

2016 Minerals Yearbook

MACEDONIA

THE MINERAL INDUSTRY OF MACEDONIA

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In 2016, the production of mineral commodities—notably cement, iron and steel, and lignite—represented only a minor part of the economy of Macedonia (Republic of Macedonia State Statistical Office, 2017). The legislative framework for the mineral sector in Macedonia is provided by laws that deal with mineral resources (law Nos. 136/12, 25/13, 93/13, 44/14, and 160/14) and energy (law Nos. 16/11, 136/11, 79/13, 164/13, 41/14, 151/14, and 33/15). Data on mineral production are in table 1. Table 2 is a list of major mineral industry facilities. More-extensive coverage of the mineral industry of Macedonia can be found in previous editions of

the U.S. Geological Survey Minerals Yearbook, volume III, Area Reports—International—Europe and Central Eurasia, which are available at <https://www.usgs.gov/centers/nmic/europe-and-central-eurasia>.

Reference Cited

Republic of Macedonia State Statistical Office, 2017, Basic structural business indicators, by NKD Rev 2: Republic of Macedonia State Statistical Office. (Accessed June 9, 2017, at http://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_StruktumiStat/225_StrDel_Mk_03byactivity_en.px/?rxid=2e515d94-c78e-47ce-aaa6-f568cdb51d86.)

TABLE 1
MACEDONIA: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2012	2013	2014	2015	2016
METALS					
Copper, Cu content:					
Mine production, concentrate	9,100	9,300	7,800	8,500	8,700
Leaching, electrowon	1,100 ^r	1,900 ^r	1,700 ^r	2,400	1,300
Ferrosilicon	42,402	72,279	73,014	45,698	24,431
Iron and steel, rolled steel	225,224	145,633	196,454	165,235	239,164
Lead, mine production, Pb content	29,653	32,409	33,154	28,698	23,487
Nickel:					
Mine production, Ni content, laterite ore	1,680 ^e	NA	NA	--	--
Ferronickel:					
Gross weight	83,700	87,000	78,500 ^e	77,000 ^e	48,195
Ni content	19,247 ^r	20,001 ^r	18,054	17,699	10,603
Silicomanganese	14,179	--	--	--	--
Zinc, mine production, Zn content	28,037	30,907	31,570	29,150	24,871
INDUSTRIAL MINERALS					
Cement, hydraulic	644,852 ^r	729,672 ^r	660,035 ^r	671,542 ^r	855,295
Clay and shale, bentonite	2,355	18,520	11,691	9,004	1,968
Feldspar, mine production	17,168	15,168	18,076	20,289	19,919
Lime	--	381	10,836	8,003	8,684
Pumice and related materials, volcanic tuff	52,911	67,663	65,504	70,148	76,796
Talc	286	621	483	598	715
MINERAL FUELS AND RELATED MATERIALS					
Coal, lignite	7,310	6,634	6,470	5,928	5,102
thousand metric tons					
Petroleum, refinery production:					
Distillate fuel oil	434 ^r	141 ^r	2 ^r	--	--
Gasoline	389 ^r	123 ^r	1 ^r	--	--
Kerosene	134 ^r	37 ^r	--	--	--
Liquefied petroleum gas	114 ^r	33 ^r	--	--	--
Residential fuel oil	107 ^r	48 ^r	1 ^r	--	--
Other	640 ^r	138 ^r	--	--	--
Total	1,800 ^r	520 ^r	4 ^r	--	--
thousand 42-gallon barrels					

^eEstimated. ^rRevised. do. Ditto. NA Not available. -- Zero.

¹Table includes data available through November 29, 2017. All data are reported unless otherwise noted. Totals and estimated data are rounded to no more than three significant digits; may not add to totals shown.

²In addition to the commodities listed, secondary aluminum in small amounts, common clay, diatomite, ferromanganese, gold and silver contained in copper concentrate, lead-zinc ore and concentrate, and marble may have been produced in Macedonia, but available information was inadequate to make reliable estimates of output.

TABLE 2
MACEDONIA: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(Thousand metric tons unless otherwise specified)

Commodity	Major operating companies and major equity owners	Location of main facilities	Annual capacity
Aluminum, secondary	J.S.A. Teal Co.	Tetovo City	2,000
Do.	RZ Insitute (Mines and Ironworks Institute AD)	Skopje	2,000
Cement	Cementarnica USJE AD (Titan Cement Co. S.A., 100%)	Plant at Skopje	2,100 ^c
Copper, gold and silver:			
Ore	Solway Investment Group Ltd.	Mine and mill at Buchim, west of Radovis	4,500
Metal Copper concentrate	do.	Solvent extraction and electrowinning plant at Buchim, west of Radovis	40
Feldspar	AD Nemetali Ograzden	Strumica	20
Ferroalloys:			
Ferrosilicon	Jugohrom Ferroalloys DOO (Camelot Group)	Plant at Jegunovce	66
Silicomanganese	Skopski Leguri DOOEL	Plant at Skopje	56
Ferromanganese	do.	do.	66
Ferronickel, Ni content	FENI Industries A.D. (Cunico Resources NV)	Ferronickel plant at Kavadarci	22
Lead-zinc:			
Concentrate	Lynx Resources Ltd.	Mill at Sasa, north of Makedonska Kamenica	750
Ore	do.	Sasa Mine, northern Makedonska Kamenica	780
Do.	Minstroy Holding JSC	Zletovo Mine near Probistip	26
Do.	do.	Toranica Mina near Kriva Palanka	NA
Lignite	AD Elektrani na Makedonija (AD ELEM) (state owned)	Mine at Suvodol	6,500
Do.	do.	Mine at Oslomej	1,200
Do.	do.	Star Rudnik Mine at Oslomej	310 ^c
Do.	do.	Brod-Gneotino Mine, south of Suvodol, near Brod	2,000
Do.	BRIK Berovo and Drimkol (Concessionaires)	Surface mines near Berovo and Globochica reservoir	140
Limestone	AD Nemetali Ograzden	Strumica	NA
Marble	Mermeren Kombinat AD	Prilep	NA
Do.	Fox Marble Holdings plc	do.	NA
Petroleum, refined	OKTA AD Skopje (EL.P.ET Balkani S.A., 81.51%; Puko Petrol, 10.87%; company employees, 7.62%)	Oil refinery at Skopje	2,500
Steel:			
Crude, secondary	Makstil A.D. Skopje (Duferco Skop Investment Ltd., 81.78%, and others, 18.22%)	Plant at Skopje	360
Semimanufactured	do.	do.	750 ^c
Do.	ArcelorMittal Skopje AD (ArcelorMittal)	do.	1,000

^cEstimated. Do., do. Ditto. NA Not available.