- - - -	- - - -	- - - -	1 1 1 1	1 1 1 1	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
TOTAL OR AVERAGE, UG: COLORADO TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	- - -	1 1 1	1 1 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, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	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	TOTAL NFIDL					TOTAL NFIDL						
	TOTAL	PARTIAL							TOTAL	PARTIAL						
VANADIUM-CONTINUED: TOTAL OR AVERAGE, MINING: COLORADO----- TOTAL OR AVERAGE----- PROCESSING PLANTS: ARKANSAS----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: ARKANSAS----- COLORADO----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: ARKANSAS----- COLORADO----- TOTAL OR AVERAGE----- ZINC: PROCESSING PLANTS: NEW JERSEY----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: NEW JERSEY----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: NEW JERSEY----- 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, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL FATAL	TOTAL NFDL						
															TOTAL	PARTIAL
ALL METALLIC MINERALS: UNDERGROUND MINES: UNDERGROUND																
ALASKA	1	7	15	15	15	55	-	6,000	-	5,800	141	-	141	9		
ARIZONA	1	102	109	110	166	2	-	6,000	-	-	11,011	-	17,011	51		
CALIFORNIA	1	52	56	56	89	33	-	6,000	-	175	1,163	58	6,163	23		
COLORADO	1	126	138	139	232	93	-	6,000	-	7,775	10,250	648	16,250	22		
IDAHO	1	63	63	63	111	45	-	-	-	-	1,731	-	1,731	27		
MICHIGAN	1	19	20	20	106	41	-	-	-	400	901	400	1,731	45		
MISSOURI	1	63	64	65	106	37	-	6,000	-	50	958	50	6,958	14		
MONTANA	1	23	23	24	31	16	-	6,000	-	600	589	-	6,589	107		
NEVADA	1	14	15	15	31	5	-	-	-	-	1,440	-	1,440	26		
NEW MEXICO	1	3	3	3	8	1	-	-	-	-	52	-	52	17		
NEW YORK	1	1	1	1	2	2	-	-	-	-	2	-	2	2		
OREGON	1	47	47	48	99	51	-	6,000	-	-	2,425	-	8,425	176		
SOUTH DAKOTA	1	44	47	48	96	48	-	6,000	-	-	5,366	1,350	11,366	30		
TENNESSEE	1	8	8	8	18	10	-	-	-	4,050	339	-	11,339	42		
UTAH	1	21	21	21	57	36	-	-	-	-	428	-	428	20		
WASHINGTON	1	28	608	644	1,142	498	-	48,000	-	18,850	37,117	673	85,117	132		
TOTAL OR AVERAGE	8	-	636	644	1,142	498	-	-	-	-	-	-	-	-		
SURFACE AT UNDERGROUND:																
ALASKA	-	5	5	5	7	2	-	-	-	-	44	-	44	9		
ARIZONA	-	10	11	11	23	12	-	-	-	50	259	50	259	24		
CALIFORNIA	-	3	3	3	5	2	-	-	-	-	495	-	495	165		
COLORADO	-	10	10	10	21	11	-	-	-	-	343	-	343	34		
IDAHO	-	11	11	11	17	6	-	-	-	-	180	-	180	16		
MICHIGAN	-	9	9	9	15	6	-	-	-	-	388	-	388	43		
MISSOURI	-	6	7	7	19	12	-	-	-	-	105	50	155	19		
MONTANA	-	10	11	11	18	7	-	-	-	50	165	-	165	24		
NEVADA	-	5	5	5	7	2	-	-	-	3,000	3,095	3,000	3,095	10		
NEW MEXICO	-	1	1	1	2	1	-	-	-	-	76	-	76	15		
OREGON	-	1	1	1	2	1	-	-	-	-	5	-	5	3		
SOUTH DAKOTA	-	7	7	7	13	6	-	-	-	-	13	-	13	13		
TENNESSEE	-	6	6	6	9	3	-	-	-	-	369	-	369	53		
UTAH	-	1	1	1	1	1	-	-	-	-	26	-	26	4		
WASHINGTON	-	2	2	2	11	9	-	-	-	-	23	-	23	23		
WYOMING	-	1	1	1	1	1	-	-	-	-	45	-	45	22		
TOTAL OR AVERAGE	-	88	91	91	170	79	-	-	-	3,100	5,536	1,033	5,636	62		

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, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	PERMANENT		TOTAL FATAL AND NFIDL	TEMPORARY	PERMANENT AND NFIDL
		TOTAL	TEMPORARY	PARTIAL									
				TOTAL					PARTIAL				
ALL METALLIC-CONTINUED: TOTAL OR AVERAGE, U.S.													
ALASKA	1	20	112	8	133	22	2	6,000	-	5,850	185	5	9
ARIZONA	1	100	10	4	114	189	68	6,000	-	-	11,270	48	143
CALIFORNIA	1	62	10	3	75	15	4	6,000	-	175	658	24	605
COLORADO	1	137	72	12	221	110	44	6,000	-	7,775	1,644	19	116
IDAHO	1	25	72	2	99	249	99	6,000	-	-	16,430	29	110
MICHIGAN	1	25	73	2	98	126	54	-	-	-	2,119	26	36
MISSOURI	1	25	73	2	98	84	57	-	-	450	1,066	26	36
MONTANA	1	25	73	2	98	124	48	6,000	-	3,050	4,053	14	132
NEVADA	1	25	73	2	98	44	15	6,000	-	600	665	24	230
NEW MEXICO	1	25	73	2	98	33	17	-	-	-	1,445	17	8
NEW YORK	1	25	73	2	98	3	1	-	-	-	15	8	160
OREGON	1	25	73	2	98	112	57	6,000	-	4,050	2,794	52	271
SOUTH DAKOTA	1	25	73	2	98	105	51	6,000	-	-	11,412	27	40
TENNESSEE	1	25	73	2	98	19	10	-	-	-	362	40	21
UTAH	1	25	73	2	98	68	45	-	-	-	473	112	112
WASHINGTON	1	25	73	2	98	1	-	-	-	-	112	30	123
WYOMING	1	25	73	2	98	1	-	-	-	-	112	30	123
TOTAL OR AVERAGE	8	696	31	727	735	1,312	577	48,000	-	21,950	42,755	708	123
SURFACE MINES: OPEN PIT:													
ALASKA	1	25	103	1	129	34	9	-	-	150	516	15	21
ARIZONA	1	100	10	4	114	230	127	-	-	150	4,077	39	40
CALIFORNIA	1	62	10	3	75	75	25	-	-	230	1,264	20	25
COLORADO	1	137	72	12	221	2	1	-	-	-	2	2	2
IDAHO	1	25	72	2	99	19	6	-	-	-	277	17	17
MICHIGAN	1	25	73	2	98	73	34	-	-	50	2,756	43	43
MINNESOTA	1	25	73	2	98	131	9	6,000	-	350	9,271	31	96
MONTANA	1	25	73	2	98	20	11	-	-	-	77	9	9
NEVADA	1	239	19	8	256	395	155	-	-	5,180	9,942	21	42
NEW MEXICO	1	239	19	8	256	55	36	-	-	1,100	1,904	45	100
NEW YORK	1	239	19	8	256	1	-	-	-	-	13	13	13
OREGON	1	239	19	8	256	1	-	-	-	2,850	2,850	7	2,850
SOUTH CAROLINA	1	239	19	8	256	1	-	-	-	-	44	44	44
SOUTH DAKOTA	1	239	19	8	256	13	7	-	-	-	184	92	92
TEXAS	1	239	19	8	256	14	2	-	-	-	34	11	11
UTAH	1	239	19	8	256	5	2	-	-	-	491	20	20
WYOMING	1	239	19	8	256	77	53	-	-	-	152	19	19
TOTAL OR AVERAGE	1	646	18	664	665	1,154	489	6,000	-	10,120	27,804	27	51
UNDERGROUND:													
ALASKA	1	17	3	-	20	20	3	-	-	-	98	6	6
CALIFORNIA	1	17	3	-	20	28	25	-	-	-	111	37	37
FLORIDA	1	17	3	-	20	36	27	-	-	50	446	40	41
TOTAL OR AVERAGE	1	30	1	31	31	86	55	-	-	50	655	20	21

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, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION, AND STATE	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	METAL			TOTAL FATAL AND METAL	TOTAL INJURIES	FATAL	METAL			TOTAL FATAL AND METAL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND METAL
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL METAL						
TOTAL	PARTIAL	TOTAL	TOTAL	PARTIAL	TOTAL									
ALL METALLIC-CONTINUED:														
TOTAL OR AVERAGE SURFACE:														
ALASKA	-	-	41	42	42	54	-	150	464	614	150	11	15	
ARIZONA	-	3	100	103	103	230	-	150	3,977	4,077	150	39	40	
CALIFORNIA	-	2	51	53	53	103	-	290	1,085	1,375	145	21	26	
COLORADO	-	-	1	1	1	2	-	-	2	2	-	-	2	
FLORIDA	-	-	10	11	11	36	-	50	336	446	50	40	41	
IDAH0	-	-	13	13	13	19	-	50	227	227	-	17	17	
MICHIGAN	-	-	63	64	64	73	-	50	2,756	2,756	50	43	43	
MINNESOTA	1	-	95	96	97	131	6,000	350	2,971	3,271	350	31	96	
MONTANA	-	-	9	9	9	20	-	-	77	77	-	9	9	
NEVADA	-	8	231	239	239	305	-	5,180	4,762	9,942	648	21	42	
NEW MEXICO	-	1	18	19	19	55	-	1,100	864	1,904	1,100	45	100	
NEW YORK	-	-	1	1	1	1	-	2,850	13	13	2,850	13	13	
OREGON	-	-	1	1	1	7	-	-	44	44	-	7	7	
SOUTH CAROLINA	-	-	6	6	6	13	-	-	184	184	-	92	11	
SOUTH DAKOTA	-	-	2	2	2	14	-	-	34	34	-	11	11	
TEXAS	-	-	3	3	3	5	-	-	491	491	-	20	19	
UTAH	-	-	24	24	24	77	-	-	152	152	-	19	19	
WYOMING	-	-	8	8	8	9	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	9	50	676	685	686	1,240	6,000	10,170	18,289	28,459	535	27	50	
MINING:														
TOTAL OR AVERAGE:														
ALASKA	-	-	61	62	62	75	-	150	649	799	150	11	13	
ARIZONA	-	11	212	223	224	419	6,000	6,000	9,347	15,347	150	44	65	
CALIFORNIA	-	3	61	64	67	118	6,000	290	1,743	2,033	145	29	125	
COLORADO	-	-	63	66	69	112	-	175	1,471	1,646	145	23	115	
FLORIDA	-	-	10	11	11	35	-	50	336	446	50	40	41	
IDAH0	-	-	150	162	163	266	6,000	7,775	2,882	10,657	648	19	102	
MICHIGAN	-	-	135	136	136	199	-	50	4,875	5,271	50	35	36	
MINNESOTA	-	-	96	97	97	131	-	350	2,971	3,271	350	31	96	
MISSOURI	-	-	26	27	27	84	-	450	1,656	2,106	1,525	25	38	
MONTANA	-	-	82	84	85	144	-	3,050	1,080	4,130	1,525	13	119	
NEVADA	-	8	259	267	268	439	6,000	5,180	5,427	10,607	648	21	62	
NEW MEXICO	-	2	33	35	35	88	-	1,700	1,649	3,349	850	16	96	
NEW YORK	-	-	4	4	4	9	-	-	15	15	-	8	16	
OREGON	-	-	2	2	2	4	-	2,850	15	15	2,850	7	955	
SOUTH CAROLINA	-	-	6	6	6	13	-	-	44	44	-	-	-	
SOUTH DAKOTA	-	-	56	56	57	126	6,000	-	2,978	2,978	-	53	53	
TEXAS	-	3	50	53	54	105	6,000	4,050	1,362	5,412	1,360	27	211	
UTAH	-	-	3	3	3	5	-	-	34	34	-	11	11	
WASHINGTON	-	-	33	33	33	96	-	-	853	853	-	26	26	
WYOMING	-	-	23	23	23	10	-	-	473	473	-	21	21	
TOTAL OR AVERAGE	9	50	1,372	1,422	1,431	2,552	54,000	32,120	38,094	71,214	642	26	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, 1969 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	AVERAGE SEVERITY					
	NFDL			TOTAL NFDL	TOTAL FATAL AND NFDL				PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
	FATAL	PERMANENT	TOTAL															
																	TOTAL	PARTIAL
ALL METALLIC-CONTINUED: INDEPENDENT SHOPS: MICHIGAN MINNESOTA MISSOURI TOTAL OR AVERAGE	- - - - -	- - - - -	8 7 - 15 -	8 7 - 15 -	8 7 - 15 -	4 7 1 12 -	12 14 1 27 -	- - - - -	70 180 - 250 -	70 180 - 250 -	9 25 - 17 -	9 25 - 17 -	9 25 - 17 -					
PROCESSING PLANTS: ALASKA ARIZONA ARKANSAS CALIFORNIA COLORADO FLORIDA IDAHO ILLINOIS LOUISIANA MICHIGAN MINNESOTA MISSOURI MONTANA NEBRASKA NEVADA NEW JERSEY NEW MEXICO NEW YORK PENNSYLVANIA SOUTH CAROLINA SOUTH DAKOTA TENNESSEE TEXAS UTAH WASHINGTON WEST VIRGINIA WYOMING TOTAL OR AVERAGE	- -	- -	5 70 43 43 14 1 18 3 42 125 174 1 30 152 8 10 2 8 12 4 4 56 23 - - - - -	5 74 45 43 15 1 19 3 42 126 178 1 31 157 6 13 2 8 12 4 7 53 25 - - - -	5 6 44 24 2 19 3 64 126 179 1 31 157 109 2 2 4 8 17 4 10 145 71 5 4 894	11 205 95 87 39 3 38 3 106 141 253 15 72 265 8 53 4 29 6 17 210 96 10 7 7 1,757	6,000 -	- -	55 1,870 885 534 161 37 396 73 906 5,742 4,525 6 843 72 2,501 75 155 454 155 177 110 2,492 364 200 13 22,584	55 2,155 1,825 534 461 37 1,536 73 906 5,792 4,525 6 943 72 3,001 75 556 454 155 177 3,110 2,752 364 200 13 29,949	11 27 21 12 12 37 22 24 22 46 25 6 100 72 16 9 15 34 57 13 44 18 43 137 15 40 3 26	11 27 21 12 12 37 22 24 22 46 25 6 100 72 16 9 15 34 57 13 44 18 43 137 15 40 3 26	11 29 41 12 31 37 61 24 22 46 25 6 30 72 15 9 43 34 57 13 44 18 43 137 15 40 3 47					

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE PER TYPE OF MINERAL, WORK LOCATION, AND STATE
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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	TEMPO- RARY					TOTAL NFDL
ALL METALLIC-CONTINUED: TOTAL OR AVERAGE ALL MINES AND PLANTS																
ALASKA	1	15	2	17	18	20	57	5,000	150	-	704	854	150	11	13	13
ARIZONA	1	282	43	325	34	326	524	5,000	6,285	-	11,217	17,502	419	40	79	79
ARKANSAS	1	104	77	181	34	215	29	6,000	290	-	885	1,895	145	20	80	80
CALIFORNIA	1	11	11	22	33	66	151	6,000	475	-	2,277	2,752	119	22	40	40
COLORADO	1	138	167	305	29	334	41	5,000	50	-	433	483	50	24	40	40
FLORIDA	1	13	42	43	12	55	306	5,000	8,915	-	3,278	12,193	686	20	100	100
IDAHO	1	2	2	4	3	9	3	-	-	-	906	906	-	24	22	22
ILLINOIS	1	42	42	84	54	138	106	-	100	-	10,377	10,477	50	27	40	40
LOUISIANA	2	276	270	546	115	661	332	12,000	350	-	7,576	15,072	225	40	71	71
MICHIGAN	1	216	216	432	100	532	336	6,000	450	-	1,522	1,972	1,050	17	36	36
MINNESOTA	1	112	112	224	100	324	216	6,000	3,150	-	1,593	11,673	1,050	17	36	36
MISSOURI	1	411	411	822	290	1,112	705	6,000	5,600	-	7,308	19,608	437	17	46	46
NEBRASKA	1	13	13	26	1	27	8	-	2,100	-	1,608	3,708	420	9	81	81
NEVADA	1	43	43	86	53	139	141	-	2,550	-	1,134	2,684	2,850	21	22	22
NEW JERSEY	1	1	1	2	1	3	4	-	-	-	15	16	-	11	11	11
NEW MEXICO	1	1	1	2	1	3	8	-	-	-	454	454	-	11	13	13
NEW YORK	1	1	1	2	1	3	4	-	-	-	199	199	-	11	13	13
OREGON	1	1	1	2	1	3	8	-	-	-	15	16	-	11	13	13
PENNSYLVANIA	1	1	1	2	1	3	42	6,000	-	-	3,125	3,155	1,762	13	130	130
SOUTH CAROLINA	1	1	1	2	24	26	134	6,000	7,050	-	1,472	8,522	50	26	236	236
SOUTH DAKOTA	1	1	1	2	61	63	122	6,000	350	-	2,436	2,786	50	21	131	131
TENNESSEE	1	1	1	2	148	150	215	6,000	100	-	1,217	1,317	50	21	21	21
TEXAS	1	1	1	2	125	127	192	-	-	-	473	473	-	21	40	40
UTAH	1	1	1	2	23	25	76	-	-	-	200	200	-	21	21	21
WASHINGTON	1	1	1	2	13	15	17	-	-	-	277	277	-	21	21	21
WEST VIRGINIA	1	1	1	2	13	15	17	-	-	-	277	277	-	21	21	21
WYOMING	1	1	1	2	13	15	17	-	-	-	277	277	-	21	21	21
TOTAL OR AVERAGE	11	2,247	2,329	2,390	2,036	4,376	4,376	56,000	35,485	-	51,928	101,413	482	26	72	72
OFFICE:																
ALASKA	-	1	1	1	1	1	1	-	-	-	3	3	-	3	3	3
ILLINOIS	-	1	1	1	1	1	1	-	-	-	15	15	-	15	15	15
MICHIGAN	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-
MINNESOTA	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-
MISSOURI	-	9	9	9	9	9	13	-	-	-	118	118	-	13	13	13
NEVADA	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	11	11	11	10	21	21	-	-	-	136	136	-	12	12	12
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, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES					TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL					TOTAL FATAL AND NFDL	AVERAGE SEVERITY																
	FATAL	NFDL			TOTAL NFDL					PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL		TEMPO- RARY	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL												
		TOTAL	PARTIAL	TOTAL																	TOTAL	PARTIAL	TOTAL	TOTAL	PARTIAL	TOTAL						
																											TOTAL	PARTIAL	TOTAL	TOTAL	PARTIAL	TOTAL
ALL METALLIC-CONTINUED																																
GRAND TOTAL OR AVERAGE	11	2,256	2,340	2,351	2,046	4,397		55,000	39,495	52,064	101,549	47	27	73																		
ALASKA																																
ARIZONA																																
ARKANSAS																																
CALIFORNIA																																
COLORADO																																
FLORIDA																																
IDAHO																																
ILLINOIS																																
LOUISIANA																																
MICHIGAN																																
MINNESOTA																																
MISSOURI																																
MONTANA																																
NEBRASKA																																
NEVADA																																
NEW JERSEY																																
NEW MEXICO																																
NEW YORK																																
OKLAHOMA																																
PENNSYLVANIA																																
SOUTH CAROLINA																																
SOUTH DAKOTA																																
TENNESSEE																																
TEXAS																																
UTAH																																
WASHINGTON																																
WEST VIRGINIA																																
WYOMING																																
TOTAL OR AVERAGE	11	2,256	2,340	2,351	2,046	4,397		55,000	39,495	52,064	101,549	47	27	73																		

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, 1989

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES		
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	FATAL	NFIDL	ALL FATAL AND NFIDL	NOL	ALL INDU- RIES	FATAL	NFIDL	ALL FATAL AND NFIDL
		PERMANENT	TEMPO- RARY	TOTAL NFIDL										
UNDERGROUND MINES: UNDERGROUND:														
EAR-----	-	-	-	25	25	-	4	-	-	-	.05	-	-	-
EYE-----	-	-	-	2	2	25	35	-	34	.34	.47	-	3	3
JAW-----	-	-	-	2	2	2	4	-	.03	.03	.05	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	2	2	2	13	-	.03	.03	.17	-	(*)	(*)
NOSE-----	-	-	-	2	2	2	10	-	.03	.03	.13	-	(*)	(*)
SCALP-----	-	-	-	2	2	2	3	-	.03	.03	.04	-	(*)	(*)
FACE, NEC-----	-	-	-	6	6	5	14	-	.08	.08	.19	-	2	2
HEAD, NEC-----	1	-	-	12	12	13	27	.01	.16	.17	.36	.81	5	85
NECK-----	-	1	-	10	11	11	11	-	.15	.15	.15	-	10	10
UPPER ARM-----	-	-	-	1	1	1	1	-	.01	.01	.01	-	(*)	(*)
ELBOW-----	-	-	-	15	15	15	18	-	.20	.20	.24	-	7	7
FOREARM-----	-	-	-	13	13	13	23	-	.17	.17	.31	-	6	6
WRIST-----	-	-	-	9	9	9	18	-	.12	.12	.24	-	7	7
HAND-----	-	-	-	13	15	15	33	-	.20	.20	.44	-	16	16
FINGER(S)-----	-	2	-	54	61	61	114	-	.82	.82	1.53	-	54	54
UPPER EXTREMITIES, NEC-----	-	7	-	14	14	14	20	-	.19	.19	.27	-	4	4
BACK-----	-	3	-	137	140	140	26	-	1.88	1.88	.35	-	137	137
CHEST-----	-	-	-	17	17	17	13	-	.23	.23	.17	-	6	6
PELVIC REGION-----	-	-	-	12	20	20	2	-	.27	.27	.03	-	11	11
SHOULDER(S)-----	-	-	-	27	28	28	10	-	.38	.38	.13	-	25	25
TRUNK, NEC-----	2	-	-	8	9	11	5	.03	.12	.15	.07	.161	43	204
THIGH-----	-	-	-	3	3	3	2	-	.04	.04	.03	-	(*)	(*)
KNEE-----	-	-	-	37	38	38	13	-	.51	.51	.17	-	33	33
LOWER LEG-----	-	-	-	10	11	11	4	-	.15	.15	.05	-	15	15
ANKLE-----	-	-	-	43	43	43	12	-	.58	.58	.16	-	15	15
FOOT-----	-	-	-	53	53	53	21	-	.71	.71	.28	-	14	14
TOE(S)-----	-	-	-	9	9	9	5	-	.12	.12	.07	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	-	13	15	15	7	-	.20	.20	.09	-	37	37
BODY SYSTEMS-----	1	-	-	9	9	9	6	.01	.12	.13	.08	.81	1	81
MULTIPLE PARTS OF BODY-----	4	-	-	49	50	54	24	.05	.67	.73	.32	323	47	370
UNCLASSIFIED-----	-	-	-	1	1	1	-	-	.01	.01	-	-	(*)	(*)
TOTAL OR AVERAGE-----	8	28	508	536	644	498	498	.11	8.56	8.66	6.70	646	499	1,145

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, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED		NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
		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												
SURFACE AT UNDERGROUND:																	
EAR-----		-	-	-	4	4	-	1	-	.21	.21	.05	.05	-	1	1	1
EYE-----		-	-	-	-	-	-	17	-	-	-	.67	.88	-	-	-	-
JAW-----		-	-	-	-	-	-	2	-	-	-	.10	.10	-	-	-	-
MOUTH/TEETH/TONGUE-----		-	-	-	-	-	-	1	-	-	-	.05	.05	-	-	-	-
NOSE-----		-	-	-	2	2	2	3	-	.10	.10	.26	.26	-	2	2	2
FACE, NEC-----		-	-	-	1	1	1	-	-	.05	.05	.05	.05	-	2	2	2
HEAD, NEC-----		-	-	-	3	3	3	4	-	.16	.16	.21	.36	-	4	4	4
NECK-----		-	-	-	1	1	1	1	-	.05	.05	.05	.05	-	2	2	2
ELBOW-----		-	-	-	1	1	1	2	-	.10	.10	.21	.31	-	1	1	1
FOREARM-----		-	-	-	2	2	2	4	-	.62	.62	.93	1.55	-	9	9	9
WRIST-----		-	-	-	12	12	12	18	-	.10	.10	.05	.16	-	2	2	2
HAND-----		-	-	-	26	26	26	40	-	1.34	1.34	.72	2.07	-	35	35	35
FINGER(S)-----		-	-	-	1	1	1	1	-	.05	.05	.05	.10	-	13	13	13
UPPER EXTREMITIES, NEC-----		-	-	-	2	2	2	3	-	.10	.10	.05	.16	-	8	8	8
BACK-----		-	-	-	3	3	3	5	-	.05	.05	.05	.05	-	10	10	10
CHEST-----		-	-	-	2	2	2	2	-	.05	.05	.05	.05	-	9	9	9
PELVIC REGION-----		-	-	-	9	9	9	10	-	.47	.47	.05	.52	-	5	5	5
SHOULDER(S)-----		-	-	-	7	7	7	8	-	.36	.36	.05	.41	-	161	161	161
TRUNK, NEC-----		-	-	-	4	4	4	6	-	.21	.21	.10	.31	-	2	2	2
THIGH-----		-	-	-	3	3	3	1	-	.05	.05	.05	.16	-	(*)	(*)	(*)
KNEE-----		-	-	-	2	2	2	3	-	.10	.10	.05	.16	-	20	20	20
LOWER LEG-----		-	-	-	1	1	1	1	-	.05	.05	.05	.05	-	(*)	(*)	(*)
ANKLE-----		-	-	-	9	9	9	10	-	.47	.47	.05	.52	-	9	9	9
TOE(S)-----		-	-	-	7	7	7	8	-	.36	.36	.05	.41	-	5	5	5
LOWER EXTREMITIES, NEC-----		-	-	-	4	4	4	6	-	.21	.21	.10	.31	-	161	161	161
BODY SYSTEMS-----		-	-	-	1	1	1	1	-	.05	.05	.05	.16	-	2	2	2
MULTIPLE PARTS OF BODY-----		-	-	-	2	2	2	3	-	.10	.10	.05	.16	-	(*)	(*)	(*)
TOTAL OR AVERAGE-----		-	-	-	5	5	5	7	-	.26	.26	.10	.36	-	20	20	20
		-	-	-	88	91	91	170	-	4.70	4.70	4.08	8.79	-	291	291	291

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, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	MFDL			TOTAL FATAL AND MFDL	NDL	TOTAL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL	NDL	ALL INJU- RIES	FATAL	MFDL	ALL FATAL AND MFDL
		PERMANENT		TOTAL MFDL											
		TOTAL	PARTIAL												
TOTAL OR AVERAGE, UG:															
EAR-----	-	-	-	-	29	5	77	-	31	31	05	05	-	-	-
EYE-----	-	-	29	-	29	48	7	-	02	02	51	62	-	2	2
JAW-----	-	-	2	-	2	5	17	-	02	02	06	18	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	2	-	2	15	13	-	02	02	16	14	-	(*)	(*)
NOSE-----	-	-	2	-	2	2	3	-	02	02	12	14	-	(*)	(*)
SCALP-----	-	-	2	-	2	3	5	-	02	02	03	05	-	(*)	(*)
FACE, NEC-----	-	-	8	-	8	17	25	-	09	09	18	27	-	2	2
HEAD, NEC-----	1	-	13	-	13	27	41	01	14	15	29	44	64	4	68
NECK-----	-	1	10	-	11	12	23	-	12	12	13	25	-	8	8
UPPER ARM-----	-	-	1	-	1	1	2	-	01	01	01	02	-	(*)	(*)
ELBOW-----	-	-	18	-	18	22	40	-	19	19	23	43	-	7	7
FOREARM-----	-	-	14	-	14	23	37	-	15	15	25	39	-	5	5
WRIST-----	-	-	9	-	9	20	29	-	10	10	21	31	-	5	5
HAND-----	-	2	15	-	17	37	54	-	18	18	39	58	-	13	13
FINGER(S)-----	-	7	66	-	73	132	205	-	78	78	141	219	-	45	45
UPPER EXTREMITIES, NEC-----	-	-	16	-	16	21	37	-	17	17	22	39	-	4	4
BACK-----	-	3	163	-	166	40	206	-	177	177	43	220	-	116	116
CHEST-----	-	-	18	-	18	14	32	-	19	19	15	34	-	8	8
PELVIC REGION-----	-	10	15	-	25	2	27	-	27	27	02	29	-	10	10
SHOULDER(S)-----	-	1	29	-	30	11	41	-	22	22	12	44	-	22	22
TRUNK, NEC-----	2	1	9	-	10	3	17	02	11	13	05	18	128	34	162
THIGH-----	-	-	3	-	3	5	17	-	03	03	03	06	-	(*)	(*)
KNEE-----	-	1	46	-	47	14	61	-	50	50	15	65	-	28	28
LOWER LEG-----	-	1	10	-	11	6	17	-	12	12	06	18	-	12	12
ANKLE-----	-	1	50	-	51	13	63	-	53	53	14	67	-	13	13
FOOT-----	-	1	56	-	57	23	80	-	61	61	25	85	-	45	45
TOE(S)-----	-	-	10	-	10	5	15	-	11	11	05	16	-	2	2
LOWER EXTREMITIES, NEC-----	-	2	15	-	17	8	25	-	18	18	09	27	-	31	31
BODY SYSTEMS-----	1	-	10	-	10	1	19	01	11	12	09	20	64	1	65
MULTIPLE PARTS OF BODY-----	4	1	54	-	55	26	85	04	59	53	28	91	256	41	297
UNCLASSIFIED-----	-	-	1	-	1	-	1	-	01	01	-	01	-	(*)	(*)
TOTAL OR AVERAGE-----	8	31	696	-	727	735	577	09	776	785	616	1401	512	456	969

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, 1989 (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	PARTIAL													
SURFACE MINES:																
OPEN PIT:																
EAR-----	-	-	-	2	2	2	4	-	.01	.01	.01	.03	-	(*)	(*)	
EYE-----	-	-	-	20	20	20	67	-	.13	.13	.29	.42	-	(*)	(*)	
JAW-----	-	-	-	1	1	1	7	-	-	-	.04	.04	-	-	-	
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	12	-	.01	.01	.07	.08	-	(*)	(*)	
NOSE-----	-	-	-	-	-	-	4	-	-	-	.03	.03	-	-	-	
SCALP-----	-	-	-	-	-	-	1	-	-	-	.01	.01	-	-	-	
SKULL-----	-	-	-	1	1	1	1	-	.01	.01	.01	.01	-	(*)	(*)	
FACE, NEC	-	-	-	-	-	-	5	-	-	-	.03	.03	-	-	-	
HEAD, NEC	-	-	-	9	9	9	24	-	.06	.06	.09	.15	-	1	1	
NECK-----	-	-	-	19	19	19	21	-	.12	.12	.01	.13	-	2	2	
UPPER ARM	-	-	-	5	5	5	7	-	.03	.03	.01	.04	-	1	1	
ELBOW-----	-	-	-	9	9	9	8	-	.06	.06	.05	.11	-	1	1	
FOREARM-----	-	-	-	6	6	6	17	-	.04	.04	.03	.07	-	2	2	
WRIST-----	-	-	-	11	11	11	16	-	.07	.07	.10	.17	-	19	19	
HAND-----	-	-	-	13	14	14	29	-	.09	.09	.18	.27	-	22	22	
FINGER(S)-----	-	-	-	51	59	59	177	-	.37	.37	.80	1.16	-	1	1	
UPPER EXTREMITIES, NEC	-	-	-	12	12	12	18	-	.08	.08	.11	.19	-	1	1	
ABDOMEN-----	-	-	-	6	6	6	6	-	.04	.04	.04	.04	-	1	1	
BACK-----	-	-	-	194	194	194	260	-	.21	.21	.41	.63	-	41	41	
CHEST-----	-	-	-	14	14	14	26	-	.09	.09	.08	.16	-	1	1	
PELVIC REGION-----	-	-	-	10	17	17	5	-	.11	.11	.03	.14	-	4	4	
SHOULDER(S)-----	-	-	-	32	32	32	46	-	.20	.20	.09	.29	-	8	8	
TRUNK, NEC	-	-	-	10	10	10	12	-	.06	.06	.01	.08	-	2	2	
THIGH-----	-	-	-	3	3	3	9	-	.02	.02	.04	.06	-	(*)	(*)	
KNEE-----	-	-	-	64	64	64	88	-	.40	.40	.15	.55	-	13	13	
LOWER LEG-----	-	-	-	9	9	9	14	-	.06	.06	.03	.09	-	3	3	
ANKLE-----	-	-	-	35	35	35	48	-	.22	.22	.08	.30	-	4	4	
FOOT-----	-	-	-	27	27	27	30	-	.17	.17	.02	.19	-	4	4	
TOE(S)-----	-	-	-	2	2	2	6	-	.01	.01	.03	.04	-	(*)	(*)	
LOWER EXTREMITIES, NEC	-	-	-	22	22	22	31	-	.14	.14	.06	.19	-	4	4	
BODY SYSTEMS-----	1	-	-	8	8	9	15	.01	.05	.06	.04	.09	.38	(*)	(*)	
MULTIPLE PARTS OF BODY	-	-	-	51	53	53	73	-	.33	.33	.13	.46	-	38	38	
UNCLASSIFIED-----	-	-	-	-	-	-	1	-	-	-	.01	.01	-	-	-	
TOTAL OR AVERAGE-----	1	-	18	646	664	665	1,154	.01	4.16	4.16	3.06	7.23	38	174	212	

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, 1989 (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
DREDGE:	-	-	-	-	1	1	1	12	13	-	.20	.20	2.39	-	(*)	(*)	
EYE-----	-	-	-	-	2	2	2	3	5	-	.40	.40	.60	-	1	1	
MOUTH/TEETH/TONGUE-----	-	-	-	-	1	1	1	1	1	-	.20	.20	.20	-	1	1	
FACE, NEC-----	-	-	-	-	2	2	2	1	3	-	.40	.40	.20	-	2	2	
HEAD, NEC-----	-	-	-	-	1	1	1	2	1	-	.20	.20	.40	-	1	1	
UPPER ARM-----	-	-	-	-	-	-	-	2	2	-	-	-	.40	-	-	-	
WRIST-----	-	-	-	-	-	-	-	4	4	-	-	-	.80	-	-	-	
HAND-----	-	-	-	-	1	1	1	11	12	-	.20	.20	2.20	-	1	1	
FINGER(S)-----	-	-	-	-	5	5	5	4	4	-	-	-	.80	-	-	-	
UPPER EXTREMITIES, NEC-----	-	-	-	-	1	1	1	5	10	-	1.00	1.00	1.00	-	45	45	
BACK-----	-	-	-	-	1	1	1	1	2	-	.20	.20	.20	-	7	7	
CHEST-----	-	-	-	-	1	1	1	1	2	-	.40	.40	.40	-	11	11	
PELVIC REGION-----	-	-	-	-	4	4	4	2	6	-	.80	.80	.40	-	30	30	
SHOULDER(S)-----	-	-	-	-	5	5	5	1	5	-	1.00	1.00	1.00	-	20	20	
KNEE-----	-	-	-	-	3	3	3	1	1	-	.60	.60	.20	-	-	-	
LOWER LEG-----	-	-	-	-	1	1	1	6	7	-	.20	.20	1.20	-	5	5	
ANKLE-----	-	-	-	-	1	1	1	1	2	-	.20	.20	.20	-	7	7	
FOOT-----	-	-	-	-	1	1	1	1	2	-	.20	.20	.40	-	(*)	(*)	
LOWER EXTREMITIES, NEC-----	-	-	-	-	30	31	31	55	86	-	.20	.20	.40	-	(*)	(*)	
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE-----	-	-	-	-	1	30	31	55	86	-	6.19	6.19	10.98	-	131	131	

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, 1989 (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 OR AVERAGE, SURFACE.				2	2	2	4	-	.01	.01	.01	.02	-	(*)	(*)
EAR-----	-	-	-	21	21	21	80	-	.13	.13	.36	.49	-	(*)	(*)
EYE-----	-	-	-	-	-	-	7	-	-	-	.04	.04	-	-	-
JAW-----	-	-	-	3	3	3	17	-	.02	.02	.08	.10	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	-	-	-	-	4	-	-	-	.02	.02	-	-	-
NOSE-----	-	-	-	-	-	-	1	-	-	-	.01	.01	-	-	-
SCALP-----	-	-	-	1	1	1	1	-	.01	.01	.03	.04	-	(*)	(*)
SKULL-----	-	-	-	1	1	1	6	-	.01	.01	.03	.04	-	(*)	(*)
FACE, NEC-----	-	-	-	11	11	11	27	-	.07	.07	.10	.16	-	1	1
HEAD, NEC-----	-	-	-	19	19	19	21	-	.12	.12	.01	.13	-	2	2
NECK-----	-	-	-	6	6	6	8	-	.04	.04	.01	.05	-	1	1
UPPER ARM-----	-	-	-	9	9	9	17	-	.05	.05	.05	.10	-	1	1
ELBOW-----	-	-	-	6	6	6	5	-	.04	.04	.03	.07	-	1	1
FOREARM-----	-	-	-	11	11	11	11	-	.07	.07	.11	.18	-	19	19
WRIST-----	-	-	-	13	14	14	29	-	.08	.08	.20	.29	-	21	21
HAND-----	-	-	-	52	60	60	138	-	.36	.36	.84	1.20	-	42	42
FINGER(S)-----	-	-	-	8	12	12	34	-	.07	.07	.13	.21	-	1	1
UPPER EXTREMITIES, NEC-----	-	-	-	6	6	6	6	-	.04	.04	.43	.64	-	42	42
ABDOMEN-----	-	-	-	199	199	199	270	-	.12	.12	.03	.17	-	1	1
BACK-----	-	-	-	15	15	15	28	-	.09	.09	.08	.17	-	4	4
CHEST-----	-	-	-	11	11	11	13	-	.12	.12	.10	.15	-	9	9
PELVIC REGION-----	-	-	-	36	36	36	52	-	.22	.22	.10	.32	-	2	2
SHOULDER(S)-----	-	-	-	10	10	10	12	-	.06	.06	.01	.07	-	(*)	(*)
TRUNK, NEC-----	-	-	-	3	3	3	9	-	.02	.02	.04	.05	-	13	13
THIGH-----	-	-	-	69	69	69	93	-	.42	.42	.15	.56	-	3	3
KNEE-----	-	-	-	9	9	9	15	-	.05	.05	.04	.09	-	4	4
LOWER LEG-----	-	-	-	38	38	38	51	-	.23	.23	.08	.31	-	4	4
ANKLE-----	-	-	-	28	28	28	37	-	.17	.17	.05	.22	-	(*)	(*)
FOOT-----	-	-	-	2	2	2	6	-	.01	.01	.02	.04	-	4	4
TOE(S)-----	-	-	-	23	23	23	33	-	.14	.14	.06	.20	-	37	37
LOWER EXTREMITIES, NEC-----	-	-	-	8	8	8	15	-	.05	.05	.04	.09	-	(*)	(*)
BODY SYSTEMS-----	-	-	-	52	54	54	76	-	.33	.33	.13	.46	-	37	37
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	1	-	-	-	.01	.01	-	-	-
UNCLASSIFIED-----	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	19	676	595	596	544	1,240	.01	4.22	4.23	3.30	7.53	36	173	209

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, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						INCIDENCE RATES					SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJ- RIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY												TOTAL NFDL
			TOTAL	PARTIAL											
TOTAL OR AVERAGE, MINING:															
EAR-----	-	-	-	2	2	9	-	7	01	03	03	-	(*)	(*)	
EYE-----	-	-	-	50	50	157	-	107	19	41	61	-	1	1	
JAW-----	-	-	-	2	2	14	-	12	01	01	05	-	(*)	(*)	
MOUTH/TEETH/TONGUE-----	-	-	-	5	5	34	-	29	02	11	13	-	(*)	(*)	
NOSE-----	-	-	-	2	2	17	-	15	01	01	06	-	(*)	(*)	
SCALP-----	-	-	-	2	2	6	-	4	01	01	02	-	(*)	(*)	
SKULL-----	-	-	-	1	1	1	-	1	(*)	-	-	-	(*)	(*)	
FACE, NEC-----	-	-	-	9	9	31	-	22	03	09	12	-	1	1	
HEAD, NEC-----	1	-	-	24	25	68	(*)	43	09	10	17	23	2	25	
NECK-----	-	-	-	30	30	44	-	14	12	05	17	-	4	4	
UPPER ARM-----	-	-	-	7	7	10	-	3	03	03	01	-	1	1	
ELBOW-----	-	-	-	27	27	57	-	30	10	10	12	-	3	3	
FOREARM-----	-	-	-	20	20	48	-	28	08	11	19	-	2	2	
WRIST-----	-	-	-	20	20	58	-	38	08	15	22	-	3	3	
HAND-----	-	-	-	31	31	101	-	70	08	15	22	-	17	17	
FINGER(S)-----	-	-	-	15	15	403	-	270	12	12	27	-	30	30	
UPPER EXTREMITIES, NEC-----	-	-	-	28	28	71	-	43	11	17	27	-	2	2	
ABDOMEN-----	-	-	-	6	6	6	-	6	02	02	02	-	1	1	
BACK-----	-	-	-	362	365	476	-	111	141	43	184	-	69	69	
CHEST-----	-	-	-	33	33	60	-	27	13	10	23	-	3	3	
PELVIC REGION-----	-	-	-	26	26	51	-	17	17	03	20	-	6	6	
SHOULDER(S)-----	-	-	-	65	66	93	-	26	26	10	36	-	14	14	
TRUNK, NEC-----	2	-	-	19	20	29	01	08	09	03	11	45	13	60	
THIGH-----	-	-	-	6	6	15	-	9	02	02	03	-	(*)	(*)	
KNEE-----	-	-	-	115	116	154	-	38	45	15	60	-	18	18	
LOWER LEG-----	-	-	-	19	20	32	-	12	08	05	12	-	6	6	
ANKLE-----	-	-	-	88	88	114	-	26	34	10	44	-	7	7	
FOOT-----	-	-	-	84	85	117	-	32	33	12	45	-	19	19	
TOE(S)-----	-	-	-	12	12	21	-	9	05	03	08	-	1	1	
LOWER EXTREMITIES, NEC-----	-	-	-	38	40	58	-	18	15	07	22	-	14	14	
BODY SYSTEMS-----	2	-	-	18	20	34	01	14	07	08	13	45	(*)	47	
MULTIPLE PARTS OF BODY-----	4	-	-	106	109	161	02	48	42	19	62	93	39	131	
UNCLASSIFIED-----	-	-	-	1	1	2	-	1	(*)	(*)	01	-	(*)	(*)	
TOTAL OR AVERAGE-----	9	50	1,372	1,422	1,431	2,552	03	1,121	5.50	4.34	9.88	209	276	485	
INDEPENDENT SHOPS:															
HEAD, NEC-----	-	-	-	-	-	1	-	1	-	26	26	-	6	6	
NECK-----	-	-	-	2	2	2	-	-	53	-	53	-	2	2	
WRIST-----	-	-	-	1	1	1	-	-	26	-	26	-	5	5	
HAND-----	-	-	-	1	1	3	-	-	79	-	79	-	5	5	
FINGER(S)-----	-	-	-	1	1	6	-	-	26	1.59	1.85	-	1	1	
UPPER EXTREMITIES, NEC-----	-	-	-	7	7	7	-	-	26	-	26	-	48	48	
BACK-----	-	-	-	1	1	1	-	-	1.85	-	1.85	-	1	1	
SHOULDER(S)-----	-	-	-	1	1	1	-	-	26	-	26	-	1	1	
THIGH-----	-	-	-	1	1	1	-	-	26	-	26	-	2	2	
KNEE-----	-	-	-	1	1	1	-	-	26	-	26	-	1	1	
MULTIPLE PARTS OF BODY-----	-	-	-	15	15	27	-	-	3.97	3.97	7.15	-	66	66	
TOTAL OR AVERAGE-----	-	-	15	15	15	27	-	12	3.97	3.18	7.15	-	66	66	

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, 1989 (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	PARTIAL													
PROCESSING PLANTS:																
EAR-----	-	-	-	1	1	1	9	10	-	(*)	(*)	.04	.05	-	(*)	(*)
EYE-----	-	-	-	37	37	37	124	161	-	.18	.18	.61	.80	-	1	1
JAW-----	-	-	-	-	-	-	7	7	-	-	-	.03	.03	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	-	1	1	1	20	21	-	(*)	(*)	.10	.10	-	(*)	(*)
NOSE-----	-	-	-	2	2	2	3	5	-	.01	.01	.02	.02	-	-	-
SCALP-----	-	-	-	7	7	7	10	17	-	.03	.03	.05	.08	-	(*)	(*)
FACE, NEC-----	-	-	-	4	4	4	23	27	-	.02	.02	.11	.13	-	(*)	(*)
HEAD, NEC-----	-	-	-	22	22	22	16	38	-	.11	.11	.08	.19	-	(*)	(*)
NECK-----	-	-	-	3	3	3	4	7	-	.01	.01	.02	.03	-	4	4
UPPER ARM-----	-	-	-	15	15	15	19	34	-	.07	.07	.09	.17	-	2	2
ELBOW-----	-	-	-	5	5	5	24	29	-	.02	.02	.12	.14	-	(*)	(*)
FOREARM-----	-	-	-	17	17	17	19	36	-	.08	.08	.09	.18	-	2	2
WRIST-----	-	-	-	21	21	21	54	75	-	.10	.10	.27	.37	-	1	1
HAND-----	-	-	-	79	88	88	238	326	-	.43	.43	1.18	1.61	-	22	22
FINGER(S)-----	-	-	9	18	18	18	17	35	-	.09	.09	.08	.17	-	2	2
UPPER EXTREMITIES, NEC-----	-	-	-	5	5	5	6	11	-	.02	.02	.03	.05	-	1	1
ABDOMEN-----	-	-	-	263	263	263	89	352	-	1.30	1.30	.44	1.74	-	38	38
BACK-----	-	-	-	18	18	18	17	35	-	.09	.09	.08	.17	-	1	1
CHEST-----	-	-	-	22	44	44	16	60	-	.22	.22	.08	.20	-	9	9
PELVIC REGION-----	-	-	22	43	43	43	30	73	-	.21	.21	.15	.36	-	6	6
SHOULDER(S)-----	-	-	-	16	16	16	2	18	-	.08	.08	.01	.09	-	2	2
TRUNK, NEC-----	-	-	-	6	6	6	12	18	-	.03	.03	.06	.09	-	1	1
THIGH-----	-	-	-	73	73	73	35	108	-	.36	.36	.17	.53	-	15	15
KNEE-----	-	-	-	11	12	12	8	20	-	.06	.06	.04	.10	-	17	17
LOWER LEG-----	-	-	1	40	40	40	18	58	-	.20	.20	.09	.29	-	4	4
ANKLE-----	-	-	-	37	37	37	13	50	-	.18	.18	.06	.25	-	5	5
FOOT-----	-	-	-	12	12	12	4	16	-	.06	.06	.02	.08	-	2	2
TOE(S)-----	-	-	-	20	20	20	18	38	-	.10	.10	.09	.19	-	2	2
LOWER EXTREMITIES, NEC-----	-	-	-	6	6	6	8	16	-	.03	.03	.04	.08	-	(*)	59
BODY SYSTEMS-----	2	-	-	56	56	56	35	91	-	.28	.28	.17	.45	-	10	10
MULTIPLE PARTS OF BODY-----	-	-	-	32	860	892	903	1,797	.01	4.41	4.42	4.46	8.88	59	148	207
TOTAL OR AVERAGE-----	2	-	-	-	-	894	894	903	1,797	0.1	4.41	4.42	8.88	59	148	207

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, 1989 (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 INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPORARY												
			TOTAL	PARTIAL											
TOTAL OR AVERAGE ALL MINES AND PLANTS:	-	-	3	-	3	16	19	-	.01	.01	.03	.04	-	(*)	(*)
EAR-----	-	-	87	-	87	231	318	-	.19	.19	.50	.68	-	(*)	(*)
EYE-----	-	-	2	-	2	19	21	-	(*)	(*)	.04	.05	-	(*)	(*)
JAW-----	-	-	6	-	6	49	55	-	.01	.01	.11	.12	-	(*)	(*)
MOUTH/TEETH/TONGUE-----	-	-	2	-	2	20	22	-	(*)	(*)	.04	.05	-	(*)	(*)
NOSE-----	-	-	4	-	4	7	11	-	.01	.01	.02	.02	-	(*)	(*)
SCALP-----	-	-	1	-	1	-	1	-	(*)	(*)	-	(*)	-	(*)	(*)
SKULL-----	-	-	16	-	16	32	48	-	.03	.03	.07	.10	-	(*)	(*)
FACE, NEC-----	-	-	28	-	28	67	95	(*)	.06	.06	.14	.21	13	1	14
HEAD, NEC-----	1	-	53	-	54	30	84	-	.12	.12	.06	.18	4	4	4
NECK-----	-	1	10	-	10	7	17	-	.02	.02	.02	.04	-	1	1
UPPER ARM-----	-	-	42	-	42	49	91	-	.09	.09	.11	.20	-	2	2
ELBOW-----	-	-	25	-	25	52	77	-	.05	.05	.11	.17	-	1	1
FOREARM-----	-	-	38	-	38	57	95	-	.08	.08	.12	.20	-	3	3
WRIST-----	-	-	49	-	49	127	179	-	.11	.11	.27	.39	-	10	10
HAND-----	-	3	198	-	222	514	736	-	.48	.48	1.11	1.58	-	26	26
FINGER(S)-----	-	24	47	-	47	60	107	-	.10	.10	.13	.23	-	2	2
UPPER EXTREMITIES, NEC-----	-	-	11	-	11	6	17	-	.02	.02	.01	.04	-	1	1
ABDOMEN-----	-	-	632	-	635	200	835	-	1.37	1.37	.43	1.80	-	55	55
BACK-----	-	3	51	-	51	44	95	-	.11	.11	.09	.20	-	2	2
CHEST-----	-	-	48	-	48	23	111	-	.19	.19	.05	.24	-	7	7
PELVIC REGION-----	-	40	109	-	110	57	167	-	.24	.24	.12	.36	-	10	10
SHOULDER(S)-----	-	1	35	-	36	9	47	(*)	.08	.08	.02	.10	26	8	34
TRUNK, NEC-----	2	-	12	-	12	22	34	-	.03	.03	.05	.07	-	(*)	(*)
THIGH-----	-	-	189	-	190	73	263	-	.41	.41	.16	.57	-	17	17
KNEE-----	-	-	30	-	32	20	52	-	.07	.07	.04	.11	-	11	11
LOWER LEG-----	-	2	128	-	128	44	172	-	.26	.26	.09	.37	-	5	5
ANKLE-----	-	-	121	-	122	45	167	-	.26	.26	.10	.36	-	13	13
FOOT-----	-	1	24	-	24	13	37	-	.05	.05	.03	.08	-	1	1
TOE(S)-----	-	-	58	-	60	36	96	-	.13	.13	.08	.21	-	8	8
LOWER EXTREMITIES, NEC-----	-	2	24	-	24	22	50	.01	.05	.06	.05	.11	52	(*)	52
BODY SYSTEMS-----	4	-	163	-	166	84	254	.01	.36	.37	.18	.55	52	26	77
MULTIPLE PARTS OF BODY-----	4	3	1	-	1	1	2	-	(*)	(*)	(*)	(*)	-	(*)	(*)
UNCLASSIFIED-----	-	-	82	-	82	2,340	4,376	.02	5.01	5.04	4.38	9.42	142	218	360
TOTAL OR AVERAGE-----	11	-	2,247	-	2,329	2,036	4,376	.02	5.01	5.04	4.38	9.42	142	218	360
OFFICE:															
EYE-----	-	-	1	-	1	2	2	-	.02	.02	.03	.03	-	(*)	(*)
HEAD, NEC-----	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-
WRIST-----	-	-	1	-	1	1	1	-	.02	.02	.02	.02	-	(*)	(*)
HAND-----	-	-	1	-	1	-	5	-	.02	.02	.09	.09	-	(*)	(*)
FINGER(S)-----	-	-	1	-	1	-	8	-	.02	.02	.12	.14	-	(*)	(*)
UPPER EXTREMITIES, NEC-----	-	-	7	-	7	1	1	-	.12	.12	.02	.02	-	2	2
BACK-----	-	-	1	-	1	-	1	-	.02	.02	.02	.02	-	(*)	(*)
BODY SYSTEMS-----	-	-	11	-	11	10	21	-	.19	.19	.17	.36	-	2	2
MULTIPLE PARTS OF BODY-----	-	-	11	-	11	10	21	-	.19	.19	.17	.36	-	2	2
TOTAL OR AVERAGE-----	-	-	11	-	11	10	21	-	.19	.19	.17	.36	-	2	2

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, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					INCIDENCE RATES					SEVERITY MEASURES				
	FATAL	MFDL			TOTAL FATAL AND MFDL	NDL	TOTAL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL	NDL	ALL INJURIES	FATAL	MFDL	ALL FATAL AND MFDL
		PERMANENT	TEMPORARY	TOTAL											
GRAND TOTAL OR AVERAGE:	-	-	-	-	3	3	16	19	-	.01	.03	.04	-	(*)	(*)
EAR:	-	-	3	3	87	37	233	320	-	.17	.45	.61	-	(*)	(*)
EYE:	-	-	87	87	2	19	49	21	-	(*)	.04	.04	-	(*)	(*)
JAW:	-	-	2	2	6	6	55	55	-	.01	.09	.11	-	(*)	(*)
MOUTH/TEETH/TONGUE:	-	-	6	6	2	2	20	22	-	(*)	.04	.04	-	(*)	(*)
NOSE:	-	-	2	2	4	4	7	11	-	.01	.01	.02	-	(*)	(*)
SCALP:	-	-	4	4	1	1	32	48	-	(*)	.06	.09	-	(*)	(*)
SKULL:	-	-	1	1	16	16	32	48	-	.03	.06	.13	11	(*)	13
FACE, NEC:	-	-	16	16	29	29	67	97	(*)	.06	.13	.19	-	4	4
HEAD, NEC:	1	-	53	54	54	54	30	84	-	.10	.10	.16	-	1	1
NECK:	-	1	10	10	10	7	17	17	-	.02	.02	.03	-	2	2
UPPER ARM:	-	-	10	10	42	49	91	91	-	.08	.08	.17	-	1	1
ELBOW:	-	-	42	42	25	52	77	77	-	.05	.10	.15	-	2	2
FOREARM:	-	-	25	25	38	58	96	96	-	.07	.11	.18	-	2	2
Wrist:	-	-	38	38	53	53	127	180	-	.10	.24	.34	-	9	9
HAND:	-	3	50	53	222	222	519	741	-	.42	.99	1.42	-	23	23
FINGER(S):	-	24	198	222	48	48	66	108	-	.09	.11	.21	-	2	2
UPPER EXTREMITIES, NEC:	-	-	48	48	11	11	6	17	-	.02	.03	.05	-	1	1
ABDOMEN:	-	-	11	11	642	642	201	843	-	1.23	1.23	1.61	-	49	49
BACK:	-	3	539	542	51	51	44	95	-	.10	.10	.18	-	2	2
CHEST:	-	-	51	51	88	88	23	111	-	.17	.17	.21	-	6	6
PELVIC REGION:	-	40	48	88	110	110	57	167	-	.21	.11	.32	-	9	9
SHOULDER(S):	-	1	109	110	38	38	9	47	(*)	.07	.02	.09	23	(*)	(*)
TRUNK, NEC:	2	1	35	36	12	12	22	34	-	.02	.04	.06	-	8	8
THIGH:	-	-	12	12	190	190	73	263	-	.36	.36	.50	-	15	15
KNEE:	-	1	189	190	32	32	20	52	-	.06	.06	.10	-	9	9
LOWER LEG:	-	2	30	32	128	128	44	172	-	.24	.24	.33	-	5	5
ANKLE:	-	-	128	128	122	122	45	167	-	.23	.23	.32	-	11	11
FOOT:	-	1	121	122	24	24	13	37	-	.05	.05	.07	-	1	1
TOE(S):	-	-	24	24	50	50	36	96	-	.11	.11	.18	-	7	7
LOWER EXTREMITIES, NEC:	-	2	58	58	28	28	23	51	-	.05	.05	.04	46	(*)	46
BODY SYSTEMS:	4	-	24	24	167	167	84	255	01	.32	.33	.49	45	23	69
MULTIPLE PARTS OF BODY:	4	3	164	167	1	1	1	2	01	(*)	(*)	(*)	-	(*)	(*)
UNCLASSIFIED:	-	-	1	1	1	1	1	2	-	(*)	(*)	(*)	-	(*)	(*)
TOTAL OR AVERAGE:	11	-	82	2,258	2,340	2,351	2,046	4,397	02	4.47	4.49	3.91	125	194	320

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, 1989

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	PARTIAL	TOTAL NFDL					
UNDERGROUND MINES:															
UNDERGROUND:															
EAR	-	-	25	25	25	4	-	-	-	201	201	-	8	16	2
EYE	-	-	2	2	2	35	-	-	-	31	31	-	16	2	2
JAW	-	-	2	2	2	13	-	-	-	4	4	-	2	4	4
MOUTH/TEETH/TONGUE	-	-	2	2	2	10	-	-	-	7	7	-	4	4	4
NOSE	-	-	2	2	2	3	-	-	-	113	113	-	19	19	19
SCALP	-	-	2	2	2	14	-	-	-	354	354	-	30	30	30
FACE, NEC	-	-	12	12	13	27	5,000	-	-	736	736	600	14	14	14
HEAD, NEC	-	-	10	10	11	11	-	-	-	3	3	-	3	3	3
NECK	1	1	1	1	1	1	-	-	-	539	539	-	36	36	36
UPPER ARM	-	-	15	15	15	18	-	-	-	453	453	-	35	35	35
ELBOW	-	-	13	13	13	23	-	-	-	489	489	-	54	54	54
FOREARM	-	-	9	9	9	18	-	-	-	1,209	1,209	450	81	81	81
WRIST	-	2	13	15	15	33	-	900	-	4,031	4,031	321	24	24	24
HAND	-	7	54	61	61	175	-	2,250	-	334	334	1,800	24	24	24
FINGER(S)	-	-	14	14	14	34	-	5,400	-	10,211	10,211	-	73	73	73
UPPER EXTREMITIES, NEC	-	-	137	140	140	166	-	-	-	459	459	-	27	27	27
BACK	-	-	17	17	17	30	-	-	-	784	784	50	32	32	32
CHEST	-	-	20	20	20	22	-	-	-	1,848	1,848	900	66	66	66
PELVIC REGION	-	-	27	27	27	38	-	-	-	3,000	3,000	-	10	10	10
SHOULDER(S)	-	-	8	8	8	5	12,000	-	-	30	30	-	10	10	10
TRUNK, NEC	2	-	1	1	1	2	-	-	-	1,527	1,527	900	41	41	41
THIGH	-	-	3	3	3	5	-	-	-	2,477	2,477	900	20	20	20
KNEE	-	-	37	38	38	13	-	-	-	1,084	1,084	600	15	15	15
LOWER LEG	-	-	10	11	11	4	-	-	-	1,104	1,104	-	15	15	15
ANKLE	-	-	43	43	43	12	-	-	-	1,058	1,058	-	183	183	183
FOOT	-	-	53	53	53	21	-	-	-	135	135	-	504	504	504
TOE(S)	-	-	9	9	9	5	-	-	-	2,739	2,739	1,050	49	49	49
LOWER EXTREMITIES, NEC	-	2	13	15	15	22	-	2,100	-	639	6,041	-	5	5	5
BOOT SYSTEMS	-	-	9	9	9	16	5,000	-	-	41	41	-	34	34	34
BODY SYSTEMS	-	-	9	9	9	6	-	-	-	1,578	1,578	1,800	30	30	30
MULTIPLE PARTS OF BODY	1	1	49	50	54	78	24,000	-	-	30	30	-	30	30	30
UNCLASSIFIED	-	-	1	1	1	1	-	-	-	18,267	37,117	-	132	132	132
TOTAL OR AVERAGE	8	28	606	635	644	1,142	48,000	18,850	18,267	37,117	85,117	573	30	30	30

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, 1989 (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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
SURFACE AT UNDERGROUND:																
EAR	-	-	4	-	4	1	17	-	-	-	10	-	2	-	2	-
EYE	-	-	-	-	-	13	1	-	-	-	-	-	-	-	-	-
ARM	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
FOOT/TOE/TONGUE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
NOSE	-	-	2	-	2	3	5	-	-	-	36	-	18	-	33	-
FACE, NEC	-	-	1	-	1	-	1	-	-	-	33	-	33	-	33	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK	-	-	3	-	3	4	7	-	-	-	73	-	24	-	32	-
ELBOW	-	-	1	-	1	-	1	-	-	-	32	-	-	-	-	-
FOREARM	-	-	2	-	2	2	6	-	-	-	-	-	-	-	-	-
WRIST	-	-	12	-	12	18	30	-	-	-	25	-	12	-	14	-
HAND	-	-	2	-	2	1	3	-	-	-	174	-	14	-	16	-
FINGER(S)	-	-	26	-	26	14	40	-	-	-	33	-	16	-	26	-
UPPER EXTREMITIES, NEC	-	-	1	-	1	-	1	-	-	-	672	-	245	-	245	-
BACK	-	-	3	-	3	-	3	-	-	-	245	-	20	-	26	-
CHEST	-	-	2	-	2	-	2	-	-	-	160	-	56	-	56	-
PELVIC REGION	-	-	1	-	1	-	1	-	-	-	1	-	1	-	1	-
SHOULDER(S)	-	-	9	-	9	-	10	-	-	-	175	-	19	-	19	-
TRUNK, NEC	-	-	7	-	7	-	8	-	-	-	-	-	-	-	-	-
THIGH	-	-	4	-	4	-	6	-	-	-	91	-	13	-	13	-
KNEE	-	-	1	-	1	-	1	-	-	-	3,125	-	3,000	-	3,000	-
LOWER LEG	-	-	3	-	3	-	3	-	-	-	39	-	39	-	39	-
ANKLE	-	-	1	-	1	-	1	-	-	-	6	-	6	-	6	-
FOOT	-	-	2	-	2	-	2	-	-	-	379	-	379	-	379	-
TOE(S)	-	-	5	-	5	-	7	-	-	-	5,638	-	1,033	-	5,638	-
LOWER EXTREMITIES, NEC	-	-	88	-	88	79	170	-	-	-	2,538	-	1,033	-	29	-
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFIL			TOTAL FATAL AND NFIL	NOL	TOTAL INJURIES	FATAL	NFIL			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL		
		PERMANENT	TEMPORARY	TOTAL NFIL					TOTAL	PARTIAL	TOTAL NFIL					
TOTAL OR AVERAGE, LG:																
EAR	-	-	29	29	29	5	5	-	-	-	-	-	-	7	16	2
EYE	-	-	2	2	2	48	52	-	-	-	-	-	-	2	2	2
JAW	-	-	2	2	2	15	17	-	-	-	-	-	-	4	4	4
MOUTH/TEETH/TONGUE	-	-	2	2	2	11	13	-	-	-	-	-	-	7	7	7
NOSE	-	-	2	2	2	3	5	-	-	-	-	-	-	149	149	149
SKIN	-	-	8	8	8	17	25	-	-	-	-	-	-	387	387	387
FACE, NEC	-	-	13	13	13	27	41	-	-	-	-	-	-	600	600	600
HEAD, NEC	-	-	10	10	10	12	23	-	-	-	-	-	-	612	612	612
NECK	-	-	1	1	1	1	2	-	-	-	-	-	-	3	3	3
UPPER ARM	-	-	18	18	18	22	40	-	-	-	-	-	-	612	612	612
ELBOW	-	-	14	14	14	23	37	-	-	-	-	-	-	485	485	485
FOREARM	-	-	9	9	9	20	29	-	-	-	-	-	-	489	489	489
WRIST	-	-	15	15	15	37	54	-	-	-	-	-	-	1,234	1,234	1,234
HAND	-	-	66	66	66	132	205	-	-	-	-	-	-	4,205	4,205	4,205
FINGER(S)	-	-	16	16	16	21	37	-	-	-	-	-	-	367	367	367
UPPER EXTREMITIES, NEC	-	-	163	166	166	266	532	-	-	-	-	-	-	10,883	10,883	10,883
BACK	-	-	18	18	18	14	28	-	-	-	-	-	-	704	704	704
CHEST	-	-	15	15	15	2	17	-	-	-	-	-	-	944	944	944
PELVIC REGION	-	-	25	25	25	2	27	-	-	-	-	-	-	2,040	2,040	2,040
SHOULDER(S)	-	-	30	30	30	11	41	-	-	-	-	-	-	3,182	3,182	3,182
TRUNK, NEC	-	-	9	9	9	5	14	-	-	-	-	-	-	30	30	30
THIGH	-	-	3	3	3	3	6	-	-	-	-	-	-	900	900	900
KNEE	-	-	46	46	46	14	61	-	-	-	-	-	-	2,602	2,602	2,602
LOWER LEG	-	-	10	10	10	11	17	-	-	-	-	-	-	1,084	1,084	1,084
ANKLE	-	-	50	50	50	13	63	-	-	-	-	-	-	1,195	1,195	1,195
FOOT	-	-	56	56	56	23	80	-	-	-	-	-	-	4,183	4,183	4,183
TOE(S)	-	-	10	10	10	5	15	-	-	-	-	-	-	174	174	174
LOWER EXTREMITIES, NEC	-	-	15	15	15	8	23	-	-	-	-	-	-	776	776	776
BODY SYSTEMS	-	-	10	10	10	8	15	-	-	-	-	-	-	2,876	2,876	2,876
MULTIPLE PARTS OF BODY	-	-	1	1	1	11	19	-	-	-	-	-	-	47	47	47
UNCLASSIFIED	-	-	54	54	54	26	85	-	-	-	-	-	-	3,857	3,857	3,857
TOTAL OR AVERAGE	8	31	696	727	735	577	1,312	48,000	21,950	20,805	708	90,755	30	123		

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, 1969 (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				TOTAL	PARTIAL	TOTAL					
SURFACE MINES:															
OPEN PIT:															
EAR	-	-	2	2	2	4	-	-	-	-	-	-	11	50	6
EYE	-	-	20	20	20	67	-	-	-	-	-	-	50	7	2
ARM	-	-	1	1	1	12	-	-	-	-	-	-	7	-	7
FOOT/TOE/TONGUE	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SCALP	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SKULL	-	-	1	1	1	5	-	-	-	-	-	-	40	-	40
FACE, NEC	-	-	9	9	9	24	-	-	-	-	-	-	138	-	15
HEAD, NEC	-	-	19	19	19	21	-	-	-	-	-	-	353	-	19
NECK	-	-	5	5	5	7	-	-	-	-	-	-	127	-	25
UPPER ARM	-	-	5	5	5	17	-	-	-	-	-	-	113	-	13
ELBOW	-	-	6	6	6	11	-	-	-	-	-	-	148	-	25
FOREARM	-	-	11	11	11	27	-	-	-	-	-	-	242	-	22
WRIST	-	-	13	13	13	43	-	-	-	-	-	-	240	-	19
HAND	-	-	51	51	51	185	-	-	-	-	-	-	3,099	-	221
FINGER(S)	-	-	12	12	12	30	-	-	-	-	-	-	3,478	-	17
UPPER EXTREMITIES, NEC	-	-	5	5	5	6	-	-	-	-	-	-	2,850	-	15
ABDOMEN	-	-	6	6	6	18	-	-	-	-	-	-	2,720	-	17
BACK	-	-	194	194	194	260	-	-	-	-	-	-	206	-	28
CHEST	-	-	14	14	14	26	-	-	-	-	-	-	171	-	34
PELVIC REGION	-	-	10	10	10	14	-	-	-	-	-	-	6,613	-	10
SHOULDER(S)	-	-	32	32	32	46	-	-	-	-	-	-	145	-	23
TRUNK, NEC	-	-	10	10	10	12	-	-	-	-	-	-	582	-	41
THIGH	-	-	3	3	3	9	-	-	-	-	-	-	1,303	-	27
KNEE	-	-	64	64	64	88	-	-	-	-	-	-	272	-	9
LOWER LEG	-	-	9	9	9	24	-	-	-	-	-	-	28	-	32
ANKLE	-	-	35	35	35	48	-	-	-	-	-	-	2,069	-	55
FOOT	-	-	27	27	27	13	-	-	-	-	-	-	493	-	17
TOE(S)	-	-	2	2	2	6	-	-	-	-	-	-	611	-	24
LOWER EXTREMITIES, NEC	-	-	22	22	22	31	-	-	-	-	-	-	647	-	19
BODY SYSTEMS	-	-	8	8	8	15	-	-	-	-	-	-	38	-	30
MULTIPLE PARTS OF BODY	-	-	51	51	51	73	-	-	-	-	-	-	666	-	8
UNCLASSIFIED	-	-	-	-	-	1	-	-	-	-	-	-	62	-	37
TOTAL OR AVERAGE	1	18	646	664	665	1,154	6,000	10,120	17,684	27,804	562	27	33,804	-	51

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, 1969 (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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
			TOTAL	TEMPO- RARY	TOTAL NFDL				TOTAL	PERMANENT	PARTIAL						
TOTAL OR AVERAGE, SURFACE-----	1																
EAR-----	-	-	2	2	2	4	2	-	-	-	11	-	6	-	11	-	6
EYE-----	-	-	21	21	21	80	59	-	-	-	51	-	2	-	51	-	2
JAW-----	-	-	-	-	-	7	7	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE-----	-	-	3	3	3	17	14	-	-	-	10	-	3	-	10	-	3
NOSE-----	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-	-
SCALP-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
SKULL-----	-	-	1	1	1	6	5	-	-	-	40	-	40	-	40	-	40
FACE, NEC-----	-	-	11	11	11	27	21	-	-	-	146	-	5	-	146	-	5
HEAD, NEC-----	-	-	19	19	19	27	21	-	-	-	353	-	13	-	353	-	13
NECK-----	-	-	6	6	6	8	8	-	-	-	132	-	22	-	132	-	22
UPPER ARM-----	-	-	5	5	5	11	11	-	-	-	113	-	13	-	113	-	13
ELBOW-----	-	-	11	11	11	18	18	-	-	-	148	-	25	-	148	-	25
FOREARM-----	-	-	13	13	13	29	29	-	-	-	242	-	19	-	242	-	19
WRIST-----	-	-	52	52	52	198	188	-	-	-	3,099	-	2,850	-	3,099	-	2,850
HAND-----	-	-	12	12	12	34	34	-	-	-	763	-	340	-	3,483	-	340
FINGER(S)-----	-	-	6	6	6	6	6	-	-	-	206	-	17	-	206	-	17
UPPER EXTREMITIES, NEC-----	-	-	199	199	199	270	270	-	-	-	171	-	-	-	171	-	-
ABDOMEN-----	-	-	15	15	15	28	28	-	-	-	6,840	-	-	-	6,840	-	-
BACK-----	-	-	11	11	11	5	5	-	-	-	182	-	-	-	182	-	-
CHEST-----	-	-	36	36	36	52	52	-	-	-	635	-	50	-	635	-	50
PELVIC REGION-----	-	-	10	10	10	12	12	-	-	-	1,451	-	-	-	1,451	-	-
SHOULDER(S)-----	-	-	3	3	3	9	9	-	-	-	272	-	-	-	272	-	-
TRUNK, NEC-----	-	-	69	69	69	93	93	-	-	-	28	-	9	-	28	-	9
THIGH-----	-	-	9	9	9	24	24	-	-	-	2,168	-	-	-	2,168	-	-
KNEE-----	-	-	38	38	38	51	51	-	-	-	493	-	-	-	493	-	-
LOWER LEG-----	-	-	28	28	28	37	37	-	-	-	638	-	-	-	638	-	-
ANKLE-----	-	-	2	2	2	6	6	-	-	-	682	-	-	-	682	-	-
FOOT-----	-	-	23	23	23	33	33	-	-	-	38	-	-	-	38	-	-
TOE(S)-----	-	-	8	8	8	15	15	-	-	-	667	-	-	-	667	-	-
LOWER EXTREMITIES, NEC-----	-	-	52	52	52	76	76	6,000	-	-	6,062	-	-	-	6,062	-	-
BODY SYSTEMS-----	-	-	-	-	-	1	1	-	-	-	6,093	-	-	-	6,093	-	-
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE-----	1	19	676	695	695	1,240	544	6,000	10,170	-	28,459	535	27	34,459	535	27	50

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, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA-NENT PARTIAL	TEMPO-RARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPO-RARY			TOTAL	PARTIAL	TEMPO-RARY					TOTAL
TOTAL OR AVERAGE, MINING:														
EAR.....	-	-	2	2	2	-	-	-	11	11	-	6	6	
EYE.....	-	-	50	50	50	-	-	-	262	262	-	5	5	
JAW.....	-	-	2	2	2	-	-	-	31	31	-	16	16	
MOUTH/TEETH/TONGUE.....	-	-	5	5	5	-	-	-	14	14	-	3	3	
NOSE.....	-	-	2	2	2	-	-	-	4	4	-	2	2	
SCALP.....	-	-	2	2	2	-	-	-	7	7	-	4	4	
SKULL.....	-	-	1	1	1	-	-	-	40	40	-	40	40	
FACE, NEC.....	-	-	9	9	9	-	-	-	154	154	-	17	17	
HEAD, NEC.....	1	1	24	24	25	5,000	-	-	533	533	-	22	22	
NECK.....	-	-	29	29	30	-	-	-	489	489	600	600	600	
UPPER ARM.....	-	-	7	7	7	-	-	-	135	135	-	19	19	
ELBOW.....	-	-	27	27	27	-	-	-	725	725	-	27	27	
FOREARM.....	-	-	20	20	20	-	-	-	633	633	-	32	32	
WRIST.....	-	-	20	20	20	-	-	-	731	731	-	37	37	
HAND.....	-	-	28	28	31	-	-	-	4,333	4,333	-	140	140	
FINGER(S).....	-	-	118	118	133	-	-	-	2,718	2,718	331	23	23	
UPPER EXTREMITIES, NEC.....	-	-	15	15	133	-	-	-	7,686	7,686	-	30	30	
ABDOMEN.....	-	-	6	6	6	-	-	-	573	573	-	28	28	
BACK.....	-	-	362	362	365	-	-	-	17,723	17,723	1,800	34	34	
CHEST.....	-	-	33	33	33	-	-	-	886	886	-	49	49	
PELVIC REGION.....	-	-	26	26	26	-	-	-	1,579	1,579	50	26	26	
SHOULDER(S).....	-	-	65	65	66	-	-	-	3,491	3,491	-	35	35	
TRUNK, NEC.....	-	-	19	19	20	-	-	-	3,454	3,454	-	24	24	
THIGH.....	-	-	6	6	6	-	-	-	58	58	-	10	10	
KNEE.....	-	-	115	115	116	-	-	-	3,870	3,870	900	34	34	
LOWER LEG.....	-	-	88	88	88	-	-	-	1,577	1,577	600	51	51	
ANKLE.....	-	-	12	12	12	-	-	-	1,833	1,833	-	21	21	
FOOT.....	-	-	84	84	85	-	-	-	1,865	1,865	-	22	22	
TOE(S).....	-	-	38	38	40	-	-	-	212	212	-	18	18	
UPPER EXTREMITIES, NEC.....	-	-	2	2	2	-	-	-	3,543	3,543	1,050	38	38	
BODY SYSTEMS.....	2	-	18	18	20	12,000	-	-	109	109	-	6	6	
MULTIPLE PARTS OF BODY.....	4	-	1	1	1	24,000	-	-	3,950	3,950	-	37	37	
UNCLASSIFIED.....	-	-	-	-	-	-	-	-	30	30	-	30	30	
TOTAL OR AVERAGE.....	9	50	1,372	1,422	1,431	54,000	32,120	-	39,094	71,214	642	28	88	
TOTAL OR AVERAGE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	
INDEPENDENT SHOPS:														
HEAD, NEC.....	-	-	2	2	2	-	-	-	23	23	-	12	12	
NECK.....	-	-	1	1	1	-	-	-	8	8	-	8	8	
WRIST.....	-	-	1	1	1	-	-	-	20	20	-	20	20	
HAND.....	-	-	1	1	1	-	-	-	5	5	-	5	5	
FINGER(S).....	-	-	7	7	7	-	-	-	181	181	-	26	26	
UPPER EXTREMITIES, NEC.....	-	-	1	1	1	-	-	-	5	5	-	5	5	
BACK.....	-	-	1	1	1	-	-	-	6	6	-	6	6	
SHOULDER(S).....	-	-	1	1	1	-	-	-	2	2	-	2	2	
THIGH.....	-	-	1	1	1	-	-	-	250	250	-	17	17	
KNEE.....	-	-	15	15	15	-	-	-	-	-	-	-	-	
MULTIPLE PARTS OF BODY.....	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE.....	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 9. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPORARY	TOTAL NFIL				TOTAL	PARTIAL					
PROCESSING PLANTS:														
EAR	-	-	1	1	1	10	-	-	-	-	1	-	1	1
EYE	-	-	37	37	37	161	-	-	-	-	121	-	3	3
ARM	-	-	1	1	1	7	-	-	-	-	-	-	1	1
TOOTH/TEETH/TONGUE	-	-	2	2	2	5	-	-	-	-	13	-	6	6
NOSE	-	-	7	7	7	5	-	-	-	-	58	-	8	8
SCALP	-	-	4	4	4	17	-	-	-	-	33	-	8	8
FACE, NEC	-	-	22	22	22	27	-	-	-	-	860	-	39	39
HEAD, NEC	-	-	3	3	3	38	-	-	-	-	309	-	103	103
NECK	-	-	15	15	15	7	-	-	-	-	249	-	17	17
UPPER ARM	-	-	5	5	5	34	-	-	-	-	58	-	12	12
ELBOW	-	-	17	17	17	29	-	-	-	-	497	-	29	29
FOREARM	-	-	21	21	21	36	-	-	-	-	497	-	13	13
WRIST	-	-	79	79	79	75	-	-	-	-	4,355	-	14	14
HAND	-	-	18	18	18	35	-	-	-	-	4,355	-	25	25
FINGER(S)	-	-	5	5	5	11	-	-	-	-	1,090	-	29	29
UPPER EXTREMITIES, NEC	-	-	263	263	263	352	-	-	-	-	7,739	-	14	14
ABDOMEN	-	-	18	18	18	6	-	-	-	-	248	-	29	29
BACK	-	-	44	44	44	35	-	-	-	-	1,738	-	40	40
CHEST	-	-	22	22	22	60	-	-	-	-	1,312	-	31	31
PELVIC REGION	-	-	43	43	43	73	-	-	-	-	485	-	21	21
SHOULDER(S)	-	-	16	16	16	18	-	-	-	-	139	-	42	42
TRUNK, NEC	-	-	6	6	6	35	-	-	-	-	3,052	-	31	31
THIGH	-	-	73	73	73	108	-	-	-	-	3,343	-	28	28
KNEE	-	-	11	11	11	18	-	-	-	-	709	-	32	32
LOWER LEG	-	-	40	40	40	50	-	-	-	-	1,054	-	18	18
ANKLE	-	-	37	37	37	16	-	-	-	-	380	-	28	28
FOOT	-	-	12	12	12	8	-	-	-	-	377	-	32	32
TOE(S)	-	-	20	20	20	38	-	-	-	-	12,013	-	19	19
LOWER EXTREMITIES, NEC	-	-	860	860	860	91	-	-	-	-	1,953	-	2	2
BOOT SYSTEMS	2	-	-	-	-	35	-	-	-	-	1,953	-	35	35
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	32	860	892	894	1,797	12,000	7,365	22,594	41,949	230	26	47	

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, 1969 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS				AVERAGE SEVERITY				
	FATAL	NFIL			TOTAL FATAL AND NFIL			NFIL	FATAL	PERMANENT		TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL	
		TOTAL	PARTIAL	TOTAL						TEMPORARY	TOTAL					PARTIAL
TOTAL OR AVERAGE ALL MINES AND PLANTS:																
EAR	-	-	3	87	3	19	-	-	-	12	-	-	12	-	4	4
EYE	-	-	87	231	87	318	-	-	-	383	-	-	383	-	4	16
JAW	-	-	2	19	2	21	-	-	-	31	-	-	31	-	16	2
MOUTH/TEETH/TONGUE	-	-	6	49	6	55	-	-	-	15	-	-	15	-	2	2
NOSE	-	-	2	20	2	22	-	-	-	4	-	-	4	-	5	5
SCALP	-	-	4	7	4	11	-	-	-	20	-	-	20	-	40	40
SKULL	-	-	1	1	1	1	-	-	-	40	-	-	40	-	13	13
FACE, NEC	-	-	16	32	16	48	-	-	-	212	-	-	212	-	20	20
HEAD, NEC	1	-	28	67	28	96	6,000	-	-	566	-	-	566	-	226	226
NECK	-	1	53	30	54	84	-	-	600	1,372	600	600	1,972	600	37	37
UPPER ARM	-	-	10	7	10	17	-	-	-	444	-	-	444	-	44	44
ELBOW	-	-	42	91	42	177	-	-	-	974	-	-	974	-	23	23
FOREARM	-	-	25	49	25	77	-	-	-	691	-	-	691	-	28	28
WRIST	-	-	38	57	38	95	-	-	-	1,236	-	-	1,236	-	33	33
HAND	-	3	127	179	127	355	-	-	3,750	4,616	1,250	1,250	4,616	1,250	18	18
FINGER(S)	-	24	222	736	222	1,014	-	-	8,235	12,063	3,433	3,433	12,063	3,433	19	19
UPPER EXTREMITIES, NEC	-	-	47	107	47	177	-	-	-	294	-	-	294	-	27	27
ABDOMEN	-	-	11	17	11	24	-	-	-	1,134	-	-	1,134	-	32	32
BACK	-	3	635	835	635	1,800	-	-	5,400	25,643	1,800	1,800	25,643	1,800	40	40
CHEST	-	-	51	95	51	111	-	-	-	1,334	-	-	1,334	-	22	22
PELVIC REGION	-	40	88	167	88	222	-	-	2,000	3,317	50	50	3,317	50	38	38
SHOULDER(S)	-	-	110	167	110	257	-	-	900	4,808	900	900	4,808	900	44	44
TRUNK, NEC	2	1	35	47	35	99	12,000	-	3,000	3,949	3,000	3,000	15,949	3,000	27	27
THIGH	-	-	12	34	12	63	-	-	-	197	-	-	197	-	16	16
KNEE	-	-	189	263	189	432	-	-	900	7,828	900	900	7,828	900	41	41
LOWER LEG	-	2	30	73	30	104	-	-	3,600	4,920	1,800	1,800	4,920	1,800	154	154
ANKLE	-	-	128	172	128	322	-	-	-	2,542	-	-	2,542	-	20	20
FOOT	-	1	121	167	122	317	-	-	3,000	5,919	3,000	3,000	5,919	3,000	24	24
TOE(S)	-	-	24	37	24	61	-	-	-	542	-	-	542	-	25	25
LOWER EXTREMITIES, NEC	-	2	58	96	60	154	-	-	2,100	3,920	1,050	1,050	3,920	1,050	31	31
BODY SYSTEMS	4	-	24	50	24	98	24,000	-	-	122	24,122	-	24,122	-	5	5
MULTIPLE PARTS OF BODY	4	-	163	254	170	584	24,000	-	6,000	5,905	35,905	2,000	35,905	2,000	36	36
UNCLASSIFIED	-	-	1	2	1	3	-	-	-	30	-	-	30	-	30	30
TOTAL OR AVERAGE	11	-	2,247	2,329	2,340	4,376	66,000	-	39,485	61,928	167,413	482	167,413	482	28	28
OFFICE:																
EYE	-	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	1	1	1	1	-	-	-	5	-	-	5	-	5	5
ARTIST	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-
HAND	-	-	1	5	-	5	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	7	8	7	15	-	-	-	122	-	-	122	-	17	17
BACK	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	1	1	1	1	-	-	-	7	-	-	7	-	7	7
MULTIPLE PARTS OF BODY	-	-	11	10	11	21	-	-	-	136	-	-	136	-	12	12
TOTAL OR AVERAGE	-	-	11	11	11	21	-	-	-	136	-	-	136	-	12	12

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, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		TOTAL	PERMANENT	TEMPO- RARY					TOTAL	PERMANENT	TEMPO- RARY					TOTAL
GRAND TOTAL OR AVERAGE:																
EAR																
EYE																
JAW																
MOUTH/TEETH/TONGUE																
NOSE																
SCALP																
SKULL																
FACE NEC																
HEAD NEC																
NECK																
UPPER ARM																
ELBOW																
FOREARM																
WRIST																
HAND																
FINGER(S)																
UPPER EXTREMITIES, NEC																
ABDOMEN																
BACK																
CHEST																
PELVIC REGION																
SHOULDER(S)																
TRUNK, NEC																
THIGH																
KNEE																
LOWER LEG																
ANKLE																
FOOT																
TOE(S)																
LOWER EXTREMITIES, NEC																
BODY SYSTEMS																
MULTIPLE PARTS OF BODY																
UNCLASSIFIED																
TOTAL OR AVERAGE																

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, 1989

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	TEMPORARY		TOTAL NFDL											
			TOTAL	PARTIAL												
UNDERGROUND MINES:																
AMPUTATION/ENUCLEATION----	-	5	-	5	5	5	-	5	-	.07	.07	-	.07	-	19	19
ASPHYXIATION/DROWNING----	1	-	4	4	5	5	-	5	.01	.05	.07	.01	.08	81	(*)	(*)
BURN/SCALD (NOT CHEM.)----	-	-	1	1	1	1	6	7	-	.01	.01	.08	.09	-	(*)	(*)
CHEMICAL BURN-----	-	-	3	3	3	3	2	2	-	.04	.04	.03	.07	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	3	3	3	3	1	4	-	.04	.04	.01	.05	-	(*)	(*)
CONCUSSION OR BRUISE----	2	1	95	96	98	98	56	154	.03	1.29	1.32	.75	2.07	161	37	159
CUT OR PUNCTURE-----	-	-	70	70	70	70	251	321	.94	.94	.94	3.38	4.32	-	15	15
DERMATITIS-----	-	-	1	1	1	1	1	1	-	.01	.01	-	.01	-	(*)	(*)
DISLOCATION-----	-	1	6	7	7	7	4	11	-	.09	.09	.05	.15	-	19	19
DUST IN EYE-----	-	-	6	6	6	6	11	17	-	.08	.08	.15	.23	-	(*)	(*)
ELECT. BURN (CONTACT)----	-	-	1	1	1	1	1	1	-	.01	.01	-	.01	-	146	146
FRACTURE-----	-	7	88	95	95	95	44	139	-	1.28	1.28	.59	1.87	-	6	6
HERNIA (NOT DISC)-----	-	-	8	9	9	9	5	9	-	.12	.12	-	.12	-	(*)	(*)
POISONING (SYSTEMIC)-----	-	-	5	5	5	5	5	10	.07	.07	.07	.13	.13	-	1	1
SCRATCH/ABRASION-----	-	-	10	10	10	10	5	15	-	.13	.13	.07	.20	-	161	161
STRAIN/SPRAIN-----	-	3	216	219	219	219	66	285	-	2.95	2.95	.89	3.83	-	76	399
MULTIPLE INJURIES-----	4	2	76	78	82	82	33	115	.05	1.05	1.10	.44	1.55	323	8	89
OTHER INJURY, NEC-----	1	-	6	7	8	8	1	9	.01	.09	.11	.01	.12	81	8	8
UNCLASSIFIED (NO DATA)----	-	-	16	16	16	16	12	28	-	.22	.22	.16	.38	-	499	1,145
TOTAL OR AVERAGE-----	8	28	508	536	544	544	498	1,142	.11	8.56	8.66	6.70	15.36	546	499	1,145
SURFACE AT UNDERGROUND:																
BURN/SCALD (NOT CHEM.)----	-	-	2	2	2	2	2	4	-	.10	.10	.10	.21	-	6	6
CHEMICAL BURN-----	-	-	1	1	1	1	1	2	-	.05	.05	.05	.05	-	(*)	(*)
CONCUSSION (CEREBRAL)----	-	-	1	1	1	1	1	1	-	.05	.05	-	.05	-	2	2
CONCUSSION OR BRUISE----	-	1	9	10	10	10	11	21	-	.52	.52	.57	1.09	-	163	163
CUT OR PUNCTURE-----	-	-	12	12	12	12	25	37	-	.62	.62	.16	1.91	-	7	7
DUST IN EYE-----	-	-	-	-	-	-	3	3	-	-	-	.16	.16	-	-	-
FRACTURE-----	-	-	11	11	11	11	4	15	-	.57	.57	.21	.78	-	34	34
HERNIA (NOT DISC)-----	-	2	1	3	3	3	-	3	-	.16	.16	.16	.16	-	6	6
POISONING (SYSTEMIC)-----	-	-	1	1	1	1	2	3	-	.05	.05	.10	.16	-	(*)	(*)
RADIATION/ULTRA VIOLET-----	-	-	1	1	1	1	4	5	-	.05	.05	.21	.26	-	(*)	(*)
SCRATCH/ABRASION-----	-	-	-	-	-	-	-	-	-	-	-	.05	.05	-	-	-
STRAIN/SPRAIN-----	-	-	39	39	39	39	16	55	-	2.02	2.02	.83	2.84	-	54	54
MULTIPLE INJURIES-----	-	-	7	7	7	7	6	13	-	.36	.36	.31	.67	-	17	17
OTHER INJURY, NEC-----	-	-	1	1	1	1	2	3	-	.05	.05	.10	.16	-	(*)	(*)
UNCLASSIFIED (NO DATA)----	-	-	2	2	2	2	2	4	-	.10	.10	.10	.21	-	2	2
TOTAL OR AVERAGE-----	-	3	88	91	91	91	79	170	-	4.70	4.70	4.08	8.79	-	291	291

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, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT	PARTIAL	TOTAL												
-	-	5	-	5	5	5	-	01	05	05	-	05	-	15	15	
TOTAL OR AVERAGE, UG:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/ENUCLEATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/DROWNING	1	-	4	-	5	5	8	-	04	05	01	05	64	15	64	64
BURN/SCALD (NOT CHEM.)	-	-	3	-	3	3	3	-	03	03	03	12	-	(*)	(*)	(*)
CHEMICAL BURN	-	-	4	-	4	4	4	-	04	04	03	07	-	(*)	(*)	(*)
CONCUSSION (CEREBRAL)	-	-	4	-	4	4	1	-	04	04	01	05	-	63	191	191
CONTUSION OR BRUISE	2	2	104	-	106	108	67	02	13	15	72	1.87	128	14	14	14
CUT OR PUNCTURE	-	-	82	-	82	82	276	-	88	88	2.95	3.82	-	(*)	(*)	(*)
DERMATITIS	-	-	1	-	1	1	1	-	01	01	-	01	-	15	15	15
DYSLOCATION	-	-	6	-	6	6	4	-	07	07	04	12	-	1	1	1
DUST IN EYE	-	-	6	-	6	6	14	-	06	06	15	21	-	(*)	(*)	(*)
ELECT. BURN (CONTACT)	-	-	1	-	1	1	1	-	01	01	-	01	-	1	1	1
FRACTURE	-	7	99	-	106	106	48	-	13	13	51	1.64	-	123	123	123
HERNIA (NOT DISC)	-	10	12	-	12	12	7	-	13	13	07	14	-	(*)	(*)	(*)
POISONING (SYSTEMIC)	-	-	5	-	5	5	5	-	06	06	07	14	-	(*)	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	1	-	1	1	4	-	01	01	04	05	-	(*)	(*)	(*)
SCRATCH/ABRASION	-	-	10	-	10	10	6	-	11	11	06	17	-	139	139	139
STRAIN/SPRAIN	-	3	255	-	258	258	82	-	2.75	2.75	88	3.63	-	64	320	320
MULTIPLE INJURIES	4	2	85	-	89	89	39	04	91	95	42	1.37	256	7	7	7
OTHER INJURY, NEC	1	1	7	-	9	9	3	01	09	10	03	13	64	7	7	7
UNCLASSIFIED (NO DATA)	-	-	18	-	18	18	14	-	19	19	15	34	-	456	456	456
TOTAL OR AVERAGE	8	31	686	-	727	735	577	08	7.76	7.85	6.16	14.01	512	456	969	969
SURFACE MINES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPEN PIT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/ENUCLEATION	-	9	-	-	9	9	-	-	06	06	01	06	-	35	35	35
ASPHYXIATION/DROWNING	1	-	2	-	2	2	1	01	01	02	01	03	38	(*)	(*)	(*)
BURN/SCALD (NOT CHEM.)	-	-	9	-	9	9	12	-	06	06	08	13	-	2	2	2
CHEMICAL BURN	-	-	9	-	9	9	9	-	01	01	06	07	-	(*)	(*)	(*)
CONCUSSION OR BRUISE	-	-	57	-	57	57	34	-	36	36	21	57	-	8	8	8
CUT OR PUNCTURE	-	-	46	-	46	46	191	-	29	29	1.20	1.48	-	2	2	2
DYSLOCATION	-	-	9	-	9	9	4	-	06	06	03	08	-	(*)	(*)	(*)
DUST IN EYE	-	-	4	-	4	4	18	-	03	03	11	14	-	(*)	(*)	(*)
ELECTRIC SHOCK	-	-	1	-	1	1	1	-	01	01	01	01	-	(*)	(*)	(*)
FRACTURE	-	-	76	-	76	76	42	-	48	48	26	74	-	21	21	21
HERNIA (NOT DISC)	-	6	-	-	6	6	6	-	04	04	04	04	-	2	2	2
POISONING (SYSTEMIC)	-	-	5	-	5	5	4	-	03	03	03	06	-	(*)	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	4	-	4	4	1	-	03	03	01	03	-	(*)	(*)	(*)
SCRATCH/ABRASION	-	-	5	-	5	5	8	-	03	03	05	08	-	(*)	(*)	(*)
STRAIN/SPRAIN	-	1	343	-	343	343	129	-	2.15	2.15	81	2.96	-	63	63	63
MULTIPLE INJURIES	-	2	62	-	62	62	21	-	39	39	13	13	-	37	37	37
OTHER INJURY, NEC	-	-	15	-	15	15	5	-	09	09	03	12	-	1	1	1
UNCLASSIFIED (NO DATA)	-	-	9	-	9	9	9	-	06	06	06	11	-	1	1	1
TOTAL OR AVERAGE	1	18	546	-	664	665	489	01	4.16	4.16	3.06	7.23	38	174	212	212

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, 1989 (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												
DREDGE: BURN/SCALD (NOT CHEM.) CONCUSSION (CEREBRAL) CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION DUST IN EYE FRACTURE HERNIA (NOT DISC) RADIATION/ULTRA VIOLET SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- 1 3 4 1 2 1 1 1 - 16 1 1 1 1 30	- - - - - - - - - - - - - - - 1	- 1 3 4 1 2 2 1 1 - 16 1 1 1 1 31	- 1 3 4 1 2 2 1 1 - 16 1 1 1 1 31	5 9 12 16 3 4 8 5 2 25 9 3 1 1 2 55	- - - - - - - - - - - - - - - -	- 20 60 80 20 40 20 - 3.19 20 20 20 20 6.19	1.00 1.00 2.39 3.19 20 60 1.20 1.00 1.00 40 60 20 1.80 60 20 20 10.98	1.00 20 2.39 3.19 20 60 1.20 1.00 1.00 40 60 20 1.80 60 20 20 17.16	- - - - - - - - - - - - - - -	- (*) 9 10 7 - 1 10 - - 92 1 1 (*) 131	- - - - - - - - - - - - - - -	
TOTAL OR AVERAGE, SURFACE: AMPUTATION/ENUCLEATION ASPHYXIATION/DROWNING BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONCUSSION (CEREBRAL) CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION DUST IN EYE ELECTRIC SHOCK FRACTURE HERNIA (NOT DISC) POISONING (SYSTEMIC) RADIATION/ULTRA VIOLET SCRATCH/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- 1 - - - - - - - - - - - - - - - - - - - 1	- -	- 2 9 2 1 50 10 4 1 1 78 5 4 5 359 61 16 10 676	9 3 9 2 1 50 4 4 1 1 78 7 5 4 359 63 16 10 676	9 3 9 2 1 50 10 4 4 1 78 7 5 4 359 63 16 10 676	9 3 9 2 1 50 10 4 4 1 78 7 5 4 359 63 16 10 676	- 1 17 9 1 43 203 4 21 1 48 126 9 6 10 15 497 87 21 20 544	01 - - - - - - - - - - - - - - - - - - - 01	05 01 05 01 01 36 30 06 02 01 47 04 03 02 02 2.18 38 10 06 4.22	05 02 05 05 01 26 30 06 02 01 47 04 03 02 02 2.18 38 10 06 4.23	- 01 15 07 01 63 1.54 08 15 01 29 04 05 06 3.02 53 13 06 7.53	- 36 2 - - 8 2 - - - 20 2 2 - - 64 35 1 1 36	34 36 2 (*) (*) 8 2 (*) (*) (*) 20 2 2 - - 64 36 1 1 173	- - - - - - - - - - - - - - - - - - - 36	

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, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES							INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NOL	ALL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	
		PERMANENT		TEMPORARY													
		TOTAL	PARTIAL														
-	-	14	-	14	-	14	-	14	-	05	05	-	05	-	27	27	
TOTAL OR AVERAGE, MINING:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/ENUCLEATION	-	-	-	6	5	8	2	10	01	02	03	01	04	46	(*)	47	47
ASPHYXIATION/DROWNING	2	-	-	12	12	25	25	37	-	05	05	10	14	2	(*)	2	2
BURN/SCALD (NOT CHEM.)	-	-	-	6	6	6	12	18	-	02	02	05	07	-	(*)	(*)	(*)
CHEMICAL BURN	-	-	-	5	5	5	5	6	-	02	02	(*)	02	-	(*)	(*)	(*)
CONCUSSION (CEREBRAL)	-	-	-	164	166	168	110	278	01	64	65	43	1.08	46	28	74	74
CONCUSSION OR BRUISE	2	2	2	132	132	132	479	611	-	51	51	1.35	2.36	7	7	7	7
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	(*)	(*)	-	(*)	-	(*)	(*)	(*)
DERMATITIS	-	-	-	1	1	1	1	1	-	07	07	03	10	-	6	6	6
DISLOCATION	-	-	-	16	17	17	8	25	-	04	04	14	17	-	(*)	(*)	(*)
DUST IN EYE	-	-	-	10	10	10	35	45	-	(*)	(*)	(*)	01	-	(*)	(*)	(*)
ELECTRIC SHOCK	-	-	-	1	1	1	1	2	-	(*)	(*)	-	(*)	-	(*)	(*)	(*)
ELECT. BURN (CONTACT)	-	-	-	1	1	1	1	1	-	71	71	37	1.08	-	58	58	58
FRACTURE	-	-	7	177	184	184	96	280	-	07	07	-	07	-	4	4	4
HERNIA (NOT DISC)	-	-	17	2	19	19	11	19	-	04	04	04	09	-	(*)	(*)	(*)
POISONING (SYSTEMIC)	-	-	-	11	11	11	11	22	-	02	02	04	06	-	(*)	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	-	5	5	5	10	15	-	06	06	06	12	-	(*)	(*)	(*)
SCRATCH/ABRASION	-	-	-	15	15	15	16	31	-	2.39	2.39	85	3.24	93	91	91	91
STRAIN/SPRAIN	-	-	4	613	617	617	220	837	-	57	59	24	83	23	46	139	139
MULTIPLE INJURIES	4	4	4	144	148	152	63	215	02	08	10	03	13	23	3	26	26
OTHER INJURY, NEC	1	1	1	23	24	25	8	33	(*)	11	11	09	20	-	3	3	3
UNCLASSIFIED (NO DATA)	-	-	-	28	28	28	24	52	-	5.50	5.54	4.34	9.88	209	276	485	485
TOTAL OR AVERAGE	9	-	50	1,372	1,422	1,431	1,121	2,552	03	5.50	5.54	4.34	9.88	209	276	485	485
INDEPENDENT SHOPS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM.)	-	-	-	1	1	1	-	1	-	26	26	-	26	-	1	1	1
CUT OR PUNCTURE	-	-	-	1	1	1	9	10	-	26	26	2.38	2.65	-	5	5	5
DERMATITIS	-	-	-	1	1	1	-	1	-	26	26	-	26	-	1	1	1
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	26	26	-	-	-	-
STRAIN/SPRAIN	-	-	-	10	10	10	-	10	-	2.65	2.65	-	2.65	-	57	57	57
MULTIPLE INJURIES	-	-	-	2	2	2	2	2	-	53	53	53	53	-	2	2	2
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	15	15	15	12	27	-	3.97	3.97	3.18	7.15	-	66	66	66

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, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						INCIDENCE RATES						SEVERITY MEASURES			
	FATAL	NFDL				TOTAL FATAL AND NFDL	NFDL	TOTAL INJURIES	FATAL	NFDL	ALL FATAL AND NFDL	NDL	ALL INJU- RIES	FATAL	NFDL	ALL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL											
TOTAL	PARTIAL															
PROCESSING PLANTS:																
AMPUTATION/ENUCLEATION	-	10	-	-	10	10	-	10	-	.05	-	-	.05	-	31	31
ASPHYXIATION/DROWNING	1	-	-	15	15	15	44	59	-	(*)	30	-	(*)	30	1	30
BURN/SCALD (NOT CHEM.)	-	-	26	-	26	26	60	86	-	.07	-	22	.29	-	1	1
CHEMICAL BURN	-	-	-	79	79	79	1	1	-	.13	-	30	.42	-	2	2
CONCUSSION (CEREBRAL)	-	-	79	-	79	79	73	152	-	.39	-	36	.75	-	8	8
CONCUSSION OR BRUISE	-	-	60	-	60	60	289	349	-	.30	-	1.43	1.72	-	3	3
CUT OR PUNCTURE	-	-	2	-	2	2	8	10	-	.01	-	.04	.05	-	(*)	(*)
DERMATITIS	-	-	4	-	4	4	3	7	-	.02	-	.01	.03	-	(*)	(*)
DISLOCATION	-	-	9	-	9	9	30	45	-	.04	-	.18	.22	-	(*)	(*)
DUST IN EYE	-	-	2	-	2	2	1	3	-	.01	-	-	.01	-	(*)	(*)
ELECTRIC SHOCK	1	-	-	-	-	-	102	182	-	(*)	30	-	(*)	30	(*)	30
ELECT. BURN (CONTACT)	-	-	80	-	80	80	1	1	-	.40	-	.50	.90	-	17	17
FRACTURE	-	-	-	-	-	-	2	2	-	-	-	.01	.01	-	-	-
HEAT/SUNSTROKE	-	-	2	-	2	2	1	3	-	.12	-	(*)	.12	-	6	6
HERNIA (NOT DISC)	-	22	-	4	24	24	6	10	-	.02	-	.03	.05	-	(*)	(*)
POISONING (SYSTEMIC)	-	-	7	-	7	7	5	12	-	.03	-	.02	.06	-	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	10	-	10	10	20	30	-	.05	-	.10	.15	-	(*)	(*)
SCRATCH/ABRASION	-	-	468	-	468	468	195	661	-	2.30	-	.96	3.27	-	65	65
STRAIN/SPRAIN	-	-	70	-	70	70	41	111	-	.35	-	.20	.55	-	10	10
MULTIPLE INJURIES	-	-	6	-	6	6	5	11	-	.03	-	.02	.05	-	(*)	(*)
OTHER INJURY, NEC.	-	-	17	-	17	17	12	29	-	.08	-	.06	.14	-	4	4
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	894	903	.01	4.41	59	4.46	8.88	59	148	207
TOTAL OR AVERAGE	2	32	860	992	894	903	1,797									

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, 1989 (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	TOTAL		TEMPO- RARY											
			TOTAL	PARTIAL												
TOTAL OR AVERAGE.	-	24	-	24	24	-	24	-	.01	.05	.05	-	.05	39	28	28
ALL MINES AND PLANTS	-	-	-	6	9	2	-	11	-	.01	.01	.02	(*)	-	(*)	39
AMPUTATION/ENUCLEATION	3	-	6	28	28	69	69	97	-	.06	.06	.15	.21	-	1	1
ASPHYXIATION/DROWNING	-	-	32	32	32	72	72	104	-	.07	.07	.15	.22	-	1	1
BURN/SCALD (NOT CHEM.)	-	-	5	5	5	2	7	7	-	.01	.01	(*)	.02	-	(*)	(*)
CHEMICAL BURN	-	-	5	5	5	2	7	7	-	.01	.01	(*)	.02	-	(*)	(*)
CONCUSSION (CEREBRAL)	-	-	243	245	247	183	430	33	(*)	.53	.53	.33	.93	26	19	45
CONCUSSION OR BRUISE	2	2	193	193	193	777	970	5	-	.42	.42	1.67	2.08	5	5	5
CUT OR PUNCTURE	-	-	4	4	4	8	12	32	-	.01	.01	.02	.03	-	(*)	(*)
DERMATITIS	-	-	20	21	21	11	32	96	-	.05	.05	.02	.07	-	4	4
DISLOCATION	-	1	19	19	19	71	96	9	(*)	.04	.04	.19	.19	-	(*)	(*)
DUST IN EYE	-	-	3	3	3	1	5	2	-	.01	.01	(*)	.01	13	(*)	13
ELECTRIC SHOCK	1	-	2	2	2	1	2	2	-	(*)	(*)	(*)	(*)	-	(*)	(*)
ELECT. BURN (CONTACT)	-	7	257	264	264	199	463	2	-	.57	.57	.43	1.00	-	40	40
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAT/SUNSTROKE	-	-	-	-	-	2	2	2	-	.09	.09	(*)	.09	-	-	-
HERNIA (NOT DISC)	-	39	4	43	43	1	44	1	-	.03	.03	.04	.07	-	4	4
POISONING (SYSTEMIC)	-	-	15	15	15	17	32	32	-	.03	.03	.03	.06	-	(*)	(*)
RADIATION/ULTRA VIOLET	-	-	12	12	12	15	27	27	-	.03	.03	.03	.06	-	(*)	(*)
SCRAATCH/ABRASION	-	-	25	25	25	36	61	13	-	.05	.05	.08	.13	-	(*)	(*)
STRAIN/SPRAIN	-	-	1,089	1,093	1,093	415	1,508	79	-	2.35	2.35	.89	3.25	-	79	79
MULTIPLE INJURIES	4	4	214	218	222	106	328	71	.01	.47	.48	.23	.71	52	30	82
OTHER INJURY, NEC	1	-	29	30	31	13	44	4	(*)	.06	.07	.03	.09	13	2	15
UNCLASSIFIED (NO DATA)	-	-	47	47	47	36	83	8	-	.10	.10	.08	.18	-	4	4
TOTAL OR AVERAGE	11	82	2,247	2,329	2,340	2,036	4,376	21	.02	5.01	5.04	4.38	9.42	142	218	360
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	1	1	1	2	3	3	-	.02	.02	.03	.05	-	(*)	(*)
DUST IN EYE	-	-	-	-	-	1	1	1	-	-	-	.02	.02	-	-	-
FRACTURE	-	-	1	1	1	1	2	2	-	.02	.02	.02	.03	-	(*)	(*)
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	.02	.02	-	-	-
STRAIN/SPRAIN	-	-	7	7	7	2	9	9	-	.12	.12	.03	.15	-	2	2
MULTIPLE INJURIES	-	-	-	-	-	2	2	2	-	-	-	.03	.03	-	-	-
OTHER INJURY, NEC	-	-	-	-	-	1	1	1	-	-	-	.02	.02	-	(*)	(*)
UNCLASSIFIED (NO DATA)	-	-	2	2	2	-	2	2	-	.03	.03	-	.03	-	(*)	(*)
TOTAL OR AVERAGE	-	-	11	11	11	10	21	21	-	.19	.19	.17	.36	-	2	2

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, 1989 (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 INDU- RIES	FATAL	NFDL	ALL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL NFDL													
																TOTAL	PARTIAL
-	-	24	-	24	-	24	-	.01	.05	-	.05	-	25	25			
3	-	-	6	9	24	2	11	.01	.01	.02	(*)	.02	34	(*)	34		
-	-	-	28	28	32	69	97	-	.05	.05	.13	.19	-	1	1		
-	-	-	32	32	32	72	104	-	.06	.06	.14	.20	-	1	1		
-	-	-	5	5	5	2	7	-	.01	.01	(*)	.01	-	(*)	(*)		
2	-	2	243	247	245	183	430	(*)	.47	.47	.35	.82	23	17	40		
-	-	-	194	194	194	779	973	-	.37	.37	1.49	1.86	-	5	5		
-	-	-	4	4	4	8	12	-	.01	.01	.02	.02	-	(*)	(*)		
-	-	1	20	21	21	11	32	-	.04	.04	.04	.05	-	3	3		
-	-	1	19	19	19	72	91	(*)	.04	.04	.14	.17	-	(*)	(*)		
1	-	-	3	3	3	1	5	-	.01	.01	(*)	.01	11	(*)	12		
-	-	-	2	2	2	-	2	-	(*)	(*)	-	(*)	-	(*)	(*)		
-	-	7	258	265	265	200	465	-	.51	.51	.38	.89	-	35	35		
-	-	-	-	-	-	2	2	-	-	-	(*)	(*)	-	-	-		
-	-	39	4	43	43	1	44	-	.08	.08	(*)	.08	-	4	4		
-	-	-	15	15	15	18	33	-	.03	.03	.03	.05	-	(*)	(*)		
-	-	-	12	12	12	15	27	-	.02	.02	.03	.05	-	(*)	(*)		
-	-	-	25	25	25	36	61	-	.05	.05	.07	.12	-	(*)	(*)		
-	-	-	1,096	1,100	1,100	417	1,517	-	2.10	2.10	.80	2.90	-	71	71		
4	-	4	214	218	218	108	330	.01	.42	.42	.21	.63	46	27	72		
-	-	-	29	30	31	14	45	(*)	.06	.06	.03	.09	11	2	13		
1	-	1	49	49	49	36	85	-	.09	.09	.07	.16	-	3	3		
-	-	82	2,258	2,340	2,351	2,046	4,397	.02	4.47	4.45	3.91	8.40	126	194	320		
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE-----																	

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, 1989

WEEK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS				AVERAGE SEVERITY					
	FATAL	NFIL			TOTAL FATAL AND NFIL	NFIL	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL		
		PERMANENT	TEMPORARY	TOTAL NFIL				TOTAL	PARTIAL							
UNDERGROUND MINES:																
UNDERGROUND:																
ASPHALTATION/PAVING	1	5	4	5	5	5	6,000	-	1,400	19	1,400	280	5	1,400	280	
BURN/SCALD (NOT CHEM.)	1	4	1	5	5	1	-	-	-	22	6,019	-	22	22	1,204	
CHEMICAL BURN	1	3	3	3	3	2	-	-	-	7	7	-	2	2	2	
CONCUSSION (CEREBRAL)	1	3	3	3	3	1	-	-	-	15	15	-	5	5	15	
CONCUSSION OR BRUISE	2	1	95	96	98	154	12,000	-	900	1,881	2,781	900	20	1,144	15	
CUT OR PUNCTURE	1	70	70	70	70	321	-	-	900	1,144	1,144	900	16	30	30	
DERMATITIS	1	1	1	1	1	1	-	-	900	477	1,377	900	80	197	19	
DISLOCATION	1	6	6	6	6	17	-	-	-	116	8	-	19	8	19	
DUST IN EYE	1	1	1	1	1	1	-	-	-	8	8	-	8	8	14	
ELECT. BURN (CONTACT)	1	7	7	7	7	139	-	-	6,900	3,970	10,870	986	45	114	49	
FRACTURE	1	88	88	95	99	44	-	-	400	445	445	50	45	4	4	
HEMIA (NOT DISC)	1	8	5	9	5	9	-	-	-	22	22	-	7	7	7	
POISONING (SYSTEMIC)	1	5	5	5	5	10	-	-	-	73	73	-	34	34	55	
SCALD/ABRASION	1	10	10	10	10	15	-	-	4,500	7,449	11,949	1,500	29	29	362	
STRAIN/SPRAIN	4	216	216	219	219	285	24,000	-	500	2,197	5,647	1,725	23	23	827	
MULTIPLE INJURIES	1	76	76	82	82	115	6,000	-	400	214	614	400	36	36	36	
OTHER INJURY, NEC.	1	16	16	16	16	28	-	-	-	578	578	-	36	36	36	
UNCLASSIFIED (NO DATA)	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	8	28	608	636	644	1,142	48,000	-	18,850	18,267	37,117	673	30	85,117	132	
SURFACE AT UNDERGROUND:																
BURN/SCALD (NOT CHEM.)	1	2	2	2	2	4	-	-	-	114	114	-	57	114	57	
CHEMICAL BURN	1	1	1	1	1	1	-	-	-	1	1	-	1	1	1	
CONCUSSION (CEREBRAL)	1	1	1	1	1	1	-	-	-	33	33	-	33	33	33	
CONCUSSION OR BRUISE	1	9	9	10	10	21	-	-	3,000	145	3,145	3,000	16	3,144	314	
CUT OR PUNCTURE	1	12	12	12	12	37	-	-	-	144	144	-	12	12	12	
DUST IN EYE	1	11	11	11	11	15	-	-	-	666	666	-	61	666	61	
FRACTURE	1	2	3	3	3	4	-	-	100	6	114	50	14	114	38	
HEMIA (NOT DISC)	1	1	1	1	1	1	-	-	-	6	6	-	6	6	6	
POISONING (SYSTEMIC)	1	1	1	1	1	1	-	-	-	1	1	-	1	1	1	
RADIATION/ULTRA VIOLET	1	39	39	39	39	55	-	-	-	1,052	1,052	-	27	1,052	27	
SCALD/ABRASION	1	7	7	7	7	12	-	-	-	325	325	-	46	325	46	
STRAIN/SPRAIN	1	1	1	1	1	3	-	-	-	5	5	-	5	5	5	
MULTIPLE INJURIES	1	1	1	1	1	2	-	-	-	32	32	-	16	32	16	
OTHER INJURY, NEC.	1	2	2	2	2	4	-	-	-	2,538	2,538	-	29	2,538	29	
UNCLASSIFIED (NO DATA)	1	3	88	91	91	170	-	-	3,100	2,538	5,638	1,033	62	5,638	62	
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, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		TOTAL	TEMPORARY	TOTAL NFDL					PERMANENT	TEMPORARY	TOTAL NFDL				
															TOTAL
TOTAL OR AVERAGE, U.S.	1	5	4	5	5	1	5	6,000	1,400	-	-	280	-	280	280
AMPUTATION/EMBLICATION	-	-	-	-	-	-	6	-	-	-	-	-	5	1,204	45
ASPHYXIATION/CHOKING	-	-	-	-	-	-	11	-	-	-	-	-	2	2	2
BURN/SCALD (HOT LIQ.)	-	-	-	-	-	-	7	-	-	-	-	-	12	12	12
CHEMICAL BURN	-	-	-	-	-	-	5	-	-	-	-	-	19	166	16
CONCUSSION (CEREBRAL)	-	-	-	-	-	-	175	-	-	-	-	1,950	16	16	16
CONTUSION OR BRUISE	2	104	106	82	108	276	358	12,000	3,900	-	-	-	30	30	30
CUT OR FRACTURE	-	82	82	82	82	1	1	-	-	-	-	-	80	197	19
DERMATITIS	-	1	1	1	1	4	11	-	-	-	-	-	19	19	8
DISLOCATION	-	6	6	6	6	14	20	-	-	-	-	-	47	109	5
DUST IN EYE	-	1	1	1	1	48	154	-	-	-	-	-	30	47	5
ELECT. BURN (CONTACT)	-	7	7	7	7	12	12	-	-	-	-	-	5	1	1
FRACTURE	-	10	10	10	10	6	16	-	-	-	-	-	7	7	7
HERNIA (NOT DISC)	-	-	-	-	-	4	5	-	-	-	-	-	33	33	50
POISONING (SYSTEMIC)	-	-	-	-	-	82	340	-	-	-	-	-	30	30	337
RADIATION/ULTRA VIOLET	-	-	-	-	-	39	128	24,000	4,500	-	-	1,506	31	735	34
SCALD/ABRASION	-	-	-	-	-	14	32	6,000	400	-	-	400	34	34	123
STRAIN/SPRAIN	-	-	-	-	-	577	1,312	48,000	21,950	-	-	705	30	30	123
MULTIPLE INJURIES	4	63	63	63	69	3	12	-	-	-	-	-	-	-	-
OTHER INJURY, NEC	1	7	7	7	8	14	32	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	18	18	18	18	577	1,312	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	8	696	727	735	735	577	1,312	48,000	42,755	-	-	705	30	30	123
SURFACE MINES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPEN PIT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/EMBLICATION	-	9	9	9	9	1	9	6,000	5,570	-	-	619	-	619	619
ASPHYXIATION/CHOKING	-	-	-	-	-	-	4	-	-	-	-	-	2	2,002	2,002
BURN/SCALD (HOT LIQ.)	-	-	-	-	-	-	21	-	-	-	-	-	37	37	37
CHEMICAL BURN	-	-	-	-	-	-	11	-	-	-	-	-	1	1	1
CONCUSSION OR BRUISE	-	-	-	-	-	-	91	-	-	-	-	-	22	22	22
CUT OR FRACTURE	-	57	57	57	57	24	237	-	-	-	-	-	8	8	8
DISLOCATION	-	46	46	46	46	191	238	-	-	-	-	-	26	26	26
DUST IN EYE	-	9	9	9	9	4	13	-	-	-	-	-	2	2	2
ELECTRIC SHOCK	-	1	1	1	1	18	22	-	-	-	-	-	27	27	27
FRACTURE	-	76	76	76	76	42	118	-	-	-	-	-	44	44	44
HERNIA (NOT DISC)	-	6	6	6	6	6	6	-	-	-	-	50	50	50	50
POISONING (SYSTEMIC)	-	5	5	5	5	4	9	-	-	-	-	-	6	6	6
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	5	-	-	-	-	-	2	2	2
SCALD/ABRASION	-	-	-	-	-	-	13	-	-	-	-	-	5	5	5
STRAIN/SPRAIN	-	342	343	343	343	129	472	-	-	-	-	50	29	29	29
MULTIPLE INJURIES	-	60	62	62	62	21	83	-	-	-	-	2,100	29	96	96
OTHER INJURY, NEC	-	15	15	15	15	5	20	-	-	-	-	-	12	12	12
UNCLASSIFIED (NO DATA)	-	9	9	9	9	5	18	-	-	-	-	-	14	14	14
TOTAL OR AVERAGE	1	646	664	665	665	489	1,154	6,000	17,584	-	-	562	27	51	51

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, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOI	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL					
DRENCH	-	-	-	-	-	5	-	-	-	-	-	-	-	-	1	1
BURN/SCALD (NOT CHEM.)	-	-	1	1	1	5	-	-	-	-	-	-	-	-	14	14
CONCUSSION (CEREBRAL)	-	-	3	3	3	9	-	-	-	-	-	-	-	-	48	48
CONTUSION OR BRUISE	-	-	4	4	4	12	-	-	-	-	-	-	-	-	36	36
CUT OR PUNCTURE	-	-	1	1	1	3	-	-	-	-	-	-	-	-	3	3
DISLOCATION	-	-	2	2	2	6	-	-	-	-	-	-	-	-	50	50
DUST IN EYE	-	-	1	1	1	5	-	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	1	1	1	2	-	-	-	-	-	-	-	-	460	460
HERNIA (NOT DISC)	-	-	16	16	16	9	-	-	-	-	-	-	-	-	7	7
RADIATION/ULTRA VIOLET	-	-	1	1	1	3	-	-	-	-	-	-	-	-	5	5
SCRATCH/ABRASION	-	-	1	1	1	1	-	-	-	-	-	-	-	-	2	2
STRAIN/SPRAIN	-	-	1	1	1	1	-	-	-	-	-	-	-	-	5	5
MULTIPLE INJURIES	-	-	1	1	1	1	-	-	-	-	-	-	-	-	2	2
OTHER INJURY, NEC	-	-	30	30	31	55	-	-	-	-	-	-	-	-	20	20
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	21
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DRENCH	-	-	9	9	9	4	-	-	-	-	-	-	-	-	519	519
BURN/SCALD (NOT CHEM.)	-	-	2	2	2	17	-	-	-	-	-	-	-	-	2	2
CONCUSSION (CEREBRAL)	-	-	9	9	9	26	-	-	-	-	-	-	-	-	37	37
CONTUSION OR BRUISE	-	-	2	2	2	9	-	-	-	-	-	-	-	-	1	1
CUT OR PUNCTURE	-	-	1	1	1	1	-	-	-	-	-	-	-	-	21	21
DISLOCATION	-	-	60	60	60	43	-	-	-	-	-	-	-	-	8	8
DUST IN EYE	-	-	50	50	50	203	-	-	-	-	-	-	-	-	27	27
ELECTRIC SHOCK	-	-	10	10	10	4	-	-	-	-	-	-	-	-	27	27
FRACTURE	-	-	4	4	4	21	-	-	-	-	-	-	-	-	2	2
HERNIA (NOT DISC)	-	-	1	1	1	1	-	-	-	-	-	-	-	-	27	27
POTSMING (SYSTEMIC)	-	-	78	78	78	48	-	-	-	-	-	-	-	-	43	43
RADIATION/ULTRA VIOLET	-	-	7	7	7	7	-	-	-	-	-	-	-	-	50	50
SCRATCH/ABRASION	-	-	5	5	5	4	-	-	-	-	-	-	-	-	6	6
STRAIN/SPRAIN	-	-	5	5	5	6	-	-	-	-	-	-	-	-	2	2
MULTIPLE INJURIES	-	-	358	358	359	10	-	-	-	-	-	-	-	-	5	5
OTHER INJURY, NEC	-	-	61	61	63	24	-	-	-	-	-	-	-	-	29	29
UNCLASSIFIED (NO DATA)	-	-	10	10	10	5	-	-	-	-	-	-	-	-	12	12
TOTAL OR AVERAGE	-	-	676	676	685	544	-	-	-	-	-	-	-	-	535	535

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, 1989 (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		TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		PERMANENT	TEMPO- RARY	TOTAL					PARTIAL					
TOTAL OR AVERAGE MINING:														
AMPUTATION/ENGULFMENT	-	14	-	-	14	14	-	12,000	-	6,970	-	498	-	498
ASPHYXIATION/CHOKING	2	-	6	-	8	8	-	-	-	-	-	-	-	1,503
BURN/SCALD (HOT OIL)	-	-	12	-	12	12	-	-	-	-	-	-	-	39
CHEMICAL BURN	-	-	6	-	6	6	-	-	-	-	-	-	-	2
CONCUSSION (CEREBRAL)	-	-	5	-	5	5	-	-	-	-	-	-	-	10
CONFUSION OR BRUISE	-	-	164	-	168	168	-	12,000	-	3,900	-	1,950	-	19,200
CUT OR FRACTURE	2	2	132	-	132	479	-	-	-	-	-	-	-	114
DERMATITIS	-	-	1	-	1	1	-	-	-	-	-	-	-	13
DISLOCATION	-	-	16	-	17	17	-	-	-	-	-	-	-	30
DUST IN EYE	-	-	10	-	10	10	-	-	-	-	-	-	-	47
ELECTRIC SHOCK	-	-	1	-	1	1	-	-	-	-	-	-	-	12
ELECT. BURN (CONTACT)	-	-	1	-	1	1	-	-	-	-	-	-	-	27
FRACTURE	-	7	177	-	184	280	-	-	-	-	-	-	-	8
HERNIA (NOT DISC)	-	-	19	-	19	19	-	-	-	-	-	-	-	45
POISONING (SYSTEMIC)	-	-	11	-	11	11	-	-	-	-	-	-	-	81
RADIATION/ULTRA VIOLET	-	-	5	-	5	5	-	-	-	-	-	-	-	48
SCALD/ABRASION	-	-	15	-	15	15	-	-	-	-	-	-	-	5
STRAIN/SPRAIN	-	4	613	-	617	837	-	-	-	-	-	-	-	30
MULTIPLE INJURIES	4	4	144	-	148	215	-	24,000	-	4,550	-	1,138	-	31
OTHER INJURY, NEC	1	1	23	-	24	33	-	6,000	-	7,650	-	1,912	-	286
UNCLASSIFIED (NO DATA)	-	-	28	-	28	52	-	-	-	-	-	-	-	18
TOTAL OR AVERAGE	9	50	1,372	1,422	1,431	2,552	-	54,000	-	32,120	39,094	642	28	88
INDEPENDENT SHOPS:														
BURN/SCALD (HOT OIL)	-	-	1	-	1	1	-	-	-	-	-	-	-	5
CUT OR FRACTURE	-	-	1	-	1	9	-	-	-	-	-	-	-	20
DERMATITIS	-	-	1	-	1	1	-	-	-	-	-	-	-	2
FRACTURE	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	10	-	10	10	-	-	-	-	-	-	-	22
MULTIPLE INJURIES	-	-	2	-	2	2	-	-	-	-	-	-	-	3
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	15	15	15	27	-	-	-	-	250	-	-	17

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, 1989 (CONTINUED)

WORK LOCATION 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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL					TOTAL	PARTIAL	TOTAL				
PROCESSING PLANTS: AMPUTATION/ENCAFEATION ASPHYXIATION/CHOKING BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONCUSSION (CEREBRAL) CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION DUST IN EYE ELECTRIC SHOCK ELECT. BURN (CONTACT) FRACTURE HEAT/SUNSTROKE HERNIA (NOT DISC.) POISONING (SYSTEMIC) RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	1 - - - - - - - - - 1 - 														

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, 1989 (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	PARTIAL	TOTAL					PARTIAL	TOTAL		
			TOTAL	PARTIAL													TOTAL	PARTIAL
GRAND TOTAL OR AVERAGE	11	-	82	2,258	2,340	2,351	2,046	55,000	39,485	62,064	101,549	482	27	157,549				
AMPUTATION/EXTREMITY	-	24	-	-	24	24	2	18,000	-	-	13,235	551	-	13,235				
ASPHALTATION/PAVING	3	6	-	-	6	6	65	-	-	-	24	-	4	2,003				
BURN/SCALD (NOT CHEM.)	-	28	-	-	28	28	72	-	-	-	666	-	-	24				
CHEMICAL BURN	-	32	-	-	32	32	2	-	-	-	389	-	-	12				
CONCUSSION (CEREBRAL)	-	5	-	-	5	5	183	-	-	-	49	-	-	10				
CONCUSSION OR BRUISE	2	243	-	-	245	247	779	12,000	-	-	8,734	1,950	-	84				
CUT OR PUNCTURE	-	194	-	-	194	194	8	-	-	-	2,350	-	-	12				
DERMATITIS	-	4	-	-	4	4	11	-	-	-	76	-	-	19				
DISLOCATION	-	20	-	-	21	21	72	-	-	-	1,677	900	-	80				
DUST IN EYE	-	19	-	-	19	19	1	6,000	-	-	34	-	-	8				
ELECTRIC SHOCK	1	3	-	-	3	3	2	-	-	-	53	-	-	1,508				
ELECT. BURN (CONTACT)	-	2	-	-	2	2	200	-	-	-	11,474	986	-	26				
FRACTURE	-	258	-	-	265	265	465	-	-	-	18,374	-	-	69				
HEAT/SUNSTROKE	-	-	-	-	-	-	2	-	-	-	-	-	-	-				
HERNIA (NOT DISC)	-	39	-	-	43	43	44	-	-	-	2,084	50	-	48				
POISONING (SYSTEMIC)	-	4	-	-	4	4	1	-	-	-	64	-	-	4				
RADIATION/ULTRA VIOLET	-	15	-	-	15	15	18	-	-	-	48	-	-	4				
SCALD/ABRASION	-	12	-	-	12	12	15	-	-	-	155	-	-	6				
SCALD/ABRASION	-	25	-	-	25	25	36	-	-	-	155	-	-	6				
STRAIN/SPRAIN	-	1,096	-	-	1,100	1,100	417	-	-	-	36,951	1,138	-	34				
MULTIPLE INJURIES	4	214	-	-	218	222	188	24,000	4,550	6,243	13,893	1,912	-	171				
OTHER INJURY, NEC	1	29	-	-	31	31	14	6,000	7,650	440	840	400	-	221				
UNCLASSIFIED (NO DATA)	-	49	-	-	49	49	36	-	-	-	1,651	-	-	34				
TOTAL OR AVERAGE	11	-	82	2,258	2,340	2,351	2,046	55,000	39,485	62,064	101,549	482	27	157,549				

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, 1989

PART OF BODY INJURED AND NATURE OF INJURY	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											
EAR: BURN/SCALD (HOT CHEM.)----- CUT OR PUNCTURE----- OTHER INJURY, NEC----- TOTAL OR AVERAGE-----	- - - -	- - 3 3	- - 3 3	- - 3 3	- - 3 3	5 10 1 19	- - - -	- - - -	- - 12 12	- - 12 12	- - 12 12	- - - -	- 4 4 4	- - - -	
EYE: BURN/SCALD (HOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DUST IN EYE----- RADIATION/ULTRA VIOLET----- SCALD/ABRASION----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - -	- - - - - - - - - - -	2 11 1 20 19 11 18 1 3 1 87	2 11 1 20 19 11 18 1 3 1 87	6 46 - 63 72 14 27 2 3 - 233	8 57 1 83 91 25 45 3 6 1 320	- - - - - - - - - - -	- - - - - - - - - - -	- - - - - - - - - - -	4 21 2 117 152 15 60 2 4 6 383	4 21 2 117 152 15 60 2 4 6 383	- - - - - - - - - - -	- 2 2 6 8 1 3 2 1 6 4 - - - - - -		
JAW: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- - 1 1 2	- - 1 1 2	2 17 - - 19	2 17 - - 21	- - - - -	- - - - -	- - - - -	- - - - -	- - 30 1 31	- - 30 1 31	- - - - -	- - 30 1 16	- - - - -
MOUTH/TEETH/TONGUE: CUT OR PUNCTURE----- FRACTURE----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - -	- - - -	- 3 3 6	- 3 3 6	20 28 1 49	20 31 4 55	- - - -	- - - -	- - - -	- - - -	- 10 5 15	- 10 5 15	- - - -	- 3 2 2	- - - -
NOSE: CUT OR PUNCTURE----- FRACTURE----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - -	- - - -	1 1 - 2	1 1 - 2	12 7 1 20	13 8 1 22	- - - -	- - - -	- - - -	- - - -	2 2 - 4	2 2 - 4	- - - -	- 2 2 2	- - - -
SCALP: CUT OR PUNCTURE----- TOTAL OR AVERAGE-----	- - -	- - -	4 4 4	4 4 4	7 7 7	11 11 11	- - -	- - -	- - -	- - -	20 20 20	20 20 20	- - -	- 5 5	- - -

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, 1989 (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	LTD.	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL					PARTIAL
SKULL: FRACTURE-----	-	-	-	1	1	1	-	1	-	-	-	40	-	-	40	
TOTAL OR AVERAGE-----	-	-	-	1	1	1	-	1	-	-	-	40	-	-	40	
FACE, NEC. BURN/SCALD (NOT CHEM.)-----	-	-	-	1	1	1	1	2	-	-	-	9	-	-	9	
CHEMICAL BURN-----	-	-	-	2	2	1	2	4	-	-	-	26	-	-	26	
CONTUSION OR BRUISE-----	-	-	-	1	1	1	3	3	-	-	-	3	-	-	3	
CUT OR PUNCTURE-----	-	-	-	5	5	22	27	4	-	-	-	102	-	-	102	
FRACTURE-----	-	-	-	2	2	2	4	2	-	-	-	16	-	-	16	
SCALD/ABRASION-----	-	-	-	1	1	1	1	1	-	-	-	1	-	-	1	
MULTIPLE INJURIES-----	-	-	-	3	3	1	4	4	-	-	-	50	-	-	50	
OTHER INJURY, NEC. UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	1	1	1	-	-	-	5	-	-	5	
TOTAL OR AVERAGE-----	-	-	-	16	16	32	48	-	-	-	-	212	-	-	212	
HEAD, NEC. CONCUSSION (CEREBRAL)-----	-	-	-	5	5	2	7	8	-	-	-	49	-	-	49	
CONTUSION OR BRUISE-----	-	-	-	3	3	5	8	6	-	-	-	134	-	-	134	
CUT OR PUNCTURE-----	-	-	-	11	11	53	64	1	-	-	-	87	-	-	87	
SCALD/ABRASION-----	-	-	-	1	1	1	1	1	-	-	-	47	-	-	47	
MULTIPLE INJURIES-----	-	-	-	6	6	4	10	2	-	-	-	91	-	-	91	
OTHER INJURY, NEC. UNCLASSIFIED (NO DATA)-----	-	-	-	2	2	3	5	5	-	-	-	11	-	-	11	
TOTAL OR AVERAGE-----	-	-	-	29	29	67	97	-	-	-	-	152	-	-	152	
NECK: BURN/SCALD (NOT CHEM.)-----	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	
CONTUSION OR BRUISE-----	-	-	-	3	3	2	5	5	-	-	-	17	-	-	17	
CUT OR PUNCTURE-----	-	-	-	1	1	25	26	2	-	-	-	600	-	-	600	
FRACTURE-----	-	-	-	47	47	1	48	2	-	-	-	1,322	-	-	1,322	
STRAIN/SPRAIN-----	-	-	-	1	1	1	2	2	-	-	-	2	-	-	2	
MULTIPLE INJURIES-----	-	-	-	2	2	-	2	2	-	-	-	31	-	-	31	
UNCLASSIFIED (NO DATA)-----	-	-	-	1	1	30	31	3	-	-	-	152	-	-	152	
TOTAL OR AVERAGE-----	-	-	-	53	54	54	84	-	-	-	-	1,972	-	-	1,972	
UPPER ARM: CONTUSION OR BRUISE-----	-	-	-	3	3	1	4	4	-	-	-	77	-	-	77	
CUT OR PUNCTURE-----	-	-	-	1	1	4	5	5	-	-	-	5	-	-	5	
FRACTURE-----	-	-	-	2	2	1	3	3	-	-	-	114	-	-	114	
STRAIN/SPRAIN-----	-	-	-	3	3	1	4	4	-	-	-	231	-	-	231	
MULTIPLE INJURIES-----	-	-	-	1	1	1	2	2	-	-	-	17	-	-	17	
TOTAL OR AVERAGE-----	-	-	-	10	10	7	17	-	-	-	-	444	-	-	444	

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, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	MFIL			TOTAL FATAL AND MFIL	TOTAL INJURIES	FATAL	MFIL			TOTAL FATAL AND MFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MFIL		
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL	PARTIAL							
ELBOW: BURN/SCALD (NOT CHEM.)----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - -	- 12 2 7 12 6 2 1 42	- 12 2 7 12 6 2 1 42	- 12 2 7 12 6 2 1 42	1 27 15 9 26 7 3 3 91	- - - - - - - - -	- - - - - - - - -	- 288 36 159 393 55 32 1 974	- 288 36 159 393 55 32 1 974	- - - - - - - - -	- 25 18 23 33 9 16 1 23	- - - - - - - - -	- 25 18 23 33 9 16 1 23	- - - - - - - - -		
FOREARM: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DERMATITIS----- FRACTURE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - -	- - 5 11 5 5 4 - 25	- - 5 11 5 5 4 - 25	- - 5 11 5 5 4 - 25	7 2 8 45 2 6 1 5 1 77	- - - - - - - - -	- - - - - - - - -	- - 11 386 249 45 - 681	- - 11 386 249 45 - 681	- - 11 386 249 45 - 681	- - - - - - - -	- - 2 35 50 11 - 28	- - - - - - - -	- - 2 35 50 11 - 28	- - - - - - - -	
WRIST: BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - -	1 3 2 1 18 12 1 1 38	1 3 2 1 18 12 1 1 38	1 3 2 1 18 12 1 1 38	3 1 5 28 1 24 1 30 2 1 96	- - - - - - - - -	- - - - - - - - -	11 - 33 11 174 937 66 4 1,236	11 - 33 11 174 937 66 4 1,236	11 - 33 11 174 937 66 4 1,236	- - - - - - - -	11 - 11 6 174 52 6 4 33	- - - - - - - -	11 - 11 6 174 52 6 4 33	- - - - - - - -	
HAND: AMPUTATION/DEGLTERATION----- BURN/SCALD (NOT CHEM.)----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DERMATITIS----- FRACTURE----- RADIATION/ULTRA VIOLET----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - - - - - - - -	1 5 14 15 9 - - - 50	1 5 14 15 9 - - - 50	1 5 14 15 9 - - - 50	1 15 3 23 96 2 24 1 1 3 11 180	- - - - - - - -	- - - - - - - -	- 2,850 - 296 135 - 900 - - - - 3,750	- 2,850 - 296 135 - 900 - - - -	- 2,850 - 296 135 - 900 - - -	- 2,850 - 21 9 - 450 - - - -	- 7 - 21 9 35 - - - - 87	- - - - - - - -	- 7 - 21 9 35 - - - -	- 7 - 21 9 35 - - -	- 2,850 - 296 135 - 900 - - -

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, 1989 (CONTINUED)

PART OF BODY INJURED 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			
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPO- RARY	TOTAL NFIDL							
FINGER(S):																	
AMPUTATION/ENVIRONMENTAL	-	22	-	-	22	22	3	-	-	-	7,385	-	-	7,385	336	-	336
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	19
CHEMICAL BURN	-	-	-	-	-	-	45	-	-	-	-	-	-	-	-	-	10
CONTUSION OR BRUISE	-	21	73	73	289	289	6	-	-	-	-	-	-	-	-	-	22
CUT OR PUNCTURE	-	4	4	4	1	1	1	-	-	-	-	-	-	-	-	-	8
DISLOCATION	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	28
ELECT. BURN (CONTACT)	-	47	47	47	113	113	7	-	-	-	-	-	-	-	-	-	5
FRACTURE	-	6	6	6	7	7	13	-	-	-	-	-	-	-	-	-	27
STRAIN/SPRAIN	-	43	44	44	47	47	3	-	-	-	-	-	-	-	-	-	26
MULTIPLE INJURIES	-	1	1	1	1	1	5	-	-	-	-	-	-	-	-	-	25
OTHER INJURY, NEC.	-	1	1	1	2	2	7	-	-	-	-	-	-	-	-	-	40
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	24	198	222	222	741	519	-	-	8,235	12,063	343	19	12,063	94	-	94
UPPER EXTREMITIES, NEC.																	
BURN/SCALD (NOT CHEM.)	-	4	4	4	7	7	11	-	-	-	-	-	-	-	-	-	9
CHEMICAL BURN	-	1	1	1	1	1	2	-	-	-	-	-	-	-	-	-	20
CONTUSION OR BRUISE	-	5	5	5	6	6	11	-	-	-	-	-	-	-	-	-	14
CUT OR PUNCTURE	-	9	9	9	26	26	35	-	-	-	-	-	-	-	-	-	11
DERMATITIS	-	-	-	-	3	3	3	-	-	-	-	-	-	-	-	-	-
FRACTURE	-	4	4	4	2	2	6	-	-	-	-	-	-	-	-	-	25
STRAIN/SPRAIN	-	17	17	17	12	12	29	-	-	-	-	-	-	-	-	-	17
MULTIPLE INJURIES	-	6	6	6	3	3	9	-	-	-	-	-	-	-	-	-	53
OTHER INJURY, NEC.	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	53
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	48	48	60	103	60	-	-	-	1,015	-	21	1,015	21	-	21
ABDOMEN:																	
CHEMICAL BURN	-	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-	7
CONTUSION OR BRUISE	-	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-	36
CUT OR PUNCTURE	-	1	1	1	4	4	5	-	-	-	-	-	-	-	-	-	32
STRAIN/SPRAIN	-	7	7	7	2	2	9	-	-	-	-	-	-	-	-	-	28
OTHER INJURY, NEC.	-	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	21
TOTAL OR AVERAGE	-	-	11	11	6	17	6	-	-	-	294	-	27	294	27	-	27
BACK:																	
BURN/SCALD (NOT CHEM.)	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	-	-	3	3	27	-	-	-	-	-	-	-	-	-	13
CONTUSION OR BRUISE	-	24	24	24	2	2	2	-	-	-	-	-	-	-	-	-	201
CUT OR PUNCTURE	-	-	-	-	1	1	13	-	-	-	-	-	-	-	-	-	56
FRACTURE	-	1	1	1	1	1	2	-	-	-	-	-	-	-	-	-	1
SCALD/ABRASION	-	573	575	575	176	176	751	-	-	-	-	-	-	-	-	-	38
STRAIN/SPRAIN	-	7	7	7	4	4	11	-	-	-	-	-	-	-	-	-	40
MULTIPLE INJURIES	-	4	4	4	2	2	6	-	-	-	-	-	-	-	-	-	5
OTHER INJURY, NEC.	-	-	-	-	10	10	29	-	-	-	-	-	-	-	-	-	49
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	3	639	642	201	843	201	-	-	5,400	25,765	1,800	32	25,765	1,800	-	40

TABLE 12. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES					LOST HOURS					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	
		TOTAL	TEMPO- RARY	TOTAL NFIL				TOTAL	PERMANENT	PARTIAL					
CHEST:															
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE	-	16	16	16	16	29	-	-	-	-	374	-	374	23	
CUT OR PUNCTURE	-	2	2	2	2	5	-	-	-	-	56	-	56	28	
DISLOCATION	-	1	1	1	1	1	-	-	-	-	5	-	5	5	
FRACTURE	-	15	15	15	15	21	-	-	-	-	544	-	544	36	
STRAIN/SPRAIN	-	10	10	10	10	6	-	-	-	-	68	-	68	14	
MULTIPLE INJURIES	-	5	5	5	5	25	-	-	-	-	70	-	70	5	
OTHER INJURY, NEC	-	1	1	1	1	2	-	-	-	-	5	-	5	15	
UNCLASSIFIED (NO DATA)	-	1	1	1	1	1	-	-	-	-	15	-	15	15	
TOTAL OR AVERAGE	-	51	51	51	51	95	-	-	-	-	1,134	-	1,134	22	
PELVIC REGION:															
CHEMICAL BURN	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
HEMIA (NOT DISC)	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	39	43	43	43	44	-	-	-	-	2,084	-	2,084	25	
MULTIPLE INJURIES	-	1	32	32	32	46	-	-	-	-	771	-	771	36	
OTHER INJURY, NEC	-	-	-	-	-	1	-	-	-	-	38	-	38	23	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	48	88	88	88	111	-	-	-	-	3,317	-	3,317	38	
SHOULDER(S):															
CONTUSION OR BRUISE	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-
CUT OR PUNCTURE	-	15	15	15	15	4	-	-	-	-	354	-	354	24	
DISLOCATION	-	1	1	1	1	4	-	-	-	-	13	-	13	13	
FRACTURE	-	13	14	14	14	17	-	-	-	-	1,403	-	1,403	25	
STRAIN/SPRAIN	-	5	5	5	5	6	-	-	-	-	123	-	123	25	
MULTIPLE INJURIES	-	67	67	67	67	107	-	-	-	-	2,610	-	2,610	38	
OTHER INJURY, NEC	-	3	3	3	3	3	-	-	-	-	171	-	171	57	
UNCLASSIFIED (NO DATA)	-	2	2	2	2	3	-	-	-	-	34	-	34	11	
TOTAL OR AVERAGE	-	109	110	110	110	167	-	-	-	-	4,808	-	4,808	50	
TRUNK, NEC:															
CONTUSION OR BRUISE	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-
FRACTURE	-	6	6	6	6	3	-	-	-	-	306	-	306	51	
STRAIN/SPRAIN	-	3	3	3	3	3	-	-	-	-	131	-	131	44	
MULTIPLE INJURIES	-	16	16	16	16	21	-	-	-	-	266	-	266	17	
OTHER INJURY, NEC	-	8	9	9	9	12	-	-	-	-	3,257	-	3,257	30	
UNCLASSIFIED (NO DATA)	-	2	2	2	2	2	-	-	-	-	7	-	7	4	
TOTAL OR AVERAGE	-	35	36	36	36	47	-	-	-	-	3,949	-	3,949	27	

TABLE 12. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL					
THIGH:															
BURN/SCALD (NOT CHEM.)	-	-	2	2	-	1	1	-	-	-	-	-	-	7	4
CONTUSION OR BRUISE	-	-	6	6	-	2	4	-	-	-	-	-	-	40	7
CUT OR PUNCTURE	-	-	1	1	-	17	23	-	-	-	-	-	-	120	120
FRACTURE	-	-	1	1	-	1	2	-	-	-	-	-	-	18	18
SCALD/ABRASION	-	-	1	1	-	1	2	-	-	-	-	-	-	1	1
STRAIN/SPRAIN	-	-	1	1	-	1	1	-	-	-	-	-	-	11	11
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	12	12	-	22	34	-	-	-	-	-	-	157	16
KNEE:															
BURN/SCALD (NOT CHEM.)	-	-	2	2	-	1	1	-	-	-	-	-	-	46	23
CHEMICAL BURN	-	-	30	30	-	2	4	-	-	-	-	-	-	951	32
CONTUSION OR BRUISE	-	-	7	7	-	10	40	-	-	-	-	-	-	116	17
CUT OR PUNCTURE	-	-	1	1	-	2	3	-	-	-	-	-	-	5	5
DISLOCATION	-	-	4	4	-	1	5	-	-	-	-	-	-	141	35
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALD/ABRASION	-	-	134	135	-	30	165	-	-	-	-	-	-	5,210	900
STRAIN/SPRAIN	-	-	5	5	-	1	6	-	-	-	-	-	-	174	39
MULTIPLE INJURIES	-	-	1	1	-	1	2	-	-	-	-	-	-	174	35
OTHER INJURY, NEC.	-	-	5	5	-	3	8	-	-	-	-	-	-	22	174
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	111	22
TOTAL OR AVERAGE	-	-	189	190	-	73	263	-	-	-	-	-	-	7,826	900
LOWER LEG:															
AMPUTATION/ENUCLEATION	-	-	1	1	-	-	1	-	-	-	-	-	-	3,000	3,000
BURN/SCALD (NOT CHEM.)	-	-	1	1	-	4	5	-	-	-	-	-	-	3	3
CHEMICAL BURN	-	-	1	1	-	-	1	-	-	-	-	-	-	9	9
CONTUSION OR BRUISE	-	-	9	9	-	2	11	-	-	-	-	-	-	171	19
CUT OR PUNCTURE	-	-	2	2	-	12	14	-	-	-	-	-	-	6	3
FRACTURE	-	-	1	1	-	13	13	-	-	-	-	-	-	967	600
STRAIN/SPRAIN	-	-	3	3	-	2	5	-	-	-	-	-	-	4	4
MULTIPLE INJURIES	-	-	1	1	-	-	1	-	-	-	-	-	-	159	159
OTHER INJURY, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
TOTAL OR AVERAGE	-	-	30	32	-	20	52	-	-	-	-	-	-	4,920	1,800
ANKLE:															
BURN/SCALD (NOT CHEM.)	-	-	2	2	-	3	5	-	-	-	-	-	-	74	37
CHEMICAL BURN	-	-	1	1	-	1	2	-	-	-	-	-	-	20	20
CONTUSION OR BRUISE	-	-	11	11	-	5	16	-	-	-	-	-	-	89	8
CUT OR PUNCTURE	-	-	2	2	-	3	3	-	-	-	-	-	-	5	2
FRACTURE	-	-	21	21	-	30	24	-	-	-	-	-	-	1,103	53
STRAIN/SPRAIN	-	-	85	85	-	4	115	-	-	-	-	-	-	1,155	14
MULTIPLE INJURIES	-	-	4	4	-	-	4	-	-	-	-	-	-	64	16
OTHER INJURY, NEC.	-	-	2	2	-	1	2	-	-	-	-	-	-	32	16
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	128	128	-	44	172	-	-	-	-	-	-	2,542	20

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, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	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	TOTAL						TEMPO- RARY	TOTAL NFIDL					
			TOTAL	PARTIAL											
											TOTAL				
FOOT:															
BURN/SCALD (NOT CHEM.)	-	-	3	3	3	5	8	-	-	-	78	78	-	26	26
CHEMICAL BURN	-	-	4	4	4	1	5	-	-	-	29	29	-	7	7
CONTUSION OR BRUISE	-	-	36	37	37	19	56	-	-	3,000	3,414	3,414	3,000	12	92
CUT OR PUNCTURE	-	-	7	7	7	8	15	-	-	-	28	28	-	4	4
ELECT. BURN (CONTACT)	-	-	1	1	1	1	1	-	-	-	45	45	-	45	45
FRACTURE	-	-	43	43	43	6	49	-	-	-	1,848	1,848	-	43	43
STRAIN/SPRAIN	-	-	18	18	18	3	21	-	-	-	330	330	-	18	18
MULTIPLE INJURIES	-	-	7	7	7	1	8	-	-	-	101	101	-	14	14
UNCLASSIFIED (NO DATA)	-	-	2	2	2	2	4	-	-	-	46	46	-	23	23
TOTAL OR AVERAGE	-	-	121	122	122	45	167	-	-	3,000	5,919	5,919	3,000	24	49
TOE(S):															
CONTUSION OR BRUISE	-	-	2	2	2	4	6	-	-	-	2	2	-	1	1
CUT OR PUNCTURE	-	-	2	2	2	2	4	-	-	-	144	144	-	72	72
FRACTURE	-	-	18	18	18	6	24	-	-	-	422	422	-	23	23
MULTIPLE INJURIES	-	-	2	2	2	1	3	-	-	-	24	24	-	12	12
TOTAL OR AVERAGE	-	-	24	24	24	13	37	-	-	-	592	592	-	25	25
LOWER EXTREMITIES, NEC:															
BURN/SCALD (NOT CHEM.)	-	-	3	3	3	3	6	-	-	-	30	30	-	10	10
CHEMICAL BURN	-	-	1	1	1	1	2	-	-	-	5	5	-	5	5
CONTUSION OR BRUISE	-	-	10	11	11	6	17	-	-	900	1,239	1,239	900	34	113
CUT OR PUNCTURE	-	-	4	4	4	15	19	-	-	-	27	27	-	7	7
FRACTURE	-	-	12	13	13	1	14	-	-	1,200	2,190	2,190	1,200	82	168
SCRATCH/ABRASION	-	-	2	2	2	2	2	-	-	-	25	25	-	12	12
STRAIN/SPRAIN	-	-	13	13	13	5	18	-	-	-	157	157	-	19	19
MULTIPLE INJURIES	-	-	11	11	11	5	16	-	-	-	205	205	-	21	21
UNCLASSIFIED (NO DATA)	-	-	2	2	2	2	2	-	-	-	42	42	-	31	31
TOTAL OR AVERAGE	-	-	58	60	60	36	96	-	-	2,100	3,920	3,920	1,050	65	65
BODY SYSTEMS:															
ASPHYXIATION/SUFFOCATING	3	-	6	6	9	2	11	18,000	-	-	24	24	-	4	2,003
ELECTRIC SHOCK	1	-	3	3	4	1	5	6,000	-	-	34	34	-	11	1,508
HEAT/SUNSTROKE	-	-	-	-	-	2	2	-	-	-	-	-	-	4	4
POISONING (SYSTEMIC)	-	-	15	15	15	18	33	-	-	-	64	64	-	5	862
TOTAL OR AVERAGE	4	-	24	24	28	23	51	24,000	-	-	122	122	-	-	-

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, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY			
	FATAL	JFIDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT		TOTAL NFDL					TOTAL		TOTAL NFDL					TOTAL FATAL AND 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 SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - 1 - - - - - 3 - - 4	- - - - 1 - - - 2 - - 3	6 8 8 3 10 1 1 37 81 3 6 164	6 8 8 3 11 1 1 37 83 3 6 167	6 8 9 3 11 1 1 37 86 3 6 171	7 5 14 8 1 - - 22 22 6 6 84	13 13 23 8 4 11 3 108 5 12 255	- 6,000 - - - - - 18,000 - - 24,000 -	- - - - 1,800 - 4,200 - - 6,000 -	385 206 107 46 973 33 3 1,068 2,967 29 95 11,912	- - - - 1,800 - - 2,100 - 2,000 -	64 26 13 15 97 33 3 29 37 10 16 36	64 26 13 15 97 33 3 29 37 10 16 210			
UNCLASSIFIED: CUT OR PUNCTURE DERMATITIS TOTAL OR AVERAGE	- - - -	- - - -	- 1 1 1	- 1 1 1	- 1 1 1	1 1 1 2	- - - -	- 30 30 -	- 30 30 -	- 30 30 -	- 30 30 -	- - - -	30 30 30 -	30 30 30 -		
TOTAL OR AVERAGE:	3	24	6	24	24	2	24	18,000	13,235	24	13,235	551	4	24	551	
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 ELECT. BURN (CONTACT) FRACTURE HEAT/SUNSTROKE HERNIA (NOT DISC) POISONING (SYSTEMIC) RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - 2 - - - - 1 - - - - - 39 - - - - 4 - 11	- - - - 2 - - - - - - - - - - - - - - 4 - 82	24 6 28 32 5 243 194 4 20 19 3 2 258 4 15 12 25 1,056 214 29 49	24 6 28 32 5 247 194 4 21 19 3 2 265 43 15 12 25 1,100 222 30 49	2 9 28 72 2 183 779 8 11 72 4 200 43 18 15 25 417 108 14 36	24 11 97 104 7 430 973 32 5 465 2 44 33 27 61 1,517 330 45 85	18,000 - - 12,000 - 6,000 - - - - - - - - - - - - - - 66,000	13,235 - - 3,900 - 900 - 6,900 1,950 - - - - - - - - - - 39,485	24 666 389 49 4,834 2,300 76 777 152 34 53 11,474 134 64 48 155 32,411 6,243 1,651 62,064	551 - - - 1,950 900 - - - - - 986 50 - - - 1,138 1,912 400 482	4 24 12 10 20 12 12 19 38 8 11 26 44 34 4 4 6 30 29 15 34 27	551 2,003 24 12 10 84 12 12 19 80 8 1,508 26 63 48 4 4 6 34 171 221 34 71				

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

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 TOOC		NONCOVERED 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:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT JO:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPAIRMENT		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:																						
ALASKA	-	2	-	-	-	-	-	-	-	-	-	2	6	-	-	-	-	-	-	-	15	56
ARIZONA	-	16	-	1	-	-	-	-	-	-	-	20	17	-	-	-	-	-	-	-	109	7
CALIFORNIA	-	5	-	-	-	-	-	-	-	-	15	12	1	1	-	-	-	-	-	-	55	33
COLORADO	-	12	-	4	-	-	-	-	-	-	31	29	25	8	-	-	-	-	-	-	136	93
IDAHO	-	11	-	1	-	-	-	-	-	-	6	6	10	7	-	-	-	-	-	-	63	48
MICHIGAN	-	6	-	-	-	-	-	-	-	-	17	11	6	12	-	-	-	-	-	-	20	45
MISSOURI	-	5	-	3	-	-	-	-	-	-	4	4	1	2	-	-	-	-	-	-	64	41
MONTANA	-	3	-	-	-	-	-	-	-	-	6	4	1	2	-	-	-	-	-	-	15	16
NEVADA	-	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	5	5
NEW MEXICO	-	3	-	-	-	-	-	-	-	-	7	10	5	5	-	-	-	-	-	-	47	51
NEW YORK	-	1	-	-	-	-	-	-	-	-	4	3	6	14	-	-	-	-	-	-	47	48
OREGON	-	4	-	1	-	-	-	-	-	-	3	3	1	1	-	-	-	-	-	-	8	10
SOUTH DAKOTA	-	2	-	-	-	-	-	-	-	-	3	9	4	5	-	-	-	-	-	-	21	36
TENNESSEE	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	1	-	-	-	-	-	-	-	-	118	107	2	109	7	5	1	3	5	2	636	498
TOTAL	1	77	39	1	5	5	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE AT LG:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	-	-	5	2
ARIZONA	-	1	-	-	-	-	-	-	-	-	4	1	1	1	-	-	-	-	-	-	11	12
CALIFORNIA	-	2	-	-	-	-	-	-	-	-	2	2	3	1	-	-	-	-	-	-	10	11
COLORADO	-	3	-	-	-	-	-	-	-	-	1	4	1	1	-	-	-	-	-	-	9	6
IDAHO	-	2	-	-	-	-	-	-	-	-	2	4	2	2	-	-	-	-	-	-	11	7
MICHIGAN	-	-	-	-	-	-	-	-	-	-	2	4	1	1	-	-	-	-	-	-	5	7
MISSOURI	-	-	-	-	-	-	-	-	-	-	2	2	1	1	-	-	-	-	-	-	11	7
MONTANA	-	-	-	-	-	-	-	-	-	-	2	2	1	1	-	-	-	-	-	-	5	7
NEVADA	-	-	-	-	-	-	-	-	-	-	2	1	1	1	-	-	-	-	-	-	1	2
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	3	1	1	1	-	-	-	-	-	-	1	1
OREGON	-	-	-	-	-	-	-	-	-	-	3	1	1	1	-	-	-	-	-	-	6	3
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	1	1
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	8	1	-	-	-	-	-	-	-	17	20	-	17	7	4	1	1	1	4	91	79
TOTAL UNDERGROUND:																						
ALASKA	-	2	-	-	-	-	-	-	-	-	2	11	9	18	1	-	-	-	-	-	20	68
ARIZONA	-	17	-	1	-	-	-	-	-	-	24	11	1	1	-	-	-	-	-	-	120	4
CALIFORNIA	-	3	-	-	-	-	-	-	-	-	17	16	1	1	-	-	-	-	-	-	10	4
COLORADO	-	8	-	-	-	-	-	-	-	-	31	32	15	8	-	-	-	-	-	-	65	44
IDAHO	-	14	-	4	-	-	-	-	-	-	6	4	12	7	-	-	-	-	-	-	72	57
MICHIGAN	-	11	-	-	-	-	-	-	-	-	19	15	11	12	-	-	-	-	-	-	27	27
MISSOURI	-	6	-	3	-	-	-	-	-	-	6	6	5	5	-	-	-	-	-	-	16	15
MONTANA	-	5	-	-	-	-	-	-	-	-	10	10	1	1	-	-	-	-	-	-	28	17
NEVADA	-	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	3	3
NEW MEXICO	-	3	-	-	-	-	-	-	-	-	10	4	6	6	-	-	-	-	-	-	54	57
NEW YORK	-	1	-	-	-	-	-	-	-	-	5	5	1	1	-	-	-	-	-	-	9	10
OREGON	-	4	-	1	-	-	-	-	-	-	7	7	1	1	-	-	-	-	-	-	23	45
SOUTH DAKOTA	-	6	-	-	-	-	-	-	-	-	3	3	3	5	-	-	-	-	-	-	23	1
TENNESSEE	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	1	-	-	-	-	-	-	-	-	135	127	2	126	11	6	1	4	6	8	727	577
TOTAL	1	85	40	1	6	5	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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
SURFACE MINES:																						
OPEN PIT:																						
ALASKA		6										3		7							25	9
ARIZONA	16	4									11		30								103	127
CALIFORNIA	14	5									3		10								50	25
COLORADO													4								13	6
IDAHO											2		2								64	9
MICHIGAN	4	1									4		21								34	34
MINNESOTA	10	1									7		2								11	11
MONTANA	1	2									1		3								8	8
NEVADA	11										22		59								283	156
NEW MEXICO	30	3									5		4								19	36
NEW YORK	5										1										1	1
OREGON	1										1		2								6	7
SOUTH CAROLINA											1		1								2	2
SOUTH DAKOTA											1		8								3	3
TEXAS	2	2									3		4								24	53
UTAH											1										8	1
WYOMING											1										1	1
TOTAL	89	31									83	65	180	74		18	5		16	17	664	489
DREDGE:																						
ALASKA											4		4								17	3
CALIFORNIA											1		2								3	25
FLORIDA											1	10	6								11	27
TOTAL											6	20	12	4		1	2				31	55
TOTAL SURFACE:																						
ALASKA		6									7	3	11	19							42	12
ARIZONA	16	4									11	16	30	8							103	127
CALIFORNIA	14	5									4	7	12	8							53	50
COLORADO													1								1	1
FLORIDA											1	10	6								13	27
IDAHO											2	1	1								13	6
MICHIGAN	4	1									4	1	21	2							64	9
MINNESOTA	10	1									17	7	27	8							96	34
MONTANA	1	2									3	1	3	1							9	11
NEVADA	30	3									31	22	59	17							283	156
NEW MEXICO	5										4	5	4	10							19	36
NEW YORK											1										1	1
OREGON	1										1		2								6	7
SOUTH CAROLINA											1		1								2	2
SOUTH DAKOTA											1		8								3	3
TEXAS	2	2									3	6	4								24	53
UTAH											1										8	1
WYOMING																					1	1
TOTAL	89	32									89	85	192	78		19	7		16	17	665	544

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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			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
TOTAL MINING:																																	
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	3	4	-	1	-	-	2	2	1	11	3	1	5	4	-	22	14	2	59	58	-	3	4	-	388	325	-	127	215	-	12	3	-
INDEPENDENT SHOPS:																																	
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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			
TOTAL MINING																																	
ALASKA	-	8	1	-	-	-	-	-	-	-	-	-	-	-	-	9	4	-	20	-	-	-	-	-	-	-	-	-	-	62	14		
ARIZONA	-	33	8	-	1	-	-	-	-	-	-	-	-	-	-	25	27	-	48	-	-	-	-	-	-	-	-	-	-	223	195		
CALIFORNIA	-	17	5	-	-	-	-	-	-	-	-	-	-	-	-	17	17	-	13	-	-	-	-	-	-	-	-	-	-	63	54		
COLORADO	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10	-	16	-	-	-	-	-	-	-	-	-	-	66	45		
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	33	-	30	-	-	-	-	-	-	-	-	-	-	11	27	
IDAHO	-	14	4	-	-	-	-	-	-	-	-	-	-	-	-	10	11	-	33	-	-	-	-	-	-	-	-	-	-	162	105		
MICHIGAN	-	15	2	-	-	-	-	-	-	-	-	-	-	-	-	17	7	-	27	-	-	-	-	-	-	-	-	-	-	96	63		
MINNESOTA	-	10	1	-	-	-	-	-	-	-	-	-	-	-	-	4	3	-	7	-	-	-	-	-	-	-	-	-	-	27	34		
MISSOURI	-	5	7	-	-	-	-	-	-	-	-	-	-	-	-	19	17	-	14	-	-	-	-	-	-	-	-	-	-	84	59		
MONTANA	-	6	8	-	-	-	-	-	-	-	-	-	-	-	-	37	28	-	64	-	-	-	-	-	-	-	-	-	-	267	171		
NEVADA	-	31	12	-	3	-	-	-	-	-	-	-	-	-	-	10	10	-	6	-	-	-	-	-	-	-	-	-	-	35	4		
NEW MEXICO	-	8	3	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	7	7		
NEW YORK	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	-	69	51		
OREGON	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12	-	6	-	-	-	-	-	-	-	-	-	-	53	2		
SOUTH CAROLINA	-	4	4	-	1	-	-	-	-	-	-	-	-	-	-	5	4	-	7	-	-	-	-	-	-	-	-	-	-	33	63		
SOUTH DAKOTA	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	9	-	-	-	-	-	-	-	-	-	-	22	45		
TENNESSEE	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	4	-	-	-	-	-	-	-	-	-	-	9	1		
TEXAS	-	4	3	-	-	-	-	-	-	-	-	-	-	-	-	3	9	-	5	-	-	-	-	-	-	-	-	-	-	23	23		
UTAH	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	7	-	-	-	-	-	-	-	-	-	-	2	2		
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	10	-	-	-	-	-	-	-	-	-	-	9	1		
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	4	-	-	-	-	-	-	-	-	-	-	23	23		
TOTAL	1	174	72	1	6	6	1	1	1	1	1	1	3	3	3	1	224	212	2	318	155	30	13	6	2	23	9	1	422	1	121		
INDEPENDENT SHOPS																																	
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	1	-	-	-	-	-	-	-	-	-	-	8	4		
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	7	7		
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	1	-	2	-	-	-	-	-	-	-	-	-	-	15	12		

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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			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
PROCESSING PLANTS:																																	
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL	1	5	-	-	-	-	-	4	2	-	1	-	1	1	3	-	-	-	-	-	-	2	3	-	379	351	-	112	202	-	12	6	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		EXPLOSION OR OF GAS OR DUST		IMPONDERMENT		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
PROCESSING PLANTS																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	131
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	54
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	44
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	24
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	19
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	19
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	54
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	15
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	126	174
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	176	14
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	41
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	157	109
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	40
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	2
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	4
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	4
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	4
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	10
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	146
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	71
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	10
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	26
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	17
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	11
TOTAL	36	25	-	-	3	1	-	-	-	-	77	144	214	109	22	10	-	-	13	26	892	903

TABLE 13. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1965 (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		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 MINES AND PLANTS:																						
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA-----	-	1	-	-	-	-	-	1	-	2	3	-	1	8	-	1	-	20	133	5	-	1
ARKANSAS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	27	-	-	
CALIFORNIA-----	-	1	-	-	-	-	1	2	-	-	-	-	3	3	-	-	18	24	4	88	3	
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	36	27	20	-	
FLORIDA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	19	8	9	-	
IDAHO-----	-	-	-	-	-	-	-	-	-	-	2	-	4	-	-	-	50	11	4	4	-	
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	29	19	21	-	
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	9	-	-	-	-	
MICHIGAN-----	-	-	-	-	-	-	-	3	-	-	3	2	-	-	-	-	2	21	11	12	-	
MINNESOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	42	22	22	-	
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	1	-	4	-	-	-	169	7	36	18	-	
MONTANA-----	-	-	-	-	-	-	-	-	-	-	3	1	-	-	-	-	33	20	7	14	-	
NEBRASKA-----	-	-	-	-	-	-	-	-	-	-	-	4	4	-	-	-	1	25	-	-	-	
NEVADA-----	-	-	-	-	-	-	-	3	-	-	-	2	3	-	-	-	151	90	47	71	-	
NEW JERSEY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	
NEW MEXICO-----	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	35	2	11	-	
NEW YORK-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
SOUTH CAROLINA-----	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	8	-	6	-	-	
SOUTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	1	1	4	-	-	-	23	11	14	-	-	
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	2	1	4	-	-	-	20	10	10	10	-	
TEXAS-----	-	-	-	-	-	-	-	1	-	-	1	1	1	-	-	-	30	47	10	24	-	
UTAH-----	-	-	-	-	-	-	-	-	-	-	1	1	4	-	-	-	24	46	12	29	-	
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	4	17	7	5	-	
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	1	-	
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	
TOTAL-----	1	8	4	1	5	4	1	12	3	2	5	7	22	14	2	58	782	560	241	425	24	5
OFFICE:																						
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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		8		1								5		20		2					57	
ARIZONA		36		10						2		44		67							237	
ARKANSAS		3		1								14		15							45	
CALIFORNIA		24		9								21		14							106	
COLORADO		8		6								20		18							81	
FLORIDA												10		7							12	
ILLINOIS		15		4						1		35		34							181	
INDIANA												17		5							3	
LOUISIANA		2		1								15		64							42	
MICHIGAN		20		2								26		72							270	
MINNESOTA		15		4								32		4							281	
MISSOURI		6		7								24		24							28	
MONTANA		9		8								23		48							115	
NEBRASKA												49		1							424	
NEVADA		34		19								11		10							8	
NEW JERSEY												14		3							48	
NEW MEXICO		8		3								1		10							6	
NEW YORK		2										1		1							3	
OREGON												1		1							6	
PENNSYLVANIA												1		1							1	
SOUTH CAROLINA		1		2								2		2							18	
SOUTH DAKOTA		4		5								12		8							60	
TENNESSEE		5		4								5		14							60	
TEXAS		2		4								26		15							58	
UTAH		4		2								22		14							134	
WASHINGTON		2		7								5		18							23	
WEST VIRGINIA												1		5							5	
WYOMING												1		1							13	
TOTAL	1	210	101	1	6	3	2		3		1	306	2	534	23	53	13	23	35	49	2,329	2,036
OFFICE:																						
ALASKA																					1	
ILLINOIS																					1	
MICHIGAN																					1	
MINNESOTA																					1	
MISSOURI																					1	
NEVADA																					1	
SOUTH DAKOTA																					1	
TOTAL																					11	10

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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		NONPOWDERED 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	1	8	1	4	6	4	1	12	3	2	6	7	2	58	5	7	787	586	244	425	24	9
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	8	1	4	6	4	1	12	3	2	6	7	2	58	5	7	787	586	244	425	24	9

TABLE 13. NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE. METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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 SWEEPING		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	1	210	1	5	3	2	-	-	3	-	306	357	2	535	265	53	23	13	23	37	51	11	2,340
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ARIZONA	8	38	-	-	-	-	-	-	-	-	44	14	-	67	-	2	-	-	-	4	8	-	
ARKANSAS	3	-	1	-	-	-	-	-	-	-	2	14	-	15	-	1	-	-	-	-	1	-	
CALIFORNIA	2	-	-	-	-	-	-	-	-	-	13	20	-	21	-	2	-	-	-	-	2	-	
COLORADO	8	-	-	-	-	-	-	-	-	-	19	10	-	18	-	3	-	-	-	-	1	-	
FLORIDA	-	-	-	-	-	-	-	-	-	-	38	35	-	34	-	-	-	-	-	-	-	-	
IDAHO	15	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ILLINOIS	-	-	-	-	-	-	-	-	-	-	5	17	-	5	-	-	-	-	-	-	-	-	
LOUISIANA	2	-	-	-	-	-	-	-	-	-	26	15	-	64	-	-	-	-	-	-	-	-	
MICHIGAN	10	-	-	-	-	-	-	-	-	-	32	20	-	72	-	-	-	-	-	-	-	-	
MINNESOTA	1	-	-	-	-	-	-	-	-	-	4	5	-	7	-	-	-	-	-	-	-	-	
MISSOURI	1	-	-	-	-	-	-	-	-	-	23	24	-	24	-	-	-	-	-	-	-	-	
MONTANA	1	-	-	-	-	-	-	-	-	-	49	48	-	103	-	-	-	-	-	-	-	-	
NEBRASKA	1	-	-	-	-	-	-	-	-	-	11	14	-	10	-	-	-	-	-	-	-	-	
NEVADA	19	-	-	-	-	-	-	-	-	-	11	1	-	3	-	-	-	-	-	-	-	-	
NEW JERSEY	3	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	
NEW MEXICO	1	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	
NEW YORK	1	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	
OREGON	1	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	
PENNSYLVANIA	1	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	
SOUTH CAROLINA	1	-	-	-	-	-	-	-	-	-	1	2	-	6	-	-	-	-	-	-	-	-	
SOUTH DAKOTA	1	-	-	-	-	-	-	-	-	-	1	5	-	9	-	-	-	-	-	-	-	-	
TENNESSEE	1	-	-	-	-	-	-	-	-	-	1	26	-	15	-	-	-	-	-	-	-	-	
TEXAS	1	-	-	-	-	-	-	-	-	-	3	9	-	14	-	-	-	-	-	-	-	-	
UTAH	2	-	-	-	-	-	-	-	-	-	3	3	-	5	-	-	-	-	-	-	-	-	
WASHINGTON	2	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	1	210	1	5	3	2	-	-	3	-	306	357	2	535	265	53	23	13	23	37	51	11	2,340

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, 1969

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPPED		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		NONPOWDERED 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:																						
ALASKA	-	-	-	-	-	-	7	-	-	-	-	106	28	-	-	-	3	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	1,140	-	-	-	-	62	511	-	-	-	1,271	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	64	-	-	-	-	74	3	-	-	-	20	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	195	-	-	-	325	-	-	-	-	-
IDAHO	-	-	-	-	-	-	1	-	-	-	-	16	131	-	-	-	1,083	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	10	-	-	-	-	30	64	-	-	-	715	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	106	6	-	-	-	52	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	26	168	-	-	-	161	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	60	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	732	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	7	-	-	-	-	40	215	-	-	-	4,602	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	77	89	-	-	-	74	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	30	-	-	-	5	6,000	1,229	9	6,000	559	12,000	4,114	-	-	-	8,553	-	1,745	-	-	49
SURFACE AT U.G.																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:																						
ALASKA	-	-	-	-	-	-	7	-	-	-	-	106	28	-	-	-	1,338	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	1,140	-	-	-	-	62	511	-	-	-	20	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	64	-	-	-	-	74	3	-	-	-	325	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	195	-	-	-	1,083	-	-	-	-	-
IDAHO	-	-	-	-	-	-	1	-	-	-	-	16	131	-	-	-	715	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	10	-	-	-	-	30	64	-	-	-	52	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	106	6	-	-	-	161	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	26	168	-	-	-	60	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	732	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	7	-	-	-	-	40	215	-	-	-	4,602	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	77	89	-	-	-	74	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	30	-	-	-	5	6,000	1,229	9	6,000	559	12,000	4,114	-	-	-	8,553	-	2,014	-	-	189

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, 1969 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		INMUNEMENT		INMUNATION		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:																						
ALASKA	-	5	-	-	-	-	-	-	-	-	-	32	-	66	-	42	-	-	-	-	6,000	141
ARIZONA	-	4,213	-	-	-	-	-	-	-	909	-	1,407	-	1,007	-	-	-	-	-	-	6,000	11,011
CALIFORNIA	-	158	-	25	-	-	-	-	-	-	-	275	-	360	-	2	-	-	-	-	6,000	163
COLORADO	-	240	-	-	-	-	-	-	-	-	-	2,371	6,000	3,660	-	31	-	-	-	-	6,000	1,301
IDAHO	-	324	-	-	-	-	-	-	-	3	-	83	-	319	-	6	-	-	-	9	6,000	10,250
MICHIGAN	-	631	-	-	-	-	-	-	-	-	-	11	-	166	-	-	-	-	-	19	6,000	1,731
MISSOURI	-	157	-	48	-	-	-	-	-	-	-	174	-	215	-	-	-	-	-	-	6,000	901
MONTANA	-	30	-	-	-	-	-	-	-	-	-	144	-	170	-	-	-	-	-	-	6,000	558
NEVADA	-	185	-	-	-	-	-	-	-	-	-	855	-	11	-	-	-	-	-	-	6,000	589
NEW MEXICO	-	39	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	3	6,000	1,440
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
OREGON	-	240	-	-	-	-	-	-	-	-	-	299	-	351	-	-	-	-	-	-	6,000	2,425
SOUTH DAKOTA	-	160	-	70	-	-	-	-	-	-	-	563	-	233	-	-	-	-	-	23	6,000	5,386
TENNESSEE	6,000	-	-	-	-	-	-	-	-	-	-	6	-	74	-	-	-	-	-	-	6,000	339
UTAH	-	31	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	428
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	6,464	6,000	208	-	-	-	-	-	912	-	6,172	12,000	6,861	-	150	-	2	-	54	48,000	37,117
SURFACE AT IG:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
ARIZONA	-	20	-	-	-	-	-	-	-	-	-	76	-	38	-	4	-	-	-	-	-	259
CALIFORNIA	-	490	-	-	-	-	-	-	-	-	-	5	-	115	-	-	-	-	-	-	-	495
COLORADO	-	197	-	-	-	-	-	-	-	-	-	25	-	-	-	6	-	-	-	-	-	343
IDAHO	-	88	-	-	-	-	-	-	-	-	-	-	-	94	-	6	-	-	-	-	-	180
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	45	-	13	-	-	-	-	-	-	-	388
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	3,018	-	16	-	-	-	-	-	-	-	165
MONTANA	-	-	-	-	-	-	-	-	-	-	-	7	-	33	-	-	-	-	-	-	-	3,095
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	162	-	190	-	-	-	-	-	-	-	13
OREGON	-	-	-	-	-	-	-	-	-	-	-	2	-	5	-	-	-	-	-	-	-	369
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	795	-	-	-	-	-	-	-	-	-	3,340	-	554	-	16	-	-	-	2	-	5,638
TOTAL UNDERGROUND:																						
ALASKA	-	5	-	-	-	-	-	-	-	-	-	32	-	104	-	4	-	-	-	-	6,000	185
ARIZONA	-	4,233	-	-	-	-	-	-	-	909	-	1,483	-	1,016	-	42	-	-	-	-	6,000	11,270
CALIFORNIA	-	493	-	25	-	-	-	-	-	-	-	5	-	11	-	-	-	-	-	-	6,000	558
COLORADO	-	355	-	-	-	-	-	-	-	-	-	250	6,000	475	-	8	-	-	-	-	6,000	1,644
IDAHO	-	328	-	-	-	-	-	-	-	3	-	2,371	-	3,660	-	37	-	-	-	9	6,000	10,430
MICHIGAN	-	631	-	-	-	-	-	-	-	-	-	83	-	413	-	6	-	-	-	-	6,000	2,119
MISSOURI	-	157	-	48	-	-	-	-	-	-	-	56	-	179	-	-	-	-	-	19	6,000	1,066
MONTANA	-	30	-	-	-	-	-	-	-	-	-	3,192	-	231	-	-	-	-	-	-	6,000	4,053
NEVADA	-	185	-	-	-	-	-	-	-	-	-	151	6,000	203	-	46	-	-	-	-	6,000	665
NEW MEXICO	-	39	-	-	-	-	-	-	-	-	-	855	-	11	-	-	-	-	-	3	6,000	1,445
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
OREGON	-	240	-	-	-	-	-	-	-	-	-	2	-	541	-	-	-	-	-	-	6,000	2,794
SOUTH DAKOTA	-	160	-	70	-	-	-	-	-	-	-	565	-	236	-	20	-	-	-	25	6,000	5,412
TENNESSEE	6,000	-	-	-	-	-	-	-	-	-	-	6	-	114	-	-	-	-	-	-	6,000	362
UTAH	-	31	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	473
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	7,259	6,000	208	-	-	-	-	-	912	-	9,512	12,000	7,415	-	166	-	2	-	56	48,000	42,755

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, 1989 (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		NONPOWERED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
SURFACE MINES:																						
OPEN PIT:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96	-	88	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	95	-	-	-	-	-	-	-	1,363	-	362	-	1
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	385	-	57	-	10
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	5	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,323	-	52	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	891	-	12	-	41
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	9	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,641	-	425	-	94
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	183	-	90	-	3
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	8	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	27	-	-	-	1	-	4,200	-	95	-	-	-	-	-	4	-	6,071	-	1,108	-	149
DREDGE:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	4	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	165	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128	-	169	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117	-	92	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	95	-	-	-	-	-	-	-	1,363	-	362	-	1
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	385	-	57	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	165	-	10
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	5	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,323	-	52	-	41
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	891	-	12	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	9	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,641	-	425	-	94
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	183	-	90	-	3
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	8	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	27	-	-	-	1	-	4,200	-	95	-	-	-	-	-	4	-	6,199	-	1,277	-	149

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, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPAIRMENT		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
SURFACE MINES:																						
OPEN PIT																						
ALASKA		90										156	86									516
ARIZONA		702										425	907									4,077
CALIFORNIA		583										29	170									1,264
COLORADO												11	169									227
IDAHO												347	684									2,756
MICHIGAN		244										6,000	1,102									3,271
MONTANA		789											31									77
NEVADA		16											1,787									9,942
NEW MEXICO		414											263									1,904
NEW YORK		160										13										13
OREGON		2,850																				2,850
SOUTH CAROLINA												32	7									44
SOUTH DAKOTA												161										184
TEXAS												124	160									34
UTAH		43										32	80									491
WYOMING																						152
TOTAL		5,901										6,000	4,123									27,804
DREDGE																						
ALASKA												43	27									98
CALIFORNIA												4	107									111
FLORIDA												5	169									446
TOTAL												52	303									655
TOTAL SURFACE																						
ALASKA		90										199	113									614
ARIZONA		702										425	907									4,077
CALIFORNIA		583										33	277									1,375
COLORADO													2									2
FLORIDA												5	169									446
IDAHO												11	684									227
MICHIGAN		244										347	684									2,756
MONTANA		789											31									3,271
NEVADA		16											1,787									9,942
NEW MEXICO		414											263									1,904
NEW YORK		160										13										13
OREGON		2,850																				2,850
SOUTH CAROLINA												32	7									44
SOUTH DAKOTA												161										184
TEXAS												124	160									34
UTAH		43										32	80									491
WYOMING																						152
TOTAL		5,901										6,000	4,175									28,459

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, 1989 (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		NONWEAVERED 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	-	-	-	-	-	-	-	7	-	-	-	-	28	-	-	-	-	-	92	-	-	-
ARIZONA	-	-	-	-	-	-	1,140	64	-	95	-	6,000	511	-	-	-	-	769	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	6,000	-	-	-	-	62	3	-	-	-	-	57	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	195	-	-	-	-	32	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	165	-	-	-	-
IDAH0	-	-	-	-	-	-	-	1	-	-	-	-	2,659	-	-	-	-	123	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	10	-	-	-	-	131	-	-	-	-	319	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,057	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	891	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	141	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	4,200	-	-	-	-	64	-	-	-	-	200	-	-	-	-
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	168	-	-	-	-	541	-	-	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	115	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	57	-	27	-	6	6,000	5,429	6,000	104	559	12,000	4,114	-	122	-	15,154	-	3,291	-	-	314
INDEPENDENT SHOPS:																						
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	45	-	-	-	-	-	-	-	58	-	-	-	-	-	-	-	65	-	-	-	-
ARKANSAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	436	-	-	-	-
CALIFORNIA	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAH0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	268	-	-	-	-
MINNESOTA	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,688	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,059	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	261	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	796	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-
NEW YORK	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	193	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	413	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-	-	-
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
TEXAS	-	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	742	-	-	-	-
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	232	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-
TOTAL	-	86	-	10	-	1	6,000	-	6,000	58	-	-	-	-	19	-	9,819	-	3,209	-	-	553

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, 1989 (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	-	95	-	-	-	-	-	-	-	909	-	231	-	217	-	7	-	-	-	-	-	799	
ARIZONA	-	4,935	-	-	-	-	-	-	-	-	1,908	-	1,923	-	73	-	-	-	-	-	-	15,347	
CALIFORNIA	-	1,086	-	25	-	-	-	-	-	-	38	-	288	-	14	-	3	-	-	-	-	2,033	
COLORADO	-	355	-	-	-	-	-	-	-	-	250	-	6,000	477	8	-	-	-	-	-	-	1,646	
FLORIDA	-	-	-	-	-	-	-	-	-	-	5	-	-	169	-	-	-	-	-	-	-	446	
IDAH0	-	328	-	-	-	-	-	-	-	3	2,382	-	-	3,830	-	37	-	-	9	-	-	10,557	
MICHIGAN	-	568	-	-	-	-	-	-	-	-	430	-	-	1,097	-	111	-	-	20	-	-	4,875	
MINNESOTA	-	789	-	-	-	-	-	-	-	-	395	-	-	1,102	-	31	-	-	10	-	-	3,271	
MISSOURI	-	631	-	-	-	-	-	-	-	-	56	-	-	179	-	-	-	-	-	-	-	1,066	
MONTANA	-	173	-	-	-	-	-	-	-	-	3,192	-	-	262	-	-	-	-	-	-	-	4,130	
NEVADA	-	444	-	48	-	-	-	-	-	-	1,370	-	6,000	1,990	142	-	2	-	-	-	-	10,607	
NEW MEXICO	-	345	-	-	-	-	-	-	-	-	2,033	-	-	467	-	-	-	-	66	-	-	3,349	
NEW YORK	-	39	-	-	-	-	-	-	-	-	13	-	-	11	-	-	-	-	3	-	-	65	
OREGON	-	2,850	-	-	-	-	-	-	-	-	2	-	-	7	-	-	-	-	-	-	-	2,865	
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	32	-	-	541	-	2	-	-	-	-	-	44	
SOUTH DAKOTA	-	240	-	70	-	-	-	-	-	-	622	-	-	238	-	20	-	-	-	-	-	2,978	
TEXAS	6,000	160	-	-	-	-	-	-	-	-	565	-	-	238	-	-	-	-	25	-	-	5,412	
UTAH	-	91	-	65	-	-	-	-	-	-	124	-	-	174	-	80	-	-	32	-	-	34	
WASHINGTON	-	31	-	-	-	-	-	-	-	-	6	-	-	114	-	3	-	-	16	-	-	853	
WYOMING	-	-	-	-	-	-	-	-	-	-	32	-	-	80	-	-	-	-	-	-	-	264	
TOTAL	6,000	13,160	6,000	208	-	-	-	-	-	912	6,000	13,687	12,000	13,166	528	-	5	-	371	-	54,000	71,214	
INDEPENDENT SHOPS:																							
MICHIGAN	-	-	-	-	-	-	-	-	-	-	32	-	-	6	-	9	-	-	-	-	-	70	
MINNESOTA	-	-	-	-	-	-	-	-	-	-	8	-	-	23	-	-	-	-	-	-	-	180	
TOTAL	-	-	-	-	-	-	-	-	-	-	40	-	-	29	-	9	-	-	-	-	-	250	
PROCESSING PLANTS:																							
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	
ARIZONA	-	55	-	-	-	-	-	-	-	-	194	-	-	586	-	3	-	22	-	-	-	2,155	
ARKANSAS	-	554	-	-	-	29	-	-	-	-	4	-	-	233	-	7	-	-	99	-	-	1,825	
CALIFORNIA	-	158	-	-	-	16	-	-	-	-	-	-	-	44	-	-	-	-	8	-	-	534	
COLORADO	-	-	-	-	-	-	-	-	-	-	312	-	-	51	-	2	-	-	-	-	-	461	
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	-	37	
IDAH0	-	1	-	-	-	-	-	-	-	-	1,162	-	-	38	-	74	-	2	-	-	-	1,536	
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	73	
LOUISIANA	-	132	-	-	-	-	-	-	-	-	214	-	-	43	-	-	-	-	-	-	-	906	
MICHIGAN	-	301	-	-	-	-	-	-	-	-	306	-	-	1,327	-	245	-	203	-	-	-	5,792	
MINNESOTA	-	185	-	-	-	-	-	-	-	-	237	-	-	1,042	-	10	-	16	-	-	-	4,525	
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	6	
MONTANA	-	22	-	-	-	-	-	-	-	-	27	-	-	533	-	-	-	-	-	-	-	943	
NEBRASKA	-	-	-	-	-	-	-	-	-	-	72	-	-	-	-	-	-	-	-	-	-	72	
NEVADA	-	400	-	-	-	2	-	-	-	-	300	-	-	1,043	-	67	-	3	-	-	-	3,001	
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	75	
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	300	-	-	48	-	13	-	-	-	-	-	568	
NEW YORK	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-	454	
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-	-	-	-	-	-	155	
SOUTH DAKOTA	-	30	-	-	-	-	-	-	-	-	-	-	-	150	-	22	-	-	2	-	-	177	
TENNESSEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	177	
TEXAS	-	219	-	-	-	-	-	-	-	-	3,000	-	-	971	-	5	-	260	-	-	-	3,110	
UTAH	-	-	-	-	-	-	-	-	-	-	1	-	-	126	-	82	-	-	38	-	-	2,752	
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	166	-	-	-	-	1	-	-	464	
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	
TOTAL	-	2,103	-	-	47	-	-	-	-	-	6,220	-	-	6,568	-	553	-	506	-	197	-	12,000	29,949

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, 1989 (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		NONPOWDERED 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-----	-	45	-	-	-	-	-	7	-	153	-	106	28	511	-	4	-	177	-	92	-	-
ARIZONA-----	-	-	-	-	-	-	-	1,140	-	-	-	-	6,000	-	-	-	-	3,849	-	834	-	-
ARKANSAS-----	-	-	-	-	-	-	6,000	-	-	-	-	62	3	-	-	-	-	476	-	436	-	-
CALIFORNIA-----	-	2	-	-	-	-	-	-	-	-	-	-	199	-	-	-	-	515	-	188	-	1
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	421	-	32	-	-
FLORIDA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	165	-	-
IDAHO-----	-	-	-	-	-	-	-	1	6,000	1	74	-	2,659	-	-	-	-	1,264	-	318	-	10
ILLINOIS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	268	-	249	-	-
MICHIGAN-----	-	-	-	-	-	-	-	10	-	-	16	-	131	-	-	-	-	4,746	-	892	-	278
MINNESOTA-----	-	33	-	-	-	-	-	-	6,000	-	-	-	-	-	-	-	-	3,078	-	782	-	220
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-	147	-	29	-	-
MONTANA-----	-	-	-	-	-	5	-	-	-	8	106	-	64	-	-	-	-	461	-	155	-	15
NEBRASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA-----	-	-	27	-	8	4,201	-	-	-	-	26	-	6	-	-	-	-	2,497	-	676	-	306
NEW JERSEY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	168	-	-	-	-	381	-	115	-	3
NEW YORK-----	-	32	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	13	-	23	-	-
OREGON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	413	-	-	-	-
PENNSYLVANIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	-	-	-	-
SOUTH CAROLINA-----	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	765	-	661	-	34
SOUTH DAKOTA-----	-	22	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-	4,055	-	349	-	-
TENNESSEE-----	-	-	-	-	-	-	-	-	-	-	40	-	39	-	-	-	-	743	-	515	-	-
TEXAS-----	6,000	1	-	-	-	-	-	7	-	-	-	-	215	-	-	-	-	370	-	21	-	-
UTAH-----	-	-	-	-	2	-	-	-	-	-	77	-	89	-	-	-	-	79	-	9	-	-
WASHINGTON-----	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	30	-	2	-	-
WEST VIRGINIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	5,000	143	27	-	16	5,430	6,000	5,430	12,000	162	559	-	4,114	-	-	-	25,102	-	6,543	-	867	-
OFFICE:																						
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
MICHIGAN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	-	15	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	-	15	-	-

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, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		IMMIGRATION		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	-	95	-	-	-	-	-	-	-	-	-	231	-	217	-	-	-	-	-	-	-	854
ARIZONA	-	4,990	-	-	-	-	-	-	-	-	-	2,102	-	2,519	-	-	-	-	-	-	-	17,502
ARKANSAS	-	1,564	-	-	-	-	-	-	-	-	-	4	-	233	-	-	-	-	-	-	-	1,825
CALIFORNIA	-	1,244	-	-	-	-	-	-	-	-	-	129	-	332	-	-	-	-	-	-	-	2,567
COLORADO	-	355	-	-	-	-	-	-	-	-	-	562	-	328	-	-	-	-	-	-	-	2,107
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	5	-	206	-	-	-	-	-	-	-	483
IDAHO	-	329	-	-	-	-	-	-	-	-	-	3,544	-	3,868	-	-	-	-	-	-	-	12,193
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	73
LOUISIANA	-	132	-	-	-	-	-	-	-	-	-	214	-	43	-	-	-	-	-	-	-	906
MICHIGAN	-	869	-	-	-	-	-	-	-	-	-	768	-	2,430	-	-	-	-	-	-	-	10,737
MINNESOTA	-	974	-	-	-	-	-	-	-	-	-	540	-	2,167	-	-	-	-	-	-	-	7,976
MISSOURI	-	631	-	-	-	-	-	-	-	-	-	56	-	179	-	-	-	-	-	-	-	1,072
MONTANA	-	195	-	-	-	-	-	-	-	-	-	3,219	-	795	-	-	-	-	-	-	-	5,073
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	72	-	-	-	-	-	-	-	-	-	72
NEVADA	-	844	-	-	-	-	-	-	-	-	-	1,670	-	3,033	-	-	-	-	-	-	-	13,608
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	75
NEW MEXICO	-	345	-	-	-	-	-	-	-	-	-	2,333	-	515	-	-	-	-	-	-	-	3,908
NEW YORK	-	85	-	-	-	-	-	-	-	-	-	13	-	11	-	-	-	-	-	-	-	134
OREGON	-	2,850	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2,855
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-	454
SOUTH CAROLINA	-	30	-	-	-	-	-	-	-	-	-	22	-	64	-	-	-	-	-	-	-	186
SOUTH DAKOTA	-	240	-	-	-	-	-	-	-	-	-	622	-	681	-	-	-	-	-	-	-	3,155
TENNESSEE	-	150	-	-	-	-	-	-	-	-	-	3,965	-	238	-	-	-	-	-	-	-	8,522
TEXAS	-	219	-	-	-	-	-	-	-	-	-	2	-	971	-	-	-	-	-	-	-	2,786
UTAH	-	91	-	-	-	-	-	-	-	-	-	124	-	300	-	-	-	-	-	-	-	1,317
WASHINGTON	-	31	-	-	-	-	-	-	-	-	-	6	-	114	-	-	-	-	-	-	-	473
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	166	-	-	-	-	-	-	-	200
WYOMING	-	-	-	-	-	-	-	-	-	-	-	32	-	81	-	-	-	-	-	-	-	277
TOTAL	6,000	15,263	6,000	208	47	-	-	-	912	-	6,000	19,947	12,000	19,763	1,090	-	511	-	568	-	65,000	101,413
OFFICE:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	15
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136

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, 1989 (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		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																						
ALASKA	-	-	-	-	-	-	-	7	-	153	-	106	-	28	-	-	180	-	-	92	-	-
ARIZONA	-	45	-	-	-	-	1,140	-	-	-	-	5,000	511	-	-	4	3,849	-	-	834	-	-
ARIZONA	-	-	-	-	-	-	64	-	-	-	62	-	3	-	-	-	476	-	-	436	-	-
CALIFORNIA	-	2	-	-	-	-	-	-	-	-	-	-	199	-	-	-	515	-	-	188	-	1
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	421	-	-	32	-	-
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	-	165	-	-
IDAHO	-	-	-	-	-	-	1	-	6,000	1	74	-	2,659	-	-	-	1,264	-	-	318	-	10
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	10	-	-	-	16	-	-	-	-	-	268	-	-	249	-	-
MICHIGAN	-	-	-	-	-	-	-	-	-	-	-	-	131	-	-	-	4,761	-	-	892	-	278
MINNESOTA	-	33	-	-	-	-	-	-	5,000	-	-	-	-	-	-	-	3,078	-	-	782	-	220
MISSOURI	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-	-	147	-	-	70	-	-
MONTANA	-	-	-	-	-	-	-	-	-	8	106	-	64	-	-	-	461	-	-	155	-	15
NEBRASKA	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	3	-	4,201	-	-	-	25	-	6	-	-	-	2,583	-	-	691	-	306
NEW JERSEY	-	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-	-	-	-
NEW MEXICO	-	32	-	-	-	-	-	-	-	-	-	-	168	-	-	-	261	-	-	115	-	3
NEW YORK	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	233	-	-
OREGON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	413	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	-	-	-	-	-
SOUTH DAKOTA	-	8	-	-	-	-	-	-	-	-	22	-	-	-	-	-	765	-	-	561	-	34
TENNESSEE	-	24	-	-	-	-	-	-	-	-	40	-	39	-	-	-	4,055	-	-	349	-	-
TEXAS	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	743	-	-	515	-	-
UTAH	-	-	-	-	-	-	7	-	-	-	77	-	215	-	-	-	570	-	-	21	-	-
WASHINGTON	-	-	-	-	2	-	-	-	-	-	-	-	85	-	-	-	79	-	-	9	-	-
WEST VIRGINIA	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	30	-	-	2	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-
TOTAL	6,000	143	-	27	16	6,000	5,430	12,000	162	-	559	12,000	4,114	-	-	141	25,206	-	-	6,556	-	867

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, 1989 (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	-	95	-	-	-	29	-	-	-	909	-	231	-	217	-	7	-	-	-	-	6,000	857
ARIZONA	-	4,990	-	25	-	16	-	-	-	-	-	2,102	-	2,519	-	76	-	22	-	188	-	17,502
ARKANSAS	-	554	-	-	-	-	-	-	-	-	-	4	-	233	-	7	-	-	-	99	-	1,826
CALIFORNIA	-	1,244	-	-	-	-	-	-	-	-	-	129	-	332	-	14	-	3	-	10	-	2,567
COLORADO	-	355	-	-	-	-	-	-	-	-	-	562	-	528	-	10	-	-	-	-	-	2,107
FLORIDA	-	-	-	-	-	-	-	-	-	-	-	5	-	206	-	-	-	-	-	-	-	483
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	3,544	-	3,888	-	111	-	2	-	9	-	12,193
IDAHO	-	329	-	-	-	-	-	-	-	3	-	-	-	11	-	-	-	-	-	-	-	73
ILLINOIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	306
LOUISIANA	-	132	-	-	-	-	-	-	-	-	-	214	-	43	-	-	-	-	-	20	-	965
MICHIGAN	-	869	-	-	-	-	-	-	-	-	-	768	-	2,430	-	365	-	203	-	-	-	10,752
MINNESOTA	-	974	-	-	-	-	-	-	-	-	-	640	-	2,167	-	41	-	16	-	25	-	7,976
MISSOURI	-	631	-	-	-	-	-	-	-	-	-	36	-	179	-	-	-	-	-	-	-	1,072
MONTANA	-	195	-	-	-	-	-	-	-	-	-	3,219	-	795	-	-	-	2	-	-	-	5,073
NEBRASKA	-	-	-	-	-	-	-	-	-	-	-	72	-	-	-	-	-	-	-	-	-	12
NEVADA	-	844	-	-	-	2	-	-	-	-	-	1,670	-	3,038	-	209	-	3	-	112	-	13,726
NEW JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	75
NEW MEXICO	-	345	-	-	-	-	-	-	-	-	-	2,333	-	515	-	13	-	-	-	3	-	3,908
NEW YORK	-	85	-	-	-	-	-	-	-	-	-	13	-	11	-	-	-	-	-	-	-	134
OREGON	-	2,650	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2,865
PENNSYLVANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	454
SOUTH CAROLINA	-	30	-	-	-	-	-	-	-	-	-	32	-	41	-	2	-	-	-	2	-	199
SOUTH DAKOTA	-	240	-	6,000	-	-	-	-	-	-	-	622	-	651	-	42	-	-	-	-	-	3,155
TENNESSEE	-	160	-	-	-	-	-	-	-	-	-	3,565	-	238	-	23	-	-	-	25	-	8,522
TEXAS	6,000	219	-	-	-	-	-	-	-	-	-	2	-	971	-	5	-	260	-	70	-	2,796
UTAH	-	91	-	-	-	-	-	-	-	-	-	124	-	300	-	162	-	-	-	17	-	1,317
WASHINGTON	-	31	-	65	-	-	-	-	-	-	-	6	-	114	-	3	-	-	-	-	-	433
WEST VIRGINIA	-	-	-	-	-	-	-	-	-	-	-	-	-	166	-	-	-	-	-	-	-	200
WYOMING	-	-	-	-	-	-	-	-	-	-	-	32	-	61	-	-	-	-	-	-	-	277
TOTAL	6,000	15,263	6,000	206	-	47	-	-	-	912	6,000	19,947	12,000	19,766	-	1,090	-	511	-	580	66,000	101,549

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, 1989

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREAKING AGENTS		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	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND																						
COPPER	-	1	-	-	-	-	4	1	-	2	4	3	16	14	-	-	25	19	-	13	-	1
GOLD	-	1	-	-	-	-	2	1	-	-	8	4	15	11	-	-	47	27	-	18	-	3
IRON	-	-	-	-	-	-	1	-	-	-	5	2	6	12	-	-	1	3	-	2	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	20	-	10	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5	-	2	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	1	-	-
SILVER	-	-	-	-	-	-	2	1	-	-	5	3	15	14	-	-	37	25	-	11	-	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	3	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	2	-	-	-	1	9	2	4	2	22	14	58	58	-	1	155	102	-	55	-	3
SURFACE AT UG:																						
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	26	-	2	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7	-	7	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	2	-	1	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	4	-	1	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	1	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	1	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	1	-	-
TOTAL	-	1	-	1	-	-	-	-	-	-	-	-	-	-	2	2	25	26	-	11	-	1
TOTAL UNDERGROUND:																						
COPPER	-	1	-	-	-	-	4	1	-	-	4	3	16	14	-	-	25	21	-	13	-	1
GOLD	-	2	-	-	-	-	2	1	-	-	8	4	15	11	-	-	33	39	-	23	-	3
IRON	-	-	-	-	-	-	1	-	-	-	5	2	6	12	-	-	1	3	-	10	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	27	-	2	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	7	-	5	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	2	-	-
SILVER	-	-	-	-	-	-	2	1	2	-	5	3	15	14	-	-	47	26	-	12	-	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6	-	2	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	2	-	1	-	1	9	2	4	2	22	14	58	58	-	2	184	128	-	55	-	4
SURFACE MINES:																						
OPEN PIT:																						
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	-	1	-	-	-	-	2	1	-	-	-	-	-	-	-	-	40	88	-	10	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	70	-	8	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	16	-	2	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	2	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	2	-	5	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	2	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	1	-	-	-	1	2	1	1	2	-	-	-	-	1	1	206	180	-	57	-	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, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		INFREQUENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OF BUMPING		OTHER		TOTAL	
	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI
UNDERGROUND MINES																						
UNDERGROUND																						
COPPER	26	5	1	5	1	1			2		15	35	20	10	2	3	1	1	1	1	130	28
GOLD	14	2									37	16	30	16		3	1				187	39
IRON	1	1									14	21	20	21		1					104	106
LEAD-ZINC	1	1									5	4	1	2					2		27	27
NICKEL	3	2									5	4	1	2							10	10
PLATINUM	15	4									31	26	1	13							147	116
SILVER	2	1									11	5	1	2							25	16
TUNGSTEN																						
URANIUM																						
VANADIUM																						
TOTAL	77	29	1	5	1	5			3		118	107	2	109	70	5	1	5	2	5	636	498
SURFACE MINES																						
UNDERGROUND																						
COPPER	1	1									2	4	2	6							14	25
GOLD	1	1									3	1	1	1							31	15
IRON	1	1									3	1	1	1							16	13
LEAD-ZINC	1	1									2	1	1	1							10	6
NICKEL	1	1									1	1	1	1							5	7
PLATINUM	1	1									1	1	1	1							5	7
SILVER	1	1									1	1	1	1							5	7
TUNGSTEN	1	1									1	1	1	1							5	7
URANIUM	1	1									1	1	1	1							5	7
VANADIUM	1	1									1	1	1	1							5	7
TOTAL	8	8									17	20	17	17							91	72
SURFACE MINES																						
UNDERGROUND																						
COPPER	22	5		5					2		12	29	23	10							144	85
GOLD	17	11									46	25	38	23							218	203
IRON	1	1									17	11	22	22							122	70
LEAD-ZINC	1	1									7	4	9	9							33	10
NICKEL	4	1									3	3	2	13							10	13
PLATINUM	1	1									11	6	1	1							166	123
SILVER	15	4									33	38	28	13							27	29
TUNGSTEN	3	1									11	9	1	3							27	29
URANIUM	3	1									11	9	1	3							27	29
VANADIUM	3	1									11	9	1	3							27	29
TOTAL	83	40	1	6	1	5			3		135	127	2	135	77	11	4	5	8	7	727	577
SURFACE MINES																						
UNDERGROUND																						
COPPER	17	10									17	28	28	10							177	204
GOLD	51	17									33	28	33	12							263	212
IRON	1	1									1	1	1	1							5	5
LEAD-ZINC	1	1									1	1	1	1							5	5
NICKEL	1	1									1	1	1	1							5	5
PLATINUM	1	1									1	1	1	1							5	5
SILVER	1	1									1	1	1	1							5	5
TUNGSTEN	1	1									1	1	1	1							5	5
URANIUM	1	1									1	1	1	1							5	5
VANADIUM	1	1									1	1	1	1							5	5
TOTAL	88	31									83	83	43	18					15	17	584	489

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, 1989 (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		HAND TOOL		NONPROTECTED 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SURFACE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDEPENDENT SHOPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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, 1989 (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		HANGING MATERIAL		HAND TOOL		NONPOTTERED TRAILAGE	
	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL
PROCESSING PLANTS:																						
ALUMINUM ORE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	89	25	53	-	-
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	91	5	53	-	-
GOLD	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	59	20	20	49	3	3
IRON	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125	34	49	26	8	1
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	16	4	4	-	-
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	9	2	4	-	-
MERCURY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
NICKEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	8	3	1	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	4	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	10	1	1	-	-
TITANIUM	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	5	-	-	4	2	1	1	1	3	-	-	-	-	2	3	379	351	112	282	-	12
TOTAL MINES AND PLANTS:																						
ALUMINUM ORE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	89	25	53	-	-
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114	201	28	103	-	-
GOLD	-	2	-	-	3	-	-	-	-	-	-	-	-	-	-	-	237	203	80	141	-	-
IRON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	193	57	51	43	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	44	14	31	-	-
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	18	6	12	-	-
NICKEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	2	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	31	19	24	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	11	4	4	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16	3	10	-	-
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-
TUNGSTEN	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	8	4	-	5	4	1	12	3	2	6	7	22	14	2	58	782	580	241	425	-	24
OFFICE:																						
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	3	1	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	3	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, 1989 (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
PROCESSING PLANTS																						
ALUMINUM ORE																						
BERYL		6																			128	253
COPPER		1																			88	277
GOLD		15																			230	232
IRON		10																			311	94
LEAD-ZINC																					23	26
MANGANESE																					5	2
MERCURY																						
MOLYBDENUM																					16	21
PLATINUM																					1	2
RARE EARTHS																					9	2
SILVER																					29	19
TITANIUM																					1	2
URANIUM																					26	20
VANADIUM																					7	1
ZIRCON																					8	1
TOTAL	36	29			3	1					77	144	214	109	22	10	11	17	13	26	892	903
TOTAL MINES AND PLANTS:																						
ALUMINUM ORE																						
BERYL		6																			128	253
COPPER		45	20																		369	516
GOLD		83	41	1		2															759	642
IRON		25	6																		486	158
LEAD-ZINC		1	18																		145	108
MANGANESE																					5	2
MERCURY																						
MOLYBDENUM																					62	60
PLATINUM																					11	20
RARE EARTHS																					10	3
SILVER		24	7																		242	151
TITANIUM																					12	29
TUNGSTEN																					61	48
URANIUM		3	1																		7	2
VANADIUM																					8	
ZIRCON																						
TOTAL	1	210	101	1	6	3	2		3		306	357	534	264	53	23	13	23	35	49	2,329	2,036
OFFICE:																						
COPPER																					1	5
GOLD																					9	3
IRON																					1	1
LEAD-ZINC																						
MANGANESE																						
TOTAL																			2	2	11	10

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, 1989 (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	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			
GRAND TOTAL:	1	210	101	1	6	6	3	2	-	-	-	-	3	-	-	306	357	2	535	265	-	53	23	-	13	23	-	51	11	2,340	2,046		
ALUMINUM ORE	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	7	54	-	30	27	-	-	-	-	-	-	-	-	-	-			
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
COPPER	-	45	20	-	-	-	-	-	-	-	-	-	-	-	-	48	62	-	86	82	-	-	-	-	-	-	-	-	-	-			
GOLD	-	83	41	1	5	1	2	-	-	-	-	-	2	-	-	111	112	1	168	79	-	9	7	-	1	4	-	6	10	21	4		
IRON	-	25	6	-	-	-	-	-	-	-	-	-	-	-	-	54	27	-	126	17	-	18	12	-	4	7	-	19	2	2	2		
LEAD-ZINC	1	18	14	-	-	-	-	-	-	-	-	-	-	-	-	18	13	-	27	25	-	1	1	-	6	1	-	3	1	1	1		
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MERCURY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MOLYBDENUM	-	4	3	-	-	-	-	-	-	-	-	-	-	-	-	11	16	-	17	4	-	-	-	-	-	-	-	-	-	-	-		
PLATINUM	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6	-	2	4	-	-	-	-	-	-	-	-	-	-	-		
RARE EARTHS	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SILVER	-	24	7	-	1	3	-	-	-	-	-	-	1	-	-	30	40	1	50	18	-	-	-	-	-	-	-	-	-	-	-		
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	10	-	7	1	-	-	-	-	-	-	-	-	-	-	-		
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	12	-	10	5	-	-	-	-	-	-	-	-	-	-	-		
URANIUM	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-		
VANADIUM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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, 1969

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPPED		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	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	-	-	-	-	-	-	6,000	1,150	-	-	-	122	556	-	-	-	-	1,770	-	253	-	49
GOLD	-	8	-	-	-	-	-	64	-	-	-	283	187	6,000	-	-	-	1,160	1,065	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	5	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	1	-	-	-	118	81	-	-	-	-	4,513	315	-	-	-
MOLYBDENUM	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	204	48	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-
SILVER	-	-	-	-	5	-	-	14	-	-	36	42	2,658	6,000	-	-	-	746	117	-	-	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	550	-	-	-	-	89	2	-	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	30	-	-	5	-	6,000	1,229	9	-	559	12,000	4,114	-	-	-	8,553	-	1,745	-	49	-
SURFACE AT LG:																						
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	142	-	170	-	116
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	79	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	18	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	150	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	112	-	77	1	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	27	-	-	-	-	-	-	-	-	-	-	-	118	-	402	268	-	116	-
TOTAL UNDERGROUND:																						
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,912	-	423	-	116
GOLD	-	8	-	-	-	-	6,000	1,150	7	-	-	122	556	6,000	-	-	-	1,193	1,065	-	49	-
IRON	-	-	-	-	-	-	-	64	-	-	-	283	187	-	-	-	-	20	23	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	1	-	-	-	118	81	-	-	6	-	4,663	315	-	-	-
MOLYBDENUM	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	204	48	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-
SILVER	-	-	-	-	5	-	-	-	-	-	36	42	2,658	6,000	-	-	-	837	118	-	-	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	550	-	-	-	-	89	2	-	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	30	-	27	5	-	6,000	1,229	9	-	559	12,000	4,114	-	-	118	-	8,955	2,014	-	165	-
SURFACE MINES:																						
OPEN PIT:																						
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	-	27	-	-	-	-	-	4,200	95	-	-	-	-	-	-	-	-	1,595	458	-	3	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,855	493	-	72	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,216	64	-	41	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	-	10	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	363	88	-	23	-
URANIUM	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-
TOTAL	-	27	-	-	1	-	-	4,200	95	-	-	-	-	-	-	4	-	6,071	1,108	-	149	-

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, 1989 (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	-	4,505	-	-	-	-	-	-	-	909	-	1,375	-	1,155	-	48	-	-	-	11	-	11,855
GOLD	-	507	-	183	-	-	-	-	-	-	-	553	-	991	-	69	-	2	-	8	-	5,077
IRON	-	16	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	51
LEAD-ZINC	-	895	-	-	-	-	-	-	-	-	-	2,579	-	2,629	-	2	-	-	-	32	-	11,185
MOLYBDENUM	-	45	-	-	-	-	-	-	-	-	-	177	-	154	-	-	-	-	-	-	-	646
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	127	-	154	-	-	-	-	-	-	-	359
SILVER	-	288	-	25	-	-	-	-	-	3	-	498	-	1,537	-	31	-	-	-	-	-	5,956
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	3	-	31
URANIUM	-	208	-	-	-	-	-	-	-	-	-	861	-	204	-	-	-	-	-	-	-	1,917
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	6,454	-	208	-	-	-	-	-	912	-	6,172	12,000	6,861	-	150	-	2	-	54	-	48,000
SURFACE AT UC:																						
COPPER	-	20	-	-	-	-	-	-	-	-	-	70	-	94	-	-	-	-	-	-	-	612
GOLD	-	587	-	-	-	-	-	-	-	-	-	3,194	-	315	-	-	-	-	-	-	-	4,218
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
LEAD-ZINC	-	88	-	-	-	-	-	-	-	-	-	47	-	28	-	-	-	-	-	2	-	321
MOLYBDENUM	-	85	-	-	-	-	-	-	-	-	-	6	-	85	-	6	-	-	-	-	-	162
SILVER	-	5	-	-	-	-	-	-	-	-	-	23	-	32	-	10	-	-	-	-	-	170
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117
TOTAL	-	795	-	-	-	-	-	-	-	-	-	3,340	-	554	-	16	-	-	-	2	-	5,638
TOTAL UNDERGROUND:																						
COPPER	-	4,525	-	-	-	-	-	-	-	909	-	1,446	-	1,249	-	48	-	-	-	11	-	12,457
GOLD	-	1,104	-	183	-	-	-	-	-	-	-	3,747	-	1,305	-	69	-	2	-	8	-	9,255
IRON	-	16	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	69
LEAD-ZINC	-	983	-	-	-	-	-	-	-	-	-	2,626	-	2,657	-	-	-	-	-	34	-	11,506
MOLYBDENUM	-	130	-	-	-	-	-	-	-	-	-	183	-	255	-	8	-	-	-	-	-	828
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	127	-	154	-	-	-	-	-	-	-	359
SILVER	-	288	-	25	-	-	-	-	-	3	-	522	-	1,569	-	41	-	-	-	-	-	6,166
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	31
URANIUM	-	213	-	-	-	-	-	-	-	-	-	861	-	204	-	-	-	-	-	3	-	2,034
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	7,259	-	208	-	-	-	-	-	912	-	9,512	12,000	7,415	-	166	-	2	-	56	-	48,000
SURFACE MINES:																						
OPEN PIT:																						
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	850	-	-	-	-	-	-	-	-	-	1,726	-	1,330	-	111	-	-	-	202	-	6,307
GOLD	-	3,790	-	-	-	-	-	-	-	-	-	1,524	-	1,655	-	107	-	3	-	70	-	13,864
IRON	-	1,033	-	-	-	-	-	-	-	-	-	756	-	1,785	-	136	-	-	-	43	-	6,075
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	43	-	267	-	-	-	-	-	-	-	327
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	48
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	282	-	5	-	-	-	-	-	1,031
SILVER	-	228	-	-	-	-	-	-	-	-	-	32	-	80	-	-	-	-	-	-	-	152
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,901	-	-	-	-	-	-	-	-	-	6,000	4,123	5,448	-	359	-	3	-	315	-	27,804

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, 1989 (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		HAND TOOL		NONPOWDERED FALLOUT	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
OREDECK:																						
GOLD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	4	-	-
TITANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	-	165	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128	-	-	169	-	-
TOTAL SURFACE:																						
BERYL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	459	-	3
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	497	-	72
GOLD-----	-	-	-	-	-	-	4,200	-	-	95	-	-	-	-	-	-	1,595	-	-	64	-	41
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,216	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	4	-	10
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	363	-	-	88	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	-	165	-	23
TITANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-	-
URANIUM-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	27	-	-	-	1	4,200	-	-	95	-	-	-	-	4	-	6,199	-	1,277	-	149	-
TOTAL MINING:																						
BERYL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	882	-	119
COPPER-----	-	-	-	-	-	-	1,150	-	-	-	-	-	-	-	-	-	3,507	-	-	1,582	-	121
GOLD-----	-	-	-	-	-	-	4,264	-	-	102	-	-	556	-	-	-	3,069	-	-	87	-	41
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	187	-	-	-	2,236	-	-	315	-	-
LEAD-ZINC-----	-	-	-	-	-	-	1	-	-	-	-	-	81	-	-	-	4,663	-	-	52	-	10
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	42	-	-	-	207	-	-	-	-	-
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-
RARE EARTHS-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	14	-	-	-	-	-	2,698	-	-	-	1,186	-	-	206	-	23
TITANIUM-----	-	-	-	-	-	-	-	-	6,000	2	-	-	-	-	-	-	107	-	-	165	-	-
TUNGSTEN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM-----	-	-	-	-	-	1	-	-	-	-	-	-	550	-	-	-	128	-	-	2	-	-
VANADIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	57	-	27	-	6	6,000	5,429	6,000	104	-	559	12,000	4,114	122	-	15,154	-	3,291	-	314	-
INDEPENDENT SHOPS:																						
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-

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, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOTTING		IGNITION OR EXPLOSION OF GAS OR DUST		EQUIPMENT		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	209	-
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	446	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	655	-
TOTAL SURFACE																						
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	202	-
GOLD	-	3,790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-
IRON	-	1,033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,901	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	315	-
TOTAL MINING																						
BERYL	-	5,375	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	4,894	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	-	1,049	-	183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRON	-	983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	516	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	5,000	13,166	6,000	208	-	-	-	-	912	-	6,000	13,687	12,000	13,166	-	528	-	5	-	371	54,000	71,214
INDEPENDENT SHOPS																						
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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, 1969 (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		HANDING 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	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,324	1,179	-	-	-	-
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-
COPPER	-	45	-	-	-	-	-	-	-	58	-	-	-	-	-	-	1,359	65	-	-	197	-
GOLD	-	2	-	-	8	-	-	-	-	-	-	-	-	-	-	-	926	274	-	-	341	-
IRON	-	33	-	-	2	-	-	-	6,000	-	-	-	-	-	9	-	4,780	1,305	-	-	46	15
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	564	-	-	-	-	-
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	63	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	1	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	101	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	289	133	-	-	-	-
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	255	8	-	-	-	-
URANIUM	-	6	-	-	-	-	-	-	-	-	-	-	-	-	10	-	22	13	-	-	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-
ZIRCON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	86	-	-	10	-	1	6,000	58	-	-	-	-	-	19	-	9,819	3,209	-	-	553	-
TOTAL MINES AND PLANTS:																						
ALUMINUM ORE	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,324	1,179	-	-	-	-
BERYL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-
COPPER	-	72	-	-	-	-	-	-	58	-	-	-	-	-	-	-	4,866	947	-	-	119	-
GOLD	-	10	-	-	8	-	1,150	4,255	102	-	122	556	187	-	4	-	3,957	1,856	-	-	318	-
IRON	-	33	-	-	2	-	6,000	-	6,000	-	283	6,000	187	-	9	-	7,145	1,455	-	-	382	-
LEAD-ZINC	-	22	-	-	-	-	1	-	-	-	118	81	-	-	6	-	5,277	363	-	-	15	-
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	115	-	-	10	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	277	-	-	-	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	101	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	339	-	-	-	-
TITANIUM	-	-	-	-	-	-	14	-	2	-	36	2,698	-	-	-	-	1,485	165	-	-	23	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	107	-	-	-	-	-
URANIUM	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	10	-	-	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	383	13	-	-	-	-
ZIRCON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-
TOTAL	6,000	143	-	27	16	6,000	5,430	162	12,000	558	12,000	4,114	-	-	141	-	25,102	6,543	-	-	867	-
OFFICE:																						
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	15	-	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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, 1969 (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 KNEELLING 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-----	-	902	-	-	-	16	-	-	-	-	-	218	-	1,155	-	5	-	260	-	137	6,000	5,195
BERYL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	2,831
COPPER-----	-	2	-	-	-	29	-	-	-	-	-	527	-	646	-	84	-	22	-	44	-	4,268
GOLD-----	-	645	-	-	-	2	-	-	-	-	-	715	-	1,410	-	69	-	3	-	-	5,000	10,508
IRON-----	-	508	-	-	-	-	-	-	-	-	-	536	-	2,535	-	295	-	219	-	15	-	3,692
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	3,000	-	-	-	23	-	-	-	-	-	83
MANGANESE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	40
MERCURY-----	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	87	-	-	-	-	-	306
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	-	-	-	-	-	1
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	1	-	154
RARE EARTHS-----	-	23	-	-	-	-	-	-	-	-	-	1,147	-	504	-	23	-	2	-	1	-	2,126
SILVER-----	-	20	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	-	37
TITANIUM-----	-	-	-	-	-	-	-	-	-	-	-	72	-	65	-	-	-	-	-	-	-	416
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-	-	-	-	-	-	111
VANADIUM-----	-	3	-	-	-	-	-	-	-	-	-	-	-	10	-	7	-	-	-	-	-	75
ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	2,103	-	-	-	47	-	-	-	-	-	6,220	-	5,568	-	553	-	506	-	157	12,000	28,945
TOTAL MINES AND PLANTS:																						
ALUMINUM ORE-----	-	902	-	-	-	16	-	-	-	-	-	218	-	1,155	-	5	-	260	-	137	6,000	5,195
BERYL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
COPPER-----	-	5,377	-	-	-	29	-	-	-	-	-	3,653	-	3,225	-	243	-	22	-	213	-	21,605
GOLD-----	-	5,526	-	-	-	2	-	-	-	-	-	6,033	-	4,505	-	248	-	8	-	122	-	27,666
IRON-----	-	1,557	-	-	-	-	-	-	-	-	-	1,332	-	4,360	-	400	-	219	-	56	-	16,950
LEAD-ZINC-----	6,000	983	-	-	-	-	-	-	-	-	-	5,626	-	2,698	-	23	-	-	-	34	6,000	15,198
MANGANESE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	63
MERCURY-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	-	-	-	-	-	40
MOLYBDENUM-----	-	130	-	-	-	-	-	-	-	-	-	237	-	557	-	-	-	-	-	-	-	1,461
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	-	127	-	154	-	-	-	-	-	1	-	350
RARE EARTHS-----	-	23	-	-	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-	1	-	202
SILVER-----	-	536	-	-	-	25	-	-	-	-	-	1,711	-	2,355	-	66	-	2	-	-	-	9,325
TITANIUM-----	-	-	-	-	-	-	-	-	-	-	-	5	-	206	-	-	-	-	-	-	-	483
TUNGSTEN-----	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	31
URANIUM-----	-	213	-	-	-	-	-	-	-	-	-	955	-	349	-	-	-	-	-	3	-	2,602
VANADIUM-----	-	3	-	-	-	-	-	-	-	-	-	-	-	66	-	7	-	-	-	-	-	111
ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	75
TOTAL-----	6,000	15,263	-	-	-	47	-	-	-	-	912	19,947	12,000	19,763	-	1,090	-	511	-	568	66,000	101,413
OFFICE:																						
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
GOLD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANGANESE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136

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, 1989 (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		NONORDERED 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	6,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,324	1,179	-	-	-	-
ALUMINUM ORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-
BERYL	-	72	-	-	-	-	-	-	-	58	-	-	556	-	-	-	4,866	947	-	119	-	-
COPPER	-	10	-	-	-	-	1,150	-	-	102	-	122	187	-	-	-	4,698	1,871	-	318	-	-
GOLD	-	33	-	-	8	-	4,265	-	-	-	283	-	-	-	-	-	7,145	1,455	-	362	-	-
IRON	-	22	-	-	2	-	-	-	-	-	-	-	81	-	-	-	5,230	363	-	15	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	-	-	-	-
MERCURY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	277	-	-	10	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-
PLATINUM	-	-	-	-	5	-	-	-	-	-	-	-	42	-	-	-	24	-	-	101	-	-
RARE EARTHS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,485	-	-	339	-	-
SILVER	-	-	-	-	-	-	14	-	-	2	36	-	2,698	-	-	-	107	-	-	165	-	-
TANTALUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	10	-	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	383	-	-	13	-	-
URANIUM	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-
VANADIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	-	-	-	-
ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6,000	143	-	27	16	-	6,000	5,430	12,000	162	559	12,000	4,114	-	-	141	25,206	6,556	-	957	-	-

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, 1985 (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	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL
GRAND TOTAL	5,000	15,263	5,000	208	-	47	-	-	-	912	5,000	19,947	12,000	19,768	-	1,090	-	511	-	580	66,000	101,549
ALUMINUM ORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BERYL	-	902	-	-	-	16	-	-	-	-	218	-	1,155	-	-	-	-	-	-	-	5,000	5,195
COBALT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	5,377	-	-	-	29	-	-	-	909	3,693	-	3,230	-	-	-	-	-	-	-	-	-
GOLD	-	5,530	5,000	183	-	2	-	-	-	-	6,033	-	4,505	-	-	-	-	-	-	-	24,000	21,794
IRON	-	1,557	-	-	-	-	-	-	-	-	1,132	-	4,360	5,000	-	-	-	-	-	-	12,000	16,952
LEAD-ZINC	5,000	983	-	-	-	-	-	-	-	-	5,626	-	2,699	-	-	-	-	-	-	-	5,000	15,201
MANGANESE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NIOBENUM	-	130	-	-	-	-	-	-	-	-	237	-	597	-	-	-	-	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	127	-	154	-	-	-	-	-	-	-	5,000	360
RARE EARTHS	-	23	-	-	-	-	-	-	-	-	-	-	53	-	-	-	-	-	-	-	-	-
SILVER	-	535	-	25	-	-	-	-	3	-	1,711	-	2,355	5,000	-	-	-	-	-	-	12,000	9,325
TITANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TUNGSTEN	-	-	-	-	-	-	-	-	-	-	5	-	11	-	-	-	-	-	-	-	-	-
URANIUM	-	213	-	-	-	-	-	-	-	-	985	-	349	-	-	-	-	-	-	-	-	-
VANADIUM	-	3	-	-	-	-	-	-	-	-	-	-	66	-	-	-	-	-	-	-	-	-
ZINC	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-
TOTAL	5,000	15,263	5,000	208	-	47	-	-	-	912	5,000	19,947	12,000	19,768	-	1,090	-	511	-	580	66,000	101,549

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, 1989

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY		
	FATAL	NFIL			TOTAL FATAL AND NFIL	NFIL	FATAL	TOTAL INJURIES	NFIL	TOTAL FATAL AND NFIL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPORARY	TOTAL									
UNDERGROUND MINES:													
UNDERGROUND:													
BELTMAN/SCOP OPR	-	4	4	4	4	-	6	2	209	209	-	52	52
BULLDOZER/MOBILE EQUIP	-	4	4	4	4	-	5	1	138	138	-	34	34
CLEANUP/VENTILATION	-	3	3	3	3	-	4	1	78	78	-	26	26
DRILL OPERATOR	-	32	32	32	32	-	57	25	692	692	-	22	22
ELECTRICIAN	-	7	8	8	8	-	12	4	578	578	450	18	113
FRONT END LOADER	-	2	2	2	2	-	2	-	226	226	-	-	-
HAIL DUMP	1	14	14	15	15	-	26	11	653	653	-	50	445
HOLST/CAGE SKIP	1	7	7	8	8	-	16	8	235	235	-	42	787
LABORER	1	66	70	71	71	-	136	7	6,000	6,000	1,012	22	171
LOADING MACH. OPR	-	4	4	4	4	-	7	3	63	63	-	16	57
MECHANIC/MAINTENANCE	-	63	67	67	67	-	141	14	3,795	3,795	340	28	22
MINE	4	281	285	286	286	-	484	185	39,335	39,335	584	22	134
MINING MACH. OPR	-	9	9	9	9	-	19	10	198	198	-	22	22
POWERMAN/BLASTER	-	12	13	13	13	-	22	9	1,423	1,423	1,140	24	109
RAIL TRANS. AND HAIL	-	3	5	5	5	-	8	2	3,654	3,654	625	26	69
ROCK/ROOF BOLTER	-	5	5	5	5	-	14	7	132	132	-	30	26
SUPERVISOR/FOREMAN	-	12	12	12	12	-	34	22	361	361	-	10	10
TECH./PROP./CLERICAL	-	3	3	3	3	-	10	3	29	29	-	12	12
TIMBERMAN/JACKSETTER	-	3	3	3	3	-	3	2	35	35	-	28	28
TRUCK DRIVER	-	4	4	4	4	-	6	3	112	112	-	28	28
WELDER/MACHINIST	-	-	-	-	-	-	8	7	1,800	1,800	1,800	-	1,800
N.E.C. OR UNKNOWN	1	-	23	24	24	-	48	24	540	540	-	23	272
TOTAL OR AVERAGE	8	28	508	544	544	-	1,142	498	18,850	37,117	673	30	132
SURFACE AT UNDERGROUND:													
BULLDOZER/MOBILE EQUIP	-	1	1	1	1	-	4	3	27	27	-	27	27
CAR DUMP/CRIZZY/SCREEN	-	1	1	1	1	-	1	-	1	1	-	1	1
DRILL OPERATOR	-	1	1	1	1	-	1	-	10	10	-	3	3
ELECTRICIAN	-	3	3	3	3	-	6	2	2	2	-	2	2
FRONT END LOADER	-	1	1	1	1	-	3	3	193	193	-	15	15
HOLST/CAGE SKIP	-	13	13	13	13	-	22	9	877	877	50	27	27
LABORER	-	31	32	32	32	-	63	31	851	851	50	71	71
MECHANIC/MAINTENANCE	-	12	12	12	12	-	14	2	50	50	50	13	50
MINE	-	1	1	1	1	-	1	2	3,013	3,013	3,000	13	1,506
POWERMAN/BLASTER	-	1	2	2	2	-	4	1	121	121	-	60	60
PREP. PLANT OPR	-	2	2	2	2	-	6	4	61	61	-	20	20
RAIL TRANS. AND HAIL	-	3	3	3	3	-	4	4	288	288	-	28	28
SUPERVISOR/FOREMAN	-	10	10	10	10	-	18	8	143	143	-	16	16
TECH./PROP./CLERICAL	-	9	9	9	9	-	15	6	5,638	5,638	1,033	29	62
TRUCK DRIVER	-	-	-	-	-	-	-	-	-	-	-	-	-
WELDER/MACHINIST	-	-	-	-	-	-	-	-	-	-	-	-	-
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	88	91	91	91	-	170	79	2,538	5,638	1,033	29	62

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, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	LOST WORKDAYS					AVERAGE SEVERITY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	FATAL	NFDL			TOTAL FATAL AND NFDL				TOTAL INJURIES	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		TOTAL	PARTIAL	TEMPO- RARY							TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL				NFDL		TOTAL FATAL AND NFDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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TOTAL OR AVERAGE, U.S.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERM- NENT PARTIAL	TEMP- RARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMP- RARY	TOTAL NFIL				TOTAL	PARTIAL	TOTAL NFIL				
DRIDGE	-	-	-	-	3	-	-	-	-	3	-	2		
BULLDOZER/MOBILE EQUIP.	-	-	-	-	11	-	-	-	-	11	-	14		
DRIDGE/BARGE/BOAT	-	-	-	-	2	-	-	-	-	2	-	28		
ELECTRICIAN	-	-	-	-	1	-	-	-	-	1	-	30		
FRONT END LOADER	-	-	-	-	1	-	-	-	-	1	-	100		
HOLST/CAGE/SKIP	-	-	-	-	1	-	-	-	-	1	-	2		
LADDER	-	-	-	-	35	-	-	-	-	35	-	17		
MECHANIC/MAINTENANCE	-	-	-	-	2	-	-	-	-	2	-	4		
MINER	-	-	-	-	1	-	-	-	-	1	-	3		
PREP PLANT OPR	-	-	-	-	1	-	-	-	-	1	-	2		
SUPERVISOR/FOREMAN	-	-	-	-	1	-	-	-	-	1	-	12		
TECH/PROF/CLERICAL	-	-	-	-	5	-	-	-	-	5	-	21		
WELDER/MACHINIST	-	-	-	-	86	-	-	-	-	86	-	20		
N.E.C. OR UNKNOWN	-	-	-	-	55	-	-	-	-	55	-	50		
TOTAL OR AVERAGE	-	-	-	-	55	-	-	-	-	55	-	50		
TOTAL OR AVERAGE, SURFACE	-	-	-	-	3	-	-	-	-	3	-	24		
BELTWAY/BOOM OPR	-	-	-	-	69	-	-	-	-	69	-	18		
BULLDOZER/MOBILE EQUIP	-	-	-	-	4	-	-	-	-	4	-	19		
CLEANUP/VENTILATION	-	-	-	-	37	-	-	-	-	37	-	24		
DRAG/CRANE/SHOVEL OPR	-	-	-	-	11	-	-	-	-	11	-	14		
DRIDGE/BARGE/BOAT	-	-	-	-	24	-	-	-	-	24	-	16		
DRILL OPERATOR	-	-	-	-	1	-	-	-	-	1	-	42		
ELECTRICIAN	-	-	-	-	26	-	-	-	-	26	-	27		
FRONT END LOADER	-	-	-	-	149	-	-	-	-	149	-	1		
HOLST/CAGE/SKIP	-	-	-	-	80	-	-	-	-	80	-	19		
LADDER	-	-	-	-	403	-	-	-	-	403	-	31		
MECHANIC/MAINTENANCE	-	-	-	-	28	-	-	-	-	28	-	27		
MINER	-	-	-	-	17	-	-	-	-	17	-	32		
POWERMAN/BLASTER	-	-	-	-	5	-	-	-	-	5	-	30		
PREP PLANT OPR	-	-	-	-	10	-	-	-	-	10	-	30		
RAIL TRACS AND HAUL	-	-	-	-	46	-	-	-	-	46	-	30		
SUPERVISOR/FOREMAN	-	-	-	-	38	-	-	-	-	38	-	30		
TECH/PROF/CLERICAL	-	-	-	-	142	-	-	-	-	142	-	30		
TRUCK DRIVER	-	-	-	-	48	-	-	-	-	48	-	30		
WELDER/MACHINIST	-	-	-	-	1	-	-	-	-	1	-	30		
N.E.C. OR UNKNOWN	-	-	-	-	19	-	-	-	-	19	-	30		
TOTAL OR AVERAGE	-	-	-	-	55	-	-	-	-	55	-	27		

TABLE 17. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE, PER HRR LOCATION AND OCCUPATION AT TIME OF INJURY AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1959 (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			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		TOTAL	PERMANENT	PARTIAL				TOTAL	TEMPORARY	PARTIAL			
TOTAL OR AVERAGE MINING:													
BELTMAN/ROOM OPR	1	6	53	1	60	9	3	3,000	377	941	1	63	125
BULLDOZER/MOBILE EQUIP	-	4	4	4	12	78	4	-	97	614	1	-	1
CAR DUMP/GRZLLY/SCREEN	-	26	26	4	30	37	11	-	55	55	-	-	24
CLEANUP/VENTILATION	-	57	57	4	61	106	7	-	1,084	1,084	-	-	24
CRANE/CRAWLER/SHOULDER	-	33	33	35	68	61	49	-	1,603	1,603	-	-	14
DREDGE/CRANE/SHOULDER	-	20	20	20	40	31	26	-	689	689	-	-	14
DRIILL OPERATOR	-	14	14	7	21	26	11	-	693	693	-	-	19
ELECTRICIAN	-	167	167	7	174	307	12	-	9,091	9,091	-	-	46
FRONT END LOADER	-	12	12	4	16	20	7	-	5,150	5,150	-	-	34
HAUL DUMP	-	288	288	4	292	607	3	-	2,250	2,250	-	-	446
HOT/ST/CHOP/SHIP	-	308	308	9	317	526	134	-	9,479	9,479	-	-	787
LOADING/MACH. CR.	-	300	300	322	622	307	3	-	11,479	11,479	-	-	16
MACHINIC/MAINTENANCE	-	23	23	33	56	50	10	-	17,193	17,193	-	-	38
MINE	-	30	30	33	63	19	10	-	198	198	-	-	22
MINE/HIGH CR.	-	30	30	33	63	40	17	-	4,733	4,733	-	-	206
PUMPS, PLASTER	-	57	57	5	62	58	26	-	4,032	4,032	-	-	122
PREP. PLAN. CR.	-	32	32	24	56	33	9	-	1,875	1,875	-	-	64
RAIL TRAMP AND HAUL	-	3	3	3	6	14	9	-	3,090	3,090	-	-	26
ROCK/ADOF RATER	-	32	32	5	37	85	28	-	3,389	3,389	-	-	121
SUPERVISOR/FOREMAN	-	3	3	3	6	52	3	-	450	450	-	-	16
TECH. PROF./CLERICAL	-	104	107	36	147	152	45	-	1,900	1,900	-	-	12
TRUCK DRIVER	-	36	36	63	99	88	47	-	1,350	1,350	-	-	34
WELDER/MACHINIST	1	50	50	15	65	111	12	-	32,123	32,123	-	-	17
N.E.C. OR UNKNOWN	9	1,431	1,431	15	1,446	2,552	15	54,000	71,214	71,214	642	125,214	88
TOTAL OR AVERAGE													
INDEPENDENT SHOPS:													
ELECTRICIAN	-	1	1	1	3	5	4	-	6	6	-	-	6
LABORER	-	4	4	4	12	5	1	-	39	39	-	-	10
MACHINIC/MAINTENANCE	-	7	7	7	21	8	1	-	170	170	-	-	24
TECH. PROF./CLERICAL	-	2	2	2	6	4	1	-	3	3	-	-	2
WELDER/MACHINIST	-	1	1	1	3	4	3	-	32	32	-	-	32
N.E.C. OR UNKNOWN	-	15	15	15	45	27	12	-	250	250	-	-	17
TOTAL OR AVERAGE	-	15	15	15	45	27	12	-	250	250	-	-	17

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, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME 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	PERMANENT	PARTIAL					TOTAL
PROCESSING PLANTS:																
BELTWAY/BOOM OPR.	1	3	10	3	11	3	3	6,000	-	218	50	218	218	50	73	564
BUILDING/MOBILE EQUIP.	-	9	-	9	-	2	12	-	-	44	-	44	94	-	5	-
CLEANUP/VENTILATION	-	-	2	-	2	3	5	-	-	-	-	-	-	-	75	1
DRAW/CRANE/SHOVEL OPR.	-	1	1	1	1	1	1	-	-	150	-	150	150	-	1	-
DREDGE/DREDGE/BOAT	-	2	2	2	2	3	3	-	-	3	-	3	3	-	2	2
DRILL OPERATOR	-	37	37	37	38	32	70	6,000	-	1,116	-	1,116	1,116	-	30	187
ELECTRICIAN	1	6	6	6	6	1	7	-	-	290	-	290	290	-	48	48
FLOOR LAYING	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-
FLOOR LAYING	-	131	134	134	134	114	248	-	890	3,262	-	3,262	4,152	297	25	31
HANDLING	-	256	270	270	270	346	610	-	2,275	7,492	-	7,492	9,767	162	29	36
MAINTENANCE	-	4	4	4	4	4	4	-	-	106	-	106	106	-	26	26
MINER	-	285	300	300	300	279	575	-	4,150	6,899	-	6,899	11,049	296	24	37
PREP. PLANT OPR.	-	20	20	20	20	56	76	-	-	446	-	446	446	-	22	22
SUPERVISOR/FOREMAN	-	27	27	27	27	27	54	-	-	524	-	524	524	-	19	19
TECH./PROF./CLERICAL	-	14	14	14	14	4	18	-	-	531	-	531	531	-	38	38
TRUCK DRIVER	-	31	31	31	31	31	62	-	-	598	-	598	598	-	19	19
WELDER/MACHINIST	-	31	31	31	31	10	41	-	-	904	-	904	904	-	29	29
N.E.C. OR UNKNOWN	-	892	892	892	894	903	1,797	12,000	-	22,584	7,365	29,949	41,949	230	26	47
TOTAL OR AVERAGE	2															

TABLE 17. - NUMBERS OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE OF INJURY, LOCATION AND OCCUPATION AT TIME OF INJURY
AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY				
	FATAL	NFIL			TOTAL FATAL AND NFIL	NFI	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPO- RARY						TOTAL	PARTIAL	TOTAL NFIL				
			TOTAL	PARTIAL											
TOTAL OR AVERAGE	11	-	2,247	2,329	2,340	2,036	4,376	66,000	-	39,485	61,928	101,413	482	28	72
ALL MINES AND PLANTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BELT MAN/BOOM OP	-	-	1	-	1	-	1	-	-	-	1	1	-	1	1
BULLDOZER/MOBILE EQUIP	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-
CAR DUMP/GRIZZLY/SCREEN	-	-	4	-	4	-	4	-	-	-	-	-	-	-	-
CLEANUP/VENTILATION	-	-	28	-	28	-	28	-	-	-	97	97	-	97	97
DRAIN CRANE/SHOVEL OP	-	-	5	-	5	-	5	-	-	-	764	764	-	24	24
DREDGE/BARGE/BOAT	-	-	59	-	59	-	59	-	-	-	56	56	-	11	11
DRILL OPERATOR	-	-	73	-	73	-	73	-	-	-	1,087	1,087	-	18	18
ELECTRICIAN	-	-	26	-	26	-	26	-	-	-	2,725	2,725	-	31	31
FRONT END LOADER	-	-	14	-	14	-	14	-	-	-	979	979	-	38	38
HAUL DUMP	-	-	7	-	7	-	7	-	-	-	6,893	6,893	-	50	50
HOLIST/CRANE/SKIP	-	-	302	-	302	-	302	-	-	-	6,295	6,295	-	42	42
LABORER	-	-	8	-	8	-	8	-	-	-	7,242	7,242	-	16	16
LOADING MACH OP	-	-	4	-	4	-	4	-	-	-	63	63	-	24	24
MECHANIC/MAINTENANCE	-	-	26	-	26	-	26	-	-	-	16,891	16,891	-	16	16
MINER	-	-	14	-	14	-	14	-	-	-	21,416	21,416	-	37	37
MINING MACH OP	-	-	9	-	9	-	9	-	-	-	4,525	4,525	-	29	29
POWDERMAN/BLASTER	-	-	3	-	3	-	3	-	-	-	8,175	8,175	-	125	125
PREP PLANT OP	-	-	17	-	17	-	17	-	-	-	196	196	-	22	22
RAIL HANDS AND HAIL	-	-	3	-	3	-	3	-	-	-	543	543	-	27	27
ROCK/ROOF BOLTER	-	-	3	-	3	-	3	-	-	-	7,641	7,641	-	24	24
SUPERVISOR/FOREMAN	-	-	5	-	5	-	5	-	-	-	15,081	15,081	-	35	35
TECH/PROF/CLERICAL	-	-	52	-	52	-	52	-	-	-	3,962	3,962	-	26	26
TRUCK DRIVER	-	-	51	-	51	-	51	-	-	-	132	132	-	25	25
WELDER/MACHINIST	-	-	3	-	3	-	3	-	-	-	1,485	1,485	-	18	18
N.E.C. OR UNKNOWN	-	-	2	-	2	-	2	-	-	-	913	913	-	12	12
TOTAL OR AVERAGE	-	-	82	-	82	-	82	-	-	-	39,485	61,928	-	28	72
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LABORER	-	-	1	-	1	-	1	-	-	-	-	-	-	1	1
MINER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PREP PLANT OP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUPERVISOR/FOREMAN	-	-	1	-	1	-	1	-	-	-	8	8	-	8	8
TECH/PROF/CLERICAL	-	-	3	-	3	-	3	-	-	-	27	27	-	9	9
N.E.C. OR UNKNOWN	-	-	6	-	6	-	6	-	-	-	100	100	-	17	17
TOTAL OR AVERAGE	-	-	11	-	11	-	11	-	-	-	136	136	-	12	12

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, 1969 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL
		PERMANENT	TEMPORARY	TOTAL NFIDL					TOTAL	PARTIAL					
GRAND TOTAL OR AVERAGE:	11	2,258	2,340	2,351	4,397	2,046	66,000	-	39,485	101,549	482	27	167,549		
BELTMAN/ROOM OPR	2	-	9	9	12	3	12,000	-	-	595	-	66	13,035	66	
BULDOZER/MOBILE EQUIP	-	1	62	63	90	25	-	-	50	985	1	16	1,035	201	
CAR DUMP/GRIZZLY/SCREEN	-	-	1	1	1	6	-	-	-	1	-	1	-	1	
CLEANUP/VENTILATION	-	-	4	4	4	10	-	-	-	97	-	24	97	24	
CRACK/CRANE/SWING OPR	-	-	28	28	28	42	-	-	-	764	-	27	764	27	
CRACK/CRANE/ROCK	-	-	5	5	5	12	-	-	-	56	-	11	56	11	
DRILL OPERATOR	-	-	58	58	58	108	-	-	-	1,087	-	18	1,087	18	
ELECTRICIAN	1	2	71	73	74	136	6,000	-	500	2,725	250	31	8,775	31	
FRONT END LOADER	-	-	26	26	26	38	6,000	-	-	693	-	38	693	38	
HAIL DUMP	-	-	14	14	15	22	6,000	-	-	295	-	50	295	50	
HOLIST/CRACK/SKIP	1	-	7	7	8	56	6,000	-	-	7,243	-	42	19,283	42	
LABORER	1	8	303	311	312	7	-	-	6,040	63	-	16	21,416	16	
LOADING MACH OPR	-	26	551	577	577	1,225	-	-	4,525	16,891	31	22	41,299	31	
MECHANIC/MAINTENANCE	-	14	312	326	330	531	-	-	8,175	9,124	22	22	17,299	22	
MINER	4	-	9	9	9	15	-	-	-	198	-	27	198	27	
MINING MACH OPR	-	3	20	23	23	40	-	-	4,190	543	-	24	4,733	24	
POWERMAN/BLASTER	-	17	316	333	333	641	-	-	7,440	15,081	-	45	15,081	45	
RAIL PLANT OPR	-	3	57	60	60	93	-	-	1,875	3,862	625	35	3,862	625	
RAIL TRAMP AND HALL	-	-	5	5	5	14	-	-	-	132	-	26	132	26	
ROCK/ROOF/ROCK	-	-	53	55	55	163	-	-	3,090	4,593	1,545	28	4,593	28	
SUPERVISOR/FOREMAN	-	2	54	54	54	114	-	-	-	940	-	17	940	17	
TECH/PROP/CLERICAL	-	-	3	3	3	3	-	-	-	35	-	12	35	12	
TIMBERMAN/JACKSETTER	-	3	118	121	121	170	-	-	450	3,767	-	32	4,217	32	
TRUCK DRIVER	-	1	68	69	69	154	-	-	1,800	4,217	1,800	26	3,554	26	
WELDER/MACHINIST	-	2	99	101	102	164	-	-	1,350	2,476	1,350	25	3,826	25	
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE:	11	82	2,258	2,340	2,351	4,397	66,000	-	39,485	101,549	482	27	167,549	27	

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, 1989

WORK LOCATION AND ACCIDENT CLASSIFICATION	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
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL NFDL	TOTAL NFDL					
											TOTAL				
UNDERGROUND MINES: UNDERGROUND: ELECTRICAL----- EXPLODING VESSEL----- UNDER PRESSURE----- EXPLOSIVE AND BREAKING AGENT----- FALLING, ROLLING, OR SLIDING MATERIAL----- FALL OF FACE, RIB, SIDE OR HIGHWALL----- FALL OF ROOF (UNDER- GROUND MINES ONLY)----- FIRE----- HANDLING MATERIAL----- HAND TOOL----- NONPOWERED HAULAGE----- POWERED HAULAGE----- HOISTING----- IMMUNATION----- MACHINERY----- SLIP OR FALL OF PERSON----- STEPPING OR KNEELING ON OBJECT----- STRIKING OR BUMPING----- OTHER INJURIES----- TOTAL OR AVERAGE-----	- - - 1 1 - 2 - - - 2 - - 1 1 1 1 - 2 - - - 8	- - - 1 - - 2 - - - 9 - - 5 - 1 - 6 4 - - - 28	2 1 8 4 22 57 146 55 3 72 6 2 112 105 7 1 5 - - 608	2 1 9 4 22 59 155 55 3 77 6 3 118 109 7 1 5 - - 636	2 1 10 5 22 61 155 55 3 78 7 3 118 111 7 1 5 644	4 2 1 2 7 36 119 58 102 83 2 38 5 12 117 225 181 12 4 7 1,142	2 1 2 2 2 14 58 102 83 2 38 5 12 107 70 5 3 2 498	- - 6,000 6,000 - 12,000 - - - - 6,000 6,000 - - 12,000 - - - - 48,000	- - - 1,140 - - 2,400 4,225 - 3,585 - 900 3,550 3,050 - - - 18,850	30 5 89 9 559 1,714 4,328 1,746 49 6,464 208 912 6,172 6,861 150 2 54 37,117	30 5 - 				

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, 1989 (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	PARTIAL	TOTAL				TOTAL	PARTIAL	TOTAL					
TOTAL OR AVERAGE, UG:															
ELECTRICAL	-	2	-	2	2	3	-	-	-	30	30	-	15	15	
ENTRAPPED	-	1	-	1	1	-	-	-	-	27	27	-	27	27	
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	5	5	-	5	5	
UNDER PRESSURE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
EXPLOSIVE AND BREAKING	1	8	9	10	12	2	6,000	-	1,140	89	7,229	1,140	11	723	
AGENT	-	-	-	-	-	7	6,000	-	-	9	6,009	-	2	1,202	
FALLING, ROLLING, OR	-	-	-	-	-	36	-	-	-	559	559	-	25	25	
SLIDING MATERIAL	2	57	59	61	119	58	12,000	-	2,400	1,714	16,114	1,200	30	264	
FALL OF FACE, RIB, SIDE	-	2	2	2	5	3	-	-	-	118	118	-	15	15	
FALL OF ROOF (UNDER-	-	173	184	184	312	128	-	-	-	4,630	8,955	383	55	49	
GROUND MINES ONLY)	-	56	56	56	165	90	-	-	-	2,014	2,014	-	31	31	
FIRE	-	4	4	4	6	2	-	-	-	165	165	-	15	15	
HAND TOOL	-	80	85	86	126	40	6,000	-	3,585	3,674	7,259	717	35	154	
NONPOWERED HAULAGE	1	6	6	7	12	5	6,000	-	900	12	6,208	900	6	304	
POWERED HAULAGE	1	2	3	3	3	127	-	-	6,550	2,962	9,512	536	23	70	
HOISTING	-	128	135	135	262	77	12,000	-	3,050	4,365	7,415	762	36	152	
HAZARDOUS	2	4	4	4	205	6	-	-	-	166	166	-	15	15	
HAZARDOUS	-	11	11	11	17	4	-	-	-	2	2	-	2	2	
SLIP OR FALL OF	-	6	6	6	12	12	-	-	-	56	56	-	5	5	
PERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STEPPING OR KNEELING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ON OBJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRIKING OR BUMPING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	8	636	727	735	1,312	577	48,000	-	21,950	20,805	42,755	705	30	123	
SURFACE MINES:															
OPEN PIT:															
ELECTRICAL	-	1	1	1	2	1	-	-	-	27	27	-	27	27	
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNDER PRESSURE	-	1	1	1	1	-	-	-	-	1	1	-	1	1	
EXPLOSIVE AND BREAKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AGENT	-	2	2	2	3	1	-	-	-	-	-	-	-	-	
FALLING, ROLLING, OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SLIDING MATERIAL	-	1	1	1	2	2	-	-	-	95	95	-	95	95	
FIRE	-	200	206	206	385	180	-	-	-	4	4	-	4	4	
HAZARDOUS MATERIAL	-	56	57	57	167	110	-	-	-	5,561	6,071	-	26	26	
HAND TOOL	-	8	8	8	9	31	-	-	-	1,108	1,108	-	19	19	
NONPOWERED HAULAGE	-	85	85	85	120	40	-	-	-	149	149	-	19	19	
POWERED HAULAGE	-	79	83	84	145	65	6,000	-	3,250	2,651	5,901	1,083	31	56	
HAZARDOUS	1	4	4	4	23	17	-	-	-	2,030	4,123	508	26	121	
SLIP OR FALL OF	-	178	180	190	254	74	-	-	-	5,448	5,448	-	30	30	
PERSON	-	18	18	18	23	5	-	-	-	359	359	-	20	20	
STEPPING OR KNEELING	-	1	1	1	1	1	-	-	-	3	3	-	3	3	
ON OBJECT	-	16	16	16	33	17	-	-	-	315	315	-	20	20	
STRIKING OR BUMPING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	1	646	664	665	1,154	489	6,000	-	10,120	17,684	27,804	562	27	51	

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, 1989 (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		
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL	PARTIAL							
DREDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EXPLODING VESSEL	-	-	7	8	8	1	-	-	-	50	126	50	11	16		
UNDER PRESSURE	-	1	4	4	4	25	-	-	-	-	169	-	42	42		
HANDLING MATERIAL	-	-	-	-	-	11	-	-	-	-	-	-	-	-		
HAND TOOL	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
POWERED HAULAGE	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
HOISTING	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
IGNITION OR EXPLOSION	-	-	6	6	6	1	-	-	-	-	52	-	9	9		
OF GAS OR DUST	-	-	12	12	12	26	-	-	-	-	303	-	25	25		
MACHINERY	-	-	1	1	1	16	-	-	-	-	3	-	3	3		
SLIP OR FALL OF	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
PERSON	-	-	30	31	31	86	-	-	50	655	-	50	20	21		
STEPPING OR KNEELING	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
ON OBJECT	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
STRIKING OR BUMPING	-	-	-	-	-	1	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27	50			
TOTAL OR AVERAGE	-	1	676	695	695	1,240	6,000	-	10,170	28,459	535	27				

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, 1989 (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	
		TOTAL	PARTIAL	TEMPO- RARY					PERMANENT	PARTIAL						
TOTAL OR AVERAGE MINING:																
ELECTRICAL	-	-	3	3	3	4	7	-	-	-	57	57	-	19	57	19
ENTRAPPED	-	-	1	1	1	-	1	-	-	-	27	27	-	27	27	27
EXPLODING VESSEL	-	-	2	2	2	2	4	-	-	-	6	6	-	3	6	3
UNDER PRESSURE	-	-	8	11	12	3	15	6,000	-	5,340	89	5,429	1,780	11	11	952
EXPLOSIVE AND BREAKING	1	3	5	5	6	4	10	6,000	-	-	104	104	-	21	21	1,017
AGENT	-	-	22	22	22	14	36	-	-	-	559	559	-	25	25	25
FALLING, ROLLING, OR	-	-	57	59	61	58	119	-	-	-	1,714	4,114	1,200	30	30	264
SLIDING MATERIAL	2	2	3	3	3	4	7	12,000	-	2,400	122	122	1,200	41	41	264
FALL OF FACE, RIB, SIDE	-	-	380	398	398	325	723	-	-	4,855	10,289	15,154	270	27	27	38
OR HIGHWALL	-	-	126	127	127	216	343	-	-	50	3,241	3,291	50	26	26	26
FALL OF ROOF (UNDER-	-	-	12	12	12	3	15	-	-	-	314	314	-	26	26	26
GROUND MINES ONLY)	-	-	166	174	175	72	247	6,000	-	6,835	6,325	13,160	854	38	38	109
FIRE	1	8	6	6	7	6	13	6,000	-	-	208	6,208	-	35	35	887
HANDLING MATERIAL	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
HAND TOOL	-	-	2	2	2	1	3	-	-	900	912	912	6	6	6	304
NONPOWERED HAULAGE	-	-	11	11	11	212	437	6,000	-	8,560	5,107	13,667	780	24	24	87
POWERED HAULAGE	-	-	312	318	320	155	475	12,000	-	3,150	10,016	13,166	525	32	32	79
HOISTING	2	5	30	30	30	13	43	-	-	-	528	528	-	18	18	18
IGNITION OR EXPLOSION	-	-	2	2	2	6	8	-	-	-	5	5	-	2	2	2
OF GAS OR DUST	-	-	22	22	22	23	45	-	-	-	371	371	-	17	17	17
INMACHINERY	-	-	50	50	50	1,121	2,552	54,000	-	32,120	39,094	71,214	542	28	28	88
SLIP OR FALL OF	9	-	1,372	1,422	1,431	1,121	2,552	-	-	-	129	129	-	26	26	26
PERSON	-	-	5	5	5	4	9	-	-	-	43	43	-	22	22	22
STEPPING OR KNEELING	-	-	2	2	2	7	9	-	-	-	40	40	-	6	6	6
ON OBJECT	-	-	5	5	5	1	6	-	-	-	-	-	-	-	-	-
STRIKING OR BUMPING	-	-	2	2	2	-	2	-	-	-	29	29	-	14	14	14
OTHER INJURIES	-	-	1	1	1	-	1	-	-	-	9	9	-	9	9	9
TOTAL OR AVERAGE	-	-	15	15	15	12	27	-	-	-	250	250	-	-	-	17
INDEPENDENT SHOPS:																
HANDLING MATERIAL	-	-	5	5	5	4	9	-	-	-	129	129	-	26	26	26
HAND TOOL	-	-	2	2	2	7	9	-	-	-	43	43	-	22	22	22
MACHINERY	-	-	5	5	5	1	6	-	-	-	40	40	-	6	6	6
SLIP OR FALL OF	-	-	2	2	2	-	2	-	-	-	29	29	-	14	14	14
PERSON	-	-	1	1	1	-	1	-	-	-	9	9	-	9	9	9
STEPPING OR KNEELING	-	-	15	15	15	12	27	-	-	-	250	250	-	-	-	17
ON OBJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	15	15	15	12	27	-	-	-	250	250	-	-	-	17

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, 1969 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIL			TOTAL FATAL AND NFIL	HIL	TOTAL INJURIES	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		TOTAL	PARTIAL	TOTAL					PERMANENT	TEMPO- RARY	TOTAL NFIL				
1	-	-	5	5	6	6,000	-	-	86	6,086	-	17	1,014		
-	-	-	4	4	4	-	-	-	10	10	-	2	2		
-	-	-	1	1	1	-	-	-	1	1	-	1	1		
1	-	-	1	1	2	6,000	-	-	56	6,056	-	58	3,029		
-	-	-	2	2	3	-	-	-	19	19	-	10	26		
-	18	367	379	379	730	-	-	-	9,819	9,819	-	24	26		
-	4	108	112	112	314	-	-	985	3,209	3,209	55	24	29		
-	-	12	12	12	18	-	-	600	2,553	2,553	150	46	46		
-	-	34	36	36	65	-	-	840	2,103	2,103	420	37	58		
-	-	3	3	3	4	-	-	-	47	47	-	16	16		
-	-	71	77	77	221	-	-	4,840	1,380	6,220	807	19	81		
-	2	212	214	214	323	-	-	100	6,468	6,568	50	31	31		
-	-	22	22	22	32	-	-	-	553	553	-	25	25		
-	-	11	11	11	28	-	-	-	506	506	-	46	46		
-	-	13	13	13	38	-	-	-	197	197	-	15	15		
2	-	860	882	894	1,797	12,000	-	-	22,584	29,949	230	26	47		
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, 1989 (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 OR AVERAGE	1	-	8	9	13	4	6,000	-	-	143	143	-	16	6,143	-	16	663
ALL MINES AND PLANTS:	-	-	1	1	1	-	-	-	-	27	27	-	3	27	-	3	879
ELECTRICAL	-	-	6	6	10	4	-	-	-	16	16	-	10	16	-	10	1,500
ENTRAPPED	-	-	6	6	16	3	6,000	-	5,340	90	5,430	1,780	27	12,162	-	27	25
EXPLODING VESSEL	1	3	9	12	15	7	12,000	-	-	162	162	-	25	555	-	25	264
UNDER PRESSURE	-	-	22	22	36	14	-	-	-	555	555	-	30	16,114	1,200	30	28
EXPLOSIVE AND BREAKING	-	2	57	59	119	58	12,000	-	2,400	1,714	1,41	-	16	4,114	162	16	26
AGENT	-	36	745	782	1,462	680	-	-	5,850	19,262	25,102	130	25	25,102	130	25	27
FALLING, ROLLING, OR	-	5	236	241	425	425	-	-	500	5,867	6,363	755	36	6,363	755	36	36
SLIDING MATERIAL	-	10	24	24	33	9	6,000	-	7,575	7,368	15,263	1,283	35	21,283	1,283	35	101
FALL OF FACE, RIB, SIDE	1	-	200	210	312	101	6,000	-	-	208	208	-	35	6,208	-	35	867
FALL OF ROOF (UNDER-	-	-	6	6	13	6	6,000	-	-	47	47	-	16	47	-	16	16
GROUND MINES ONLY)	-	-	3	3	5	2	-	-	-	12	12	-	16	12	-	16	304
FIRE	-	1	289	306	564	357	6,000	-	13,420	6,527	19,947	789	23	25,947	789	23	85
HANDLING MATERIAL	1	-	526	536	800	264	12,000	-	3,250	15,513	19,763	406	31	31,763	406	31	55
HAND TOOL	-	-	53	53	76	23	-	-	-	1,090	1,090	-	21	1,090	-	21	21
NONPOWERED HAULAGE	-	-	13	13	36	23	-	-	-	511	511	-	16	511	-	16	25
POWERED HAULAGE	-	-	35	35	84	49	-	-	-	568	568	-	16	568	-	16	16
HOISTING	-	-	2,247	2,329	4,375	2,036	66,300	-	35,485	61,926	101,413	452	28	167,413	452	28	72
IGNITION OR EXPLOSION	11	82	2,247	2,329	4,375	2,036	66,300	-	35,485	61,926	101,413	452	28	167,413	452	28	72
OF GAS OR DUST	-	-	5	5	11	6	-	-	-	104	104	-	21	104	-	21	21
INMATION	-	-	3	3	4	1	-	-	-	15	15	-	5	15	-	5	5
MACHINERY	-	-	1	1	2	1	-	-	-	5	5	-	5	5	-	5	5
SLIP OR FALL OF	-	-	2	2	4	2	-	-	-	12	12	-	12	12	-	12	12
PERSON	-	-	11	11	21	10	-	-	-	136	136	-	12	136	-	12	12
STEPPING OR KNEELING	-	-	5	5	11	6	-	-	-	104	104	-	21	104	-	21	21
ON OBJECT	-	-	3	3	4	1	-	-	-	15	15	-	5	15	-	5	5
STRUCK OR BUMPING	-	-	1	1	2	1	-	-	-	5	5	-	5	5	-	5	5
OTHER INJURIES	-	-	2	2	4	2	-	-	-	12	12	-	12	12	-	12	12
TOTAL OR AVERAGE	11	82	2,247	2,329	4,375	2,036	66,300	-	35,485	61,926	101,413	452	28	167,413	452	28	72
OFFICE:	-	-	5	5	11	6	-	-	-	104	104	-	21	104	-	21	21
HANDLING MATERIAL	-	-	3	3	4	1	-	-	-	15	15	-	5	15	-	5	5
HAND TOOL	-	-	1	1	2	1	-	-	-	5	5	-	5	5	-	5	5
SLIP OR FALL OF	-	-	2	2	4	2	-	-	-	12	12	-	12	12	-	12	12
PERSON	-	-	11	11	21	10	-	-	-	136	136	-	12	136	-	12	12
OTHER INJURIES	-	-	2	2	4	2	-	-	-	12	12	-	12	12	-	12	12
TOTAL OR AVERAGE	-	-	11	11	21	10	-	-	-	136	136	-	12	136	-	12	12

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, 1989 (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			
		TOTAL	PARTIAL	TEMPO-RARY					TOTAL NFDL								
										TOTAL					PARTIAL		
																TOTAL	PARTIAL
GRAND TOTAL OR AVERAGE:	11	-	82	2,258	2,340	2,351	4,357	56,000	-	39,485	62,064	101,549	480	27	71		
ELECTRICAL	1	-	-	8	8	9	4	13	6,000	-	-	-	143	6,143	18	683	27
ENTRAPPMENT	-	-	-	1	1	1	-	1	-	-	-	-	27	27	27	27	27
EXPLODING VESSEL	-	-	-	6	6	6	4	10	-	-	-	-	16	16	3	3	3
UNDER PRESSURE	-	-	-	6	6	6	4	10	-	-	-	-	16	16	3	3	3
EXPLOSIVE AND BREAKING AGENT	1	-	3	9	12	13	3	16	6,000	-	5,340	-	90	11,430	10	879	10
FALLING, ROLLING, OR SLIDING MATERIAL	2	-	-	6	6	8	7	15	12,000	-	-	-	162	12,162	27	1,520	27
FALL OF FACE, RIB, SIDE OR HIGHWALL	-	-	-	22	22	22	14	36	-	-	-	-	559	559	25	25	25
FALL OF ROOF (UNDERGROUND MINES ONLY)	2	-	2	57	59	61	58	119	12,000	-	2,400	-	1,714	16,114	30	264	30
FIRE	-	-	-	5	5	5	7	12	-	-	-	-	141	141	28	28	28
HANDLING MATERIAL	-	-	36	751	787	787	686	1,473	-	-	5,850	-	19,306	25,206	26	26	26
HAND TOOLS	-	-	5	239	244	244	406	670	-	-	650	-	6,556	6,556	26	26	26
NONPOWERED HAULAGE	-	-	10	24	24	24	9	33	-	-	-	-	867	867	36	36	36
POWERED HAULAGE	1	-	-	200	210	211	101	312	6,000	-	7,675	-	7,588	21,263	36	101	36
HOISTING	1	-	-	6	6	7	6	13	6,000	-	-	-	208	6,208	35	887	35
IGNITION OR EXPLOSION OF GAS OR DUST	-	-	-	3	3	3	2	5	-	-	-	-	47	47	16	16	16
INMATION	-	-	-	2	2	2	-	3	-	-	900	-	512	912	16	304	16
MACHINERY	1	-	17	289	306	307	357	684	6,000	-	13,420	-	6,527	25,947	23	85	23
SUP OR FALL OF PERSON	2	-	8	527	535	537	255	882	12,000	-	3,250	-	15,518	31,768	31	58	31
STEPPING OR KNEELING ON OBJECT	-	-	-	53	53	53	23	75	-	-	-	-	1,090	1,090	21	21	21
STRIKING OR BUMPING OTHER INJURIES	-	-	-	13	13	13	23	36	-	-	-	-	511	511	25	25	25
OTHER INJURIES	-	-	-	37	37	37	51	88	-	-	-	-	586	586	16	16	16
TOTAL OR AVERAGE	11	-	82	2,258	2,340	2,351	2,046	4,357	56,000	-	39,485	-	62,064	101,549	27	71	71

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, 1969

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	NFIL	FATAL	PERMANENT		TOTAL NFIL	TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		TOTAL	PARTIAL	TOTAL				PARTIAL						
ELECTRICAL														
EYE					2	1				1	1			1
HAND					1	1				1	1			1
FINGER(S)					1	1				1	1			1
FOOT					1	1				1	1			1
LOWER EXTREMITIES, NEC					5	1				4	1			4
BODY SYSTEMS					2	1	6,000			3	1			1,508
MULTIPLE PARTS OF BODY					13	4	6,000			143	143			1,508
TOTAL OR AVERAGE														
EXPLOSIVE AND BREAKING AGENT					1	1				27	27			27
EYE					1	1				27	27			27
HAND					1	1				27	27			27
FINGER(S)					1	1				27	27			27
FOOT					1	1				27	27			27
LOWER EXTREMITIES, NEC					1	1				27	27			27
BODY SYSTEMS					10	4				16	16			10
MULTIPLE PARTS OF BODY														
TOTAL OR AVERAGE														
EXPLOSIVE AND BREAKING AGENT					1	1				1	1			1
EYE					1	1				1	1			1
HAND					1	1				1	1			1
FINGER(S)					1	1				1	1			1
FOOT					1	1				1	1			1
LOWER EXTREMITIES, NEC					1	1				1	1			1
BODY SYSTEMS					16	3	5,000			73	19,273	2,100		1,488
MULTIPLE PARTS OF BODY							5,000			30	11,430	1,780		579
TOTAL OR AVERAGE														
FALLING, ROLLING, OR SLIDING MATERIAL					1	1				1	1			1
EYE					1	1				1	1			1
HAND					1	1				1	1			1
FOOT					1	1				1	1			1
LOWER EXTREMITIES, NEC					1	1				1	1			1
BODY SYSTEMS					1	1				1	1			1
MULTIPLE PARTS OF BODY					1	1				1	1			1
TOTAL OR AVERAGE														

TABLE 19 - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT SELECTED MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	METAL			TOTAL FATAL AND METAL	TOTAL INJURIES	FATAL	METAL			TOTAL FATAL AND METAL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND METAL		
		PERMANENT	TEMPO- RARY	TOTAL METAL				TOTAL	PARTIAL							
FALL OF FACE, RIB, SIDE OR HIGHBALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THIGH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALL OF ROOF UNDER GROUND MINES ONLY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	PERMANENT		TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	PARTIAL												
				TOTAL				PARTIAL							
FIRE	-	-	-	-	-	1	1	-	-	-	9	-	-	9	-
EYE	-	-	1	-	1	1	1	-	-	-	10	-	-	10	-
FACE, NEC	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	2	-	2	2	2	-	-	-	10	-	-	10	-
MULTIPLE PARTS OF BODY	-	-	1	-	1	2	2	-	-	-	112	-	-	112	-
TOTAL OR AVERAGE	-	-	5	-	5	12	7	-	-	-	141	-	-	28	28
HANDLING MATERIAL	-	-	-	-	-	4	4	-	-	-	94	-	-	3	3
EAR	-	-	28	-	28	70	3	-	-	-	1	-	-	1	1
EYE	-	-	1	-	1	13	3	-	-	-	15	-	-	15	15
JAW	-	-	1	-	1	8	8	-	-	-	4	-	-	2	2
MOUTH/TEETH/TONGUE	-	-	1	-	1	10	10	-	-	-	28	-	-	27	27
NOSE	-	-	2	-	2	11	2	-	-	-	33	-	-	20	20
FACE, NEC	-	-	1	-	1	2	2	-	-	-	47	-	-	9	9
HEAD, NEC	-	-	1	-	1	13	3	-	-	-	120	-	-	36	36
NECK	-	-	2	-	2	17	7	-	-	-	304	-	-	22	22
UPPER ARM	-	-	1	-	1	17	17	-	-	-	631	-	-	13	13
ELBOW	-	-	1	-	1	25	5	-	-	-	1,798	-	-	25	25
FOREARM	-	-	5	-	5	22	2	-	-	-	226	-	-	31	31
WRIST	-	-	9	-	9	17	17	-	-	-	64	-	-	8	8
HAND	-	-	16	-	16	49	26	-	-	-	300	-	-	50	50
FINGER(S)	-	-	87	-	87	237	11	-	-	-	14,009	-	-	1,800	1,800
UPPER EXTREMITIES, NEC	-	-	15	-	15	18	2	-	-	-	2,051	-	-	50	50
ROOBER	-	-	340	-	342	108	450	-	-	-	1,874	-	-	22	22
BACK	-	-	2	-	2	23	23	-	-	-	232	-	-	15	15
CHEST	-	-	8	-	8	16	16	-	-	-	18	-	-	4	4
PELVIC REGION	-	-	27	-	27	64	17	-	-	-	928	-	-	28	28
SHOULDER(S)	-	-	48	-	57	23	46	-	-	-	124	-	-	18	18
TRUNK, NEC	-	-	15	-	15	2	2	-	-	-	138	-	-	17	17
THIGH	-	-	4	-	4	13	13	-	-	-	580	-	-	22	22
KNEE	-	-	33	-	33	7	7	-	-	-	141	-	-	24	24
LOWER LEG	-	-	7	-	7	5	5	-	-	-	438	-	-	40	40
ANKLE	-	-	8	-	8	7	7	-	-	-	12	-	-	2	2
FOOT	-	-	26	-	26	13	13	-	-	-	733	-	-	30	30
TOE(S)	-	-	6	-	6	1	1	-	-	-	30	-	-	30	30
LOWER EXTREMITIES, NEC	-	-	11	-	11	18	7	-	-	-	25,286	-	-	26	26
BODY SYSTEMS	-	-	5	-	5	1,473	886	-	-	-	19,356	-	-	182	182
MULTIPLE PARTS OF BODY	-	-	23	-	23	1	1	-	-	-	5,850	-	-	25,286	25,286
UNCLASSIFIED	-	-	1	-	1	1	1	-	-	-	30	-	-	30	30
TOTAL OR AVERAGE	-	36	751	-	787	1,473	886	-	-	-	19,356	-	-	26	26

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, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	NFIL	TOTAL INJURIES	FATAL	NFIL		TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL	PARTIAL				
POWDER HAULAGE:														
EAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER ARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THIGH	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	10	200	210	211	101	312	6,000	6,000	15,263	768	38	101	
HOLSTING:														
EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	6	6	7	6	13	6,000	6,000	208	-	35	887	

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, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION 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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL	
		PERMANENT	TEMPO- RARY	TOTAL NFIDL				PERMANENT	TEMPO- RARY	TOTAL NFIDL					
															TOTAL
IGNITION OR EXPLOSION OF GAS OR DUST:															
EYE	-	-	1	1	1	1	-	-	-	2	2	-	2	2	2
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	1	1	1	1	-	-	-	16	16	-	16	16	16
MULTIPLE PARTS OF BODY	-	-	1	1	1	1	-	-	-	29	29	-	29	29	29
TOTAL OR AVERAGE	-	-	3	3	3	5	-	-	-	47	47	-	16	16	16
INMUNITION:															
LOWER EXTREMITIES, NEC	-	-	1	1	1	1	-	-	-	900	900	-	900	900	900
MULTIPLE PARTS OF BODY	-	-	2	2	2	2	-	-	-	12	12	-	6	6	6
TOTAL OR AVERAGE	-	-	2	3	3	3	-	-	-	912	912	-	6	6	6
MACHINERY:															
EAR	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-
EYE	-	-	33	33	33	122	-	-	-	81	81	-	2	2	2
JAW	-	-	1	1	1	3	-	-	-	30	30	-	30	30	30
MOUTH/TEETH/TONGUE	-	-	2	2	2	7	-	-	-	4	4	-	2	2	2
NOSE	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
SCALP	-	-	7	7	7	17	-	-	-	42	42	-	6	6	6
FACE, NEC	-	-	3	3	3	18	-	-	-	42	42	-	14	14	14
HEAD, NEC	-	-	12	13	13	18	-	-	-	368	368	-	600	600	600
NECK	-	-	3	3	3	4	-	-	-	207	207	-	600	600	600
UPPER ARM	-	-	2	2	2	6	-	-	-	13	13	-	6	6	6
ELBOW	-	-	2	2	2	4	-	-	-	393	393	-	49	49	49
FOREARM	-	-	8	8	8	14	-	-	-	185	185	-	26	26	26
WRIST	-	-	7	7	7	11	-	-	-	720	720	-	13	13	13
HAND	-	-	9	10	10	28	-	-	-	500	500	-	24	24	24
FINGER(S)	-	-	43	52	52	117	-	-	-	948	948	-	474	474	474
UPPER EXTREMITIES, NEC	-	-	11	11	11	69	-	-	-	5,218	5,218	-	100	100	100
ABDOEN	-	-	1	1	1	1	-	-	-	32	32	-	24	24	24
BACK	-	-	37	37	37	49	-	-	-	1,045	1,045	-	32	32	32
CHEST	-	-	5	5	5	13	-	-	-	117	117	-	28	28	28
PELVIS REGION	-	-	5	5	5	8	-	-	-	224	224	-	15	15	15
SHOULDER(S)	-	-	13	13	13	16	-	-	-	169	169	-	13	13	13
TRUNK, NEC	-	-	3	3	3	3	-	-	-	22	22	-	7	7	7
THIGH	-	-	3	3	3	8	-	-	-	21	21	-	7	7	7
KNEE	-	-	9	9	9	5	-	-	-	165	165	-	18	18	18
LOWER LEG	-	-	9	9	9	10	-	-	-	301	301	-	50	50	50
ANKLE	-	-	9	9	9	13	-	-	-	259	259	-	29	29	29
FOOT	-	-	18	19	19	30	-	-	-	3,355	3,355	-	20	20	20
TOE(S)	-	-	5	5	5	7	-	-	-	107	107	-	21	21	21
LOWER EXTREMITIES, NEC	-	-	5	5	5	15	-	-	-	350	350	-	39	39	39
BODY SYSTEMS	-	-	5	5	5	10	-	-	-	28	28	-	6	6	6
MULTIPLE PARTS OF BODY	-	-	20	21	21	40	-	-	-	782	782	-	1,800	1,800	1,800
TOTAL OR AVERAGE	1	17	289	306	307	664	6,000	13,420	5,527	19,947	25,947	789	23	23	23

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, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	MFIL			TOTAL FATAL AND MFIL	NDL	TOTAL INJURIES	FATAL	MFIL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND MFIL
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL MFIL	TOTAL FATAL AND MFIL				
											TOTAL			
SLIP OR FALL OF PERSON:	-	-	-	-	-	1	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	1	-	-	-	-	-	-	-	-
JAW	-	-	-	-	-	5	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	1	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	2	-	-	-	-	-	-	-	-
SCALP	-	-	-	-	-	2	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	6	-	-	-	-	-	-	-	-
HEAD, NEC	1	-	-	-	7	14	6,000	-	-	-	-	-	-	6,225
NECK	-	-	-	-	5	6	-	-	-	-	-	-	-	81
UPPER ARM	-	-	-	-	9	9	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	3	3	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	17	17	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	5	5	-	-	-	-	-	-	-	-
HAND	-	-	-	-	11	11	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	4	4	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	1	1	-	-	-	-	-	-	-	-
ARM/SHOULDER	-	-	-	-	112	112	-	-	-	-	-	-	-	-
BACK	-	-	-	-	24	24	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	7	7	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	23	23	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	9	9	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	2	2	-	-	-	-	-	-	-	-
THIGH	-	-	-	-	110	110	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	5	5	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	76	76	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	28	28	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	21	21	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	45	45	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	1	-	-	-	-	20	5,000	-	-	-	-	-	-	1,200
UNCLASSIFIED	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	-	8	527	535	265	802	12,000	-	3,250	-	405	31	31,768
STEPPING OR KNEELING ON OBJECT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	53	53	23	76	-	-	-	-	-	21	1,090

TABLE 19. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE, OR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	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					TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFIDL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
STRIKING OR BUMPING: EAR----- MOUTH/TEETH/TONGUE----- NOSE----- FACE, NEC----- HEAD, NEC----- NECK----- UPPER ARM----- FOREARM----- BACK----- CHEST----- THIGH----- KNEE----- LOWER LEG----- FOOT----- TOE(S)----- LOWER EXTREMITIES, NEC----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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, 1989 (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					TOTAL	PERMANENT	PARTIAL					
																TOTAL
TOTAL OR AVERAGE:	-	3	87	2	3	16	320	-	-	-	-	-	-	4	4	4
EAR	-	3	87	2	3	233	21	-	-	-	-	-	-	16	2	16
EYE	-	87	2	5	87	49	55	-	-	-	-	-	-	2	2	2
ARM	-	2	5	2	2	20	22	-	-	-	-	-	-	5	5	5
FOOT/FEET/TONGUE	-	2	4	1	4	7	11	-	-	-	-	-	-	40	40	40
NOSE	-	4	1	1	1	22	48	-	-	-	-	-	-	13	13	13
SCALP	-	16	16	16	16	30	97	-	-	-	-	-	-	20	20	20
SKULL	-	29	29	29	29	30	84	-	-	-	-	-	-	212	212	212
FACE NEC	-	53	53	53	53	7	17	-	-	-	-	-	-	571	571	571
HEAD NEC	1	10	10	10	10	7	84	6,000	6,000	1,972	1,972	6,571	6,571	20	20	20
NECK	-	42	42	42	42	49	91	-	-	-	-	-	-	444	444	444
UPPER ARM	-	25	25	25	25	52	77	-	-	-	-	-	-	974	974	974
ELBOW	-	38	38	38	38	58	86	-	-	-	-	-	-	691	691	691
FOREARM	-	50	50	50	50	127	180	-	-	-	-	-	-	1,236	1,236	1,236
WRIST	-	198	198	198	198	519	741	-	-	-	-	-	-	4,617	4,617	4,617
HAND	-	48	48	48	48	60	108	-	-	-	-	-	-	12,063	12,063	12,063
FINGER(S)	-	11	11	11	11	6	17	-	-	-	-	-	-	1,015	1,015	1,015
UPPER EXTREMITIES NEC	-	642	642	642	642	201	843	-	-	-	-	-	-	294	294	294
ARMEN	-	51	51	51	51	44	95	-	-	-	-	-	-	25,765	25,765	25,765
BACK	-	88	88	88	88	23	111	-	-	-	-	-	-	1,134	1,134	1,134
CHEST	-	110	110	110	110	57	167	-	-	-	-	-	-	3,317	3,317	3,317
PELVIC REGION	-	36	36	36	36	9	47	-	-	-	-	-	-	4,808	4,808	4,808
SHOULDER(S)	-	12	12	12	12	22	34	-	-	-	-	-	-	3,949	3,949	3,949
TRUNK NEC	2	189	189	189	189	73	263	12,000	12,000	197	197	15,197	15,197	37	37	37
THIGH	-	32	32	32	32	20	52	-	-	-	-	-	-	7,828	7,828	7,828
KNEE	-	128	128	128	128	44	172	-	-	-	-	-	-	4,920	4,920	4,920
LOWER LEG	-	121	121	121	121	45	167	-	-	-	-	-	-	2,942	2,942	2,942
ANKLE	-	24	24	24	24	13	37	-	-	-	-	-	-	5,919	5,919	5,919
FOOT	-	58	58	58	58	36	96	-	-	-	-	-	-	592	592	592
TOE(S)	-	24	24	24	24	23	51	-	-	-	-	-	-	3,920	3,920	3,920
LOWER EXTREMITIES NEC	-	164	164	164	164	84	255	-	-	-	-	-	-	24,122	24,122	24,122
BODY SYSTEMS	4	1	1	1	1	1	2	24,000	24,000	122	122	35,912	35,912	36	36	36
MULTIPLE PARTS OF BODY	4	-	-	-	-	-	2	6,000	6,000	30	30	101,549	101,549	2,000	2,000	2,000
UNCLASSIFIED	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	11	82	2,258	2,340	2,351	2,046	4,397	66,000	66,000	62,064	62,064	157,549	157,549	482	27	71

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, 1989

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	PERMANENT			TEMPO- RARY	TOTAL NFDL	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	PARTIAL	TOTAL					TEMPO- RARY	TOTAL	PARTIAL						
ELECTRICAL: BURN/SCALD (NOT CHEM.) ELECTRIC SHOCK ELECT. BURN (CONTACT) ELECT. BURN (ARC) RADIATION/ULTRA VIOLET MULTIPLE INJURIES TOTAL OR AVERAGE	- 1 - - - - 1	- - - - - - -	- - - - - - -	1 3 2 2 - 8	1 4 2 2 - 8	1 1 1 1 - 4	2 5 2 3 - 13	6,000 - - - - 5,000	- - - - - -	- - - - - -	22 34 53 34 - 143	22 34 53 34 - 143	22 6,034 26 17 - 6,143	- - - - - -	22 11 26 17 - 18	22 1,508 26 17 - 683	
ENTRAPMENT: MULTIPLE INJURIES TOTAL OR AVERAGE	- - -	- - -	- - -	1 1 1	1 1 1	1 1 1	1 1 1	- - -	- - -	- - -	27 27 27	27 27 27	27 27 27	- - -	- - -	27 27 27	27 27 27
EXPLODING VESSEL UNDER PRESSURE: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CUT OR PUNCTURE DUST IN EYE SCRAATCH/ABRASION MULTIPLE INJURIES OTHER INJURY, NEC TOTAL OR AVERAGE	- - - - - - - -	- - - - - - - -	- - - - - - - -	2 2 1 1 1 1 1 6	2 2 1 1 1 1 1 6	2 1 1 - - - 4	2 3 1 1 1 1 1 10	- - - - - - - -	- - - - - - - -	- - - - - - - -	5 5 5 3 1 1 16	5 5 5 3 1 1 16	5 5 5 3 1 1 16	- - - - - - -	2 5 5 3 1 3	2 5 5 3 1 3	
EXPLOSIVE AND BREAKING AGENT: AMPUTATION/EMBLEATION ASPHYXIATION/CHOKING CONTUSION OR BRUISE POISONING (SYSTEMIC) SCRAATCH/ABRASION MULTIPLE INJURIES OTHER INJURY, NEC TOTAL OR AVERAGE	- - - - - 1 1	- - - - - - -	1 - - - - 2 3	1 2 1 1 1 6 12	1 2 1 1 1 6 12	1 2 1 1 1 7 13	1 3 1 2 1 7 16	- - - - - 6,000 6,000	- - - - - -	1,140 - - - - 4,200 5,340	1,140 8 7 1 73 1 90	1,140 8 7 1 73 1 90	1,140 8 7 1 10,273 2,100 1,780	- - - - - -	- 4 7 1 18 1 10	1,140 4 7 1 1,468 1 879	
FALLING, ROLLING, OR SLIDING MATERIAL: ASPHYXIATION/CHOKING CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE MULTIPLE INJURIES OTHER INJURY, NEC TOTAL OR AVERAGE	1 - - - 1 2	- - - - - -	- - - - - -	1 1 3 2 - 6	1 1 3 2 - 6	1 1 3 2 - 8	1 2 7 3 1 15	6,000 - - - - 12,000	- - - - -	- - - - -	- - - - -	- - - - -	6,000 1 8 153 6,000 -	- - - - -	- 1 3 76 - -	6,000 1 3 76 6,000 -	- 1 3 76 6,000 -

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, 1969 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	HDL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TEMPO- RARY				TOTAL NFDL
FALL OF FACE, RIB, SIDE OR HIGHWALL: CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	- - - - - - - -	8 2 6 1 1 4 22	8 2 6 1 1 4 22	8 2 6 1 1 4 22	1 7 2 - - 3 14	9 9 8 1 2 7 36	- - - - - - -	- - - - - - -	163 100 218 47 4 27 559	163 100 218 47 4 27 559	- - - - - - -	20 50 36 47 4 7 25	20 50 36 47 4 7 25		
FALL OF ROOF (UNDER- GROUND MINES ONLY): CONCUSSION (CEREBRAL) CONTUSION OR BRUISE CUT OR PUNCTURE DUST IN EYE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - - - 2	2 10 9 - 14 4 15 3 57	2 10 9 - 16 4 15 3 59	2 11 9 - 16 4 16 3 61	7 40 1 4 3 - 58	2 18 49 1 20 7 19 3 119	6,000 - - - - - 6,000 12,000	- - - 2,400 - - - 2,400	9 76 85 - 736 264 404 150 4,114	9 76 85 - 736 264 404 150 4,114	- - - 1,200 - - - 1,200	4 8 9 - 53 64 27 50 30	4 8 9 - 53 64 27 50 30		
FIRE: ASPHALTATION/DRUMMING BURN/SCALD (NOT CHEM.) CUT OR PUNCTURE DUST IN EYE POISONING (SYSTEMIC) STRAIN/SPRAIN TOTAL OR AVERAGE	- - - - - - -	1 3 - 1 - - 5	1 3 - - 1 - 5	1 3 - - 1 - 5	- 4 1 - 1 - 7	1 7 1 1 1 1 12	- - - - - - -	- - - - - - -	4 131 - 6 - - 141	4 131 - 6 - - 141	- - - - - -	4 44 - 6 - 28	4 44 - 6 - 28		

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, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	NFDL					TOTAL FATAL AND NFDL	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
HANDLING MATERIAL AMPUTATION/EMBLEATION ASPHYXIATION/CHOKING BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION DUST IN EYE FRACTURE HEMIA (NOT DISC.) POISONING (SYSTEMIC) SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- -																		

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, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFIL			TOTAL FATAL AND NFIL	NOL	TOTAL INJURIES	FATAL	NFIL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL	
		PERMANENT	TEMPO- RARY	TOTAL NFIL					TOTAL	PARTIAL					
POWERED HAULAGE:															
AMPUTATION/EMBOLETH-	-	8	-	8	8	-	8	-	4,275	-	534	-	-	534	534
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
CONCUSSION (CEREBRAL)	-	-	-	-	-	-	15	6,000	-	-	-	-	-	-	-
CONCUSSION OR BRUISE	1	-	22	22	23	31	42	-	979	979	-	-	44	303	
CUT OR PUNCTURE	-	-	11	11	11	5	31	-	302	302	-	-	27	27	
DUST IN EYE	-	-	5	5	5	10	45	-	10	10	-	-	2	63	
FRACTURE	-	-	35	35	35	3	45	-	2,200	2,200	-	-	63	4	
POISONING (SYSTEMIC)	-	-	2	2	2	2	4	-	9	9	-	-	12	12	
SCRATCH/ABRASION	-	-	2	2	2	2	4	-	24	24	-	-	32	32	
STRAIN/SPRAIN	-	-	79	79	79	23	102	-	2,547	2,547	-	-	36	121	
MULTIPLE INJURIES	-	-	34	34	35	2	37	-	1,238	1,238	3,000	3,000	10	108	
OTHER INJURY, NEC	-	-	1	1	1	4	4	-	431	431	400	400	35	35	
UNCLASSIFIED (NO DATA)	-	-	7	7	7	3	10	-	248	248	-	-	38	101	
TOTAL OR AVERAGE	1	10	200	210	211	101	312	6,000	7,675	15,263	768	-	-	21,263	
HOISTING:															
ASPHALTATION/GRADING	1	-	-	-	-	-	1	6,000	-	-	-	-	-	-	6,000
CONCUSSION OR BRUISE	-	-	1	1	1	-	1	-	-	-	-	-	3	3	3
CUT OR PUNCTURE	-	-	1	1	1	1	2	-	3	3	-	-	13	13	13
FRACTURE	-	-	1	1	1	1	1	-	65	65	-	-	65	65	65
SCRATCH/ABRASION	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
MULTIPLE INJURIES	-	-	2	2	2	2	4	-	102	102	-	-	51	51	51
UNCLASSIFIED (NO DATA)	-	-	1	1	1	1	2	-	25	25	-	-	25	25	25
TOTAL OR AVERAGE	1	-	6	6	7	6	13	6,000	208	208	-	-	35	887	887
IGNITION OR EXPLOSION OF GAS OR DUST:															
BURN/SCALD (NOT CHEM.)	-	-	2	2	2	2	4	-	18	18	-	-	9	9	9
MULTIPLE INJURIES	-	-	1	1	1	-	1	-	25	25	-	-	25	25	25
TOTAL OR AVERAGE	-	-	3	3	3	2	5	-	47	47	-	-	16	16	16
INUNDATION:															
CONCUSSION OR BRUISE	-	-	-	1	1	-	1	-	900	900	900	-	-	900	900
MULTIPLE INJURIES	-	-	2	2	2	-	2	-	12	12	-	-	6	6	6
TOTAL OR AVERAGE	-	-	2	3	3	-	3	-	900	912	900	-	6	304	304

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, 1989 (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
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL NFIDL					
									TOTAL				
MACHINERY: AMPUTATION/ENCLINATION ASPHYXIATION/CHOKING BURN/SCALD (NOT CHEM.) CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE DERMATITIS DISLOCATION DUST IN EYE FRACTURE HEAT/SUNSTROKE HERNIA (NOT DISC) POISONING (SYSTEMIC) RADIATION/ULTRA VIOLET SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- 1 - 												

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, 1969 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL			NOL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPORARY	TOTAL						PERMANENT	TEMPORARY	TOTAL						
																	TOTAL	PARTIAL
STRIKING OR BUMPING.....	-	-	6	-	6	6	-	-	-	-	-	277	-	46	46			
CONTUSION OR BRUISE.....	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	2		
CUT OR PUNCTURE.....	-	-	1	1	2	2	-	-	-	-	-	-	-	-	-	2		
FRACTURE.....	-	-	5	5	10	5	-	-	-	-	-	-	-	-	-	230		
STRAIN/SPRAIN.....	-	-	1	1	2	1	-	-	-	-	-	-	-	-	-	2		
MULTIPLE INJURIES.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE.....	-	-	13	13	26	23	-	-	-	-	-	-	-	-	-	511		
OTHER INJURIES:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ASPHYXIATION/DROWNING.....	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	11		
BURN/SCALD (NOT CHEM.).....	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	38		
CHEMICAL BURN.....	-	-	2	2	4	4	-	-	-	-	-	-	-	-	-	2		
CONTUSION OR BRUISE.....	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	13		
CUT OR PUNCTURE.....	-	-	4	4	8	9	-	-	-	-	-	-	-	-	-	51		
DISLOCATION.....	-	-	1	1	2	1	-	-	-	-	-	-	-	-	-	21		
DUST IN EYE.....	-	-	4	4	8	14	-	-	-	-	-	-	-	-	-	5		
FRACTURE.....	-	-	1	1	2	1	-	-	-	-	-	-	-	-	-	40		
POISONING (SYSTEMIC).....	-	-	2	2	4	10	-	-	-	-	-	-	-	-	-	3		
SCALD/ABRASION.....	-	-	2	2	4	4	-	-	-	-	-	-	-	-	-	5		
STRAIN/SPRAIN.....	-	-	12	12	24	6	-	-	-	-	-	-	-	-	-	310		
MULTIPLE INJURIES.....	-	-	1	1	2	1	-	-	-	-	-	-	-	-	-	32		
OTHER INJURY, NEC.....	-	-	1	1	2	1	-	-	-	-	-	-	-	-	-	11		
UNCLASSIFIED (NO DATA).....	-	-	3	3	6	3	-	-	-	-	-	-	-	-	-	38		
TOTAL OR AVERAGE.....	-	-	37	37	74	51	-	-	-	-	-	-	-	-	-	580		
STRIKING OR BUMPING.....	-	-	24	-	24	-	-	-	-	-	-	-	-	-	-	13,235		
CONTUSION OR BRUISE.....	-	-	6	-	6	-	-	-	-	-	-	-	-	-	-	24		
CUT OR PUNCTURE.....	-	-	28	28	56	69	-	-	-	-	-	-	-	-	-	666		
FRACTURE.....	-	-	32	32	64	72	-	-	-	-	-	-	-	-	-	389		
STRAIN/SPRAIN.....	-	-	5	5	10	2	-	-	-	-	-	-	-	-	-	49		
MULTIPLE INJURIES.....	-	-	243	243	486	183	-	-	-	-	-	-	-	-	-	8,734		
UNCLASSIFIED (NO DATA).....	-	-	194	194	388	779	-	-	-	-	-	-	-	-	-	2,390		
TOTAL OR AVERAGE.....	-	-	4	4	8	12	-	-	-	-	-	-	-	-	-	76		
DISLOCATION.....	-	-	20	20	40	11	-	-	-	-	-	-	-	-	-	900		
DUST IN EYE.....	-	-	19	19	38	72	-	-	-	-	-	-	-	-	-	1,577		
ELECTRIC SHOCK.....	-	-	3	3	6	1	-	-	-	-	-	-	-	-	-	152		
ELECT. BURN (CONTACT).....	-	-	2	2	4	1	-	-	-	-	-	-	-	-	-	34		
FRACTURE.....	-	-	258	258	516	200	-	-	-	-	-	-	-	-	-	53		
HEAT/STROKE.....	-	-	7	7	14	2	-	-	-	-	-	-	-	-	-	18,374		
HERNIA (NOT DISC).....	-	-	39	39	78	2	-	-	-	-	-	-	-	-	-	2,084		
POISONING (SYSTEMIC).....	-	-	15	15	30	1	-	-	-	-	-	-	-	-	-	64		
RADIATION/OTHER VIOLET.....	-	-	12	12	24	18	-	-	-	-	-	-	-	-	-	48		
SCALD/ABRASION.....	-	-	25	25	50	36	-	-	-	-	-	-	-	-	-	155		
STRAIN/SPRAIN.....	-	-	1,095	1,095	2,190	517	-	-	-	-	-	-	-	-	-	36,961		
MULTIPLE INJURIES.....	-	-	214	214	428	330	-	-	-	-	-	-	-	-	-	6,243		
OTHER INJURY, NEC.....	-	-	29	29	58	45	-	-	-	-	-	-	-	-	-	13,853		
UNCLASSIFIED (NO DATA).....	-	-	49	49	98	85	-	-	-	-	-	-	-	-	-	6,840		
TOTAL OR AVERAGE.....	-	-	82	82	164	36	-	-	-	-	-	-	-	-	-	1,551		
TOTAL OR AVERAGE.....	-	-	11	11	22	4,397	-	-	-	-	-	-	-	-	-	167,549		

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION, TYPE OF MINERAL AND STATE	SKIN DISEASES OR DISORDERS	FAST DISEASES OF THE LUNGS	RESPIRATORY CONDITIONS DUE TO TOXIC AGENTS	POISONING-SYSTEMIC EFFECTS OF TOXIC MATERIALS	DISORDERS DUE TO PHYSICAL AGENTS (NONTRAUMATIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
UNDERGROUND MINES:								
UNDERGROUND:								
GOLD:								
COLORADO	-	-	-	1	-	1	-	1
MICHIGAN	-	-	-	-	-	1	1	1
MONTANA	-	-	-	-	-	24	-	24
SOUTH DAKOTA	-	-	-	-	-	26	1	28
TOTAL	-	-	-	1	-			
POLYBROMIN:								
COLORADO	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
SILVER:								
IDAHO	-	1	-	-	1	6	-	7
MONTANA	-	1	-	-	1	6	-	8
TOTAL	-	1	-	-	1			
URANIUM:								
COLORADO	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
SURFACE AT LG:								
COPPER:								
MICHIGAN	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
GOLD:								
SOUTH DAKOTA	-	-	-	-	-	4	-	4
TOTAL	-	-	-	-	-	4	-	4
POLYBROMIN:								
COLORADO	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
SILVER:								
IDAHO	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
TOTAL UNDERGROUND:								
COPPER:								
MICHIGAN	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
GOLD:								
COLORADO	-	-	-	-	-	1	-	1
MICHIGAN	-	-	-	-	-	1	-	1
MONTANA	-	-	-	-	-	1	-	1
SOUTH DAKOTA	-	-	-	-	-	28	-	28

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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:								
MOLYBDENUM:	-	-	-	-	-	2	-	2
COLORADO-----	-	-	-	-	-	2	-	2
TOTAL-----								
SILVER:								
IDAHO-----	-	1	-	-	1	7	-	8
MONTANA-----	-	-	-	-	-	-	-	1
TOTAL-----	-	1	-	-	1	7	-	9
URANIUM:								
COLORADO-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
SURFACE MINES:								
STRIP:								
COPPER:								
ARIZONA-----	-	-	-	-	1	-	-	1
MONTANA-----	-	-	-	-	1	1	-	1
UTAH-----	-	-	-	-	-	-	-	1
TOTAL-----	-	-	-	-	2	1	-	3
GOLD:								
ALASKA-----	1	-	-	-	1	1	1	4
NEVADA-----	-	-	-	-	-	2	-	3
TOTAL-----	1	-	-	1	1	3	1	7
IRON:								
MICHIGAN-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
DREDGE:								
GOLD:								
CALIFORNIA-----	-	-	1	-	-	-	-	1
TOTAL-----	-	-	1	-	-	-	-	1
TITANIUM:								
FLORIDA-----	-	-	-	-	1	-	-	1
TOTAL-----	-	-	-	-	1	-	-	1

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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 SURFACE:								
COPPER:								
ARIZONA-----	-	-	-	-	1	-	-	1
MONTANA-----	-	-	-	-	1	1	-	1
UTAH-----	-	-	-	-	2	1	-	3
TOTAL-----								
GOLD:								
ALASKA-----	1	-	-	-	1	1	1	4
CALIFORNIA-----	-	-	1	-	-	2	-	1
NEVADA-----	-	-	-	1	-	-	-	3
TOTAL-----	1	-	1	1	1	3	1	8
IRON:								
MICHIGAN-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
TITANIUM:								
FLORIDA-----	-	-	-	-	1	-	-	1
TOTAL-----	-	-	-	-	1	-	-	1
TOTAL MINING:								
COPPER:								
ARIZONA-----	-	-	-	-	1	-	-	1
MICHIGAN-----	-	-	-	-	1	1	-	1
MONTANA-----	-	-	-	-	1	1	-	1
UTAH-----	-	-	-	-	2	2	-	4
TOTAL-----	-	-	-	-				
GOLD:								
ALASKA-----	1	-	1	-	1	1	1	4
CALIFORNIA-----	-	-	-	-	-	-	-	1
COLORADO-----	-	-	-	1	-	1	-	1
MICHIGAN-----	-	-	-	1	-	1	1	2
MONTANA-----	-	-	-	1	-	2	-	3
NEVADA-----	-	-	-	-	-	28	-	28
SOUTH DAKOTA-----	-	-	-	-	-	33	-	40
TOTAL-----	1	-	1	2	1		2	
IRON:								
MICHIGAN-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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.								
NICKEL-CONT.								
COLORADO-----	-	-	-	-	-	2	-	2
TOTAL-----	-	-	-	-	-	2	-	2
SILVER-								
IDAHO-----	-	1	-	-	1	7	-	8
MONTANA-----	-	-	-	-	-	-	-	1
TOTAL-----	-	1	-	-	1	7	-	9
TITANIUM-								
FLORIDA-----	-	-	-	-	1	-	-	1
TOTAL-----	-	-	-	-	1	-	-	1
URANIUM-								
COLORADO-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
PROCESSING PLANTS:								
ALUMINUM ORE-								
LOUISIANA-----	1	-	-	-	1	-	-	2
TEXAS-----	-	-	-	-	6	23	-	29
TOTAL-----	1	-	-	-	7	23	-	31
COPPER-								
ARIZONA-----	1	1	-	-	1	-	-	3
TOTAL-----	1	1	-	-	1	-	-	3
GOLD-								
CALIFORNIA-----	-	-	-	-	1	-	1	2
IDAHO-----	-	-	1	1	-	-	-	2
NEVADA-----	1	-	-	-	-	3	-	4
SOUTH CAROLINA-----	1	-	-	-	-	-	-	1
TOTAL-----	2	-	1	1	1	3	1	9
IRON-								
MICHIGAN-----	-	-	-	-	-	3	1	4
MINNESOTA-----	-	-	-	-	-	3	-	3
TOTAL-----	-	-	-	-	-	6	1	7

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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:								
LEAD-ZINC:								
ALASKA-----	1	-	-	-	-	-	1	1
TENNESSEE-----	1	-	-	-	-	-	1	1
TOTAL-----								2
SILVER:								
IDAHO-----	-	-	-	-	-	1	-	1
TOTAL-----						1	-	1
TOTAL MINES AND PLANTS:								
ALUMINUM ORE:								
LOUISIANA-----	1	-	-	-	1	23	-	2
TEXAS-----	1	-	-	-	6	23	-	29
TOTAL-----					7		-	31
COPPER:								
ARIZONA-----	1	1	-	-	2	-	-	4
MICHIGAN-----	-	-	-	-	1	1	-	1
MONTANA-----	-	-	-	-	1	1	-	1
UTAH-----	-	-	-	-	3	2	-	7
TOTAL-----								
GOLD:								
ALASKA-----	1	-	-	-	1	1	1	4
CALIFORNIA-----	-	-	1	-	1	-	-	2
COLORADO-----	-	-	1	-	-	-	-	1
IDAHO-----	-	-	-	1	-	-	-	1
MICHIGAN-----	-	-	-	1	-	-	-	1
MONTANA-----	1	-	-	-	-	5	-	7
NEVADA-----	1	-	-	1	-	-	-	2
SOUTH CAROLINA-----	-	-	-	-	-	28	-	28
SOUTH DAKOTA-----	-	-	-	-	-	-	-	-
TOTAL-----	3	-	2	3	2	36	3	49
IRON:								
MICHIGAN-----	-	-	-	-	-	4	1	5
MINNESOTA-----	-	-	-	-	-	3	-	3
TOTAL-----						7	1	8
LEAD-ZINC:								
ALASKA-----	-	-	-	-	-	-	1	1
TENNESSEE-----	1	-	-	-	-	-	-	1
TOTAL-----						-	1	2

TABLE 21. - OCCURRENCES REPORTED TO MSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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:								
MOLYBDENUM:								
COLORADO	-	-	-	-	-	2	-	2
TOTAL	-	-	-	-	-	2	-	2
SILVER:								
IDAHO	-	1	-	-	1	8	-	9
MONTANA	-	-	-	-	-	-	-	1
TOTAL	-	1	-	-	1	8	-	10
TITANIUM:								
FLORIDA	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
URANIUM:								
COLORADO	-	-	-	-	-	1	-	1
TOTAL	-	-	-	-	-	1	-	1
GRAND TOTAL:								
ALUMINUM ORE:								
LOUISIANA	1	-	-	-	1	23	-	2
TEXAS	-	-	-	-	6	-	-	29
TOTAL	1	-	-	-	7	23	-	31
COPPER:								
ARIZONA	1	1	-	-	2	-	-	4
MICHIGAN	-	-	-	-	1	1	-	1
MONTANA	-	-	-	-	1	1	-	1
UTAH	-	-	-	-	-	-	-	-
TOTAL	1	1	-	-	3	2	-	7
GOLD:								
ALASKA	1	-	-	-	1	1	1	4
CALIFORNIA	-	-	1	-	1	-	-	3
COLORADO	-	-	-	-	-	1	-	1
IDAHO	-	-	-	-	-	-	-	-
MICHIGAN	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-
NEVADA	1	-	-	-	-	5	-	2
SOUTH CAROLINA	1	-	-	-	-	-	-	1
SOUTH DAKOTA	1	-	-	-	-	28	-	28
TOTAL	3	-	2	3	2	36	3	49

TABLE 21. - OCCURRENCES REPORTED TO HSHA AS OCCUPATIONAL ILLNESSES AT METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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 (NONTRAUMATIC)	DISORDERS ASSOCIATED WITH REPEATED TRAUMA	ALL OTHER OCCUPATIONAL ILLNESSES	TOTAL OCCUPATIONAL ILLNESSES
GRAND TOTAL-CONT:								
IRON:								
MICHIGAN-----	-	-	-	-	-	4	1	5
MINNESOTA-----	-	-	-	-	-	3	-	3
TOTAL-----	-	-	-	-	-	7	1	8
LEAD-ZINC:								
ALASKA-----	-	-	-	-	-	-	-	-
TENNESSEE-----	1	-	-	-	-	-	-	1
TOTAL-----	1	-	-	-	-	-	1	2
MOLYBDENUM:								
COLORADO-----	-	-	-	-	-	2	-	2
TOTAL-----	-	-	-	-	-	2	-	2
SILVER:								
IDAHO-----	-	-	-	-	-	8	-	9
MONTANA-----	-	1	-	-	1	-	-	1
TOTAL-----	-	1	-	-	1	8	-	10
TITANIUM:								
FLORIDA-----	-	-	-	-	1	-	-	1
TOTAL-----	-	-	-	-	1	-	-	1
URANIUM:								
COLORADO-----	-	-	-	-	-	1	-	1
TOTAL-----	-	-	-	-	-	1	-	1
TOTAL OR AVERAGE-----	6	2	2	3	14	79	5	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, 1989
(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	.09	727	7.76	577	6.16	1,312	14.01	9,923	18,735,718
NONMETAL-----	2	.04	220	4.90	211	4.70	433	9.65	4,417	8,972,635
STONE-----	-	-	136	7.05	73	3.78	209	10.83	2,019	3,860,371
TOTAL, UNDERGROUND MINES-	10	.06	1,083	6.85	861	5.45	1,954	12.38	16,359	31,568,724
SURFACE MINES:										
METAL-----	1	.01	695	4.22	544	3.30	1,240	7.53	16,404	32,946,617
NONMETAL-----	1	.02	241	3.62	158	2.38	400	6.01	7,192	13,303,931
STONE-----	18	.06	1,561	5.36	1,115	3.83	2,694	9.24	29,912	58,281,232
SUBTOTAL, SURFACE MINES----	20	.04	2,497	4.78	1,817	3.48	4,334	8.29	53,508	104,531,780
SAND AND GRAVEL-----	3	.01	1,491	4.95	996	3.30	2,490	8.26	35,600	60,288,279
TOTAL, SURFACE MINES----	23	.03	3,988	4.84	2,813	3.41	6,824	8.28	89,108	164,820,059
TOTAL, MINES-----	33	.03	5,071	5.16	3,674	3.74	8,778	8.94	105,467	196,388,783
MILLS:										
METAL-----	2	.01	892	4.41	503	4.46	1,397	8.88	20,460	40,484,259
NONMETAL-----	1	.01	805	4.51	723	4.05	1,529	8.56	17,238	35,732,634
STONE-----	1	(*)	2,060	5.53	1,746	4.69	3,807	10.22	35,658	74,528,335
TOTAL, MILLS-----	4	.01	3,757	4.98	3,372	4.47	7,133	9.46	73,356	150,745,228
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-	-	15	3.97	12	3.18	27	7.15	355	754,830
NONMETAL-----	-	-	-	-	1	22.02	1	22.02	5	9,083
STONE-----	-	-	6	2.48	11	4.55	17	7.04	229	483,244
TOTAL, SHOPS AND YARDS----	-	-	21	3.37	24	3.85	45	7.22	599	1,247,157
ALL MINES, MILLS AND SHOPS:										
METAL-----	11	.02	2,329	5.01	2,036	4.38	4,376	9.42	47,152	92,921,424
NONMETAL-----	4	.01	1,266	4.36	1,093	3.77	2,363	8.15	28,852	58,018,283
STONE-----	19	.03	3,763	5.49	2,945	4.29	6,727	9.81	67,818	137,153,182
SUBTOTAL-----	34	.02	7,358	5.11	6,074	4.22	13,466	9.35	143,822	288,092,889
SAND AND GRAVEL-----	3	.01	1,491	4.95	996	3.30	2,490	8.26	35,600	60,288,279
TOTAL, MINES/MILLS/SHOPS----	37	.02	8,849	5.08	7,070	4.06	15,956	9.16	179,422	348,381,168
OFFICEWORKERS:										
METAL-----	-	-	11	.19	10	.17	21	.26	6,123	11,712,040
NONMETAL-----	-	-	4	.09	9	.21	13	.30	4,678	8,773,429
STONE-----	-	-	13	.14	15	.27	28	.30	10,963	21,074,826
SAND AND GRAVEL-----	-	-	9	.18	6	.12	15	.30	7,145	9,932,315
TOTAL, OFFICEWORKERS----	-	-	37	.14	40	.16	77	.30	28,909	51,512,610
SUMMARY TOTAL (INCLUDES OFFICE- WORKERS):										
METAL-----	11	.02	2,340	4.47	2,046	3.91	4,397	8.40	53,275	104,633,454
NONMETAL-----	4	.01	1,270	3.80	1,102	3.30	2,376	7.11	33,530	66,791,712
STONE-----	19	.02	3,776	4.77	2,960	3.74	6,755	8.54	78,781	158,228,008
SUBTOTAL-----	34	.02	7,386	4.48	6,108	3.71	13,528	8.21	155,586	329,653,184
SAND AND GRAVEL-----	3	.01	1,500	4.27	1,002	2.85	2,505	7.13	42,745	70,240,594
GRAND TOTAL-----	37	.02	8,886	4.44	7,110	3.56	16,033	8.02	208,331	399,893,778

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, 1989 (OPERATOR DATA)

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	MFDL	MFDL INCIDENCE RATE	NOL	NOL INCIDENT RATE	ALL OCCURRENCES	ALL INCIDENT RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)
BITUMINOUS COAL:											
UNDERGROUND MINES:	42	07	8,457	13.12	2,123	3.29	10,522	16.48	57,981	128,914,189	386,951,135
SURFACE MINES:	1	02	542	8.16	2,341	3.25	11,383	11.45	7,503	13,287,809	386,951,135
TOTAL UNDERGROUND MINES:	43	06	8,999	12.66				16.01	75,484	142,201,998	
SURFACE MINES:	14	03	1,536	3.59	1,009	2.27	2,519	5.89	43,995	88,888,078	573,868,448
STRIP MINES:	-	-	20	5.76	35	4.32	35	10.08	699	694,616	3,704,348
AUGER MINES:	-	-	7	3.13	5	2.24	12	5.37	323	447,338	945,467
OTHER SURFACE MINES:	-	-	1,523	3.61	1,029	2.29	2,566	5.92	44,927	90,030,032	578,538,263
TOTAL SURFACE MINES:	14	03	1,523	3.61	1,029	2.29	2,566	5.92	44,927	90,030,032	578,538,263
TOTAL PRODUCTION MINING:	57	05	10,522	9.15	3,370	2.90	14,049	12.10	120,411	232,232,030	965,489,398
PREPARATION PLANTS:	4	03	786	5.35	364	2.48	1,154	7.85	14,191	29,408,142	-
INDEPENDENT SHOPS/YARDS:	4	03	48	5.31	32	3.54	80	8.86	1,006	1,806,627	-
TOTAL OTHER OPERATIONS:	4	03	834	5.34	396	2.54	1,234	7.91	15,197	31,214,769	-
TOTAL BITUMINOUS MINING:	57	05	11,456	8.70	3,766	2.86	15,283	11.60	135,608	263,446,799	965,489,398
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES:	-	-	22	9.93	6	2.71	28	12.64	330	442,919	486,599
SURFACE MINES:	1	1.43	1	7.89	7	2.40	31	10.64	108	139,985	-
TOTAL UNDERGROUND MINES:	1	1.43	23	7.89	7	2.40	31	10.64	438	582,904	486,599
SURFACE MINES:	-	-	52	8.87	24	4.09	76	12.97	724	1,172,247	1,835,253
STRIP MINES:	-	-	8	6.40	2	1.60	10	8.60	154	250,117	338,088
CULM BANK:	-	-	-	-	-	-	-	-	-	5,615	2,100
DREDGE:	-	-	60	8.40	26	3.64	85	12.04	865	1,427,979	2,575,491
TOTAL SURFACE MINES:	-	-	83	8.26	33	3.28	117	11.84	1,323	2,010,883	3,062,090
TOTAL PRODUCTION MINING:	1	1.10	95	14.42	27	4.10	122	18.52	1,782	1,317,535	-
PREPARATION PLANTS:	-	-	-	-	-	-	-	-	37	69,468	-
INDEPENDENT SHOPS/YARDS:	-	-	95	13.70	27	3.89	122	17.59	799	1,387,003	-
TOTAL OTHER OPERATIONS:	-	-	178	10.48	60	3.53	239	14.07	2,122	3,397,886	3,062,090
TOTAL ANTHRACITE MINING:	1	05	178	10.48	60	3.53	239	14.07	2,122	3,397,886	3,062,090
ALL COAL:											
UNDERGROUND MINES:	42	06	8,479	13.11	2,129	3.29	10,550	16.47	58,311	129,357,108	387,437,734
SURFACE MINES:	2	03	543	8.09	219	3.25	764	11.38	7,511	13,437,734	-
TOTAL UNDERGROUND MINES:	44	06	9,022	12.64	2,348	3.29	11,414	15.99	75,922	142,794,902	387,437,734
SURFACE MINES:	14	03	1,548	3.66	1,033	2.29	2,595	5.98	44,629	90,066,325	575,723,701
STRIP MINES:	-	-	20	5.76	35	4.32	35	10.08	699	694,616	3,704,348
AUGER MINES:	-	-	7	3.13	5	2.17	12	5.37	323	447,338	945,467
OTHER SURFACE MINES:	-	-	1,536	3.59	1,009	2.27	2,519	5.89	43,995	88,888,078	573,868,448
TOTAL SURFACE MINES:	14	03	1,583	3.68	1,055	2.31	2,752	6.02	45,812	91,458,011	581,113,754
TOTAL PRODUCTION MINING:	58	05	10,705	9.14	3,403	2.91	14,166	12.10	121,734	234,242,913	968,551,488
PREPARATION PLANTS:	4	03	881	5.73	391	2.55	1,276	8.31	14,953	30,725,677	-
INDEPENDENT SHOPS/YARDS:	4	03	48	5.12	32	3.41	80	8.86	1,042	1,876,095	-
TOTAL OTHER OPERATIONS:	4	02	929	5.70	423	2.59	1,356	8.32	15,996	32,601,772	-
TOTAL ALL COAL:	62	05	11,634	8.72	3,826	2.87	15,522	11.53	137,730	256,844,685	968,551,488
OFFICEMEN:											
BITUMINOUS:	-	-	25	36	16	23	41	59	7,562	13,860,127	-
ANTHRACITE:	-	-	-	-	-	-	-	-	115	172,328	-
TOTAL OFFICEMEN:	-	-	25	36	16	23	41	58	7,677	14,032,455	-
GRAND TOTAL:	62	04	11,659	8.30	3,842	2.74	15,563	11.08	145,407	280,877,140	968,551,488

C O N T R A C T O R D A T A

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					
	22	22			22	22		21	
	23	23			23	23			23
Type of mineral	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, 1989

	EXCLUDING OFFICERWORKERS					INCLUDING OFFICERWORKERS				
	1985	1986	1987	1988	1989	1985	1986	1987	1988	1989
NUMBER OF INJURIES:										
FATAL-----	4	2	5	6	3	4	2	5	6	3
MFDI-----	139	158	281	415	403	141	159	285	417	415
TOTAL LWD INJURIES-----	143	160	286	421	406	145	161	290	423	418
MDL-----	83	117	203	344	284	89	119	203	348	292
TOTAL INJURIES-----	231	277	489	765	690	234	280	493	771	710
AVERAGE SEVERITY:										
PERMANENT PARTIAL-----	111	127	101	121	1, 140	111	127	101	121	995
TEMPORARY MFDI-----	30	21	25	25	19	31	22	25	25	19
ALL LWD INJURIES-----	200	100	153	129	99	197	100	151	128	97

TABLE 3. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION	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						
1	-	1	-	28	29	30	26	56	6,000	-	1,800	419	1,800	15	274	
-	-	-	-	24	24	24	6	30	-	-	-	385	-	16	16	
1	-	1	-	52	53	54	32	86	6,000	-	1,800	804	1,800	15	158	
2	-	5	-	122	127	129	96	225	12,000	-	12,125	2,995	2,425	25	210	
-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	-	5	-	122	127	129	97	226	12,000	-	12,125	2,995	2,425	25	210	
3	-	6	-	174	180	183	129	312	18,000	-	13,925	3,799	2,321	22	195	
INDEPENDENT SHOPS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PROCESSING PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	-	7	-	216	223	223	155	378	-	-	900	3,652	129	17	20	
3	-	13	-	330	403	406	284	690	18,000	-	14,825	7,451	1,140	19	99	
2	-	2	-	10	12	12	8	20	-	-	100	146	50	15	20	
3	-	15	-	400	415	418	292	710	18,000	-	14,925	7,597	995	19	97	
UNDERGROUND MINES:																
UNDERGROUND																
SURFACE AT UNDERGROUND																
TOTAL OR AVERAGE																
SURFACE MINES:																
OPEN PIT																
DRIFT																
OTHER SURFACE																
TOTAL OR AVERAGE																
INDEPENDENT SHOPS																
PROCESSING PLANTS:																
TOTAL OR AVERAGE																
TOTAL OR AVERAGE, ALL MINES AND PLANTS:																
OFFICE:																
TOTAL OR AVERAGE																
GRAND TOTAL OR AVERAGE:																
TOTAL OR AVERAGE																

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969

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
		TOTAL	PARTIAL	TEMPO- RARY	TOTAL NFDL					TOTAL NFDL						
											TOTAL	PARTIAL				
ALUMINUM ORE: PROCESSING PLANTS: LOUISIANA----- TEXAS----- TOTAL OR AVERAGE----	- - - -	- 1 1 -	1 39 40 -	1 40 41 -	1 40 41 -	- 22 22 -	1 62 63 -	- - - -	- - - -	- 300 300 -	32 1,269 1,501 -	- 300 300 -	32 33 33 -	32 39 39 -		
TOTAL OR AVERAGE, ALL MINES AND PLANTS: LOUISIANA----- TEXAS----- TOTAL OR AVERAGE----	- - - -	- 1 1 -	1 39 40 -	1 40 41 -	1 40 41 -	- 22 22 -	1 62 63 -	- - - -	- - - -	- 300 300 -	32 1,269 1,501 -	- 300 300 -	32 33 33 -	32 39 39 -		
GRAND TOTAL OR AVERAGE: LOUISIANA----- TEXAS----- TOTAL OR AVERAGE----	- - - -	- 1 1 -	1 39 40 -	1 40 41 -	1 40 41 -	- 22 22 -	1 62 63 -	- - - -	- - - -	- 300 300 -	32 1,269 1,501 -	- 300 300 -	32 33 33 -	32 39 39 -		
CHROMITE: UNDERGROUND MINES: UNDERGROUND: MONTANA----- TOTAL OR AVERAGE----	- - - -	- - - -	1 1 1 -	1 1 1 -	1 1 1 -	- - - -	1 1 1 -	- - - -	- - - -	- - - -	3 3 3 -	- - - -	3 3 3 -	3 3 3 -		
TOTAL OR AVERAGE, LG: MONTANA----- TOTAL OR AVERAGE----	- - -	- - -	2 2 -	2 2 -	2 2 -	- - -	2 2 -	- - -	- - -	- - -	38 38 -	- - -	19 19 -	19 19 -		
TOTAL OR AVERAGE, MINING: MONTANA----- TOTAL OR AVERAGE----	- - -	- - -	2 2 -	2 2 -	2 2 -	- - -	2 2 -	- - -	- - -	- - -	38 38 -	- - -	19 19 -	19 19 -		
TOTAL OR AVERAGE, ALL MINES AND PLANTS: MONTANA----- TOTAL OR AVERAGE----	- - -	- - -	2 2 -	2 2 -	2 2 -	- - -	2 2 -	- - -	- - -	- - -	38 38 -	- - -	19 19 -	19 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, 1989 (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				PERMANENT		TEMPO- RARY					TOTAL NFDL
								TOTAL	PARTIAL						
CHROME--CONTINUED: GRAND TOTAL OR AVERAGE: MONTANA----- TOTAL OR AVERAGE-----	- - -	- - -	2 2 -	2 2 -	2 2 -	2 2 -	- - -	- - -	- - -	38 38 -	- - -	- - -	38 38 -	19 19 -	
COPPER: UNDERGROUND MINES: UNDERGROUND: NEW MEXICO----- TOTAL OR AVERAGE-----	- - -	- - -	1 1 -	1 1 -	1 1 -	2 2 -	- - -	- - -	- - -	2 2 -	- - -	- - -	2 2 -	2 2 -	
SURFACE AT UNDERGROUND: ARIZONA----- TOTAL OR AVERAGE-----	- -	- -	5 6	6 6	6 6	6 6	- -	- -	- -	22 22	- -	- -	22 22	4 4	
TOTAL OR AVERAGE, UG: ARIZONA----- NEW MEXICO----- TOTAL OR AVERAGE-----	- - -	- - -	6 1 7	6 1 7	6 1 7	6 2 8	- - -	- - -	- - -	22 2 24	- - -	- - -	22 2 24	4 2 3	
SURFACE MINES: OPEN PIT: ARIZONA----- IDAHO----- MONTANA----- NEW MEXICO----- UTAH----- TOTAL OR AVERAGE-----	1 - - - - -	- - - 2 -	12 1 8 1 22	12 1 10 1 24	13 1 10 1 25	30 1 16 2 50	6,000 - - - 6,000	- - - - -	153 2 189 3 347	153 2 3,239 3 3,397	6,153 2 3,239 3 9,397	- - 1,525 - 1,525	13 2 24 3 16	473 2 324 3 376	
TOTAL OR AVERAGE, SURFACE: ARIZONA----- IDAHO----- MONTANA----- NEW MEXICO----- UTAH----- TOTAL OR AVERAGE-----	1 - - - -	- - - 2 -	12 1 8 1 22	12 1 10 1 24	13 1 10 1 25	30 1 16 2 50	6,000 - - - 6,000	- - - - -	153 2 189 3 347	153 2 3,239 3 3,397	6,153 2 3,239 3 9,397	- - 1,525 - 1,525	13 2 24 3 16	473 2 324 3 376	

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, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	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	TEMPO- RARY				TOTAL NFDL							
COPPER-CONTINUED:															
TOTAL OR AVERAGE, MINING:															
ARIZONA	1	-	18	18	19	36	17	6,000	-	-	175	6,175	-	10	325
IDAHO	-	-	1	1	1	1	1	-	-	-	2	2	-	2	2
MONTANA	-	-	9	11	11	18	7	-	-	3,050	191	3,241	1,525	21	255
NEW MEXICO	-	2	1	1	1	2	1	-	-	-	3	3	-	3	3
UTAH	-	-	1	1	1	1	1	-	-	-	371	9,421	1,525	13	294
TOTAL OR AVERAGE	1	2	29	31	32	58	26	6,000	-	3,050	371	9,421	1,525	13	294
PROCESSING PLANTS:															
ARIZONA	-	2	42	44	44	71	27	-	-	400	731	1,131	200	17	26
NEW MEXICO	-	-	3	3	3	4	1	-	-	-	38	38	-	13	13
TOTAL OR AVERAGE	-	2	45	47	47	75	28	-	-	400	769	1,169	200	17	25
TOTAL OR AVERAGE, ALL MINES AND PLANTS:															
ARIZONA	1	2	60	62	63	107	44	6,000	-	400	906	7,306	200	15	116
IDAHO	-	-	1	1	1	1	-	-	-	-	2	2	-	2	2
MONTANA	-	2	12	14	14	22	8	-	-	3,050	229	3,279	1,525	19	234
NEW MEXICO	-	2	1	1	1	2	1	-	-	-	3	3	-	3	3
UTAH	-	-	74	78	79	133	54	6,000	-	3,450	1,140	10,590	862	15	134
TOTAL OR AVERAGE	1	4	74	78	79	133	54	6,000	-	3,450	1,140	10,590	862	15	134
GRAND TOTAL OR AVERAGE:															
ARIZONA	1	2	60	62	63	107	44	6,000	-	400	906	7,306	200	15	116
IDAHO	-	-	1	1	1	1	-	-	-	-	2	2	-	2	2
MONTANA	-	-	12	14	14	22	8	-	-	3,050	229	3,279	1,525	19	234
NEW MEXICO	-	2	1	1	1	2	1	-	-	-	3	3	-	3	3
UTAH	-	-	74	78	79	133	54	6,000	-	3,450	1,140	10,590	862	15	134
TOTAL OR AVERAGE	1	4	74	78	79	133	54	6,000	-	3,450	1,140	10,590	862	15	134
GOLD:															
UNDERGROUND MINES:															
ALASKA	1	-	3	3	4	10	6	6,000	-	-	13	6,013	-	4	1,503
ARIZONA	-	-	2	2	2	5	3	-	-	-	72	72	-	36	36
COLORADO	-	-	2	2	2	4	4	-	-	-	60	60	-	30	30
MONTANA	-	-	8	8	8	12	6	-	-	-	163	163	-	20	20
NEVADA	-	-	5	5	5	11	1	-	-	-	54	54	-	11	11
NEW MEXICO	-	-	1	1	1	1	1	-	-	-	8	8	-	8	8
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	21	21	22	42	20	6,000	-	-	370	6,370	-	18	290

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, 1989 (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					
GOLD-CONTINUED: SURFACE AT UNDERGROUND: ALASKA----- ARIZONA----- CALIFORNIA----- COLORADO----- IDAHO----- MONTANA----- NEVADA----- NEW MEXICO----- WASHINGTON----- TOTAL OR AVERAGE-----	- - - - - - - - - -	- - - - - - - - - -	4 1 2 2 1 1 10	4 1 2 2 1 1 10	2 - - - - - - - - 2	6 1 2 2 1 - - - 12	- - - - - - - - -	26 13 18 119 5 - 181	26 13 18 119 5 - 181	- - - - - - - - -	6 13 9 60 5 - 18	6 13 9 60 5 - 18		
TOTAL OR AVERAGE LG: ALASKA----- ARIZONA----- CALIFORNIA----- COLORADO----- IDAHO----- MONTANA----- NEVADA----- NEW MEXICO----- WASHINGTON----- TOTAL OR AVERAGE-----	1 - - - - - - - - 1	- - - - - - - - -	7 2 3 10 7 2 31	8 2 3 10 7 2 32	8 3 4 6 - - 22	16 5 3 14 - - 54	6,000 - - - - - - 6,000	39 72 73 181 173 13 551	39 72 73 181 173 13 551	6,039 72 73 181 173 13 5,551	- - - - - - -	6 36 24 18 25 5 18	6 36 24 18 25 5 18	
SURFACE MINES: OPEN PIT: ARIZONA----- CALIFORNIA----- COLORADO----- IDAHO----- MONTANA----- NEVADA----- SOUTH CAROLINA----- SOUTH DAKOTA----- UTAH----- TOTAL OR AVERAGE-----	- - - - 1 - - - - 1	- - - - - - - - - -	4 5 3 4 13 45 2 7 6 89	4 5 3 4 14 48 2 7 6 92	1 - - - 12 37 4 10 1 85	5 5 3 4 26 85 6 17 7 158	- - - - 6,000 - - - - 6,000	36 16 80 132 302 1,553 75 210 51 2,455	36 16 80 132 302 1,553 75 210 51 2,455	36 16 80 132 302 10,528 75 210 51 9,075	- - - - - 3,025 - - - 3,025	9 3 27 33 23 35 38 30 8 28	9 3 27 33 23 35 38 30 8 28	
DREDGE: CALIFORNIA----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	1 - 1	1 - 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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	TOTAL					TOTAL NFDL						
			TEMPORARY	PARTIAL										
GOLD-CONTINUED:														
TOTAL OR AVERAGE, SURFACE:														
ALASKA	1	-	4	4	4	5	-	-	-	36	-	-	36	9
ARIZONA	-	-	5	5	5	3	-	-	-	16	-	-	16	3
CALIFORNIA	-	-	3	3	3	4	-	-	-	80	-	-	80	27
COLORADO	-	-	4	4	4	4	-	-	-	132	-	-	132	33
IDAHO	-	-	13	13	14	26	6,000	-	-	302	-	-	302	23
MONTANA	1	-	45	48	48	85	-	-	9,075	10,528	3,025	-	35	221
NEVADA	-	3	2	2	2	6	-	-	-	75	-	-	75	38
SOUTH CAROLINA	-	-	7	7	7	17	-	-	-	210	-	-	210	30
SOUTH DAKOTA	-	-	6	6	6	7	-	-	-	51	-	-	51	8
UTAH	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	3	89	92	93	159	6,000	-	9,075	11,530	3,025	-	28	188
TOTAL OR AVERAGE, MINING:														
ALASKA	1	-	7	7	8	16	6,000	-	-	39	-	-	39	755
ARIZONA	-	-	6	6	6	10	-	-	-	108	-	-	108	18
CALIFORNIA	-	-	6	6	6	6	-	-	-	16	-	-	16	3
COLORADO	-	-	4	4	4	4	-	-	-	153	-	-	153	26
IDAHO	-	-	23	23	24	40	6,000	-	-	132	-	-	132	33
MONTANA	1	-	52	55	55	98	-	-	9,075	483	3,025	-	21	270
NEVADA	-	3	2	2	2	1	-	-	-	10,801	-	-	10,801	196
NEW MEXICO	-	-	2	2	2	4	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	7	7	7	17	-	-	-	75	-	-	75	38
SOUTH DAKOTA	-	-	6	6	6	7	-	-	-	210	-	-	210	30
UTAH	-	-	2	2	2	2	-	-	-	51	-	-	51	8
WASHINGTON	-	-	-	-	-	2	-	-	-	13	-	-	13	6
TOTAL OR AVERAGE	2	3	120	123	125	213	12,000	-	9,075	12,081	3,025	-	25	193
PROCESSING PLANTS:														
CALIFORNIA	-	-	5	5	5	8	-	-	-	83	-	-	83	17
NEVADA	-	-	6	6	6	8	-	-	-	84	-	-	84	14
MONTANA	-	3	78	81	81	146	-	-	150	954	50	-	10	12
NEVADA	-	-	5	5	5	7	-	-	-	104	-	-	104	21
SOUTH CAROLINA	-	-	8	8	8	14	-	-	-	55	-	-	55	7
SOUTH DAKOTA	-	-	1	1	1	1	-	-	-	11	-	-	11	11
UTAH	-	-	6	6	6	7	-	-	-	105	-	-	105	18
WASHINGTON	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	3	109	112	112	191	-	-	150	1,396	50	-	11	12

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, 1989 (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						
GOLD-CONTINUED: TOTAL OR AVERAGE, ALL MINES AND PLANTS:															
ALASKA	1	-	7	8	16	6,000	-	-	-	39	-	39	6,039	755	6
ARIZONA	-	-	6	6	12	-	-	-	-	108	-	108	108	18	18
CALIFORNIA	-	-	10	10	20	-	-	-	-	99	-	99	99	10	10
COLORADO	-	-	6	6	12	-	-	-	-	153	-	153	153	26	26
IDAHO	-	-	4	4	8	-	-	-	-	132	-	132	132	33	33
MONTANA	1	-	29	30	59	6,000	-	-	-	567	-	567	6,567	219	20
NEVADA	-	6	136	136	244	-	9,225	-	-	2,550	1,538	11,755	11,755	86	19
NEW MEXICO	-	-	7	7	14	-	-	-	-	179	-	179	179	26	26
SOUTH CAROLINA	-	-	15	15	30	-	-	-	-	265	-	265	265	18	18
SOUTH DAKOTA	-	-	7	7	14	-	-	-	-	62	-	62	62	9	9
UTAH	-	-	8	8	16	-	-	-	-	118	-	118	118	15	15
WASHINGTON	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	6	229	237	404	12,000	9,225	4,252	13,477	25,477	1,538	19	25,477	107	15
OFFICE:	-	-	1	1	2	-	-	-	15	15	-	15	15	5	5
NEVADA	-	-	1	1	2	-	-	-	5	5	-	5	5	10	10
UTAH	-	-	2	2	4	-	-	-	20	20	-	20	20	10	10
TOTAL OR AVERAGE	-	-	2	2	4	-	-	-	20	20	-	20	20	10	10
GRAND TOTAL OR AVERAGE:															
ALASKA	1	-	7	8	16	6,000	-	-	-	39	-	39	6,039	755	6
ARIZONA	-	-	6	6	12	-	-	-	-	108	-	108	108	18	18
CALIFORNIA	-	-	10	10	20	-	-	-	-	99	-	99	99	10	10
COLORADO	-	-	6	6	12	-	-	-	-	153	-	153	153	26	26
IDAHO	-	-	4	4	8	-	-	-	-	132	-	132	132	33	33
MONTANA	1	-	29	30	59	6,000	-	-	-	567	-	567	6,567	219	20
NEVADA	-	6	131	137	245	-	9,225	-	-	2,545	1,538	11,770	11,770	86	19
NEW MEXICO	-	-	7	7	14	-	-	-	-	179	-	179	179	26	26
SOUTH CAROLINA	-	-	15	15	30	-	-	-	-	265	-	265	265	18	18
SOUTH DAKOTA	-	-	7	7	14	-	-	-	-	67	-	67	67	8	8
UTAH	-	-	8	8	16	-	-	-	-	118	-	118	118	15	15
WASHINGTON	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	6	231	239	406	12,000	9,225	4,272	13,497	25,497	1,538	18	25,497	107	15
IRON:															
SURFACE MINES:															
OPEN PIT:	-	-	1	1	2	-	-	-	33	33	-	33	33	33	33
MINNESOTA	-	-	1	1	2	-	-	-	33	33	-	33	33	33	33
TOTAL OR AVERAGE	-	-	1	1	2	-	-	-	33	33	-	33	33	33	33

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, 1989 (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	
		TOTAL	PARTIAL	TOTAL				TEMPO- RARY	TOTAL NFDL						
										PERMANENT					TOTAL
IRON-CONTINUED: TOTAL OR AVERAGE, SURFACE MINNESOTA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, MINING: MINNESOTA----- TOTAL OR AVERAGE----- PROCESSING PLANTS: MINNESOTA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: MINNESOTA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: MINNESOTA----- TOTAL OR AVERAGE----- LEAD-ZINC: UNDERGROUND MINES: UNDERGROUND: COLORADO----- MISSOURI----- WASHINGTON----- TOTAL OR AVERAGE----- SURFACE AT UNDERGROUND: MISSOURI----- 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, 1989 (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				TOTAL	PARTIAL						
LEAD-ZINC-CONTINUED: TOTAL OR AVERAGE, UG: COLORADO----- MISSOURI----- WASHINGTON----- TOTAL OR AVERAGE----- SURFACE MINES: OPEN PIT: ALASKA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, SURFACE: ALASKA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, MINING: ALASKA----- COLORADO----- MISSOURI----- WASHINGTON----- TOTAL OR AVERAGE----- PROCESSING PLANTS: ALASKA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: ALASKA----- COLORADO----- MISSOURI----- WASHINGTON----- TOTAL OR AVERAGE----- OFFICE: ALASKA----- TOTAL OR AVERAGE-----	- 														

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		PERMANENT	TEMPO- RARY	TOTAL NFIDL				TOTAL	PARTIAL								
LEAD-ZINC-CONTINUED: GRAND TOTAL OR AVERAGE: ALASKA----- COLORADO----- MISSOURI----- WASHINGTON----- TOTAL OR AVERAGE----- MOLYBDENUM: SURFACE MINES: OPEN PIT: NEVADA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, SURFACE: NEVADA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, MINING: NEVADA----- TOTAL OR AVERAGE----- PROCESSING PLANTS: NEVADA----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: NEVADA----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: NEVADA----- TOTAL OR AVERAGE-----	- -<																

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (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	PERM- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL						
PLATINUM: UNDERGROUND MINES: SURFACE AT UNDERGROUND: MONTANA	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
TOTAL OR AVERAGE	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
TOTAL OR AVERAGE, IG: MONTANA	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
TOTAL OR AVERAGE	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
TOTAL OR AVERAGE, MINING: MONTANA	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
TOTAL OR AVERAGE	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
TOTAL OR AVERAGE, ALL MINES AND PLANTS: MONTANA	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
TOTAL OR AVERAGE	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
GRAND TOTAL OR AVERAGE: MONTANA	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
TOTAL OR AVERAGE	-	-	1	1	1	-	-	1	-	-	-	57	57	-	57	57
SILVER: UNDERGROUND MINES: UNDERGROUND: IDAHO	-	-	3	3	3	3	3	6	-	-	-	38	38	-	13	13
MONTANA	-	-	1	1	1	-	-	1	-	-	-	3	3	-	3	3
TOTAL OR AVERAGE	-	-	4	4	4	3	3	7	-	-	-	41	41	-	10	10
SURFACE AT UNDERGROUND: MONTANA	-	-	-	-	-	2	2	2	-	-	-	-	-	-	-	-
NEVADA	-	-	2	2	2	-	-	2	-	-	-	17	17	-	8	8
TOTAL OR AVERAGE	-	-	2	2	2	2	2	4	-	-	-	17	17	-	8	8

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, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NEDL			TOTAL FATAL AND NEDL	NOL	TOTAL INJURIES	FATAL	NEDL			TOTAL FATAL AND NEDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NEDL
		PERMANENT	TEMPO- RARY	TOTAL NEDL					TOTAL	PARTIAL	TOTAL NEDL				
SILVER-CONTINUED: TOTAL OR AVERAGE, UG: IDAHO----- MONTANA----- NEVADA----- TOTAL OR AVERAGE-----	- - - -	3 1 2 6	3 1 2 6	3 1 2 5	6 2 2 11	- - - -	- - - -	38 3 17 58	38 3 17 58	- - - -	13 3 8 10	13 3 8 10			
TOTAL OR AVERAGE, MINING: IDAHO----- MONTANA----- NEVADA----- TOTAL OR AVERAGE-----	- - - -	3 1 2 6	3 1 2 6	3 1 2 5	6 2 2 11	- - - -	- - - -	38 3 17 58	38 3 17 58	- - - -	13 3 8 10	13 3 8 10			
PROCESSING PLANTS: ALASKA----- NEVADA----- TOTAL OR AVERAGE-----	- - -	4 - 4	4 - 4	2 1 3	6 1 7	- - -	- - -	21 - 21	21 - 21	- - -	5 - 5	5 - 5			
TOTAL OR AVERAGE, ALL MINES AND PLANTS: ALASKA----- IDAHO----- MONTANA----- NEVADA----- TOTAL OR AVERAGE-----	- - - - -	4 3 2 10	4 3 2 10	2 3 1 8	6 6 3 18	- - - -	- - - -	21 38 3 79	21 38 3 79	- - - -	5 13 3 8	5 13 3 8			
GRAND TOTAL OR AVERAGE: ALASKA----- IDAHO----- MONTANA----- NEVADA----- TOTAL OR AVERAGE-----	- - - - -	4 3 2 10	4 3 2 10	2 3 1 8	6 6 3 18	- - - -	- - - -	21 38 3 79	21 38 3 79	- - - -	5 13 3 8	5 13 3 8			
URANIUM: SURFACE MINES: OPEN PIT: MICHIGAN----- TOTAL OR AVERAGE-----	- - - -	1 1 1	1 1 1	- - -	1 1 1	- - -	- - -	42 42 42	42 42 42	- - -	42 42 42	42 42 42			

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, 1989 (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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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URANIUM-CONTINUED: TOTAL OR AVERAGE, SURFACE: WYOMING----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, MINING: WYOMING----- TOTAL OR AVERAGE----- PROCESSING PLANTS: NEW MEXICO----- TEXAS----- UTAH----- WYOMING----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, ALL MINES AND PLANTS: NEW MEXICO----- TEXAS----- UTAH----- WYOMING----- TOTAL OR AVERAGE----- GRAND TOTAL OR AVERAGE: NEW MEXICO----- TEXAS----- UTAH----- WYOMING----- TOTAL OR AVERAGE----- OTHER METALS, NEC: UNDERGROUND MINES: UTAH----- TOTAL OR AVERAGE----- TOTAL OR AVERAGE, LG: UTAH----- TOTAL OR AVERAGE-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	MDL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
OTHER METALS, NEC-CONTINUED: TOTAL OR AVERAGE, MINING: UTAH	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, ALL MINES AND PLANTS: UTAH	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
GRAND TOTAL OR AVERAGE: UTAH	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
ALL METALLIC MINERALS: UNDERGROUND MINES: UNDERGROUND:	1	-	-	-	-	6	10	6,000	-	-	13	-	4	1,503	36
ALASKA	-	-	-	-	-	3	5	-	-	-	72	-	36	30	13
ARIZONA	-	-	-	-	-	3	3	-	-	-	60	-	30	30	13
COLORADO	-	-	-	-	-	3	6	-	-	-	38	-	13	1800	17
IDAHO	-	-	-	-	-	1	1	-	-	-	180	-	17	11	2
MISSOURI	-	1	-	-	-	4	14	-	-	-	169	-	2	2	6
MONTANA	-	-	-	-	-	5	3	-	-	-	54	-	-	-	-
NEVADA	-	-	-	-	-	1	1	-	-	-	2	-	-	-	-
NEW MEXICO	-	-	-	-	-	2	2	-	-	-	11	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	-	1	28	29	26	56	6,000	1,800	419	2,219	1,800	15	274	6
SURFACE AT UNDERGROUND:	-	-	-	-	-	2	6	-	-	-	26	-	6	4	13
ALASKA	-	-	-	-	-	4	6	-	-	-	22	-	4	13	26
ARIZONA	-	-	-	-	-	6	1	-	-	-	13	-	22	28	34
COLORADO	-	-	-	-	-	1	3	-	-	-	63	-	28	34	5
MISSOURI	-	-	-	-	-	2	6	-	-	-	110	-	136	15	16
MONTANA	-	-	-	-	-	4	4	-	-	-	136	-	-	-	-
NEVADA	-	-	-	-	-	1	1	-	-	-	15	-	-	-	-
WASHINGTON	-	-	-	-	-	3	30	-	-	-	385	-	-	-	-
TOTAL OR AVERAGE	-	-	24	24	24	6	30	-	-	-	385	-	-	-	-

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, 1989 (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	TEMPO- RARY	TOTAL NFIDL				PERMANENT						TOTAL NFIDL
								TOTAL	PARTIAL					
ALL METALLIC-CONTINUED: TOTAL OR AVERAGE, U.S.														
ALASKA	1	-	7	-	8	16	8	6,000	-	-	6,008	-	6	755
ARIZONA	-	-	8	-	8	11	3	-	-	-	94	-	12	12
CALIFORNIA	-	-	3	-	3	4	1	-	-	-	73	-	24	24
COLORADO	-	-	3	-	3	6	1	-	-	-	38	-	13	13
IDAHO	-	-	2	-	2	4	-	-	-	-	1,800	-	32	621
MISSOURI	-	-	14	-	14	20	14	-	-	-	1,863	-	20	20
MONTANA	-	-	9	-	9	15	9	-	-	-	279	-	21	21
NEVADA	-	-	1	-	1	3	1	-	-	-	190	-	2	2
NEW MEXICO	-	-	1	-	1	1	1	-	-	-	2	-	5	5
UTAH	-	-	5	-	5	6	5	-	-	-	26	-	15	15
WASHINGTON	-	-	53	-	54	86	54	6,000	-	-	8,604	-	15	159
TOTAL OR AVERAGE	1	-	52	1	54	86	54	6,000	-	-	8,604	-	15	159
SURFACE MINES: OPEN PIT:														
ALASKA	-	-	8	-	8	13	8	6,000	-	-	6,008	-	12	12
ARIZONA	1	-	16	-	17	35	18	-	-	-	189	-	12	364
CALIFORNIA	-	-	5	-	5	5	5	-	-	-	80	-	3	3
COLORADO	-	-	3	-	3	5	3	-	-	-	134	-	27	27
IDAHO	-	-	5	-	5	2	5	-	-	-	33	-	27	27
MINNESOTA	-	-	1	-	1	2	1	-	-	-	302	-	33	33
MONTANA	1	-	13	-	14	27	13	-	-	-	5,302	-	23	450
NEVADA	-	-	49	-	49	86	49	-	-	-	10,560	-	24	217
NEW MEXICO	-	-	8	-	10	16	8	-	-	-	3,026	-	24	304
SOUTH CAROLINA	-	-	2	-	2	4	2	-	-	-	1,525	-	30	38
SOUTH DAKOTA	-	-	7	-	7	17	7	-	-	-	75	-	8	8
UTAH	-	-	7	-	7	9	7	-	-	-	210	-	42	42
WYOMING	-	-	1	-	1	1	1	-	-	-	42	-	25	25
TOTAL OR AVERAGE	2	-	122	5	129	225	95	12,000	-	-	15,120	-	25	210
DEEDS:														
CALIFORNIA	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	-	-	-	-	-	-	-	-

TABLE 7. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFIL			TOTAL FATAL AND NFIL	NFIL	FATAL	NFIL			TOTAL FATAL AND NFIL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIL	
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL	PARTIAL						
ALL METALLIC-CONTINUED:															
TOTAL OR AVERAGE, SURFACE:															
ALASKA-----	-	-	-	8	5	13	-	6,000	-	96	189	-	12	12	12
ARIZONA-----	1	-	-	16	18	35	-	-	-	16	16	-	3	3	364
CALIFORNIA-----	-	-	-	3	1	4	-	-	-	80	80	-	27	27	27
COLORADO-----	-	-	-	3	-	3	-	-	-	134	134	-	33	33	33
IDAHO-----	-	-	-	5	1	6	-	-	-	32	32	-	23	23	450
MINNESOTA-----	-	-	-	1	13	27	-	6,000	-	302	302	3,025	34	34	217
MONTANA-----	1	-	-	49	37	86	-	-	-	10,650	10,650	1,525	24	24	324
NEVADA-----	-	-	-	10	6	16	-	-	-	3,239	3,239	-	38	38	38
NEW MEXICO-----	-	-	-	2	4	6	-	-	-	75	75	-	30	30	30
SOUTH CAROLINA-----	-	-	-	7	10	17	-	-	-	210	210	-	8	8	8
SOUTH DAKOTA-----	-	-	-	7	2	9	-	-	-	54	54	-	42	42	42
UTAH-----	-	-	-	1	-	1	-	-	-	42	42	-	25	25	210
WYOMING-----	-	-	-	127	97	226	-	12,000	-	2,955	15,120	2,425	25	25	210
TOTAL OR AVERAGE-----	2	-	5	127	129	226	-	6,000	-	135	283	-	9	9	383
TOTAL OR AVERAGE, MINING:															
ALASKA-----	1	-	-	15	13	28	-	6,000	-	135	135	-	12	12	251
ARIZONA-----	1	-	-	24	21	46	-	6,000	-	283	283	-	3	3	3
CALIFORNIA-----	-	-	-	5	1	6	-	-	-	16	16	-	26	26	26
COLORADO-----	-	-	-	6	1	7	-	-	-	153	153	-	22	22	22
IDAHO-----	-	-	-	8	3	11	-	-	-	172	172	-	33	33	33
MINNESOTA-----	-	-	-	1	1	2	-	-	-	33	33	-	32	32	621
MISSOURI-----	-	-	-	3	1	4	-	-	-	63	63	-	22	22	235
MONTANA-----	1	-	-	27	19	47	-	6,000	-	581	581	-	32	32	187
NEVADA-----	-	-	-	58	43	101	-	-	-	10,840	10,840	3,025	21	21	295
NEW MEXICO-----	-	-	-	11	8	19	-	-	-	3,241	3,241	1,525	38	38	38
SOUTH CAROLINA-----	-	-	-	2	4	6	-	-	-	75	75	-	30	30	30
SOUTH DAKOTA-----	-	-	-	7	10	17	-	-	-	210	210	-	8	8	8
UTAH-----	-	-	-	7	3	10	-	-	-	54	54	-	5	5	5
WASHINGTON-----	-	-	-	5	1	6	-	-	-	26	26	-	42	42	42
WYOMING-----	-	-	-	1	-	1	-	-	-	42	42	-	22	22	195
TOTAL OR AVERAGE-----	3	-	6	180	129	312	-	18,000	-	3,799	17,724	2,321	22	22	195

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, 1989 (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		
		PERMANENT	TEMPO- RARY	TOTAL				TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL						
										TOTAL				PARTIAL	TOTAL
ALL METALLIC-CONTINUED: PROCESSING PLANTS: ALASKA----- ARIZONA----- CALIFORNIA----- LOUISIANA----- MINNESOTA----- MONTANA----- NEVADA----- NEW MEXICO----- SOUTH CAROLINA----- SOUTH DAKOTA----- TEXAS----- UTAH----- WASHINGTON----- WYOMING----- TOTAL OR AVERAGE-----	- - - - - - - - - - - - - - -	1 2 - - - 3 - - - 1 - - - 7	13 42 5 1 4 79 4 5 8 40 2 6 1 216	14 44 5 1 4 82 4 5 8 41 2 6 1 223	14 44 5 1 4 82 4 5 8 41 2 6 1 223	30 71 8 1 8 150 5 7 14 63 4 7 1 378	- - - - - - - - - - - - - -	16 27 3 - 4 68 2 2 6 22 2 - - 155	233 1,131 83 32 33 84 955 39 104 55 1,591 76 105 31 4,552	50 400 - - - 150 - - - 300 - - - 900	183 731 83 32 33 84 895 39 104 55 1,291 76 105 31 3,552	233 1,131 83 32 33 84 955 39 104 55 1,591 76 105 31 4,552	50 400 - - - 150 - - - 300 - - - 900	14 17 17 32 8 14 10 10 21 7 32 38 18 31 17	17 26 17 32 8 14 10 10 21 7 32 38 18 31 20
TOTAL OR AVERAGE ALL MINES AND PLANTS: ALASKA----- ARIZONA----- CALIFORNIA----- COLORADO----- IDAHO----- LOUISIANA----- MINNESOTA----- MISSOURI----- MONTANA----- NEVADA----- NEW MEXICO----- SOUTH CAROLINA----- SOUTH DAKOTA----- TEXAS----- UTAH----- WASHINGTON----- WYOMING----- TOTAL OR AVERAGE-----	1 1 - - - - - - - 1 - - - - - - 3	1 2 - - - - - - - 6 2 - - - - 13	28 66 10 6 8 1 5 2 33 134 13 15 15 40 9 11 2 390	26 63 10 6 8 1 5 3 33 140 15 7 15 41 9 11 2 403	26 63 10 6 8 1 5 3 33 140 15 7 15 41 9 11 2 403	59 117 14 7 11 1 10 4 55 251 25 13 31 63 14 13 2 690	6,000 6,000 - - - - - - - 6,000 - - - - - 18,000	29 48 4 1 3 - 5 - 21 111 10 6 16 22 5 2 284	368 1,414 96 153 172 32 66 63 655 11,795 3,286 179 265 1,591 130 131 73 22,276	50 400 - - - - - 1,800 9,275 3,050 - 300 - - - 14,825	318 1,014 96 153 172 32 66 63 655 2,570 270 179 265 1,291 130 131 73 7,451	368 1,414 96 153 172 32 66 63 655 11,795 3,286 179 265 1,591 130 131 73 22,276	50 400 - - - - - 1,800 9,275 3,050 - 300 - - - 14,825	11 15 10 26 22 32 13 32 20 19 18 32 14 12 36 19	212 107 10 26 22 32 13 32 20 19 18 32 14 12 36 99
OFFICE: ALASKA----- NEVADA----- UTAH----- TOTAL OR AVERAGE-----	- - - -	2 - - 2	8 1 1 10	10 1 1 12	10 1 1 12	18 1 1 20	- - - -	8 - - 8	226 15 5 246	50 - - 50	16 15 5 15	23 15 5 20			

TABLE 7. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY TYPE OF MINERAL, WORK LOCATION, AND STATE
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

TYPE OF MINERAL, WORK LOCATION AND STATE	NUMBER OF INJURIES						LOST HOURS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	TEMPO- RARY				TOTAL	PARTIAL						
1	-	3	-	40	77	6,000	-	150	444	594	50	12	165		
1	-	2	-	69	117	6,000	-	400	1,014	1,414	200	15	107		
-	-	-	-	10	14	-	-	-	99	99	-	10	10		
-	-	-	-	6	7	-	-	-	153	153	-	26	26		
-	-	-	-	8	11	-	-	-	172	172	-	22	22		
-	-	-	-	1	1	-	-	-	32	32	-	32	32		
-	-	-	-	1	1	-	-	-	66	66	-	13	13		
-	-	-	-	5	10	-	-	-	1,863	1,863	1,800	32	621		
-	-	-	-	3	4	-	-	-	665	665	-	20	196		
1	-	1	-	34	55	6,000	-	-	2,585	11,810	1,538	19	84		
-	-	-	-	141	252	-	-	9,225	230	3,280	1,525	16	219		
-	-	6	-	15	26	-	-	3,050	179	179	-	26	26		
-	-	2	-	7	13	-	-	-	265	265	-	18	18		
-	-	-	-	15	31	-	-	-	265	265	-	32	33		
-	-	1	-	41	63	-	-	300	1,291	1,591	300	14	14		
-	-	-	-	10	15	-	-	-	135	135	-	12	12		
-	-	-	-	11	13	-	-	-	131	131	-	36	36		
-	-	-	-	2	2	-	-	-	73	73	-	-	-		
-	-	15	-	418	710	18,000	-	14,925	7,587	22,522	995	19	97		
ALL METALLIC-CONTINUED: GRAND TOTAL OR AVERAGE:	3	-	15	-	418	710	18,000	-	14,925	7,587	22,522	995	19	97	

TABLE 9. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND PART OF BODY INJURED
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY						
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		PERMANENT	TEMPO- RARY	TOTAL					TOTAL NFDL	TOTAL NFDL							
											TOTAL					PARTIAL	TOTAL
UNDERGROUND MINES: UNDERGROUND:	-	-	-	-	-	1	1	-	-	-	1,801	1	1,801	-	900		
EAR-----	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-		
EYE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
JAW-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
FACE, NEC-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
ELBOW-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
WRIST-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
HAND-----	-	-	-	-	-	3	2	-	-	-	-	-	-	-	-		
FINGER(S)-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-		
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-		
BACK-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
CHEST-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-		
PELVIC REGION-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-		
SHOULDER(S)-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
TRUNK, NEC-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
THIGH-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
KNEE-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
ANKLE-----	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-		
FOOT-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-		
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-		
BODY SYSTEMS-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-		
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE-----	1	-	1	28	29	30	26	6,000	-	1,800	419	1,800	15	2,219	274		
SURFACE AT UNDERGROUND:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EYE-----	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-		
HEAD, NEC-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
WRIST-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
HAND-----	-	-	-	-	-	3	2	-	-	-	-	-	-	-	-		
FINGER(S)-----	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-		
UPPER EXTREMITIES, NEC-----	-	-	-	-	-	8	1	-	-	-	-	-	-	-	-		
BACK-----	-	-	-	-	-	10	2	-	-	-	-	-	-	-	-		
CHEST-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
SHOULDER(S)-----	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-		
FOOT-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
LOWER EXTREMITIES, NEC-----	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-		
MULTIPLE PARTS OF BODY-----	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-		
TOTAL OR AVERAGE-----	-	-	-	24	24	30	6	-	-	-	385	-	16	385	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, 1969 (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	TOTAL						TEMPORARY	TOTAL	PARTIAL					
			TOTAL	PARTIAL												
TOTAL OR AVERAGE, LC																
EAR					3	1	15			1,800		1,800				601
EYE					1	1	1									3
JAW					1	1	1									5
FACE, NEC					1	1	1									13
HEAD, NEC					1	1	1									13
ELBOW					2	2	2									13
Wrist					4	4	4									13
HAND					5	5	5									13
FINGERS					5	5	5									13
UPPER EXTREMITIES, NEC					11	11	11									23
BACK					9	9	9									24
CHEST					9	9	9									30
PELVIC REGION					9	9	9									32
SHOULDER(S)					1	1	1									32
TRUNK, NEC					4	4	4									23
KNEE					4	4	4									30
ANKLE					4	4	4									32
FOOT					5	5	5									32
LOWER EXTREMITIES, NEC					9	9	9	6,000				6,012				2,003
BODY SYSTEMS					4	4	4									
MULTIPLE PARTS OF BODY					5	5	5	5,000		1,800		6,804	1,800			159
TOTAL OR AVERAGE					54	32	86									
SURFACE MINES					8	10	14									
OPEN PIT					1	2	3									
EYE					1	1	1									3
MOUTH, TEETH/TONGUE					1	1	1									1
NOSE					1	1	1									1
FACE, NEC					1	1	1									1
HEAD, NEC					1	1	1									1
NECK					1	1	1									1
ELBOW					1	1	1									1
FOREARM					1	1	1									1
Wrist					1	1	1									1
HAND					1	1	1									1
FINGERS					1	1	1									1
UPPER EXTREMITIES, NEC					1	1	1									1
BACK					1	1	1									1
CHEST					1	1	1									1
PELVIC REGION					1	1	1									1
SHOULDER(S)					1	1	1									1
TRUNK, NEC					1	1	1									1
THIGH					1	1	1									1
KNEE					1	1	1									1
LOWER LEG					1	1	1									1
ANKLE					1	1	1									1
FOOT					1	1	1									1
LOWER EXTREMITIES, NEC					1	1	1									1
BODY SYSTEMS					1	1	1									1
MULTIPLE PARTS OF BODY					1	1	1									1
UNCLASSIFIED					1	1	1									1
TOTAL OR AVERAGE	2			5	127	96	225	12,000		12,125		27,120	2,425		25	210

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, 1989 (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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	TEMPO- RARY	TOTAL NFDL				TOTAL	PERMANENT	PARTIAL						
TOTAL OR AVERAGE, MINING:																
EAR.....	-	-	-	-	-	1	-	-	-	-	1,853	-	63	1,853	-	169
EYE.....	-	-	10	-	11	19	-	-	-	-	-	-	-	-	6	-
JAW.....	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE.....	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
NOSE.....	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
FACE, NEC.....	-	-	2	-	2	4	6,000	-	-	-	15	1	-	1	-	-
HEAD, NEC.....	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2,005
NECK.....	-	-	1	-	1	3	-	-	-	-	-	-	-	-	-	1
ELBOW.....	-	-	2	-	2	4	-	-	-	-	-	-	-	-	-	-
FOREARM.....	-	-	7	-	7	14	-	-	4,500	-	58	58	-	4,500	29	29
WRIST.....	-	-	8	-	8	16	-	-	-	-	85	-	-	-	-	12
HAND.....	-	-	16	-	17	45	-	-	-	-	87	-	-	-	-	11
FINGER(S).....	-	-	5	-	5	10	-	-	75	-	88	-	-	-	-	15
UPPER EXTREMITIES, NEC.....	-	-	44	-	45	65	-	-	7,500	-	1,216	-	-	-	-	18
BACK.....	-	-	4	-	4	9	-	-	-	-	41	-	-	-	-	10
CHEST.....	-	-	8	-	9	10	-	-	50	-	116	-	-	-	-	16
PELVIC REGION.....	-	-	9	-	9	10	-	-	-	-	143	-	-	-	-	16
SHOULDER(S).....	-	-	9	-	9	10	-	-	-	-	143	-	-	-	-	11
TRUNK, NEC.....	-	-	3	-	3	5	-	-	-	-	32	-	-	-	-	2
THIGH.....	-	-	1	-	1	2	-	-	-	-	2	-	-	-	-	-
KNEE.....	-	-	1	-	1	8	-	-	-	-	211	-	-	-	-	19
LOWER LEG.....	-	-	7	-	7	19	-	-	-	-	96	-	-	-	-	96
ANKLE.....	-	-	7	-	7	12	-	-	-	-	234	-	-	-	-	33
FOOT.....	-	-	11	-	11	19	-	-	-	-	197	-	-	-	-	28
LOWER EXTREMITIES, NEC.....	-	-	3	-	3	6	-	-	-	-	565	-	-	-	-	51
BODY SYSTEMS.....	1	-	13	-	14	19	6,000	-	-	-	13	-	-	-	-	1,503
MULTIPLE PARTS OF BODY.....	1	-	-	-	-	2	6,000	-	-	-	349	-	-	-	-	454
UNCLASSIFIED.....	-	-	-	-	-	312	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE.....	3	6	174	-	180	312	18,000	13,925	-	-	17,724	2,321	22	35,724	2,321	195

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, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY				
	FATAL	NFIDL				TOTAL FATAL AND NFIDL	NFIDL	FATAL	PERMANENT			TEMPORARY	TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL	
		TOTAL	PARTIAL	TOTAL	PARTIAL				TOTAL	PARTIAL							
PROCESSING PLANTS:																	
EAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARM/SHOULDER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THIGH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	7	216	223	223	155	-	900	3,652	4,552	129	17	20				

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, 1989 (CONTINUED)

WORK LOCATION AND PART OF BODY INJURED		NUMBER OF INJURIES						LOST WORKDAYS				AVERAGE SEVERITY				
		FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NFDL	FATAL	NFDL		TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
			TOTAL	PARTIAL	TOTAL					PARTIAL						
TOTAL OR AVERAGE	-	-	-	-	-	-	57	-	-	-	1,907	1,800	-	5	-	33
EAR	-	-	-	-	-	-	34	-	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
HEAD	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-
THROAT	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-
NECK, NEC	-	-	-	-	-	-	39	-	-	-	-	-	-	-	-	-
ELBOW	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-
FOREARM	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	-	88	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-
UPPER EXTREMITIES, NEC	-	-	-	-	-	-	23	-	-	-	-	-	-	-	-	-
ABDOMEN	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-
TRUNK, NEC	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
THIGH	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-
ANKLE	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
TOE(S)	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-
UNCLASSIFIED	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	13	390	403	406	590	284	18,000	14,825	7,451	22,276	1,140	19	59		
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAR	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
HEAD, NEC	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
NECK	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
HAND	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
FINGER(S)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
BACK	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
CHEST	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
PELVIC REGION	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
SHOULDER(S)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
KNEE	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
FOOT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	2	10	12	12	20	8	-	100	146	246	50	15	20		

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, 1989 (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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL	PARTIAL	TOTAL NFDL				
GRAND TOTAL OR AVERAGE:	3	15	400	415	418	710	18,000	14,925	7,557	22,522	45,522	995	19	
EAR	-	-	-	-	-	3	-	-	-	-	-	-	-	
EYE	-	-	-	-	-	57	-	-	-	-	-	-	-	
JAW	-	-	-	-	-	1	-	-	-	-	-	-	-	
MOUTH/TEETH/TONGUE	-	-	-	-	-	3	-	-	-	-	-	-	-	
NOSE	-	-	-	-	-	3	-	-	-	-	-	-	-	
FACE NEC	-	-	-	-	-	3	-	-	-	-	-	-	-	
HEAD NEC	-	-	-	-	-	3	-	-	-	-	-	-	-	
NECK	-	-	-	-	-	3	-	-	-	-	-	-	-	
ELBOW	-	-	-	-	-	3	-	-	-	-	-	-	-	
FOREARM	-	-	-	-	-	3	-	-	-	-	-	-	-	
WRIST	-	-	-	-	-	3	-	-	-	-	-	-	-	
HAND	-	-	-	-	-	3	-	-	-	-	-	-	-	
FINGER(S)	-	-	-	-	-	3	-	-	-	-	-	-	-	
UPPER EXTREMITIES, NEC	-	-	-	-	-	3	-	-	-	-	-	-	-	
ABDOMEN	-	-	-	-	-	3	-	-	-	-	-	-	-	
BACK	-	-	-	-	-	3	-	-	-	-	-	-	-	
CHEST	-	-	-	-	-	3	-	-	-	-	-	-	-	
PELVIC REGION	-	-	-	-	-	3	-	-	-	-	-	-	-	
SHOULDER(S)	-	-	-	-	-	3	-	-	-	-	-	-	-	
TRUNK NEC	-	-	-	-	-	3	-	-	-	-	-	-	-	
THIGH	-	-	-	-	-	3	-	-	-	-	-	-	-	
KNEE	-	-	-	-	-	3	-	-	-	-	-	-	-	
LOWER LEG	-	-	-	-	-	3	-	-	-	-	-	-	-	
ANKLE	-	-	-	-	-	3	-	-	-	-	-	-	-	
FOOT	-	-	-	-	-	3	-	-	-	-	-	-	-	
TOE(S)	-	-	-	-	-	3	-	-	-	-	-	-	-	
LOWER EXTREMITIES, NEC	-	-	-	-	-	3	-	-	-	-	-	-	-	
BODY SYSTEMS	-	-	-	-	-	3	-	-	-	-	-	-	-	
MULTIPLE PARTS OF BODY	-	-	-	-	-	3	-	-	-	-	-	-	-	
UNCLASSIFIED	-	-	-	-	-	3	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	3	15	400	415	418	710	18,000	14,925	7,557	22,522	45,522	995	19	

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, 1989

WORK LOCATION AND NATURE OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NEDL			TOTAL FATAL AND NEDL	NOL	TOTAL INJURIES	FATAL	NEDL			TOTAL FATAL AND NEDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NEDL
		PERMANENT	TEMPORARY	TOTAL NEDL					PERMANENT		TOTAL NEDL				
									TOTAL	PARTIAL					
UNDERGROUND MINES: UNDERGROUND: ASPHYXIATION/DROWNING----- CHEMICAL BURN----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- DUST IN EYE----- FRACTURE----- POISONING (SYSTEMIC)----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	1 - - - - - - - - - - - 1	- 1 1 5 4 1 4 4 1 8 4 - 1	1 1 5 4 1 - 4 1 1 4 4 - 29	- -											

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, 1989 (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	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPORARY	TOTAL NFDL				TOTAL	PARTIAL					
SURFACE MINES:														
OPEN PIT:														
AMPUTATION/ENUCLEATION	-	2	-	2	2	-	-	4,575	-	4,575	2,288	-	-	2,288
CHEMICAL BURN	-	-	1	1	1	1	-	-	-	46	-	-	46	
CONTUSION OR BRUISE	2	-	15	16	18	30	12,000	3,000	-	95	3,000	-	5	839
CUT OR PUNCTURE	-	-	14	14	14	45	-	-	-	68	-	-	15	15
DISLOCATION	-	-	4	4	4	4	-	-	-	59	-	-	2	2
DUST IN EYE	-	-	2	2	2	5	-	-	-	3	-	-	-	-
FRACTURE	-	-	14	14	14	24	-	-	-	631	-	-	45	45
FREEZING/FROSTBITE	-	-	1	1	1	1	-	50	-	6	-	-	6	6
HERNIA (NOT DISC)	-	-	1	1	1	3	-	-	-	1	50	-	1	1
POISONING (SYSTEMIC)	-	-	1	1	1	1	-	-	-	3	-	-	2	2
RADIATION/ULTRA VIOLET	-	-	2	2	2	2	-	-	-	188	-	-	188	188
SCALD/ABRASION	-	-	49	49	49	72	-	1,345	-	1,345	-	-	27	27
STRAIN/SPRAIN	-	-	6	6	6	12	-	318	-	318	-	-	53	53
MULTIPLE INJURIES	-	-	3	3	3	3	-	29	-	29	-	-	10	10
OTHER INJURY, NEC	-	-	9	9	10	18	-	4,500	-	203	4,500	-	23	470
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	5	122	127	129	225	12,000	12,125	-	2,965	27,120	2,425	25	210
DREDGE:														
CONTUSION OR BRUISE	-	-	-	-	-	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	-	-	-	-	-	-	-	-
SURFACE:														
AMPUTATION/ENUCLEATION	-	2	-	2	2	-	-	4,575	-	4,575	2,288	-	-	2,288
CHEMICAL BURN	-	-	15	16	18	31	-	-	-	46	-	-	46	46
CONTUSION OR BRUISE	2	-	14	14	14	45	12,000	3,000	-	95	3,000	-	5	839
CUT OR PUNCTURE	-	-	4	4	4	4	-	-	-	68	-	-	15	15
DISLOCATION	-	-	2	2	2	5	-	-	-	59	-	-	2	2
DUST IN EYE	-	-	14	14	14	24	-	-	-	631	-	-	45	45
FRACTURE	-	-	1	1	1	1	-	50	-	6	50	-	6	6
FREEZING/FROSTBITE	-	-	1	1	1	1	-	-	-	1	-	-	1	1
HERNIA (NOT DISC)	-	-	1	1	1	3	-	-	-	3	-	-	2	2
POISONING (SYSTEMIC)	-	-	2	2	2	2	-	-	-	188	-	-	188	188
RADIATION/ULTRA VIOLET	-	-	49	49	49	72	-	1,345	-	1,345	-	-	27	27
SCALD/ABRASION	-	-	6	6	6	12	-	318	-	318	-	-	53	53
STRAIN/SPRAIN	-	-	3	3	3	3	-	29	-	29	-	-	10	10
MULTIPLE INJURIES	-	-	9	9	10	18	-	4,500	-	203	4,500	-	23	470
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	2	5	122	127	129	226	12,000	12,125	-	2,965	27,120	2,425	25	210

TABLE 11. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY LEGSSE FOR WORK LOCATION AND NATURE OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND NATURE OF INJURY	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 NFDL					TOTAL	PARTIAL				
TOTAL OR AVERAGE, MINING:	1	2	1	2	2	2	2	6,000	4,575	-	4,575	2,288	-	2,288
AMPUTATION/ENGULFMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASPHYXIATION/CHOKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE	2	1	1	2	2	2	2	12,000	1,800	-	1,800	1,800	46	3,000
CUT OR FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FREEZING/FROSTBITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HERNIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RADIATION/ALTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	6	174	180	183	129	312	18,000	13,925	-	13,925	2,321	22	195
PROCESSING PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/ENGULFMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN/SCALD (NOT CHEM)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CUT OR FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DERMATITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELECTRIC SHOCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HERNIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RADIATION/ALTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER INJURY, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	7	216	223	223	155	378	-	900	-	900	129	17	20

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, 1969 (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	
		TOTAL	PARTIAL	TEMPO-RARY				TOTAL	PERMANENT	PARTIAL					
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALL MINES AND PLANTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMPUTATION/ENUCLEATION	1	3	1	3	3	3	2	6,000	4,875	-	-	4,875	1,625	-	1,625
ASPHALTATION/PAVING	1	-	2	2	2	2	-	-	-	-	28	28	-	14	14
BURN/SCALD (NOT CHEM.)	1	-	1	1	1	1	-	-	1,800	-	133	1,933	1,800	13	175
CHEMICAL BURN	2	-	62	62	62	62	12,000	-	3,000	-	732	3,732	3,000	12	242
CONTUSION OR BRUISE	-	-	39	40	40	40	-	-	100	-	332	432	100	5	11
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	265	265	-	36	36
DERMATITIS	-	-	7	7	7	7	-	-	-	-	12	12	-	3	3
DISLOCATION	-	-	1	1	1	1	-	-	-	-	3	3	-	3	3
DUST IN EYE	-	-	45	45	45	45	-	-	-	-	1,734	1,734	-	36	36
ELECTRIC SHOCK	-	-	-	-	-	-	-	-	250	-	6	6	50	5	5
FRACTURE	-	-	5	5	5	5	-	-	-	-	16	16	-	16	16
FREZZING/FROSTBITE	-	-	3	3	3	3	-	-	-	-	44	44	-	44	44
HERNIA (NOT DISC)	-	-	3	3	3	3	-	-	-	-	188	188	-	188	188
POISONING (SYSTEMIC)	-	-	156	156	156	156	-	-	300	-	2,686	2,986	300	17	2,286
RADIATION/ULTRA VIOLET	-	-	34	34	34	34	-	-	-	-	90	90	-	26	114
SCALD/ABRASION	-	-	5	5	5	5	-	-	-	-	44	44	-	44	44
STRAIN/SPRAIN	-	-	14	15	15	15	-	-	4,500	-	255	4,755	4,500	18	317
MULTIPLE INJURIES	-	-	390	403	406	406	18,000	-	14,825	-	7,451	22,276	1,140	19	95
OTHER INJURY, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	13	390	403	406	284	-	-	-	-	-	-	-	-	-
OFFICE:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEMICAL BURN	-	-	3	3	3	3	-	-	-	-	35	35	-	13	13
CUT OR PUNCTURE	-	-	2	2	2	2	-	-	-	-	33	33	-	16	16
FRACTURE	-	-	-	-	-	-	-	-	100	-	49	49	50	16	50
HERNIA (NOT DISC)	-	-	2	2	2	2	-	-	-	-	13	13	-	13	13
STRAIN/SPRAIN	-	-	3	3	3	3	-	-	-	-	12	12	-	12	12
MULTIPLE INJURIES	-	-	1	1	1	1	-	-	-	-	146	246	50	15	20
UNCLASSIFIED (NO DATA)	-	-	10	12	12	8	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	2	10	12	12	20	-	-	-	-	-	-	-	-	-

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, 1989 (CONTINUED)

WORK LOCATION 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	
		TOTAL	PARTIAL	TEMPO-RARY				PERMANENT		TOTAL					PARTIAL
								TOTAL	PARTIAL						
GRAND TOTAL OR AVERAGE	3	15	400	415	418	710	18,000	-	14,925	7,587	22,522	995	19	97	
AMPUTATION/ENUCLEATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ASPHYXIATION/CHOKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHEMICAL BURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONVULSION OR BRUISE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DERMATITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ELECTRIC SHOCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FREEZING/FROSTBITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HEMIA (NOT DISC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCALD/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 CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

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	TOTAL					TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL	TOTAL FATAL AND NFDL					
			TOTAL	PARTIAL											
EAR: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CUT OR PUNCTURE TOTAL OR AVERAGE	- - - - -	- - - - -	- - - - -	- - - - -	1 1 1 1 3	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
EYE: BURN/SCALD (NOT CHEM.) CHEMICAL BURN CUT OR PUNCTURE DUST IN EYE RADIATION/ULTRA VIOLET SCRATCH/ABRASION OTHER INJURY, NEC TOTAL OR AVERAGE	- - - - - - - -	- - - - - - - -	1 4 7 5 4 4 1 1	1 5 7 5 4 2 1 1	2 3 11 15 20 6 1 2	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	1 1,859 18 12 11 6 6	1 1,800 - - - - - -	1 59 18 12 11 6 107	1 1,859 18 12 11 6 6	1 15 3 2 3 3 6 5	1 372 3 2 3 3 6 83
JAW: CONTUSION OR BRUISE TOTAL OR AVERAGE	- - -	- - -	- - -	- - -	1 1 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
MOUTH/TEETH/TONGUE: CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE TOTAL OR AVERAGE	- - - - -	- - - - -	- - - - -	- - - - -	1 4 4 4 9	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
NOSE: CUT OR PUNCTURE OTHER INJURY, NEC UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - -	- - - - -	- 1 1 1 2	- 1 1 1 2	1 1 1 1 3	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
FACE, NEC: CUT OR PUNCTURE MULTIPLE INJURIES TOTAL OR AVERAGE	- - - -	- - - -	- - - -	- - - -	3 2 2 5	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -

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, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST HOURS						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	
		TOTAL	PARTIAL	TEMPO- RARY				PERMANENT	TOTAL NFIDL						
HEAD, NEC:	-	-	-	-	1	6,000	-	-	-	6,005	-	-	3,002	5	
CEREBRAL BURN	1	-	-	1	2	-	-	-	-	5	-	-	5	3	
CONTUSION OR BRUISE	-	-	-	1	1	-	-	-	-	3	-	-	3	12	
CUT OR PUNCTURE	-	-	-	2	2	-	-	-	-	24	-	-	12	12	
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	1	-	-	5	6	6,000	-	-	-	37	-	-	7	1,006	
NECK:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE	-	-	-	1	1	-	-	-	-	1	-	-	1	1	
STRAIN/SPRAIN	-	-	-	4	5	-	-	-	-	42	-	-	10	68	
OTHER INJURY, NEC	-	-	-	-	1	-	-	-	-	300	-	-	300	57	
TOTAL OR AVERAGE	-	-	-	5	6	-	-	-	-	43	-	-	9	57	
ELBOW:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BURN/SCALD (NOT CLER.)	-	-	-	2	2	-	-	-	-	23	-	-	12	12	
CONTUSION OR BRUISE	-	-	-	1	1	-	-	-	-	9	-	-	9	9	
CUT OR PUNCTURE	-	-	-	2	2	-	-	-	-	64	-	-	32	32	
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION	-	-	-	1	1	-	-	-	-	25	-	-	25	25	
STRAIN/SPRAIN	-	-	-	1	1	-	-	-	-	31	-	-	31	31	
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	7	7	-	-	-	-	152	-	-	22	22	
FOREARM:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMPUTATION/EXTREMITY	-	-	-	1	1	-	-	-	-	4,500	-	-	4,500	4,500	
BURN/SCALD (NOT CLER.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	-	2	2	-	-	-	-	17	-	-	8	8	
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCRATCH/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	2	3	-	-	-	-	17	-	-	8	1,506	
WRIST:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	-	2	2	-	-	-	-	4	-	-	2	2	
CUT OR PUNCTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FRACTURE	-	-	-	2	2	-	-	-	-	52	-	-	26	26	
STRAIN/SPRAIN	-	-	-	9	9	-	-	-	-	97	-	-	11	11	
MULTIPLE INJURIES	-	-	-	1	1	-	-	-	-	8	-	-	8	8	
TOTAL OR AVERAGE	-	-	-	14	14	-	-	-	-	161	-	-	12	12	

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, 1989 (CONTINUED)

PART OF BODY INJURED AND NATURE OF INJURY	NUMBER OF INJURIES						LOST 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	TOTAL						TEMPO- RARY	TOTAL NFDL						
			TOTAL	PARTIAL												
HAND: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	9 4 2 1 - 1 - -	9 4 2 1 - 1 - -	9 4 2 1 - 1 - -	6 9 2 2 2 1 - 38	- - - - - - - -	- - - - - - - -	99 60 50 1 - - 11 221	- - - - - - - -	- - - - - - - -	11 15 25 1 - - 11 13	- - - - - - - -	11 15 25 1 - - 11 13		
FINGER(S): AMPUTATION/ENGULFMENT----- CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DISLOCATION----- FRACTURE----- FREEZING/FROSTBITE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - -	2 - 1 - - - - -	2 6 17 1 1 1 2 6 1 3	2 6 17 1 1 1 2 6 1 41	2 6 17 1 1 1 2 6 1 41	- 6 29 1 9 - 2 9 1 57	2 12 46 2 14 1 4 15 2 98	- - - - - - - -	375 44 232 17 187 6 29 97 11 998	- - - - - - - -	188 7 8 17 37 6 14 16 11 156	- - - - - - - -	188 7 8 17 37 6 14 16 11 156	- - - - - - - -	188 7 8 17 37 6 14 16 11 156	
UPPER EXTREMITIES, NEC: CONTUSION OR BRUISE----- CUT OR PUNCTURE----- DERMATITIS----- DISLOCATION----- FRACTURE----- RADIATION/ULTRA VIOLET----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- TOTAL OR AVERAGE-----	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	2 6 1 - - - - - - 9	2 6 1 2 1 2 1 2 18	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	
ABDOMEN: STRAIN/SPRAIN----- TOTAL OR AVERAGE-----	- -	- -	- -	- -	- -	2 2	3 3	- -	- -	- -	- -	- -	- -	- -	- -	- -
BACK: CONTUSION OR BRUISE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - -	- - - - - - -	6 4 75 2 2 1 2 89	6 4 75 2 2 1 2 89	6 4 75 2 2 1 2 89	3 4 20 1 3 27	9 4 95 2 1 5 116	- - - - - - - -	- - - - - - - -	3,010 131 1,442 18 - 4,574 1,675 9,175	- - - - - - - -	2 33 19 9 - 74 19 3,750	- - - - - - - -	2 33 19 9 - 74 19 3,750	- - - - - - - -	2 33 19 9 - 74 19 3,750

TABLE 12. - NUMBER OF INJURIES, LOST WORKDAYS, AND AVERAGE SEVERITY BY DEGREE FOR PART OF BODY INJURED AND NATURE OF INJURY AT CONSTRUCTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

PART OF BODY INJURED 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						
CHEST:	-	-	4	4	4	1	5	-	-	-	45	45	-	11	11	
CONTUSION OR BRUISE	-	-	-	-	-	2	2	-	-	-	-	-	-	-	8	8
CUT OR PUNCTURE	-	-	3	3	3	1	4	-	-	-	25	25	-	2	2	
FRACTURE	-	-	2	2	2	2	4	-	-	-	3	3	-	6	6	
STRAIN/SPRAIN	-	-	2	2	2	1	2	-	-	-	11	11	-	-	-	
MULTIPLE INJURIES	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	11	11	11	7	18	-	-	-	84	84	-	8	8	
PELVIC REGION:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BURN/SCALD (NOT CHEM.)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	2	2	2	2	7	-	-	-	10	10	-	5	5	
HEMIA (NOT DISC)	-	-	7	7	7	2	11	-	-	-	350	350	-	15	15	
STRAIN/SPRAIN	-	-	9	9	9	1	1	-	-	-	131	131	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	7	18	18	4	22	-	-	-	491	491	-	13	27	
SHOULDER(S):	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	5	5	5	-	5	-	-	-	28	28	-	6	6	
CUT OR PUNCTURE	-	-	1	1	1	-	1	-	-	-	5	5	-	5	5	
DISLOCATION	-	-	4	4	4	1	5	-	-	-	58	58	-	14	14	
FRACTURE	-	-	2	2	2	4	14	-	-	-	89	89	-	44	44	
STRAIN/SPRAIN	-	-	10	10	10	1	1	-	-	-	72	72	-	7	7	
MULTIPLE INJURIES	-	-	1	1	1	-	1	-	-	-	13	13	-	13	13	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	31	31	-	31	31	
TOTAL OR AVERAGE	-	-	24	24	24	5	29	-	-	-	296	296	-	12	12	
TRUNK, NEC:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHEMICAL BURN	-	-	1	1	1	-	1	-	-	-	30	30	-	30	30	
CONTUSION OR BRUISE	-	-	1	1	1	1	2	-	-	-	1	1	-	1	1	
STRAIN/SPRAIN	-	-	1	1	1	1	2	-	-	-	3	3	-	3	3	
MULTIPLE INJURIES	-	-	1	1	1	-	1	-	-	-	26	26	-	26	26	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	5	5	5	3	8	-	-	-	63	63	-	13	13	
THIGH:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTUSION OR BRUISE	-	-	2	2	2	1	1	-	-	-	5	5	-	2	2	
CUT OR PUNCTURE	-	-	2	2	2	2	4	-	-	-	5	5	-	2	2	
TOTAL OR AVERAGE	-	-	2	2	2	2	4	-	-	-	5	5	-	2	2	

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, 1969 (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	TOTAL NFDL					TOTAL NFDL						
TOTAL	PARTIAL	TOTAL	PARTIAL	TOTAL	PARTIAL											
KNEE: CONTUSION OR BRUISE CUT OR PUNCTURE DISLOCATION FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - -	- - - - - - - -	7 3 1 3 16 2 1 33	7 3 1 3 16 2 1 33	7 3 1 3 16 2 1 33	8 - - 2 3 - 1 14	15 3 1 5 19 2 2 47	- - - - - - - -	- - - - - - - -	- - - - - - - -	- - - - - - - -	51 37 6 72 580 11 2 759	- - - - - - - -	7 12 6 24 36 6 2 23	7 12 6 24 36 6 2 23	
LOWER LEG: BURN/SCALD (NOT CHEM.) CUT OR PUNCTURE FRACTURE MULTIPLE INJURIES TOTAL OR AVERAGE	- - - - - -	- - - - - -	1 2 1 1 4	1 2 1 1 4	1 2 1 1 4	- 2 - - 2	1 2 2 1 6	- - - - -	- - - - -	- - - - -	- - - - -	27 48 6 32	- - - - -	27 48 6 32	27 48 6 32	
ANKLE: CONTUSION OR BRUISE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	- - - - - -	- - - - - -	2 5 20 27	2 5 20 27	2 5 20 27	- 1 7 9	2 6 27 36	- - - -	- - - -	- - - -	- - - -	18 119 245 382	- - - -	9 24 12 14	9 24 12 14	
FOOT: CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES TOTAL OR AVERAGE	- - - - - -	- - - - - -	5 3 7 1 16	5 3 7 1 16	5 3 7 1 16	1 2 3 - 7	6 5 8 3 23	- - - -	- - - -	- - - -	- - - -	45 14 455 8 532	- - - -	9 5 66 8 33	9 5 66 8 33	
TOE(S): CONTUSION OR BRUISE FRACTURE UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - -	- - - - -	1 4 - 5	1 4 - 5	1 4 - 5	1 1 1 3	2 5 1 8	- - - -	- - - -	- - - -	- - - -	2 22 - 24	- - - -	2 6 - 5	2 6 - 5	

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, 1989 (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	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL						
LOWER EXTREMITIES, NEC. CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE STRAIN/SPRAIN MULTIPLE INJURIES OTHER INJURY, NEC. UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - - - - - - -	- - - - - - - -	6 1 1 1 3 1 2 15	6 1 1 1 3 1 2 15	4 11 1 1 1 1 2 18	10 12 1 2 4 2 2 33	- - - - - - - -	- - - - - - - -	- - - - - - - -	67 68 218 15 320 1 13 702	- - - - - - - -	67 68 218 15 320 1 13 702	11 68 218 15 107 1 6 47	11 68 218 15 107 1 6 47		
BODY SYSTEMS ASPHYXIATION/CHOKING ELECTRIC SHOCK POISONING (SYSTEMIC) TOTAL OR AVERAGE	1 - - -	- - - -	1 1 3 5	1 1 3 5	- - 3 3	2 1 6 9	6,000 - - 6,000	- - - -	- - - -	- - - -	6,000 3 16 6,000	- - - -	1 3 16 20	3,000 3 16 1,003	1 3 16 4	3,000 3 16 1,003
MULTIPLE PARTS OF BODY CHEMICAL BURN CONTUSION OR BRUISE CUT OR PUNCTURE FRACTURE SCALD/ABRASION STRAIN/SPRAIN MULTIPLE INJURIES UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- 1 - - - - - - 1	- - - - - - - -	5 4 2 4 13 3 32	5 5 2 4 13 3 32	1 1 2 1 4 2 11	6 6 2 2 5 5 44	6,000 - - - - - 6,000	- - - - - - -	- - - - - - -	- - - - - - -	44 286 112 188 30 444 71 1,171	- - - - - - -	44 286 112 188 30 444 71 1,171	9 70 57 188 30 34 24 37	9 70 57 188 30 34 24 37	
UNCLASSIFIED UNCLASSIFIED (NO DATA) TOTAL OR AVERAGE	- - -	- - -	1 1 1	1 1 1	2 2 2	3 3 3	- - -	- - -	- - -	- - -	3 3 3	- - -	3 3 3	3 3 3	3 3 3	3 3 3

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, 1989 (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			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL																		
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL																						
TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL																			
TOTAL OR AVERAGE	3	3	1	3	327	327	5,000	4,875	-	4,875	1,625	-	1,625	1,625	3,000	14	176	242	11	38	3	38	50	5	188	19	28	9	288	57		
AMPUTATION/ENGULFMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ASPHYXIATION/CHOKING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BURN/SCALD (HOT LIQ.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CUT OR PUNCTURE	2	-	-	-	2	59	142	12,000	3,000	-	3,000	3,000	-	3,000	3,000	-	3,000	3,000	-	3,000	3,000	-	3,000	3,000	-	3,000	3,000	-	3,000	3,000	-	3,000
DERMATITIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DISLOCATION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DUST IN EYE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ELECTRIC SHOCK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FRACTURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FREEZING/FROSTBITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HEPATIC (NOT DISC.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POISONING (SYSTEMIC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RADIATION/ULTRA VIOLET	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCALD/ABRASION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRAIN/SPRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MULTIPLE INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER INJURY, NEC.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNCLASSIFIED (NO DATA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	3	15	400	415	418	292	710	18,000	14,925	-	14,925	995	19	97																		

TABLE 13. - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

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	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
ALASKA																						
ARIZONA																						
COLORADO																						
IDAHO																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
UTAH																						
WASHINGTON																						
TOTAL	2																					
SURFACE AT IG:																						
ALASKA																						
ARIZONA																						
COLORADO																						
MISSOURI																						
MONTANA																						
NEVADA																						
WASHINGTON																						
TOTAL	1																					
TOTAL UNDERGROUND:	3																					
ALASKA																						
ARIZONA																						
COLORADO																						
IDAHO																						
MISSOURI																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
UTAH																						
WASHINGTON																						
TOTAL	3																					
SURFACE MINES:																						
OPEN PIT:																						
ALASKA																						
ARIZONA																						
CALIFORNIA																						
COLORADO																						
IDAHO																						
MINNESOTA																						
MONTANA																						
NEVADA																						
NEW MEXICO																						
SOUTH CAROLINA																						
SOUTH DAKOTA																						
UTAH																						
WYOMING																						
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, 1989 (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
UNDERGROUND MINES:																						
UNDERGROUND:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5
ARIZONA	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL	2	1	-	-	-	-	-	-	-	-	1	10	1	3	2	-	-	-	-	-	1	29
SURFACE MINES:																						
SURFACE AT LG:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL	3	-	-	-	-	-	-	-	-	-	2	2	5	-	-	-	-	-	-	-	-	6
UNDERGROUND MINES:																						
UNDERGROUND:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL	5	1	-	-	-	-	-	-	-	-	1	12	6	3	2	1	-	-	-	-	1	53
SURFACE MINES:																						
OPEN PIT:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL	15	10	-	-	-	-	-	-	-	-	1	23	30	25	1	-	2	-	3	5	2	127

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICIAL		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		NONPICKED HAULAGE	
	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
DEGREE																						
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SURFACE																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL MINING																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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, 1989 (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	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL	FTL	NOL
DEGREE:																						
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL SURFACE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	1	1	-	-	-	-	-	-	-	-	3	4	4	1	1	3	-	-	1	2	8	16
COLORADO	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
IDAHO	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	1	1	-	-	-	-	-	-	-	-	2	3	3	1	1	6	-	-	-	-	1	13
NEVADA	1	1	-	-	-	-	-	-	-	-	10	4	12	2	2	2	-	-	1	1	45	45
NEW MEXICO	1	1	-	-	-	-	-	-	-	-	2	3	3	1	1	4	-	-	-	-	10	10
SOUTH CAROLINA	1	1	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	7	7
SOUTH DAKOTA	1	1	-	-	-	-	-	-	-	-	1	1	3	1	1	1	-	-	-	-	7	7
UTAH	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	2	2
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	15	10	-	-	-	-	-	-	-	-	23	9	30	25	1	1	2	-	3	5	127	37
TOTAL MINING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	1	1	-	-	-	-	-	-	-	-	4	3	4	1	1	4	-	-	1	2	15	21
COLORADO	2	1	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	3	5
IDAHO	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	3	3	-	-	-	-	-	-	-	-	1	6	13	1	1	6	-	-	-	-	27	30
MONTANA	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	5	5
NEVADA	8	9	-	-	-	-	-	-	-	-	11	4	13	2	2	8	-	-	-	-	27	36
NEW MEXICO	1	1	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-	-	11	11
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
SOUTH DAKOTA	1	1	-	-	-	-	-	-	-	-	1	1	2	3	1	4	-	-	-	-	7	7
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	20	11	-	-	-	-	-	-	-	-	35	21	36	26	3	2	2	-	3	5	180	129
PROCESSING PLANTS:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	4	1	-	-	-	-	-	-	-	-	1	8	9	5	-	3	-	-	1	1	14	14
LOUISIANA	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	1	1	-	-	-	-	-	-	-	-	2	7	25	1	1	13	-	-	2	1	28	29
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	6	4	-	-	-	-	-	-	-	-	32	35	63	22	-	7	1	3	5	3	221	155

TABLE 13 - NUMBER OF INJURIES BY ACCIDENT CLASSIFICATION AND DEGREE FOR WORK LOCATION AND STATE AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND STATE	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BREWING AGENT		FALLING, ROLLING OR SLIDING MATERIAL		FALL OF FACE, RIB, SIDE OR HIGHWALL		FALL OF ROOF (UNDERGROUND MINES ONLY)		FIRE		HAND-AC MATERIAL		HAND TOOL		NONPOWERED HAULAGE	
	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL	FTL	MFDL
TOTAL MINES AND PLANTS																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARIZONA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CALIFORNIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLORADO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IDAHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MONTANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH CAROLINA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEXAS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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, 1963 (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	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL	FTL	NFL
TOTAL MINES AND PLANTS:																						
ALASKA	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20	48
ARIZONA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1
CALIFORNIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
COLORADO	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IDAHO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOUISIANA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MINNESOTA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MISSOURI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MONTANA	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEVADA	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEW MEXICO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOUTH CAROLINA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOUTH DAKOTA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TEXAS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UTAH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WASHINGTON	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WYOMING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL	26	15	26	15	26	15	26	15	26	15	26	15	26	15	26	15	26	15	26	15	463	284
OFFICE:																						
ALASKA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEVADA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UTAH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
GRAND TOTAL:																						
ALASKA	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	20	48
ARIZONA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1
CALIFORNIA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
COLORADO	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IDAHO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOUISIANA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MINNESOTA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MISSOURI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MONTANA	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEVADA	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEW MEXICO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOUTH CAROLINA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOUTH DAKOTA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TEXAS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
UTAH	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WASHINGTON	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WYOMING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL	26	15	26	15	26	15	26	15	26	15	26	15	26	15	26	15	26	15	26	15	415	282

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, 1989

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)		PIPE		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
UNDERGROUND MINES:																						
UNDERGROUND:																						
ALASKA-----		12																				
ARIZONA-----																						
COLORADO-----																						
IDaho-----																						
MISSOURI-----																						
MONTANA-----																						
NEVADA-----																						
NEW MEXICO-----																						
WASHINGTON-----																						
TOTAL-----		12																				
SURFACE AT US:																						
ALASKA-----		1																				
ARIZONA-----																						
COLORADO-----																						
MISSOURI-----																						
MONTANA-----																						
NEVADA-----																						
WASHINGTON-----																						
TOTAL-----		1																				
TOTAL UNDERGROUND:		13																				
ALASKA-----																						
ARIZONA-----																						
COLORADO-----																						
IDaho-----																						
MISSOURI-----																						
MONTANA-----																						
NEVADA-----																						
NEW MEXICO-----																						
WASHINGTON-----																						
TOTAL-----		13																				
SURFACE MINES:																						
OPEN PIT:																						
ALASKA-----																						
ARIZONA-----																						
CALIFORNIA-----																						
COLORADO-----																						
IDaho-----																						
MINNESOTA-----																						
MONTANA-----																						
NEVADA-----																						
NEW MEXICO-----																						
SOUTH CAROLINA-----																						
SOUTH DAKOTA-----																						
UTAH-----																						
WYOMING-----																						
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, 1969 (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
UNDERGROUND MINES:																						
ALASKA-----	-	-	-	-	-	-	-	-	-	-	6,000	68	-	-	-	-	-	-	-	-	6,000	13
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	-	72
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	1,800	-	-	-	-	-	-	-	-	-	60
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	97	-	-	-	-	-	-	-	-	-	38
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	1,800
MONTANA-----	1	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	169
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
NEW MEXICO-----	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
TOTAL-----	4	-	-	-	-	-	-	-	-	-	6,000	1,983	-	-	-	-	-	-	-	-	6,000	2,219
SURFACE AT G:																						
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	26
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	22
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110
MONTANA-----	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	136
NEVADA-----	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	385
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
TOTAL-----	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL UNDERGROUND:																						
ALASKA-----	-	-	-	-	-	-	-	-	-	-	6,000	3	-	-	-	-	-	-	-	-	-	39
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	68	5	-	-	-	-	-	-	-	-	-	94
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	1,800	-	-	-	-	-	-	-	-	-	1,863
MONTANA-----	36	-	-	-	-	-	-	-	-	-	97	-	-	-	-	-	-	-	-	-	-	279
NEVADA-----	2	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	190
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
WASHINGTON-----	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
TOTAL-----	55	-	-	-	-	-	-	-	-	-	6,000	1,987	-	-	-	-	-	-	-	-	6,000	2,604
SURFACE MINES:																						
OPEN PIT:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	96
ARIZONA-----	3	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	189
CALIFORNIA-----	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
COLORADO-----	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80
IDAHO-----	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	134
MINNESOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
MONTANA-----	5	-	-	-	-	-	-	-	-	-	52	-	-	-	-	-	-	-	-	-	-	302
NEVADA-----	5,189	-	-	-	-	-	-	-	-	-	4,790	-	-	-	-	-	-	-	-	-	-	10,650
NEW MEXICO-----	4	-	-	-	-	-	-	-	-	-	3,032	-	-	-	-	-	-	-	-	-	-	3,238
SOUTH CAROLINA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75
SOUTH DAKOTA-----	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
WYOMING-----	-	-	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-	42
TOTAL-----	5,338	-	-	-	-	-	-	-	-	-	6,000	7,945	-	-	-	-	-	-	-	-	155	15,120

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, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPOUNDMENT		INMUNATION		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																						
ARIZONA																						
CALIFORNIA		3																				
COLORADO		5																				
IDAHO		35																				
MINNESOTA		1																				
MONTANA																						
NEVADA		5																				
NEW MEXICO		5,180																				
SOUTH CAROLINA		4																				
SOUTH DAKOTA		96																				
UTAH																						
WYOMING																						
TOTAL		5,338																				
TOTAL MINING																						
ALASKA																						
ARIZONA		14																				
CALIFORNIA		3																				
COLORADO		5																				
IDAHO		35																				
MINNESOTA		1																				
MONTANA																						
NEVADA		41																				
NEW MEXICO		5,191																				
SOUTH CAROLINA		4																				
SOUTH DAKOTA		96																				
UTAH																						
WASHINGTON		3																				
WYOMING																						
TOTAL		5,383																				
PROCESSING PLANTS																						
ALASKA																						
ARIZONA																						
CALIFORNIA		113																				
COLORADO		20																				
LOUISIANA																						
MINNESOTA																						
MONTANA																						
NEVADA																						
NEW MEXICO		1																				
SOUTH CAROLINA																						
SOUTH DAKOTA																						
TEXAS																						
UTAH																						
WASHINGTON																						
WYOMING																						
TOTAL		134																				

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, 1989 (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		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 MINES AND PLANTS:																						
ALASKA-----	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	454	59	54	-	20
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	69	4	-	-	-
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	58	-	-	-
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MINNESOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-
MONTANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	142	-	-	-
NEVADA-----	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	115	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	60	29	3	-	-	-
SOUTH CAROLINA-----	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-
SOUTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
TEXAS-----	-	3	-	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-
TOTAL-----	-	49	-	-	-	31	-	-	-	-	6	-	2	-	-	-	6,000	2,301	561	-	-	20
OFFICE:																						
ALASKA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	121	-	-	-
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	121	-	-	-
GRAND TOTAL:																						
ALASKA-----	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154	454	87	54	-	20
ARIZONA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	69	4	-	-	-
CALIFORNIA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	68	-	-	-	-
COLORADO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	58	-	-	-
IDAHO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-
LOUISIANA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-	-
MINNESOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-
MISSOURI-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	870	-	-	-
MONTANA-----	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	115	-	-	-
NEVADA-----	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	60	29	3	-	-	-
NEW MEXICO-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	-	-	-
SOUTH CAROLINA-----	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
SOUTH DAKOTA-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-
TEXAS-----	-	3	-	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-
UTAH-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	-
WASHINGTON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYOMING-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	49	-	-	-	31	-	-	-	-	6	-	2	-	-	-	6,000	2,422	609	-	-	20

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, 1989 (CONTINUED)

WORK LOCATION AND STATE	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPROVEMENT		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	-	14	-	-	-	-	-	-	-	-	6,000	78	-	171	-	-	-	-	-	301	5,000	368
ARIZONA	-	116	-	-	-	-	-	-	-	-	-	141	-	328	-	-	-	-	-	1	5,000	1,414
CALIFORNIA	-	25	-	-	-	-	-	-	-	-	-	5	-	45	-	-	-	-	-	-	-	99
COLORADO	-	35	-	-	-	-	-	-	-	-	-	2	-	105	-	-	-	-	-	-	-	153
IDAHO	-	1	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	32
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	18	-	8	-	-	-	-	-	-	-	66
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	1,800	-	18	-	-	-	-	-	-	-	1,863
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	164	-	22	-	-	-	-	-	153	5,000	665
MONTANA	-	41	-	-	-	-	-	-	-	-	-	4,873	-	632	-	-	-	-	-	9	-	11,795
NEVADA	-	5,191	-	-	-	-	-	-	-	-	-	3,037	-	173	-	-	-	-	-	-	-	3,280
NEW MEXICO	-	5	-	-	-	-	-	-	-	-	-	3	-	74	-	-	-	-	-	-	-	179
SOUTH CAROLINA	-	96	-	-	-	-	-	-	-	-	-	467	-	50	-	-	-	-	-	-	-	265
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	56	-	596	-	-	-	-	-	-	-	1,591
TEXAS	-	-	-	-	-	-	-	-	-	-	-	42	-	46	-	-	-	-	-	-	-	130
UTAH	-	3	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	131
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,527	-	-	-	-	-	-	-	-	12,000	10,636	-	2,508	-	-	-	-	-	464	18,000	22,276
OFFICE:																						
ALASKA	-	-	-	-	-	-	-	-	-	-	-	31	-	38	-	-	-	-	-	-	-	226
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	15
UTAH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	5
TOTAL	-	-	-	-	-	-	-	-	-	-	-	31	-	53	-	-	-	-	-	5	-	246
GRAND TOTAL:																						
ALASKA	-	14	-	-	-	-	-	-	-	-	6,000	198	-	209	-	-	-	-	-	-	-	594
ARIZONA	-	116	-	-	-	-	-	-	-	-	-	141	-	328	-	-	-	-	-	301	5,000	1,414
CALIFORNIA	-	25	-	-	-	-	-	-	-	-	-	5	-	45	-	-	-	-	-	1	-	99
COLORADO	-	35	-	-	-	-	-	-	-	-	-	2	-	105	-	-	-	-	-	-	-	153
IDAHO	-	1	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	32
LOUISIANA	-	-	-	-	-	-	-	-	-	-	-	18	-	8	-	-	-	-	-	-	-	66
MINNESOTA	-	-	-	-	-	-	-	-	-	-	-	1,800	-	18	-	-	-	-	-	-	-	1,863
MISSOURI	-	-	-	-	-	-	-	-	-	-	-	164	-	22	-	-	-	-	-	153	5,000	665
MONTANA	-	41	-	-	-	-	-	-	-	-	-	4,873	-	632	-	-	-	-	-	9	-	11,810
NEVADA	-	5,191	-	-	-	-	-	-	-	-	-	3,037	-	173	-	-	-	-	-	-	-	3,280
NEW MEXICO	-	5	-	-	-	-	-	-	-	-	-	3	-	74	-	-	-	-	-	-	-	179
SOUTH CAROLINA	-	96	-	-	-	-	-	-	-	-	-	467	-	50	-	-	-	-	-	-	-	265
SOUTH DAKOTA	-	-	-	-	-	-	-	-	-	-	-	56	-	596	-	-	-	-	-	-	-	1,591
TEXAS	-	-	-	-	-	-	-	-	-	-	-	42	-	46	-	-	-	-	-	-	-	135
UTAH	-	3	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	131
WASHINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
WYOMING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,527	-	-	-	-	-	-	-	-	12,000	10,727	-	2,561	-	-	-	-	-	469	18,000	22,522

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, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		INFUNDENT		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:																						
CHROMITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	20
GOLD	1	1	-	-	-	-	-	-	-	-	8	8	1	3	-	-	-	-	-	-	2	3
LEAD-ZINC	1	1	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	4	1
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2	1	-	-	-	-	-	-	-	-	10	10	1	3	2	1	-	-	-	-	29	26
SURFACE AT LG:																						
CHROMITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
COPPER	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	6	2
GOLD	1	1	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	10	2
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	4	2
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	2
SILVER	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2	2
TOTAL	3	-	-	-	-	-	-	-	-	-	2	2	5	-	-	-	-	-	-	-	24	6
TOTAL UNDERGROUND:																						
CHROMITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	1
GOLD	2	-	-	-	-	-	-	-	-	-	9	9	3	3	1	1	-	-	-	-	31	22
LEAD-ZINC	1	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	6	3
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	1
SILVER	1	1	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	6	5
OTHER METALS, NEC	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
TOTAL	5	1	-	-	-	-	-	-	-	-	12	12	6	3	2	1	-	-	-	-	53	32
SURFACE MINES:																						
OPEN PIT:																						
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	26
GOLD	13	10	-	-	-	-	-	-	-	-	6	4	2	6	-	-	-	-	-	-	52	66
IRON	-	-	-	-	-	-	-	-	-	-	13	5	24	18	1	1	2	3	1	2	1	1
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	5
PLATINUM	1	-	-	-	-	-	-	-	-	-	3	-	4	1	-	-	-	-	-	-	1	-
SILVER	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	15	10	-	-	-	-	-	-	-	-	23	9	30	25	1	1	2	5	3	2	127	96
DRUDGE:																						
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

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, 1989

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:																																	
CHROME-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD-----	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	6	-	-	2	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	8	-	-	3	-	-	-	-	-
SURFACE AT UG:																																	
CHROME-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	4	-	-	-	-	-
TOTAL UNDERGROUND:																																	
CHROME-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD-----	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	5	-	-	4	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
PLATINUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
SILVER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	17	-	-	7	-	-	-	-	-
SURFACE MINES:																																	
OPEN PIT:																																	
COPPER-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRON-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL-----	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEEDGE:																																	
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, 1965 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL		ENTRAPMENT		EXPLODING VESSEL UNDER PRESSURE		EXPLOSIVE AND BOMBING AGENT		FALLING, ROLLING, OR SLIDING MATERIAL		FALL OF FADE, RIG, SLIDE, OR HIGHWALL		FALL OF ROOF, UNDERGROUND MINES ONLY		FIRE		HANDLING MATERIAL		HANGING		NONHAZARDOUS MATERIAL	
	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI	FIL	NFI
TOTAL SURFACE																						
COPPER																						
GOLD																						
IRON																						
LEAD-ZINC																						
MOLYBDENUM																						
URANIUM																						
TOTAL																						
TOTAL MINING																						
CHROME																						
COPPER																						
GOLD																						
IRON																						
LEAD-ZINC																						
MOLYBDENUM																						
PLATINUM																						
SILVER																						
URANIUM																						
OTHER METALS, NEC																						
TOTAL																						
PROCESS PLANT'S																						
ALUMINUM ORE																						
COPPER																						
GOLD																						
IRON																						
LEAD-ZINC																						
MOLYBDENUM																						
SILVER																						
URANIUM																						
TOTAL																						
TOTAL MINES AND PLANTS																						
ALUMINUM ORE																						
CHROME																						
COPPER																						
GOLD																						
IRON																						
LEAD-ZINC																						
MOLYBDENUM																						
PLATINUM																						
SILVER																						
URANIUM																						
OTHER METALS, NEC																						
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, 1988 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		INDEPENDENT		IMMERSION		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																						
COPPER																						
GOLD	1	13									6	4	2	18					1	2	26	31
IRON											5	5	24	4					2	3	31	38
LEAD-ZINC											3	1										
MOLYBDENUM											1											
URANIUM											23	9	33	25					3	2	127	87
TOTAL	15	10																				
TOTAL MINING																						
CHROMITE																						
COPPER											2	4	3	2							31	38
GOLD	15	10									22	14									123	147
IRON											4	5										
LEAD-ZINC											1											
MOLYBDENUM											4											
PLATINUM																						
SILVER																						
URANIUM																						
OTHER METALS, NEC																						
TOTAL	20	10									31	23	33	27					3	2	186	285
PROCESSING PLANTS																						
ALUMINUM ORE																						
COPPER																						
GOLD	4	2									10	6	3	1							45	55
IRON																						
LEAD-ZINC																						
MOLYBDENUM																						
SILVER																						
URANIUM																						
TOTAL	4	2									10	6	3	1							45	55
TOTAL MINES AND PLANTS																						
ALUMINUM ORE																						
CHROMITE																						
COPPER																						
GOLD	15	10									22	14									123	147
IRON											4	5										
LEAD-ZINC											1											
MOLYBDENUM											4											
PLATINUM																						
SILVER																						
URANIUM																						
OTHER METALS, NEC																						
TOTAL	20	10									31	23	33	27					3	2	186	285

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, 1969 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	ELECTRICAL			ENTRAPMENT			EXPLOSION, VESSEL UNDER PRESSURE			EXPLOSIVE AND BREAKING AGENT			FALLING, ROLLING OR SLIDING MATERIAL			FALL OF FACE, ROB, SIDE OR HIGHWALL			FALL OF ROOF (UNDERGROUND MINES ONLY)			FIRE			HANDLING MATERIAL			HAND TOOL			NONPROTECTED 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
OFFICE:																																	
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL:																																	
ALUMINUM ORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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, 1989 (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	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			
OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
GRAND TOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ALUMINUM ORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CHROMITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOTAL	26	15	-	-	-	-	-	-	-	-	-	-	-	-	-	2	68	57	-	103	50	-	12	4	-	-	5	-	7	10	3	415	

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, 1989

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	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL	FTL	NFDL
UNDERGROUND MINES:																						
UNDERGROUND:																						
CHROMEITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	12	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	102	-	-	53	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	32	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	12	-	-	-	-	-	-	-	-	-	-	2	-	-	-	108	-	-	85	-	-
SURFACE AT UG:																						
CHROMEITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-
GOLD	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132	-	-	13	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-	10	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	198	-	-	23	-	-
TOTAL UNDERGROUND:																						
CHROMEITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-	-
GOLD	13	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	294	-	-	56	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-	10	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	32	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	13	-	-	-	-	-	-	-	-	-	-	2	-	-	-	306	-	-	108	-	-
SURFACE MINES:																						
OPEN PIT:																						
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	-	-	41	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	6,000	-	-	178	-	-
DREDGE:																						
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPROVEMENT		INMUNATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	MFEL	FTL	MFEL	FTL	MFEL	FTL	MFEL	FTL	MFEL	FTL	MFEL	FTL	MFEL	FTL	MFEL	FTL	MFEL	FTL	MFEL	FTL	MFEL
UNDERGROUND MINES:																						
UNDERGROUND:																						
CHROME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	370	370
GOLD	1	1	-	-	-	-	-	-	-	-	6,000	180	-	16	-	6	-	-	-	-	6,000	1,803
LEAD-ZINC	3	3	-	-	-	-	-	-	-	-	1,800	3	-	-	-	3	-	-	-	-	41	41
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	4	-	-	-	-	-	-	-	-	6,000	1,983	-	16	-	9	-	-	-	-	6,000	2,215
SURFACE AT IG:																						
CHROME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	22
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	181	181
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	73
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	57
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	17
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	51	-	-	-	-	-	-	-	-	-	4	-	108	-	-	-	-	-	-	305	305
TOTAL UNDERGROUND:																						
CHROME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	24
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	551	551
GOLD	-	-	-	-	-	-	-	-	-	-	6,000	183	-	34	-	6	-	-	-	-	6,000	1,876
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	1,800	3	-	18	-	3	-	-	-	-	57	57
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-	-	-	-	-	58	58
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	55	-	-	-	-	-	-	-	-	6,000	1,987	-	124	-	9	-	-	-	-	6,000	2,604
SURFACE MINES:																						
OPEN PIT:																						
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	154	154
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NICKEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,312	-	-	-	-	-	-	-	-	5,000	3,036	-	146	-	2	-	-	-	-	6,000	3,297
DREDGE:																						
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,338	-	-	-	-	-	-	-	-	6,000	7,946	-	894	-	2	-	-	-	-	12,000	15,120

TABLE 16. - NUMBER OF LOST WORKDAYS - ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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 MINING ONLY)		FIRE		MACHINE TOTAL		HAND TOOL		MONOPERED 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:																						
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	169	-	41	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	469	104	-	-	
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	33	-	-	
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	6,000	601	-	178	-	-
TOTAL MINING:																						
CHROMITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	3	-	41	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	190	170	-	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	643	33	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	10	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	6	-	2	-	-	-	6,000	907	-	286	-	-
PROCESSING PLANTS:																						
ALUMINUM ORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	414	19	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290	16	-	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	651	179	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	50	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	31	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,394	295	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROCESSING PLANTS:																						
ALUMINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	414	19	-	-	-
CHROMITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	57	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	480	349	-	-	-
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,294	33	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	66	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	6	-	2	-	-	-	6,000	2,301	581	-	-	-

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, 1989 (CONTINUED)

WORK LOCATION AND TYPE OF MINERAL	POWERED HAULAGE		HOISTING		IGNITION OR EXPLOSION OF GAS OR DUST		IMPAIRMENT		INUNDATION		MACHINERY		SLIP OR FALL OF PERSON		STEPPING OR KNEELING ON OBJECT		STRIKING OR BUMPING		OTHER		TOTAL	
	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL	FTL	MTDL
TOTAL SURFACE:																						
COPPER	-	4	-	-	-	-	-	-	-	-	3,035	145	-	-	-	-	-	-	-	-	6,000	3,307
GOLD	-	5,312	-	-	-	-	-	-	-	-	4,843	700	-	-	2	-	-	-	-	-	6,000	11,520
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	25	48	-	-	-	-	-	-	-	-	-	96
MOLYBDENUM	-	22	-	-	-	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-	42
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,338	-	-	-	-	-	-	-	-	7,946	894	-	-	2	-	-	-	-	-	12,000	15,120
TOTAL MINING:																						
CHARMITE	-	35	-	-	-	-	-	-	-	-	3,037	145	-	-	-	-	-	-	-	-	6,000	38
COPPER	-	4	-	-	-	-	-	-	-	-	5,026	734	-	-	8	-	-	-	-	-	12,000	3,421
GOLD	-	5,327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,000	12,061
IRON	-	-	-	-	-	-	-	-	-	-	1,825	66	-	-	-	-	-	-	-	-	-	33
LEAD-ZINC	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,972
MOLYBDENUM	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57
SILVER	-	2	-	-	-	-	-	-	-	-	42	15	-	-	3	-	-	-	-	-	-	58
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,333	-	-	-	-	-	-	-	-	9,933	1,018	-	-	11	-	-	-	-	-	18,000	17,724
PROCESSING PLANTS:																						
ALUMINUM ORE	-	-	-	-	-	-	-	-	-	-	467	630	-	-	37	-	-	-	-	-	-	1,601
COPPER	-	113	-	-	-	-	-	-	-	-	75	355	-	-	-	-	-	-	-	-	-	1,169
GOLD	-	20	-	-	-	-	-	-	-	-	88	374	-	-	42	-	-	-	-	-	-	1,236
IRON	-	-	-	-	-	-	-	-	-	-	18	8	-	-	-	-	-	-	-	-	-	33
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	50	102	-	-	-	-	-	-	-	-	-	212
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
SILVER	-	1	-	-	-	-	-	-	-	-	65	21	-	-	-	-	-	-	-	-	-	21
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119
TOTAL	-	134	-	-	-	-	-	-	-	-	763	1,450	-	-	80	-	-	-	-	-	309	4,552
TOTAL MINES AND PLANTS:																						
ALUMINUM ORE	-	26	-	-	-	-	-	-	-	-	467	630	-	-	37	-	-	-	-	-	-	1,601
CHARMITE	-	117	-	-	-	-	-	-	-	-	3,112	501	-	-	-	-	-	-	-	-	-	38
COPPER	-	5,347	-	-	-	-	-	-	-	-	5,114	1,108	-	-	50	-	-	-	-	-	6,000	4,590
GOLD	-	-	-	-	-	-	-	-	-	-	18	8	-	-	-	-	-	-	-	-	13,477	66
IRON	-	-	-	-	-	-	-	-	-	-	1,875	168	-	-	-	-	-	-	-	-	-	2,184
LEAD-ZINC	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	73
MOLYBDENUM	-	22	-	-	-	-	-	-	-	-	-	57	-	-	3	-	-	-	-	-	-	57
PLATINUM	-	-	-	-	-	-	-	-	-	-	3	36	-	-	-	-	-	-	-	-	-	79
SILVER	-	2	-	-	-	-	-	-	-	-	107	-	-	-	-	-	-	-	-	-	-	151
URANIUM	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	5,527	-	-	-	-	-	-	-	-	10,656	2,508	-	-	91	-	-	-	-	-	18,000	22,276

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, 1989 (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 C" 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
OFFICE:																						
GOLD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL:																						
ALUMINUM ORE	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMITE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOLD	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IRON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD-ZINC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLATINUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
URANIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	49	-	-	-	31	-	-	-	-	-	6	-	2	-	-	6,000	2,422	-	609	-	20

TABLE 16. - NUMBER OF LOST HOURS BY ACCIDENT CLASSIFICATION AND DEGREE OF INJURY FOR WORK LOCATION AND TYPE OF MINERAL AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (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
OFFICE:																						
GOLD:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	226
LEAD-ZINC:	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-	-	-	-	246
GRAND TOTAL:																						
ALUMINUM ORE:	-	-	-	-	-	-	-	-	-	-	-	467	-	-	-	-	-	-	-	-	1,601	38
CHROME:	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER:	-	117	-	-	-	-	-	-	-	-	-	3,112	-	-	-	-	-	-	-	-	6,000	4,590
GOLD:	-	5,347	-	-	-	-	-	-	-	-	-	12,000	-	-	-	-	-	-	-	-	12,000	13,497
IRON:	-	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	66
LEAD-ZINC:	-	-	-	-	-	-	-	-	-	-	-	1,906	-	-	-	-	-	-	-	-	-	2,410
MOLYBDENUM:	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
NICKEL:	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57
PLATINUM:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79
SILVER:	-	2	-	-	-	-	-	-	-	-	-	107	-	-	-	-	-	-	-	-	-	161
URANIUM:	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER METALS, NEC:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:	-	5,527	-	-	-	-	-	-	-	-	-	12,000	10,727	-	2,561	-	-	-	-	468	18,000	22,522

TABLE 17. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1988

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES						LOST WORKDAYS						AVERAGE SEVERITY		
	FATAL	NFDL			TOTAL FATAL AND NFDL	NFI	TOTAL FATAL AND NFDL	FATAL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL	PARTIAL					
1	-	-	9	10	20	6,000	-	-	100	100	-	-	11	610	
-	-	-	2	2	4	-	-	20	20	-	-	-	10	10	
-	-	-	13	13	19	-	-	279	279	-	-	-	21	21	
-	-	-	-	-	1	-	-	-	3	3	-	-	3	3	
-	-	-	1	1	1	-	-	-	3	3	-	-	3	3	
-	-	-	1	1	4	-	-	-	-	-	-	-	-	-	
-	-	-	1	3	4	-	-	1,800	14	1,814	1,800	-	7	605	
-	-	1	2	3	4	-	-	-	-	-	-	-	-	-	
-	-	1	28	29	56	5,000	-	1,800	419	2,219	1,800	-	15	274	
-	-	-	1	1	26	-	-	-	-	-	-	-	-	-	
-	-	-	1	3	4	-	-	-	57	57	-	-	57	57	
-	-	-	3	2	2	-	-	-	171	171	-	-	57	57	
-	-	-	5	5	6	-	-	-	2	2	-	-	1	1	
-	-	-	5	5	8	-	-	-	30	30	-	-	6	6	
-	-	-	5	5	1	-	-	-	66	66	-	-	13	13	
-	-	-	1	1	1	-	-	-	2	2	-	-	2	2	
-	-	-	1	1	2	-	-	-	13	13	-	-	13	13	
-	-	-	4	4	4	-	-	-	25	25	-	-	6	6	
-	-	-	2	2	2	-	-	-	19	19	-	-	10	10	
-	-	-	24	24	30	-	-	-	385	385	-	-	16	16	
-	-	-	1	1	24	-	-	-	-	-	-	-	-	-	
-	-	-	1	13	1	-	-	-	57	57	-	-	57	57	
-	-	-	12	2	24	6,000	-	-	271	271	-	-	23	482	
-	-	-	7	7	10	-	-	-	2	2	-	-	1	1	
-	-	-	5	5	10	-	-	-	50	50	-	-	7	7	
-	-	-	13	13	19	-	-	-	66	66	-	-	13	13	
-	-	-	-	-	1	-	-	-	279	279	-	-	21	21	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	2	2	-	-	2	2	
-	-	-	-	-	-	-	-	-	3	3	-	-	3	3	
-	-	-	-	-	-	-	-	-	16	16	-	-	8	8	
-	-	-	-	-	-	-	-	-	25	25	-	-	6	6	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	1,800	33	1,833	1,800	8	367	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-											

TABLE 17. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST HOURS					AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	NOL	FATAL	NFDL			PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPORARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL				
SURFACE MINES:															
OPEN PIT:															
BELTMAN/ROOM OPR.	-	-	1	1	1	2	1	-	-	-	-	-	-	4	4
BULLDOZER/MOBILE EQUIP.	-	-	10	10	10	15	5	-	-	-	-	-	-	56	56
DRAG/CRANE/SHOVEL OPR.	-	-	1	1	1	2	1	-	-	-	-	-	-	9	9
DRILL OPERATOR	-	-	14	14	14	23	9	-	-	-	-	-	-	166	166
ELECTRICIAN	-	-	2	2	2	10	8	-	-	-	-	-	-	11	11
FRONT END LOADER	-	-	1	1	1	4	3	-	-	-	-	-	-	5	5
LABORER	-	-	27	26	26	41	13	-	-	-	-	-	-	687	687
MECHANIC/MAINTENANCE	-	-	24	24	24	53	29	-	-	-	-	-	-	332	332
MINER	-	-	2	2	2	3	1	-	-	-	-	-	-	17	17
POWERMAN/BLASTER	-	-	4	4	4	6	2	-	-	-	-	-	-	4,500	4,500
PREP. PLANT OPR.	1	-	3	3	3	10	7	-	-	-	-	-	-	102	102
SUPERVISOR/FOREMAN	-	-	3	3	3	3	3	-	-	-	-	-	-	29	29
TECH./PROP./CLERICAL	-	-	13	13	13	21	8	-	-	-	-	-	-	5,065	5,065
TRUCK DRIVER	-	-	7	7	7	11	3	-	-	-	-	-	-	3,219	3,219
WELDER/MACHINIST	-	-	1	1	1	18	4	-	-	-	-	-	-	328	328
N.E.C. OR UNKNOWN	1	-	13	13	14	18	4	-	-	-	-	-	-	75	75
TOTAL OR AVERAGE	2	-	122	127	129	225	96	12,000	-	12,125	-	2,425	2,985	27,120	210
DREDGE:															
MECHANIC/MAINTENANCE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE, SURFACE:															
BELTMAN/ROOM OPR.	-	-	1	1	1	2	1	-	-	-	-	-	-	4	4
BULLDOZER/MOBILE EQUIP.	-	-	10	10	10	15	5	-	-	-	-	-	-	56	56
DRAG/CRANE/SHOVEL OPR.	-	-	1	1	1	2	1	-	-	-	-	-	-	9	9
DRILL OPERATOR	-	-	14	14	14	23	9	-	-	-	-	-	-	166	166
ELECTRICIAN	-	-	2	2	2	10	8	-	-	-	-	-	-	11	11
FRONT END LOADER	-	-	1	1	1	4	3	-	-	-	-	-	-	5	5
LABORER	-	-	27	26	26	41	13	-	-	-	-	-	-	687	687
MECHANIC/MAINTENANCE	-	-	24	24	24	54	30	-	-	-	-	-	-	332	332
MINER	-	-	2	2	2	3	1	-	-	-	-	-	-	17	17
POWERMAN/BLASTER	-	-	4	4	4	6	2	-	-	-	-	-	-	4,500	4,500
PREP. PLANT OPR.	-	-	3	3	3	10	7	-	-	-	-	-	-	102	102
SUPERVISOR/FOREMAN	-	-	3	3	3	3	3	-	-	-	-	-	-	29	29
TECH./PROP./CLERICAL	-	-	13	13	13	21	8	-	-	-	-	-	-	5,065	5,065
TRUCK DRIVER	-	-	7	7	7	11	3	-	-	-	-	-	-	3,219	3,219
WELDER/MACHINIST	-	-	1	1	1	18	4	-	-	-	-	-	-	328	328
N.E.C. OR UNKNOWN	1	-	13	13	14	18	4	-	-	-	-	-	-	75	75
TOTAL OR AVERAGE	2	-	122	127	129	226	97	12,000	-	12,125	-	2,425	2,985	27,120	210

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, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					TOTAL INJURIES	FATAL	NFDL				TOTAL FATAL AND NFDL	AVERAGE SEVERITY				
	FATAL	NFDL			TOTAL FATAL AND NFDL			NOL	TOTAL FATAL AND NFDL	NFDL			TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PERMANENT	PARTIAL						TOTAL	TEMPORARY						TOTAL NFDL
MINING:																	
BELTMAN/BOOM OPR.	-	-	-	-	1	1	-	-	-	-	-	4	-	-	4	4	
BULLDOZER/MOBILE EQUIP.	-	-	-	-	11	11	-	-	-	-	-	617	-	-	56	56	
DRAG/CRANE/SHOVEL OPR.	-	-	-	-	1	1	-	-	-	-	-	9	-	-	9	9	
DRILL OPERATOR	1	-	-	-	26	26	6,000	-	-	-	-	437	-	-	17	238	
ELECTRICIAN	-	-	-	-	4	4	-	-	-	-	-	13	-	-	3	3	
FRONT END LOADER	-	-	-	-	1	1	-	-	-	-	-	5	-	-	5	5	
LADDER	-	-	-	-	34	35	-	-	-	-	-	737	-	-	20	21	
MECHANIC/MAINTENANCE	-	-	-	-	29	29	-	-	-	-	-	398	-	-	14	20	
MINER	-	-	-	-	15	15	-	-	-	-	-	256	-	-	20	20	
MINING MACH. OPR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POWDERMAN/BLASTER	-	-	-	-	3	4	-	-	-	-	-	86	-	-	29	1,146	
PREP. PLANT OPR.	1	-	-	-	1	1	6,000	-	-	-	-	2	-	-	2	3,001	
RAIL TRANS. AND HAUL	-	-	-	-	1	1	-	-	-	-	-	3	-	-	3	3	
SUPERVISOR/FOREMAN	-	-	-	-	5	5	-	-	-	-	-	118	-	-	24	24	
TECH. /PROP. /CLERICAL	-	-	-	-	3	3	-	-	-	-	-	29	-	-	10	10	
TRUCK DRIVER	-	-	-	-	16	17	-	-	-	-	-	590	-	-	37	293	
WELDER/MACHINIST	-	-	-	-	7	8	-	-	-	-	-	219	-	-	31	402	
N.E.C. OR UNKNOWN	1	-	-	-	18	19	6,000	-	-	-	-	286	-	-	18	430	
TOTAL OR AVERAGE	3	-	-	-	174	180	18,000	-	-	-	-	3,799	-	-	22	195	
PROCESSING PLANTS:																	
BELTMAN/BOOM OPR.	-	-	-	-	1	1	-	-	-	-	-	1	-	-	1	1	
BULLDOZER/MOBILE EQUIP.	-	-	-	-	2	2	-	-	-	-	-	16	-	-	8	8	
DRAG/CRANE/SHOVEL OPR.	-	-	-	-	2	2	-	-	-	-	-	53	-	-	26	26	
DRILL OPERATOR	-	-	-	-	18	18	-	-	-	-	-	311	-	-	17	17	
ELECTRICIAN	-	-	-	-	2	2	-	-	-	-	-	2	-	-	1	1	
FRONT END LOADER	-	-	-	-	2	2	-	-	-	-	-	696	-	-	10	15	
LADDER	-	-	-	-	68	71	-	-	-	-	-	1,096	-	-	133	15	
LOADING MACH. OPR.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MECHANIC/MAINTENANCE	-	-	-	-	2	40	-	-	-	-	-	801	-	-	17	20	
MINER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POWDERMAN/BLASTER	-	-	-	-	2	2	-	-	-	-	-	132	-	-	66	66	
PREP. PLANT OPR.	-	-	-	-	36	37	-	-	-	-	-	852	-	-	24	31	
SUPERVISOR/FOREMAN	-	-	-	-	5	5	-	-	-	-	-	1,152	-	-	7	26	
TECH. /PROP. /CLERICAL	-	-	-	-	1	2	-	-	-	-	-	36	-	-	2	6	
TRUCK DRIVER	-	-	-	-	3	3	-	-	-	-	-	52	-	-	6	6	
WELDER/MACHINIST	-	-	-	-	17	17	-	-	-	-	-	17	-	-	20	20	
N.E.C. OR UNKNOWN	-	-	-	-	21	21	-	-	-	-	-	346	-	-	20	26	
TOTAL OR AVERAGE	-	-	-	-	216	223	-	-	-	-	-	3,652	-	-	17	20	

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, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY			
	FATAL	NFDL			TOTAL FATAL AND NFDL	NOL	TOTAL INJURIES	FATAL	NFDL			PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL
		PERMANENT	TEMPO- RARY	TOTAL NFDL					TOTAL	PARTIAL	TOTAL NFDL			
TOTAL OR AVERAGE														
ALL MINES AND PLANTS:														
BELT/HAND/BOOM DPR.	-	-	2	2	2	2	4	-	-	5	5	-	2	5
BULLDOZER/MOBILE EQUIP.	-	-	11	11	11	11	18	-	-	617	617	-	56	617
DRAG/CRANE/SHOVEL DPR.	-	-	3	3	3	3	5	-	-	25	25	-	8	25
DRILL OPERATOR	1	-	28	28	28	20	49	6,000	-	490	490	-	18	224
ELECTRICIAN	-	-	22	22	22	18	40	-	-	324	324	-	15	15
FRONT END LOADER	-	-	3	3	3	3	6	-	-	7	7	-	2	2
LABORER	-	-	102	106	106	47	153	-	450	1,833	1,833	112	14	17
LOADING MACH. DPR.	-	-	67	69	69	73	142	-	150	1,049	1,049	75	16	17
MECHANIC/MAINTENANCE	-	-	15	15	15	8	23	-	296	296	296	-	20	20
MINER	-	-	5	5	5	2	8	-	4,500	4,718	4,718	4,500	44	786
POWERMAN/BLASTER	-	-	37	38	38	22	61	6,000	300	7,194	7,194	300	23	183
PREP. PLANT DPR.	1	-	1	1	1	1	1	-	-	3	3	-	3	3
RAIL TRANS. AND HAUL	-	-	10	10	10	26	36	-	50	154	154	-	15	15
SUPERVISOR/FOREMAN	-	-	4	4	4	5	6	-	4,500	507	5,107	4,500	8	16
TECH./PROP./CLERICAL	-	-	19	20	20	10	30	-	3,000	565	3,565	3,000	32	255
TRUCK DRIVER	-	-	24	23	23	17	42	-	1,875	823	2,698	938	24	143
WELDER/MACHINIST	1	-	37	38	38	24	64	6,000	-	-	-	-	22	217
N.E.C. OR UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	-	330	403	406	284	590	18,000	14,825	7,451	22,276	1,140	19	99
OFFICE:														
BELT/HAND/BOOM DPR.	-	-	1	1	1	1	1	-	50	-	50	50	-	50
BULLDOZER/MOBILE EQUIP.	-	-	1	1	1	4	9	-	-	21	21	-	21	21
LABORER	-	-	5	5	5	3	5	-	50	89	89	-	18	89
MECHANIC/MAINTENANCE	-	-	1	1	1	1	1	-	-	5	5	-	5	5
MINER	-	-	1	1	1	1	1	-	-	13	13	-	13	13
PREP. PLANT DPR.	-	-	1	1	1	1	1	-	-	15	15	-	15	15
TRUCK DRIVER	-	-	1	1	1	1	1	-	-	3	3	-	3	3
WELDER/MACHINIST	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	2	10	12	12	8	20	-	100	146	246	50	15	20

TABLE 17. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND OCCUPATION AT TIME OF INJURY
AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND OCCUPATION AT TIME OF INJURY	NUMBER OF INJURIES					LOST 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
		TOTAL	PERMANENT	PARTIAL					TOTAL	TEMPO- RARY	TOTAL NFDL				
GRAND TOTAL OR AVERAGE:	3	15	400	415	418	292	710	18,000	14,925	7,597	22,522	40,522	995	19	97
BELTMAN/ROOM OPR.	-	-	2	3	3	2	5	-	50	5	55	55	50	2	18
BULLDOZER/MOBILE EQUIP.	-	-	12	12	12	7	19	-	-	638	638	638	-	53	53
DRAG/CRANE/SHOVEL OPR.	-	-	3	3	3	2	5	6,000	-	25	25	25	-	8	8
DRILL OPERATOR	1	-	28	28	29	20	49	-	-	490	490	6,490	-	18	224
ELECTRICIAN	-	-	22	22	22	18	40	-	-	324	324	6,324	-	15	15
FRONT END LOADER	-	-	3	3	3	3	6	-	-	7	7	7	-	2	2
LABORER	-	4	107	111	111	51	162	-	450	1,472	1,922	1,922	112	14	17
LOADING MACH. OPR.	-	-	68	71	71	76	147	-	200	1,054	1,254	1,254	67	16	18
MECHANIC/MAINTENANCE	-	3	16	16	16	8	24	-	-	309	309	309	-	19	19
MINER	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
MINING MACH. OPR.	-	-	5	6	6	2	8	-	4,500	218	4,718	4,718	4,500	44	786
POWDER/BLASTER	-	1	38	39	40	22	62	6,000	300	869	1,169	7,169	300	23	179
PREP. PLANT OPR.	1	-	1	1	1	2	8	-	-	3	3	3	-	3	3
RAIL TRACKS AND HAUL	-	-	1	1	1	25	36	-	-	154	154	154	-	15	15
SUPERVISOR/FORWARD	-	-	10	10	10	1	6	-	50	31	81	81	50	8	8
TECH./PROP./CLERICAL	-	-	4	5	5	11	31	-	4,500	607	5,107	5,107	4,500	32	252
TRUCK DRIVER	-	-	19	20	20	17	43	-	3,000	568	3,568	3,568	3,000	23	137
WELDER/MACHINIST	-	-	25	26	26	24	64	6,000	1,875	823	2,698	8,698	3,000	22	217
N.E.C. OR UNKNOWN	1	2	37	39	40	24	64	-	-	-	-	-	938	-	-
TOTAL OR AVERAGE:	3	15	400	415	418	292	710	18,000	14,925	7,597	22,522	40,522	995	19	97

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, 1989

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				
		PERMANENT	TEMPO- RARY	TOTAL NFDL				PERMANENT	TEMPO- RARY	TOTAL NFDL								
															TOTAL	PARTIAL	TOTAL	PARTIAL
UNDERGROUND MINES:																		
UNDERGROUND:	-	-	2	-	2	-	-	-	-	-	12	-	-	6				
ELECTRICAL:	-	-	1	-	1	2	-	-	-	-	2	-	-	2				
FALL OF ROOF (UNDER- GROUND MINES ONLY):	-	-	8	-	8	14	-	-	-	-	108	-	-	14				
HANDLING MATERIAL:	-	-	3	-	3	5	-	-	-	-	85	-	-	26				
HAND TOOL:	-	-	2	-	2	3	-	-	-	-	4	-	-	2				
POWERED HAULAGE:	-	-	9	-	9	21	6,000	-	1,800	183	1,983	1,800	20	725				
MACHINERY:	1	-	1	-	1	3	-	-	-	-	16	-	-	16				
SLIP OR FALL OF PERSON:	-	-	2	-	2	3	-	-	-	-	9	-	-	4				
STEPPING OR KNEELING ON OBJECT:	-	-	28	-	28	56	-	1,800	419	2,219	8,219	1,800	15	274				
TOTAL OR AVERAGE:	1	-	30	-	30	86	6,000	-	-	-	8,219	1,800	15	274				
SURFACE AT UNDERGROUND:																		
ELECTRICAL:	-	-	1	-	1	1	-	-	-	-	1	-	-	1				
FALLING, ROLLING, OR SLIDING MATERIAL:	-	-	3	-	3	11	-	-	-	-	198	-	-	22				
HANDLING MATERIAL:	-	-	4	-	4	10	-	-	-	-	23	-	-	6				
HAND TOOL:	-	-	3	-	3	4	-	-	-	-	51	-	-	11				
POWERED HAULAGE:	-	-	3	-	3	5	-	-	-	-	4	-	-	2				
MACHINERY:	-	-	5	-	5	5	-	-	-	-	108	-	-	22				
SLIP OR FALL OF PERSON:	-	-	24	-	24	30	-	-	-	-	385	-	-	16				
TOTAL OR AVERAGE:	-	-	24	-	24	30	-	-	-	-	385	-	-	16				
SURFACE AT SURFACE:																		
ELECTRICAL:	-	-	3	-	3	3	-	-	-	-	13	-	-	3				
FALLING, ROLLING, OR SLIDING MATERIAL:	-	-	-	-	-	1	-	-	-	-	-	-	-	-				
FALL OF ROOF (UNDER- GROUND MINES ONLY):	-	-	1	-	1	3	-	-	-	-	2	-	-	2				
HANDLING MATERIAL:	-	-	17	-	17	23	-	-	-	-	308	-	-	26				
HAND TOOL:	-	-	7	-	7	11	-	-	-	-	108	-	-	11				
POWERED HAULAGE:	-	-	5	-	5	6	-	-	-	-	15	-	-	3				
MACHINERY:	1	-	12	-	13	25	6,000	-	1,800	187	1,987	1,800	17	619				
SLIP OR FALL OF PERSON:	-	-	6	-	6	9	-	-	-	-	124	-	-	21				
STEPPING OR KNEELING ON OBJECT:	-	-	2	-	2	3	-	-	-	-	9	-	-	4				
TOTAL OR AVERAGE:	1	-	53	-	54	86	6,000	-	1,800	804	2,604	1,800	15	155				

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, 1969 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY				
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	NFIDL	TOTAL IN- LIVES	FATAL	NFIDL			TOTAL FATAL AND NFIDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFIDL
		PERMANENT	TEMPO- RARY	TOTAL NFIDL					TOTAL	PARTIAL					
SURFACE MINES:															
OPEN PIT:															
EXPLODING VESSEL	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
UNDER PRESSURE	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE OR HIGHWALL	1	1	37	38	39	33	5,000	5,000	33	50	681	6,500	50	178	6,500
HANDLING MATERIAL	-	-	16	16	16	33	-	-	33	536	5,336	5,336	-	178	5,336
HAND TOOL	-	-	14	15	15	25	-	-	25	4,500	5,336	5,336	-	178	5,336
POWERED HAULAGE	1	1	20	23	24	33	5,000	5,000	33	7,576	7,946	7,946	-	178	7,946
MACHINERY	-	-	30	30	30	55	-	-	55	-	894	894	-	178	894
SUPPLY OF FALL OF PERSON	-	-	1	1	1	2	-	-	2	-	2	2	-	178	2
STEPPING OR KNEELING ON OBJECT	-	-	5	5	5	8	-	-	8	-	155	155	-	178	155
STRUCK OR BUMPING	-	-	122	127	129	225	-	-	225	12,125	15,120	27,120	2,425	25	27,120
OTHER INJURIES	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
TOTAL OF AVERAGE	2	-	122	127	129	226	12,000	12,000	226	12,125	15,120	27,120	2,425	25	27,120
DREIZE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HAND TOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OF AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE MINES:															
EXPLODING VESSEL	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
UNDER PRESSURE	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-
FALL OF FACE, RIB, SIDE OR HIGHWALL	1	1	37	38	39	33	6,000	6,000	33	50	681	6,500	50	178	6,500
HANDLING MATERIAL	-	-	16	16	16	33	-	-	33	536	5,336	5,336	-	178	5,336
HAND TOOL	-	-	14	15	15	25	-	-	25	4,500	5,336	5,336	-	178	5,336
POWERED HAULAGE	1	1	20	23	24	33	6,000	6,000	33	7,576	7,946	7,946	-	178	7,946
MACHINERY	-	-	30	30	30	55	-	-	55	-	894	894	-	178	894
SUPPLY OF FALL OF PERSON	-	-	1	1	1	2	-	-	2	-	2	2	-	178	2
STEPPING OR KNEELING ON OBJECT	-	-	5	5	5	8	-	-	8	-	155	155	-	178	155
STRUCK OR BUMPING	-	-	122	127	129	226	-	-	226	12,125	15,120	27,120	2,425	25	27,120
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OF AVERAGE	2	-	122	127	129	226	12,000	12,000	226	12,125	15,120	27,120	2,425	25	27,120

TABLE 18. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR WORK LOCATION AND ACCIDENT CLASSIFICATION AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989 (CONTINUED)

WORK LOCATION AND ACCIDENT CLASSIFICATION	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				TOTAL	PARTIAL						
										PERMANENT					TEMPORARY
TOTAL OR AVERAGE, MINING:															
ELECTRICAL	-	-	-	3	3	3	-	-	-	13	13	-	4	4	
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNDER PRESSURE	-	-	-	1	1	1	-	-	-	-	-	-	-	-	
FALLING, ROLLING, OR	-	-	-	1	1	1	-	-	-	-	-	-	-	-	
SLIDING MATERIAL	-	-	-	1	1	1	-	-	-	-	-	-	-	-	
FALL OF FACE, RIB, SIDE	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
OR HIGHWALL	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
FALL OF ROOF (UNDER-	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
GROUND) PILES ONLY	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
HANDLING MATERIAL	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
HAND TOOLS	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
POWERED FALLAGE	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
WAGGERS	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
SUBSIDING	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
SLIP OR FALL OF	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
PERSON	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
STEERING OR ANCHORING	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
ON GEAR	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
STEERING OR BUMPING	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
OTHER INJURIES	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	312	183	495	-	-	-	13,016	13,016	-	35	35	
PROCESSING PLANTS:															
ELECTRICAL	-	-	-	3	3	3	-	-	-	35	35	-	13	13	
EXPLODING VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNDER PRESSURE	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
HANDLING MATERIAL	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
HAND TOOLS	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
POWERED FALLAGE	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
WAGGERS	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
SUBSIDING	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
SLIP OR FALL OF	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
PERSON	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
STEERING OR ANCHORING	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
ON GEAR	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
STEERING OR BUMPING	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
OTHER INJURIES	-	-	-	3	3	3	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	-	-	-	312	223	535	-	-	-	13,552	13,552	-	35	35	

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, 1989 (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	
		TOTAL	PARTIAL	TEMPO- RARY					TOTAL NFDL	PERMANENT						TOTAL NFDL
										TOTAL	PARTIAL					
GRAND TOTAL OR AVERAGE:	-	5	-	5	5	-	5	-	-	-	-	49	-	10	10	
ELECTRICAL	-	1	-	1	1	1	1	-	-	-	-	31	-	31	31	
EXPLOSIVE VESSEL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UNDER PRESSURE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FALLING, ROLLING, OR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SLIDING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FALL OF FACE, RIB, SIDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OR HIGHWALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FALL OF ROOF (UNDER-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GROUND MINES ONLY)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HANDLING MATERIAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAND TOOL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POWERED HAULAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POWERED HAULAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MACHINERY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUPPLY OR FALL OF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PERSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STEPPING OR KNEELING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ON OBJECT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STRIKING OR BUMPING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OTHER INJURIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL OR AVERAGE	3	415	15	400	418	292	710	18,000	14,095	300	7,597	40,522	995	19	97	

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, 1989

ACCIDENT CLASSIFICATION 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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		PERMANENT	TEMPO- RARY	TOTAL NFDL				TOTAL	PARTIAL						
ELECTRICAL: EYE----- UPPER EXTREMITIES, NEC----- BODY SYSTEMS----- TOTAL OR AVERAGE-----	- - - -	- - - -	1 1 3 5	1 1 3 5	1 1 3 5	1 1 3 5	- - - -	- - - -	- - - -	1 33 15 49	- - - -	1 33 5 10	1 33 5 10		
EXPLODING VESSEL UNDER PRESSURE----- FACE, NEC----- ELBOW----- TOTAL OR AVERAGE-----	- - - -	- - - -	- 1 1 1	- 1 1 1	- 1 1 1	1 1 1 2	- - - -	- - - -	- - - -	- - 31 31	- - - -	- - 31 31	- - 31 31		
FALLING, ROLLING, OR SLIDING MATERIAL----- BACK----- TOTAL OR AVERAGE-----	- - -	- - -	- - -	- - -	- - -	1 1 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -		
FALL OF FACE, RIB, SIDE OR HIGHWALL----- TRUNK, NEC----- KNEE----- FOOT----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	- 1 1 1 2	- 1 1 1 1	- 1 1 1 2	1 1 1 3	- - - -	- - - -	- - - -	- 6 6 6	- - - -	- 6 6 6	- 6 6 6		
FALL OF ROOF (UNDER- GROUND MINES ONLY): ELBOW----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	- - - -	- - - -	- 1 1 2	- 1 1 1	- 1 1 2	1 2 3	- - -	- - -	- - -	- 2 2 2	- - -	- 2 2 2	- 2 2 2		

TABLE 19. - NUMBER OF INJURIES, LOST HOURS, AND AVERAGE SEVERITY BY DEGREE FOR ACCIDENT CLASSIFICATION AND PART OF BODY INJURED AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1969 (CONTINUED)

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	TOTAL NFDL					TOTAL	PARTIAL						
HANDLING MATERIAL:																
EYE	-	-	5	-	5	6	11	-	-	64	-	-	13	64	-	13
MOUTH/TEETH/TONGUE	-	-	2	-	2	6	6	-	-	-	10	-	5	-	-	5
NOSE	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	3	-	3	2	4	-	-	28	17	-	9	28	17	9
HEAD, NEC	-	-	2	-	2	1	4	-	-	17	2	-	8	17	2	8
NECK	-	-	1	-	1	3	4	-	-	18	2	-	2	18	2	4
ELBOW	-	-	4	-	4	4	4	-	-	24	24	-	6	24	24	6
FOREARM	-	-	4	-	4	7	11	-	-	139	188	-	9	139	188	9
WRIST	-	-	15	-	15	27	42	-	-	29	29	-	63	29	29	63
HAND	-	-	3	-	3	4	7	-	-	548	548	-	12	548	548	12
FINGER(S)	-	-	1	-	1	2	3	-	-	3	3	-	2	3	3	2
UPPER EXTREMITIES, NEC	-	-	44	-	44	16	60	-	-	431	431	-	50	431	431	50
ARM/SHOULDER	-	-	2	-	2	2	4	-	-	131	131	-	15	131	131	15
BACK	-	-	15	-	15	1	16	-	-	70	70	-	8	70	70	8
CHEST	-	-	9	-	9	4	13	-	-	33	33	-	16	33	33	16
PELVIC REGION	-	-	2	-	2	1	3	-	-	3	3	-	3	3	3	3
SHOULDER(S)	-	-	9	-	9	1	1	-	-	209	209	-	23	209	209	23
TRUNK, NEC	-	-	1	-	1	4	13	-	-	16	16	-	16	16	16	16
THIGH	-	-	9	-	9	1	1	-	-	404	404	-	67	404	404	67
KNEE	-	-	1	-	1	1	6	-	-	20	20	-	7	20	20	7
ANKLE	-	-	6	-	6	3	9	-	-	55	55	-	18	55	55	18
FOOT	-	-	3	-	3	1	2	-	-	4	4	-	4	4	4	4
TOE(S)	-	-	3	-	3	1	9	-	-	107	107	-	12	107	107	12
LOWER EXTREMITIES, NEC	-	-	9	-	9	10	11	-	-	6,107	6,107	-	15	6,107	6,107	15
BODY SYSTEMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	1	6	139	145	146	98	244	6,000	300	2,122	2,422	50	15	8,422	50	58
HAND TOOL:																
EYE	-	-	2	-	2	2	4	-	-	7	7	-	4	7	-	4
JAW	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
MOUTH/TEETH/TONGUE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	2	-	2	-	2	-	-	15	15	-	8	15	-	8
NECK	-	-	1	-	1	-	1	-	-	25	25	-	25	25	-	25
ELBOW	-	-	2	-	2	2	3	-	-	17	17	-	6	17	-	6
FOREARM	-	-	3	-	3	6	11	-	-	135	135	-	15	135	-	15
WRIST	-	-	5	-	5	17	26	-	-	93	93	-	12	93	-	12
HAND	-	-	9	-	9	3	10	-	-	26	26	-	26	26	-	26
FINGER(S)	-	-	8	-	8	2	3	-	-	50	50	-	15	50	-	15
UPPER EXTREMITIES, NEC	-	-	1	-	1	1	5	-	-	75	75	-	2	75	-	2
BACK	-	-	5	-	5	1	2	-	-	26	26	-	2	26	-	2
CHEST	-	-	1	-	1	1	3	-	-	62	62	-	31	62	-	31
PELVIC REGION	-	-	2	-	2	1	2	-	-	42	42	-	42	42	-	42
SHOULDER(S)	-	-	2	-	2	1	6	-	-	23	23	-	23	23	-	23
THIGH	-	-	1	-	1	1	2	-	-	609	609	-	13	609	-	13
KNEE	-	-	2	-	2	1	5	-	-	-	-	-	-	-	-	-
LOWER LEG	-	-	2	-	2	1	2	-	-	559	559	-	13	559	-	13
ANKLE	-	-	1	-	1	1	6	-	-	-	-	-	-	-	-	-
LOWER EXTREMITIES, NEC	-	-	1	-	1	1	2	-	-	-	-	-	-	-	-	-
MULTIPLE PARTS OF BODY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	1	43	44	44	46	90	-	50	559	609	50	13	609	50	14

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, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION 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	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL	
		TOTAL	PARTIAL	TEMPO- RARY				TOTAL NFDL	PERMANENT						
									TOTAL	PARTIAL					
NONPOWERED HAULAGE: SHOULDER(S)..... FOOT..... TOTAL OR AVERAGE.....	- - - -	- - - -	- - - -	1 1 2 -	1 1 2 -	1 1 2 -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	7 13 10 -	7 13 10 -	7 13 10 -
POWERED HAULAGE: EYE..... NECK..... WRIST..... FINGER(S)..... UPPER EXTREMITIES, NEC..... BACK..... CHEST..... SHOULDER(S)..... TRUNK, NEC..... KNEE..... LOWER LEG..... LOWER EXTREMITIES, NEC..... MULTIPLE PARTS OF BODY..... UNCLASSIFIED..... TOTAL OR AVERAGE.....	- - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	3 1 2 3 1 5 1 3 3 3 1 5 9 2 41	3 1 2 3 1 5 1 3 3 3 1 9 9 2 15	3 1 2 3 1 5 1 3 3 3 1 9 9 2 26	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -	- - - - - - - - - - - - - -
MACHINERY: EAR..... EYE..... HEAD, NEC..... ELBOW..... FOREARM..... WRIST..... HAND..... FINGER(S)..... UPPER EXTREMITIES, NEC..... BACK..... PELVIC REGION..... SHOULDER(S)..... TRUNK, NEC..... KNEE..... LOWER LEG..... ANKLE..... FOOT..... TOE(S)..... LOWER EXTREMITIES, NEC..... BODY SYSTEMS..... MULTIPLE PARTS OF BODY..... UNCLASSIFIED..... TOTAL OR AVERAGE.....	- 2	- -	- -	3 31 4 2 5 6 12 23 5 7 2 2 2 1 1 1 1 3 1 7 1 7 1 127	3 18 1 2 4 2 6 9 1 1 2 1 1 1 1 3 1 3 1 3 1 57	3 13 3 1 1 4 6 14 14 7 7 1 1 1 1 3 1 4 1 4 1 70	- -	- -	- -	- -	- -	- -	- -	- -	- -

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, 1969 (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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
SLIP OR FALL OF PERSON: MOUTH/TEETH/TONGUE----- NOSE----- FACE, NEC----- HEAD, NEC----- ELBOW----- FOREARM----- WRIST----- HAND----- FINGER(S)----- UPPER EXTREMITIES, NEC----- BACK----- CHEST----- PELVIC REGION----- SHOULDER(S)----- TRUNK, NEC----- THIGH----- KNEE----- LOWER LEG----- ANKLE----- FOOT----- TOE(S)----- LOWER EXTREMITIES, NEC----- MULTIPLE PARTS OF BODY----- TOTAL OR AVERAGE-----	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND PART OF BODY INJURED	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFIDL			TOTAL FATAL AND NFIDL	TOTAL INJURIES	NFIDL	FATAL	PERMANENT		TEMPORARY	TOTAL NFIDL	TOTAL FATAL AND NFIDL	PERMANENT PARTIAL	TEMPORARY	TOTAL FATAL AND NFIDL
		TOTAL	PARTIAL	TOTAL					PARTIAL							
OTHER INJURIES:																
EYE	-	-	2	-	2	6	4	-	-	-	5	5	5	-	2	2
HEAD, NEC	-	-	1	-	1	1	-	-	-	-	5	5	5	-	5	5
NECK	-	-	1	-	1	1	-	-	-	-	-	300	300	300	-	300
FOREARM	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
WRIST	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
HAND	-	-	1	-	1	1	-	-	-	-	153	153	153	-	153	153
BACK	-	-	1	-	1	1	-	-	-	-	5	5	5	-	5	5
CHEST	-	-	1	-	1	1	-	-	-	-	1	1	1	-	1	1
FOOT	-	-	1	-	1	3	2	-	-	-	-	-	-	-	-	-
BODY SYSTEMS	-	-	1	-	1	3	2	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	1	6	7	7	17	10	-	-	300	169	469	469	300	28	67
TOTAL OR AVERAGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE:	-	-	22	23	23	3	3	-	-	1,800	107	1,907	1,907	1,800	5	83
EAR	-	-	-	-	-	57	34	-	-	-	-	-	-	-	-	-
EYE	-	-	-	-	-	1	9	-	-	-	-	-	-	-	-	-
JAW	-	-	-	-	-	3	5	-	-	-	10	10	10	-	5	5
MOUTH/TEETH/TONGUE	-	-	2	-	2	3	3	-	-	-	-	-	-	-	-	-
NOSE	-	-	-	-	-	9	3	-	-	-	-	-	-	-	-	-
FACE, NEC	-	-	5	-	5	9	2	-	-	-	37	37	6,037	300	7	1,006
HEAD, NEC	1	-	5	-	6	8	3	6,000	-	300	43	343	343	-	9	57
NECK	-	-	5	-	6	14	7	-	-	-	152	152	4,517	4,500	22	22
ELBOW	-	-	2	-	3	15	12	-	-	4,500	17	17	4,517	4,500	8	1,506
FOREARM	-	-	1	-	1	23	9	-	-	-	161	161	161	-	12	12
WRIST	-	-	14	-	14	38	21	-	-	-	221	221	221	-	13	13
HAND	-	-	17	-	17	98	57	-	-	-	523	523	523	-	14	24
FINGER(S)	-	-	38	-	41	18	9	-	-	475	310	310	310	158	34	34
UPPER EXTREMITIES, NEC	-	-	9	-	9	3	2	-	-	-	29	29	29	-	29	29
ARM/SHOULDER	-	-	1	-	1	115	27	-	-	-	1,675	9,175	9,175	3,750	19	103
BACK	-	-	87	-	89	18	7	-	-	7,500	84	84	84	-	8	8
CHEST	-	-	11	-	11	22	4	-	-	-	141	491	491	50	13	27
PELVIC REGION	-	-	11	-	11	29	5	-	-	350	286	286	286	-	12	12
SHOULDER(S)	-	-	24	-	24	4	2	-	-	-	63	63	63	-	13	13
TRUNK, NEC	-	-	5	-	5	8	3	-	-	-	5	5	5	-	2	2
THIGH	-	-	2	-	2	4	2	-	-	-	759	759	759	-	2	2
KNEE	-	-	33	-	33	47	14	-	-	-	130	130	130	-	23	23
LOWER LEG	-	-	4	-	4	6	2	-	-	-	382	382	382	-	32	32
ANKLE	-	-	4	-	4	23	9	-	-	-	532	532	532	-	14	14
FOOT	-	-	27	-	27	36	9	-	-	-	702	702	702	-	33	33
TOE(S)	-	-	16	-	16	3	3	-	-	-	24	24	24	-	5	5
LOWER EXTREMITIES, NEC	-	-	15	-	15	33	18	-	-	-	702	702	702	-	47	47
BODY SYSTEMS	1	-	5	-	6	9	3	6,000	-	-	20	20	5,000	-	37	37
MULTIPLE PARTS OF BODY	1	-	32	-	33	44	11	6,000	-	-	1,171	1,171	7,171	-	3	3
UNCLASSIFIED	-	-	1	-	1	3	2	-	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	3	15	400	415	418	710	292	18,000	-	14,925	7,597	22,522	40,522	995	19	97

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, 1989

ACCIDENT CLASSIFICATION (ANSI) NATURE OF INJURY	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	TEMPO- RARY					TOTAL NFIDL
ELECTRICAL: ASPHYXIATION/CHOKING----- ELECTRIC SHOCK----- POISONING (SYSTEMIC)----- POISONING (LOCAL)----- RADIATION/ULTRA VIOLET----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	1 1 1 2 5	1 1 1 2 5	- - - - -	1 1 1 2 5	1 1 1 2 5	- - - - -	- - - - -	- - - - -	1 3 11 34 49	- - - - -	1 3 11 17 10	1 3 11 17 10		
EXPLODING VESSEL UNDER PRESSURE----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - -	- - - -	1 1 1 2	1 1 1 2	- - - -	1 1 1 2	1 1 1 2	- - - -	- - - -	- - - -	- - - -	31 31 31 31	- - - -	31 31 31 31	31 31 31 31	
FALLING, ROLLING, OR SLIDING MATERIAL----- OTHER INJURY, NEC----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	- - - -	- - - -	1 1 1 1	1 1 1 1	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
FALL OF FACE, RIB, SIDE OR HIGHWALL----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - -	- - - - -	1 1 1 2 3	1 1 1 2 3	- - - - -	1 1 1 2 3	1 1 1 2 3	- - - - -	- - - - -	- - - - -	- - - - -	6 6 6 6 6	- - - - -	6 6 6 6 6	6 6 6 6 6	
FALL OF ROOF (UNDER- GROUND MINES ONLY): CUT OR PUNCTURE----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - -	- - - -	2 1 1 3	2 1 1 3	- - - -	2 1 1 3	2 1 1 3	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	

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, 1989 (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	TOTAL					TEMPO- RARY	TOTAL NFIDL						
			TOTAL	PARTIAL											
HANDLING MATERIAL:															
CHEMICAL BURN	-	-	8	8	8	12	4	6,000	-	-	125	125	-	16	16
CONTUSION OR BRUISE	1	-	21	22	22	32	10	-	-	-	182	6,182	-	9	281
CUT OR PUNCTURE	-	-	12	12	12	43	31	-	-	-	107	107	-	9	9
DERMATITIS	-	-	2	2	2	1	1	-	-	-	-	-	-	-	-
DISLOCATION	-	-	2	2	2	3	1	-	-	-	187	187	-	94	94
DUST IN EYE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
FRACTURE	-	-	10	10	10	21	11	-	-	-	481	481	-	48	48
FREEZING/FROSTBITE	-	-	1	1	1	6	1	-	-	-	6	6	-	6	6
HERNIA (NOT DISC)	-	-	6	6	6	1	1	-	-	-	300	300	50	50	50
POISONING (SYSTEMIC)	-	-	1	1	1	2	1	-	-	-	4	4	-	4	4
SCALD/ABRASION	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
STRAIN/SPRAIN	-	-	73	73	73	100	27	-	-	-	933	933	-	13	13
MULTIPLE INJURIES	-	-	5	5	5	11	6	-	-	-	63	63	-	13	13
OTHER INJURY, NEC	-	-	3	3	3	5	2	-	-	-	17	17	-	6	6
UNCLASSIFIED (NO DATA)	-	-	3	3	3	5	2	-	-	-	17	17	-	6	6
TOTAL OR AVERAGE	1	-	139	145	146	244	98	6,000	-	300	2,122	8,422	50	15	58
HAND TOOL:															
CONTUSION OR BRUISE	-	-	7	7	7	13	6	-	-	-	39	39	-	6	6
CUT OR PUNCTURE	-	-	11	11	11	36	25	-	-	-	30	30	-	3	3
DISLOCATION	-	-	2	2	2	1	1	-	-	-	39	39	-	20	20
DUST IN EYE	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
FRACTURE	-	-	3	3	3	6	3	-	-	-	97	97	-	32	32
HERNIA (NOT DISC)	-	-	1	1	1	1	1	-	-	-	50	50	50	50	50
STRAIN/SPRAIN	-	-	14	14	14	17	3	-	-	-	182	182	-	13	13
MULTIPLE INJURIES	-	-	4	4	4	9	5	-	-	-	118	118	-	30	30
OTHER INJURY, NEC	-	-	2	2	2	1	1	-	-	-	54	54	-	27	27
UNCLASSIFIED (NO DATA)	-	-	2	2	2	3	1	-	-	-	-	-	-	-	-
TOTAL OR AVERAGE	-	1	43	44	44	90	46	-	50	558	609	609	50	13	14
NONPOWERED HAULAGE:															
CONTUSION OR BRUISE	-	-	1	1	1	2	1	-	-	-	13	13	-	13	13
STRAIN/SPRAIN	-	-	1	1	1	1	-	-	-	-	7	7	-	7	7
TOTAL OR AVERAGE	-	-	2	2	2	3	1	-	-	-	20	20	-	10	10
POWERED HAULAGE:															
CHEMICAL BURN	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
CONTUSION OR BRUISE	-	-	6	6	6	10	4	-	-	-	19	19	-	3	3
CUT OR PUNCTURE	-	-	1	1	1	2	2	-	-	-	14	14	100	14	57
DUST IN EYE	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-
FRACTURE	-	-	4	4	4	5	2	-	-	-	359	359	-	90	90
SCALD/ABRASION	-	-	-	-	-	1	1	-	-	-	188	188	-	188	188
STRAIN/SPRAIN	-	-	4	4	4	7	3	-	-	-	44	44	-	11	11
MULTIPLE INJURIES	-	-	6	6	6	8	2	-	-	-	298	298	-	50	50
OTHER INJURY, NEC	-	-	1	1	1	1	1	-	-	-	1	1	-	1	1
UNCLASSIFIED (NO DATA)	-	-	1	1	1	4	2	-	-	-	4,504	4,504	4,500	4	2,252
TOTAL OR AVERAGE	-	2	24	26	26	41	15	-	4,600	927	5,527	5,527	2,300	39	213

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, 1989 (CONTINUED)

ACCIDENT CLASSIFICATION AND NATURE OF INJURY	NUMBER OF INJURIES					LOST WORKDAYS					AVERAGE SEVERITY					
	FATAL	NFDL			TOTAL FATAL AND NFDL	TOTAL INJURIES	FATAL	PERMANENT		TOTAL NFDL	TOTAL FATAL AND NFDL	PERMA- NENT PARTIAL	TEMPO- RARY	TOTAL FATAL AND NFDL		
		TOTAL	PARTIAL	TOTAL				PARTIAL								
MACHINERY: AMPUTATION/ENCAUTION----- ASPHYXIATION/CHOKING----- BURN/SCALD (HOT LIQ.)----- CHEMICAL BURN----- COMFUSION OR BRUISE----- CUT OR FRACTURE----- DISLOCATION----- DUST IN EYE----- FRACTURE----- RADIATION/ALTRA VIOLET----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- OTHER INJURY, NEC----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - 1 - - - - - - - - - - - - 2	- - - - 1 - - - - - - - - - - - - 5	- - 1 8 11 4 11 3 3 6 1 1 5 63	3 - 1 2 9 11 4 11 3 3 11 6 1 5 68	3 1 1 2 10 11 4 11 3 3 11 6 1 5 70	3 1 6 3 17 35 1 11 13 5 1 13 8 2 8 127	6,000 - - - 6,000 - - - - - - - - - - - - - 12,000	- - - - - - - - - - - - - - - - - - 9,675	4,875 - 1,800 3,000 - - - - - - - - - - - - - - - 10,727	- - - - 51 183 17 8 390 10 - 263 35 26 61 1,052	- - - - 7 17 2 8 390 3 - 263 35 26 61 1,935	- - - - 7 17 2 8 390 3 - 263 35 26 61 1,935	1,625 6,000 - - 904 905 17 17 2 35 3 - 24 6 26 12 325			
SUP OR FALL OF PERSON: BURN/SCALD (HOT LIQ.)----- CHEMICAL BURN----- COMFUSION OR BRUISE----- CUT OR FRACTURE----- DISLOCATION----- FRACTURE----- SCRATCH/ABRASION----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- UNCLASSIFIED (NO DATA)----- TOTAL OR AVERAGE-----	- - - - - - - - - - - - -	- - - - - - - - - - - - -	1 1 17 2 2 17 47 12 4 103	1 1 17 2 2 17 47 12 4 103	1 1 17 2 2 17 47 12 4 103	1 1 26 12 24 1 62 15 9 153	- - - - - - - - - - - - -	- - - - - - - - - - - - -	27 1 420 20 22 431 1,083 426 131 2,561	- - - - - - - - - - - -	- - - - - - - - - - - -	27 1 25 10 11 25 23 36 33 25	27 1 25 10 11 25 23 36 33 25	27 1 25 10 11 25 23 36 33 25		
STEPPING OR KNEELING ON OBJECT: COMFUSION OR BRUISE----- CUT OR FRACTURE----- FRACTURE----- STRAIN/SPRAIN----- MULTIPLE INJURIES----- TOTAL OR AVERAGE-----	- - - - - -	- - - - - -	1 4 1 5 12	1 4 1 5 12	1 4 1 5 12	1 6 1 7 1 16	- - - - - -	- - - - - -	3 16 4 76 99	- - - - -	- - - - -	- - - - -	3 4 4 13 8	3 4 4 13 8	3 4 4 13 8	
STRIKING OR BUMPING: COMFUSION OR BRUISE----- CUT OR FRACTURE----- TOTAL OR AVERAGE-----	- - - -	- - - -	- - - -	- - - -	- - - -	1 4 5	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -

TABLE 21. - OCCURRENCES REPORTED TO NIOSH AS OCCUPATIONAL ILLNESSES AT CONTRACTOR METALLIC MINERAL OPERATIONS IN THE UNITED STATES, 1989

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 PLANT: ALUMINUM ORE: TEXAS	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
COPPER: ARIZONA	-	-	-	1	-	-	-	1
TOTAL	-	-	-	1	-	-	-	1
GOLD: NEVADA	2	-	-	-	-	1	-	3
TOTAL	2	-	-	-	-	1	-	3
TOTAL MINES AND PLANTS: ALUMINUM ORE: TEXAS	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
COPPER: ARIZONA	-	-	-	1	-	-	-	1
TOTAL	-	-	-	1	-	-	-	1
GOLD: NEVADA	2	-	-	-	-	1	-	3
TOTAL	2	-	-	-	-	1	-	3
GRAND TOTAL: ALUMINUM ORE: TEXAS	-	-	-	-	1	-	-	1
TOTAL	-	-	-	-	1	-	-	1
COPPER: ARIZONA	-	-	-	1	-	-	-	1
TOTAL	-	-	-	1	-	-	-	1
GOLD: NEVADA	2	-	-	-	-	1	-	3
TOTAL	2	-	-	-	-	1	-	3
TOTAL OR AVERAGE	2	-	-	1	1	1	-	5

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, 1989
(CONTRACTOR DATA)

WORK LOCATION AND MINERAL INDUSTRY	FATAL	FATAL INCIDENCE RATE	MFDL	MFDL INCIDENCE RATE	NOL	NOL INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED
UNDERGROUND MINES:										
METAL-----	1		53		32		86			
NONMETAL-----	-		6		5		11			
STONE-----	1	.09	1		1		2	8.57	3,076	2,309,341
TOTAL, UNDERGROUND MINES-----			60		38		99			
SURFACE MINES:										
METAL-----	2		127		97		226			
NONMETAL-----	1		22		8		31			
STONE-----	2		53		24		79			
SUBTOTAL, SURFACE MINES-----	5		202		129		336			
SAND AND GRAVEL-----	1		17		14		32			
TOTAL, SURFACE MINES-----	6	.07	219		143		368	4.59	13,115	16,026,741
TOTAL, MINES-----	7	.08	279		181		467	5.09	16,191	18,336,082
MILLS:										
METAL-----	-		223		155		378			
NONMETAL-----	2		36		42		80			
STONE-----	2	.08	126		59		187	12.37	8,685	10,431,388
TOTAL, MILLS-----	4		385		256		645			
INDEPENDENT SHOPS AND YARDS:										
METAL-----	-		-		-		-			
NONMETAL-----	-		-		-		-			
STONE-----	-		-		-		-			
TOTAL, SHOPS AND YARDS-----	-		-		-		-		2	736
ALL MINES, MILLS AND SHOPS:										
METAL-----	3		403		284		690			
NONMETAL-----	3		54		55		122			
STONE-----	4		180		84		268			
SUBTOTAL-----	10		647		423		1,080			
SAND AND GRAVEL-----	1		17		14		32			
TOTAL, MINES/MILLS/SHOPS-----	11	.08	664		437		1,112	7.73	24,878	28,768,206
OFFICERWORKERS:										
METAL-----	-		12		8		20			
NONMETAL-----	-		-		1		1			
STONE-----	-		-		2		2			
SAND AND GRAVEL-----	-		-		-		-			
TOTAL, OFFICERWORKERS-----	-		12		11		23	2.90	1,340	1,588,753
SUMMARY TOTAL (INCLUDES OFFICE- WORKERS):										
METAL-----	3		415		292		710			
NONMETAL-----	3		64		56		123			
STONE-----	4		180		86		270			
SUBTOTAL-----	10		659		434		1,103			
SAND AND GRAVEL-----	1		17		14		32			
GRAND TOTAL-----	11	.07	676		448		1,135	7.48	26,218	30,356,959

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, 1989
(CONTRACTOR DATA)

TYPE OF COAL AND WORK LOCATION	FATAL	FATAL INCIDENCE RATE	NFDL	NFDL INCIDENCE RATE	NDL	NDI INCIDENCE RATE	ALL OCCURRENCES	ALL INCIDENCE RATE	AVERAGE NUMBER OF EMPLOYEES	EMPLOYEE HOURS REPORTED	PRODUCTION REPORTED (SHORT TONS)
BITUMINOUS COAL:											
UNDERGROUND MINES:	-		60		18		78				
SURFACE:	1		34		59		137				
TOTAL, UNDERGROUND MINES:	1		94		42		210				
SURFACE MINES:	3		123		84		5				
STRIP MINES:	-		3		2		-				
AUGER MINES:	-		3		86		215				
TOTAL, SURFACE MINES:	3		126		126		352				
TOTAL, PRODUCTION MINING:	4		220		42		154				
PREPARATION PLANTS:	2		110		4		158				
INDEPENDENT SHOPS/YARDS:	1		111		45		510				
TOTAL, OTHER OPERATIONS:	2		331		173						
TOTAL, BITUMINOUS MINING:	6										
PENNSYLVANIA ANTHRACITE COAL:											
UNDERGROUND MINES:	-		-		-		-				
SURFACE:	-		1		-		-				
TOTAL, UNDERGROUND MINES:	-		4		-		-				
SURFACE MINES:	-		1		-		-				
CULM BANK:	-		5		-		-				
DREDGE:	-		6		-		-				
TOTAL, SURFACE MINES:	-		11		-		-				
TOTAL, PRODUCTION MINING:	-		1		-		-				
PREPARATION PLANTS:	-		1		-		-				
INDEPENDENT SHOPS/YARDS:	-		1		-		-				
TOTAL, OTHER OPERATIONS:	-		7		-		-				
TOTAL, ANTHRACITE MINING:	-										
ALL COAL:											
UNDERGROUND MINES:	-		60		18	2.82	78	12.20	1,278	1,278,715	258,553
SURFACE:	1	.07	35		24	1.58	60	3.94	3,001	3,045,627	-
TOTAL, UNDERGROUND MINES:	1	.05	95		42	1.94	138	6.38	4,275	4,324,342	258,553
SURFACE MINES:	3	.06	127		84	1.59	214	4.06	8,889	10,535,609	2,030,502
STRIP MINES:	-		3		2	2.21	5	5.52	181,248	181,248	490,372
AUGER MINES:	-		-		-		-	1.62	123,421	123,421	419,935
CULM BANK:	-		-		-		-		48,155	48,155	-
DREDGE:	-		-		-		-		10,888,473	10,888,473	2,940,813
TOTAL, SURFACE MINES:	3	.06	131		86	1.58	220	4.04	13,604	15,212,815	3,199,366
TOTAL, PRODUCTION MINING:	4	.05	226		128	1.68	358	4.71	3,972	3,954,412	-
PREPARATION PLANTS:	2	.10	111		42	2.12	155	7.84	23	4,355	-
INDEPENDENT SHOPS/YARDS:	-		1		3	137.77	4	183.70	3,995	3,958,767	-
TOTAL, OTHER OPERATIONS:	2	.10	112		45	2.27	159	8.03	17,599	19,171,582	3,199,366
TOTAL, ALL COAL:	6	.06	338		173	1.80	517	5.39			
OFFICEMEN:											
BITUMINOUS:	-		3		3		6		1,923	2,032,537	-
ANTHRACITE:	-		3		3	.30	6	.59	19,522	21,234,113	3,199,366
TOTAL, OFFICEMEN:	6	.06	341		176	1.65	523	4.93			
GRAND TOTAL:											

END

DATE FILMED

01 / 31 / 91