

3. End use (Shipments of direct-shipping ore, concentrate, and agglomerates, by end use. If data estimated, indicate by "E" after estimated figure.)

Please identify your REPORTING UNIT by placing an "X" in the appropriate box.

(1) Short tons (2) Long tons (3) Metric tons

End use (1)	Code	DIRECT SHIPPING ORE		CONCENTRATES <i>(specify)</i>		AGGLOMERATES	
		Shipments (2)	Total market value f.o.b. mine or plant (3)	Shipments (4)	Total market value f.o.b. mine or plant (5)	Shipments (6)	Total market value f.o.b. mine or plant (7)
For pig iron and steel.....	301		\$		\$		\$
For other use:							
Cement.....	302						
Heavy media.....	304						
Chemicals.....	305						
Fertilizers.....	306						
Other agricultural products.....	307						
Ballast.....	308						
Ferrites.....	309						
Fluxes.....	310						
Paint.....	311						
Pigments.....	312						
Pyrites.....	313						
Refractories.....	314						
Other <i>(specify)</i>							

TOTAL.....	319						

4. Average analysis of shipments of ore, concentrates, and agglomerates (wet basis).

Product (1)	Code	Fe % (2)	P % (3)	SiO ₂ % (4)	Mn % (5)	Al ₂ O ₃ % (6)	CaO % (7)	MgO % (8)	S % (9)	Moisture % (10)
Direct shipping ore <i>(specify)</i>	401									
Concentrates for consumer:										
Standard.....	402									
Filter cake.....	403									
Agglomerates (for consumer):										
Sinter.....	404									
Pellets, standard or acid:										
Grade 1.....	405									
Grade 2.....	406									
Pellets, self-fluxing:										
Grade 1.....	407									
Grade 2.....	408									
Pellets, prereduced:										
Grade 1.....	409									
Grade 2.....	410									
Olivine pellets.....	411									
Pellet chips.....	412									
Other <i>(specify)</i>										

Remarks:



A02

UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
986 NATIONAL CENTER
RESTON, VIRGINIA 20192

IRON ORE
(Containing less than 5 percent manganese)

INDIVIDUAL COMPANY DATA - PROPRIETARY

Unless authorization is granted in the section above the signature, the data furnished in this report will be treated in confidence by the Department of the Interior, except that they may be disclosed to Federal defense agencies, or to the Congress upon official request for appropriate purposes. Unless objection is made in writing to the USGS, the information furnished in this report may be disclosed to the respondent's State Geological Survey (or similar State agency) if the State has appropriate safeguards to prevent disclosing company proprietary data.

FACSIMILE NUMBER
1-800-543-0661

(Please correct if name or address has changed.)

Public reporting burden for this voluntary collection of information is estimated to average 30 MINUTES per response. A Federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Comments regarding this collection of information should be directed to: U.S. Geological Survey, Statistics and Information Systems Section, 988 National Center, Reston, VA 20192. **Please do not mail survey forms to this address.**

Collection of nonfuel minerals information is authorized by Public Law 96-479 and the Defense Production Act. This information is used to support executive policy decisions pertaining to emergency preparedness, national defense, and analyses for minerals legislation and industrial trends. The USGS relies on your voluntary and timely response to assure that its information is complete and accurate.

Please return this form in the enclosed envelope or fax to the above toll-free number **BY FEBRUARY 15TH**. Complete a separate form for each mineral establishment that was active during the reporting period. A mineral establishment is defined as a single physical location where mineral operations are conducted; for example, a mine only, a mine and preparation plant, or a preparation plant only. If you do not have exact data, please enter your best estimates and mark with an /e. Use zero (0) when appropriate. Do not report decimals or fractions. Round to the nearest whole number. If you have nothing to report, please complete "Establishment covered by this report", sign, and return the form. Please use the space for "Remarks" to provide any specific information that will help us in the use or interpretation of the data. Any statement on the effect of changes in economic conditions upon the reporting establishment will be useful. Additional forms are available upon request.

If you have any questions concerning completion of this form, please contact the Mineral Commodities Data Unit, U.S. Geological Survey, 985 National Center, Reston, VA 20192, Telephone (703) 648-7960.

NOTE: Submit a separate report for each mine and associated concentrator and agglomerator mill. Custom mills and agglomerators should not report mine production.

Establishment covered by this report

Name and location of mine

Name		Nearest city or town		
County	State	Section	Township	Range

Status during year *(Check appropriate boxes)*

(1) Active	(2) Inactive	From	To	(3) Abandoned	Date
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(4) Leased	(5) Sold	(6) Purchased	If transfer, occurred during year:	Date of change
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Name of other party in transfer	Address
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Is this establishment a subsidiary? Yes No If yes,

Name of controlling company	Address
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Name of person to be contacted regarding this report	Tel. area code	No.	Ext.
Address No.	Street	City	State ZIP Code

May tabulations be published which could indirectly reveal the data reported above?

Value data (1) Yes (2) No Other (including quantity) data (1) Yes (2) No

Signature	Title	Date
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OVER

1. Mining and concentration.

Please identify your **REPORTING UNIT** by placing an "X" in the appropriate box. If dry measurement is used for crude ore, indicate average moisture content.

(1) Short tons (2) Long tons (3) Metric tons (A) Natural weight (B) Dry weight _____ % Moisture

1.1 Dominant mineralogical type of ore mined (check one)

(1) Hematite (2) Magnetite (3) Limonite (4) Siderite (5) Other (specify) _____

1.2 **CRUDE ORE:** Stocks at mine site, production, and shipments (Total weight)

Product (1)	Code	Physical inventory adjustment (2)	Stocks at mine, beginning of year (3)	PRODUCTION DURING YEAR			Shipments during year (7)	Stocks at mine, end of year (8)
				Underground (4)	Open pit (5)	From tailings, dumps or placers (6)		
Direct-shipping ore ^{1/}	101							
Ore for concentration.....	102							
TOTAL	109							

^{1/} Include crushed, screened, and sized ore not further treated.

1.3 Name and location of concentrator (if not at mine site)

Name _____ Nearest town _____ County _____

1.4 Method of concentration (check all that apply)

(1) Wash (2) Magnetic (3) Classifiers (hydrocyclones, spirals, etc.) (4) Heavy media (5) Flotation (6) Other (specify) _____

1.5 **CRUDE ORE:** Stocks, receipts, and consumption. (at concentrator)

Product (1)	Code	Physical inventory adjustment (2)	Stocks at concentrator, beginning of year (3)	Receipts (4)	ORE PROCESSED DURING YEAR			Stocks at concentrator, end of year (8)
					Total weight (5)	IRON CONTENT IN TONS		
						Total (6)	Magnetic (7)	
Ore for concentration.....	111							

1.6 **CONCENTRATE:** Stocks, production, and shipments.

Concentrate (1)	Code	Physical inventory adjustment (2)	Stocks at mill, beginning of year (3)	Total weight (4)	PRODUCTION		Shipments during year (7)	Stocks at mill, end of year (8)
					IRON CONTENT IN TONS			
					Total (5)	Magnetic (6)		
For consumer: Standard.....	121							
Filter cake....	122							
For agglomeration.....	123							
TOTAL	129							

If dry measurement is used for concentrate, indicate average moisture content. (A) Natural weight (B) Dry weight _____ % Moisture

2. Agglomeration (Do not report agglomeration at blast furnace or steel plant).

Please identify your **REPORTING UNIT** by placing an "X" in the appropriate box. If dry measurement is used for agglomerates, indicate average moisture content.

(1) Short tons (2) Long tons (3) Metric tons (A) Natural weight (B) Dry weight _____ % Moisture

2.1 Name and location of agglomerator

Name _____ Nearest town _____ County _____

2.2 Stocks, receipts, and consumption of material

Material (1)	Code	Physical inventory adjustment (2)	Stocks at plant, beginning of year (3)	Receipts during year (4)	Consumption during year (5)	Stocks at plant, end of year (6)
Iron ore: Natural fines.....	201					
Concentrate fines.....	202					
Limestone and dolomite.....	203					
Organic binders.....	204					
Coal.....	205					
Bentonite.....	206					
Coke breeze.....	207					
Olivine.....	208					
Other (specify) _____						
TOTAL	219					

2.3 Stocks, production, and shipments of products

Product (1)	Code	Physical inventory adjustment (2)	Stocks at plant, beginning of year (3)	PRODUCTION DURING YEAR		Shipments during year (6)	Stocks at plant, end of year (7)
				Total weight (4)	Iron content in tons (5)		
Sinter.....	221						
Pellets, standard or acid Grade 1.....	222						
Grade 2.....	223						
Pellets, self-fluxing Grade 1.....	224						
Grade 2.....	225						
Pellets, prereduced Grade 1.....	226						
Grade 2.....	227						
Olivine pellets.....	228						
Pellet chips.....	229						
Other (specify) _____							
TOTAL	239						

OVER