



**INTERNATIONAL  
NICKEL STUDY GROUP**

**WORLD NICKEL  
STATISTICS**

Monthly Bulletin

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## THE INTERNATIONAL NICKEL STUDY GROUP

### Introduction

The International Nickel Study Group (INSG) is an autonomous, intergovernmental organization established in 1990. Membership comprises nickel producing, consuming and trading countries. The INSG has no provision for market stabilization activities or market intervention of any kind. It has no formal connections with any other international organizations, whether intergovernmental or private sector.

### Objectives

The objectives of the Group are:

- to collect and publish improved statistics on nickel markets (including production, usage (consumption), trade, stocks, prices and other statistics such as recycling);
- to publish other information on nickel, such as data on industry facilities and environmental regulations;
- to provide a forum for discussions on nickel issues of interest to nickel producing and consuming countries and their industries, including environmental issues;
- to undertake economic analysis of nickel markets and related topics.

### Members

The following are members of the INSG:

Australia	Brazil	Cuba	European Union
Finland	France	Germany	Greece
Italy	Japan	Norway	Portugal
Russian Federation	Sweden	United Kingdom	

Members together account for over sixty percent of world nickel mine production, seventy five percent of world primary nickel trade and well over half of nickel usage. The Group is very interested in broadening its membership to include all other countries with an interest in nickel production, usage (consumption) or trade so as to be fully representative of the international nickel economy.

### Products

The INSG initially concentrated on statistics, including the production of a monthly bulletin on world nickel statistics. It also publishes a world directory of nickel production facilities (for INSG publications see inner back cover).

Other outputs, which generally are available to members only, include:

- a semi-annual, short-term forecast of nickel production, usage (consumption) and the market balance;
- the development of a data base on nickel;
- an annual review of new developments in nickel mining, smelting and refining as well as closures.
- an annual compilation of existing or proposed regulations regarding environmental, health and safety concerning nickel.

All enquiries relating to this bulletin should be addressed to Mr. S. Pinizzotto, Director of Market Research and Statistics.

# **WORLD NICKEL STATISTICS**

Monthly Bulletin

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## NOTES TO READERS

- Commencing with the October 2007 issue, INSG has made some estimates for primary nickel stocks.
- Commencing with the January 2006 issue, the division between former Eastern and Western countries in the Summary pages has been deleted.
- Commencing with the May 2003 issue, Brazil has been included in the scrap statistics section.
- Commencing with the May 2003 issue, WBMS Producers' Stocks on page 12 have been replaced with INSG Survey of Western World Producers'.
- Commencing with the January 2001 issue, the section of Crude Stainless Steel has been enlarged to also include country information for EU and also monthly production data for each country in EU, Japan and USA. Further China P.R., Estonia, Hong Kong, Latvia and Lithuania trade data have been included in the SCRAP STATISTICS.
- Due to a change in statistical collection procedures in 1997, data reported by the Netherlands now include some transit trade. The reader should be aware that from 1997 these data are not comparable with prior years and is referred to Transit Trade Tables in the Bulletin.
- Commencing with the January 1998 issue, stainless steel and nickel scrap statistics have been included in the Monthly Bulletin. Although key scrap data will be updated monthly, country specific data may vary in each month's issue.
- Commencing with the September 1997 issue, more detailed ferro-nickel export data have been supplied by nickel producers and are being published. Additionally, conversion rates applying to Class II nickel products which are used to calculate the nickel content of imports for determining a country's apparent nickel usage (consumption) will be adjusted quarterly, but will be published with one year delay.
- Commencing with the June, 1997 issue the Monthly Bulletin includes a new table entitled "INSG Survey of World Producers' Nickel Stocks" based on a survey conducted by the INSG. The table contains data detailing nickel stocks held by the world nickel producers and is updated monthly.
- In the summary tables (pp 3-12) the "West" comprises market-economy countries while the "East" includes command-economy (or former command-economy) countries. The distinction between "West" and "East" remains necessary owing to a continued lack of statistics for the "East".
- Blanks shown in tables refer to periods for which data have not been submitted.
- All figures are expressed in nickel content unless stated otherwise.
- In the tables on pp 3-20 figures in bold denote actual data; those in italics denote estimates.
- Tables on nickel trade with total tonnages less than 300t/y are not included in the Bulletin.
- Exports and imports of nickel oxide sinter may include other intermediate products of nickel metallurgy (excluding matte).
- For certain countries usage (consumption) figures are released on an annual basis only.
- Stocks are at the end of period stated.
- Monthly, quarterly and yearly totals may differ from sum of figures because of rounding.
- Cumulative and yearly aggregates may differ from sum of monthly or quarterly figures because of rounding and/or revisions.
- Adjustments are included in certain tables. These are due to differences between reported totals and calculated totals of reported figures.

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## DEFINITIONS AND EXPLANATORY NOTES

### PRODUCTION

#### Mine products

Nickel content reported for laterite based production equals the amount of nickel contained in ores mined. Nickel content reported for sulphide based production equals the amount of nickel contained in concentrate production.

#### Intermediate products

Nickel content reported equals the amount of nickel contained in matte, mixed sulphide concentrates (containing more than 35 per cent combined nickel and cobalt), and other intermediate products of nickel metallurgy, including salts and oxides for further refining.

#### Primary nickel products

Nickel contained in products of smelters and refineries in a form which is ready for use by consumers; this includes:

**Refined nickel (class I)** - products with a nickel content of 99% or more:

- Electrolytic nickel
- Pellets
- Briquettes
- Granules
- Rondelles
- Powder/Flakes

**Charge nickel (class II)** - products with a nickel content of less than 99%:

- Ferro-nickel
- Nickel oxide sinter
- Utility (Japan, Korea, Rep., Taiwan, China)
- Nickel pig iron (China)

#### Chemicals

- Chemical nickel oxide
- Nickel sulphate
- Nickel chloride
- Nickel carbonate
- Nickel acetate
- Nickel hydroxide
- Other salts and chemicals

### USAGE (CONSUMPTION)

Nickel contained in smelter/refinery nickel products used by consumers for the manufacture of products in each of the categories shown below.

**Stainless steels**, other than castings, containing by weight 1.2% or less of carbon and 10.5% or more of chromium, with or without other elements.

**Other alloy steels**, (excluding castings).

**Steel castings, alloyed** (including cast iron).

**Non-ferrous products** (including castings): products of pure nickel (98-100% Ni), nickel base alloys (50-97% Ni), iron-nickel (-chrome) alloys (30-49% Ni), copper base alloys (1-49% Ni) and clad materials.

**Plating:** nickel metal used for plating (N.B. nickel used to manufacture chemicals and nickel chemicals used for plating should be included under "Other uses").

**Other uses:** catalysts, batteries and chemicals.

### TRADE

Quantities of nickel products exported or imported during the period stated. Wherever possible, trade item descriptions are followed by the corresponding code numbers of the Harmonized System (HS). Nickel trade statistics refer to:

- Ores and concentrates (26.04.00)
- Ferro-nickel (72.02.60)
- Waste and scrap of stainless steel (72.04.21)
  - 72.04.21.10 - nickel content 8% or greater,
  - 72.04.21.90 - nickel content less than 8%,
- Nickel matte (75.01.10)
- Nickel oxide sinter and other intermediate products of nickel metallurgy, excluding matte (75.01.20)
- Unwrought nickel, not alloyed (75.02.10)
- Nickel waste and scrap (75.03.00)
- Nickel powder and flakes (75.04.00)

It should be noted that HS 75.01.20 includes intermediate nickel products requiring further processing and not just finished nickel oxide suitable for direct use by consumers.

### STOCKS

Nickel contained in primary nickel products held by nickel producers (and their agents), consumers, commodity exchanges (such as the LME), traders and in government stockpiles. LME stocks are held at various locations in warehouses approved by the LME. Strategic stocks are known to be held in Japan and Russian Federation.

### PRICES

#### LME Prices

The London Metal Exchange (LME) acts as a barometer of nickel supply/demand world-wide. Trading on the LME takes place in two daily sessions (morning and afternoon). The two sessions are each broken down into two rings made up of five minutes trading in each contract (cash and 3-months). The official prices for the day are assessed after the second ring of the morning session by a "quotation committee" in light of the dealings and prices quoted during the day's morning session. LME official nickel prices are used as benchmark prices by the

international trade.

Nickel on the LME is primary nickel of minimum 99.8% purity, in specified forms of cathode, pellets or briquettes. It is traded in lots of 6 tonnes each. All sales due for delivery are backed by warehouse warrants.

**Cash:** the price paid - expressed in US\$ per tonne - for primary nickel, the warrants of which are delivered immediately (the next market day).

**Settlement:** expressed in US\$ per tonne, is equivalent to the seller's cash price.

**3-months:** the price paid - expressed in US\$ per tonne - for primary nickel, the warrants of which are to be delivered in three months time.

Tables reporting LME prices include LME price equivalents in US\$/lb.

### LME turnover

This is the turnover as released daily by the LME. The official LME turnover includes futures as well as options and reflects trading between all Clearing Members from cash to 27 months and takes into the reckoning client cross-trade.

## GENERAL NOTES

Statistics on mine production and on trade in nickel mine products are normally given in terms of nickel content (exceptions are noted in footnotes). Production and usage (consumption) figures are actual or estimated. Actual figures are generally as reported by government agencies while estimated figures are usually as calculated by the Secretariat. Stocks of refined nickel are as of end of period shown and normally exclude recycled (secondary) nickel. The monthly and annual average prices of the LME nickel market shown in the Bulletin are calculated by the Secretariat based on the number of market days and checked against the averages published

by the Metal Bulletin. Prices are not weighted according to volumes traded.

**World total** refers to all countries (whenever figures are available).

**Blanks** indicate that figures or comparable figures are not to hand.

**Footnotes** are under "Notes to table" below individual tables.

**Quantities** are expressed in **tonnes** (metric tons):

1 tonne (metric ton) = 1000 kg. = 2204.622 lb.

1 lb. = 0.4536 kg.

## SYMBOLS

In the tables on pp 5-20 of this issue **bold** figures denote actual data and those in *italics* estimates.

The following symbols are used throughout:

*	an asterisk is used to draw the attention of the reader to apparent anomalies	0 or 0.0	less than half the unit employed
	break in series	mc	market closed
-	nil	p	preliminary or provisional
..	not available or not available separately	r	revised
		* *	increase above 300 %.

## ACKNOWLEDGMENTS

Compilation of the Monthly Bulletin on nickel is made possible thanks to the co-operation of Member and non-member governments, international bodies, trade associations, market and research organizations and specialist commodity institutions.

London Metal Exchange (LME) – United Kingdom  
Minerals Bureau – Republic of South Africa  
MMC Norilsk Nickel – Russian Federation  
Natural Resources Canada – Canada  
Unidad de Planeación Minero Energética – Colombia  
US Geological Survey – United States

The INSG gratefully acknowledges the assistance of:

Assomet – Italy  
Central Statistics Office – Botswana  
Vale S.A. – Brazil / Canada  
Information Center of China National Non-ferrous Metals Industry; Antaike Information Co. Ltd - China,P.R.  
Eurofer – Belgium  
Eramet – France  
GMM LARCO SA – Greece  
Japan Mining Industry Association – Japan

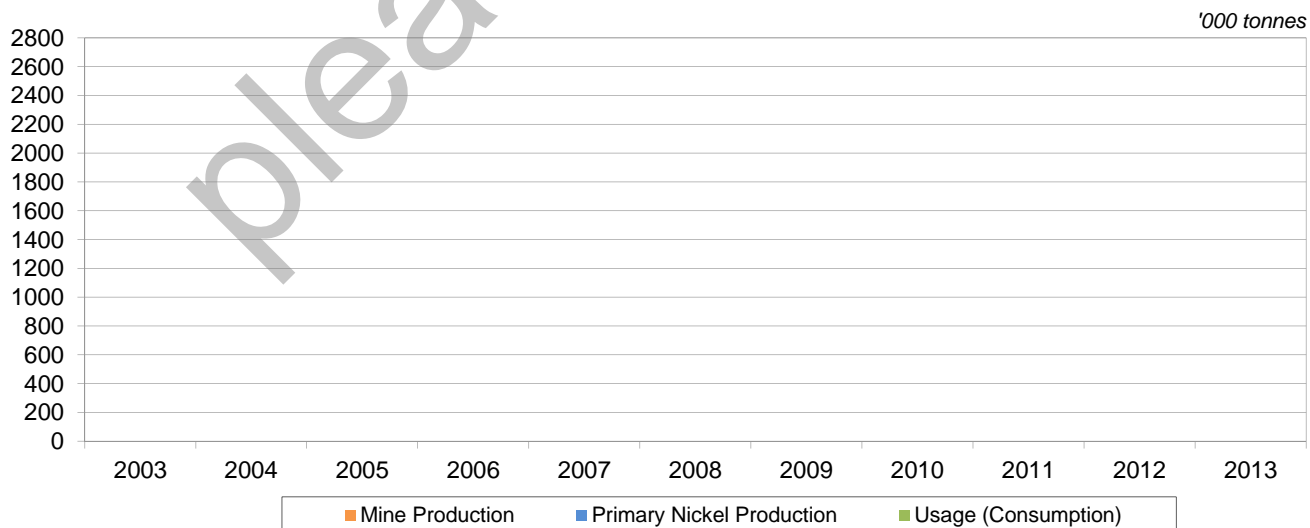


## SUMMARY PRODUCTION / USAGE (CONSUMPTION) / STOCKS / PRICES

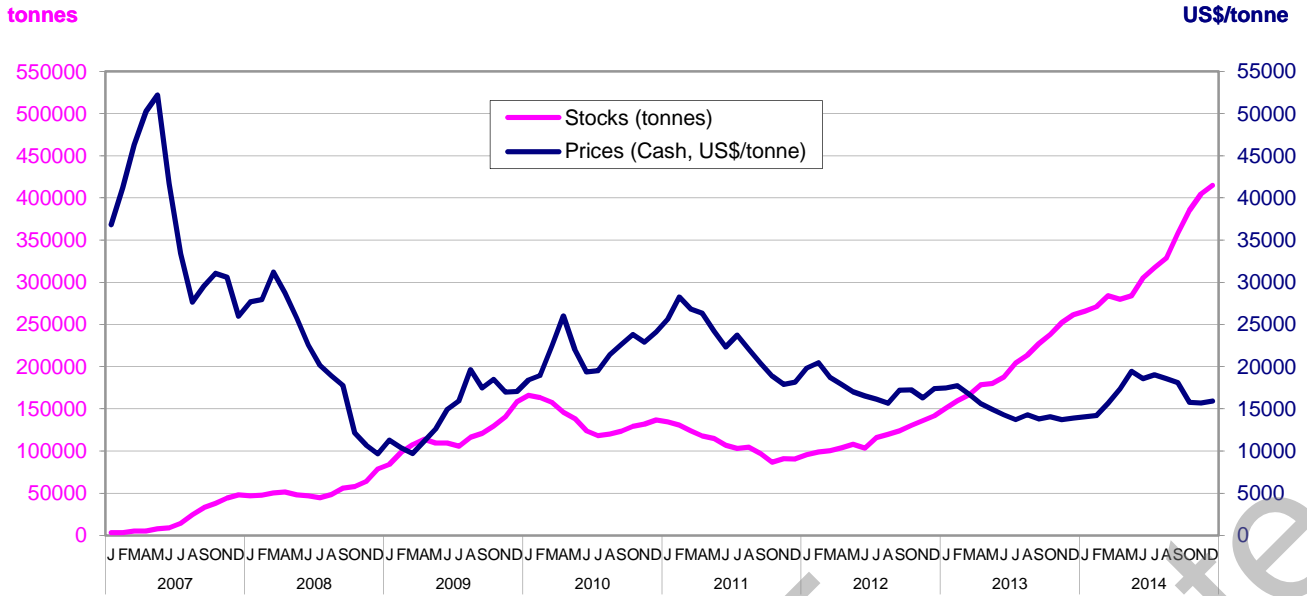
Year	WORLD				LME			
	Nickel mine production '000 tonnes	Production of primary nickel '000 tonnes	Nickel Usage (Consumption) '000 tonnes	Nickel stocks with producers '000 tonnes	Nickel stocks '000 tonnes	Nickel Price		3-months US\$/tonne
						Settlement US\$/tonne	Defl.	
2003								
2004								
2005								
2006								
2007								
2008								
2009								
2010								
2011								
2012								
2013								
2012								
D								
2013								
J								
F								
M								
A								
M								
J								
J								
A								
S								
O								
N								
D								
2014								
J								
F								
M								
A								
M								
J								
J								
A								
S								
O								
N								
D								

- Notes to table:
- a) Monthly figures for production and usage (consumption) may not add up to annual total because of revisions and rounding.
  - b) Stocks at end of period. Stocks with producers include mainly class I and class II nickel. Some producers' stocks may be included in LME stocks as well.  
**Source Producers' Stocks: International Nickel Study Group.**
  - c) Deflated settlement price in constant 2012 US\$/tonne, calculated using US GDP deflator.
  - d) Break in series: World stocks in April 2007, due to stock transfer from Xstrata to Glencore.

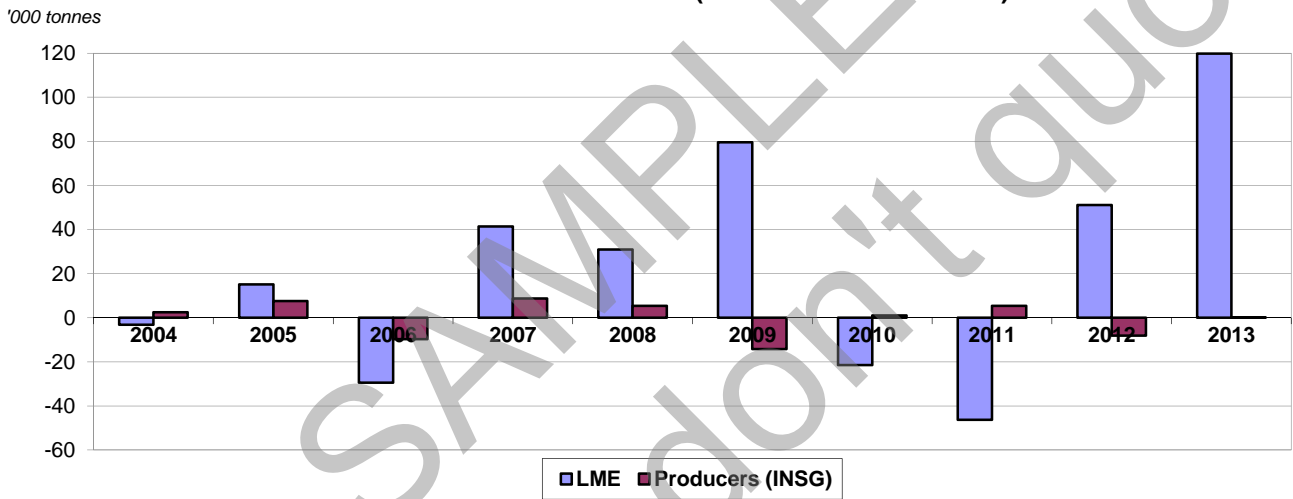
## WORLD NICKEL PRODUCTION AND USAGE (CONSUMPTION)



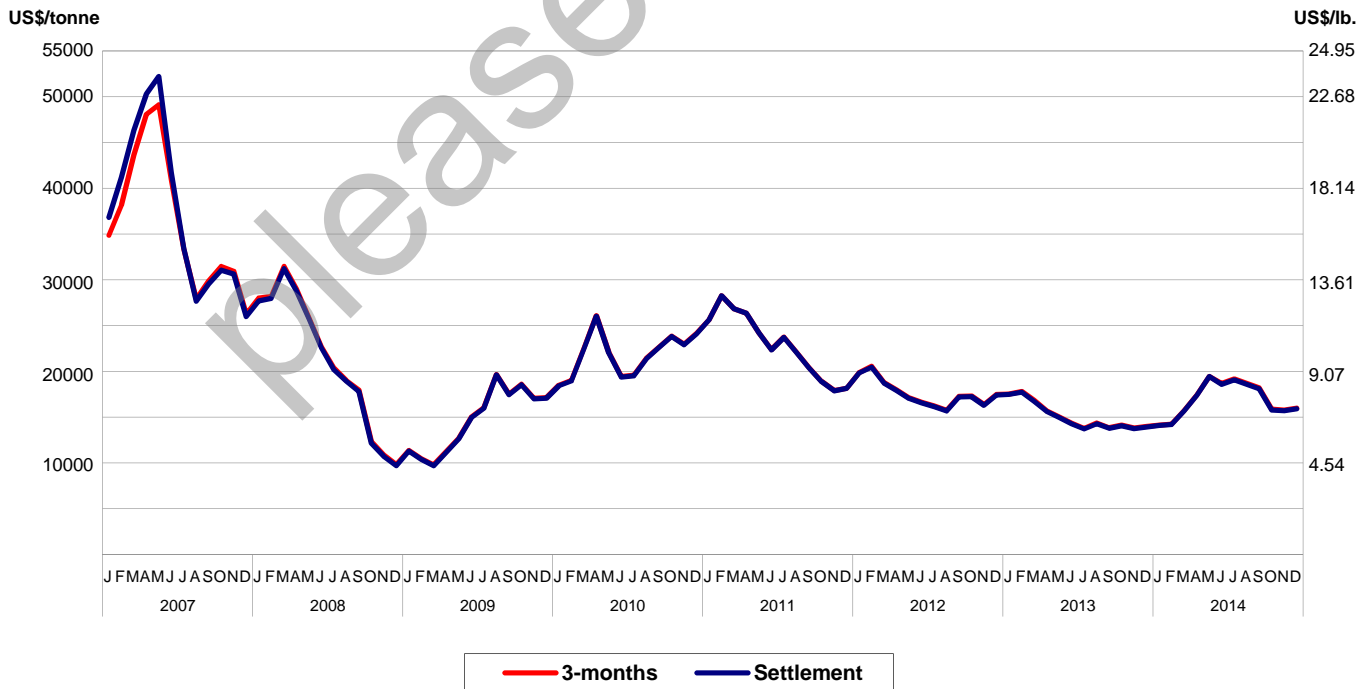
**LME NICKEL - END-MONTH STOCKS AND AVERAGE PRICES**



**NICKEL STOCK CHANGES (PRODUCERS AND LME)**



**LME NICKEL PRICE - MONTHLY AVERAGES**



SUMMARY	NICKEL MINE PRODUCTION								'000 tonnes						
	2009	2010	2011	2012	2013	2013	2014	Perc. Change	2012		2013				
	Year	Year	Year	Year	Year	1-11	1-11		N	D	J	F	M	A	M
<b>Africa</b>															
Botswana															
Madagascar															
South Africa															
Zambia															
Zimbabwe															
<b>America</b>															
Brazil															
Canada															
Colombia															
Cuba															
Dominican Rep.															
Guatemala															
United States															
Venezuela															
<b>Asia</b>															
China, P.R.															
Indonesia															
Kazakhstan															
Myanmar (Burma)															
Philippines															
Turkey															
Vietnam															
<b>Europe</b>															
EU27															
Finland															
Greece															
Spain															
Albania															
FYROM															
Norway															
Serbia															
Russian Fed.															
Ukraine															
<b>Oceania</b>															
Australia															
New Cal. (France)															
Papua New Guinea															
<b>WORLD</b>															

Notes to table: For the Dominican Republic figures refer to nickel content of ferro-nickel.

SUMMARY	PRODUCTION OF INTERMEDIATE PRODUCTS								'000 tonnes						
	2009	2010	2011	2012	2013	2013	2014	Perc. Change	2012		2013				
	Year	Year	Year	Year	Year	1-11	1-11		N	D	J	F	M	A	M
Botswana															
Brazil															
Cuba															
Finland															
Indonesia															
Australia															
New Cal. (France)															
Papua New Guinea															
Philippines															
<b>WORLD</b>															

Notes to table: a) For definition of intermediate products see page iii.  
b) Figures refer to material normally exported to other countries for further processing.

000 tonnes

2013							2014											
J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	
																		<b>Africa</b>
																		Botswana Madagascar South Africa Zambia Zimbabwe
																		<b>America</b>
																		Brazil Canada Colombia Cuba Dominican Rep. Guatemala United States Venezuela
																		<b>Asia</b>
																		China, P.R. Indonesia Kazakhstan Myanmar (Burma) Philippines Turkey Vietnam
																		<b>Europe</b>
																		EU27 Finland Greece Spain Albania FYROM Norway Serbia Russian Fed. Ukraine
																		<b>Oceania</b>
																		Australia New Cal. (France) Papua New Guinea
																		<b>WORLD</b>

000 tonnes

2013							2014											
J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	
																		Botswana Brazil Cuba Finland Indonesia Australia New Cal. (France) Papua New Guinea Philippines

SUMMARY	PRODUCTION OF PRIMARY NICKEL								'000 tonnes								
	2009	2010	2011	2012	2013	2013	2014	Perc. Change	2012		2013						
	Year	Year	Year	Year	Year	1-11	1-11		N	D	J	F	M	A	M		
<b>Africa</b>																	
Madagascar																	
South Africa																	
Zimbabwe																	
<b>America</b>																	
Brazil																	
Canada																	
Colombia																	
Cuba																	
Dominican Rep.																	
United States																	
Venezuela																	
<b>Asia</b>																	
China, P.R.																	
Indonesia																	
Japan																	
Korea, Rep.																	
Myanmar (Burma)																	
<b>Europe</b>																	
EU27																	
Austria																	
Finland																	
France																	
Greece																	
United Kingdom																	
FYROM																	
Norway																	
Russian Fed.																	
Serbia																	
Ukraine																	
<b>Oceania</b>																	
Australia																	
New Cal. (France)																	
<b>WORLD</b>																	

**Notes to table:**

- a) Production normally includes nickel in chemicals.
- b) South Africa's figures include the nickel content of nickel sulphate exported for refining to metal in 2004.
- c) Australia and Canada include production of nickel oxide destined for Korea, Rep. and Taiwan, China, for further processing.
- d) Japanese figures include nickel salts.
- e) Chinese production for December 2012 is under investigation.
- f) Ukraine 2013 is under investigation.

000 tonnes

2013												2014												
J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N							
																		<b>Africa</b>						
																		Madagascar South Africa Zimbabwe						
																		<b>America</b>						
																		Brazil Canada Colombia Cuba Dominican Rep. United States Venezuela						
																		<b>Asia</b>						
																		China, P.R. Indonesia Japan Korea, Rep. Myanmar (Burma)						
																		<b>Europe</b>						
																		EU27 Austria Finland France Greece United Kingdom FYROM Norway Russian Fed. Serbia Ukraine						
																		<b>Oceania</b>						
																		Australia New Cal. (France)						
																		<b>WORLD</b>						

SUMMARY	NICKEL USAGE (CONSUMPTION)								'000 tonnes						
	2009	2010	2011	2012	2013	2013	2014	Perc. Change	2012		2013				
	Year	Year	Year	Year	Year	1-11	1-11		N	D	J	F	M	A	M
<b>Africa</b>															
South Africa															
Other Africa															
<b>America</b>															
Brazil															
Canada															
Cuba															
Mexico															
United States															
Other America															
<b>Asia</b>															
China, P.R.															
Hong Kong															
India															
Japan															
Korea, Rep.															
Korea P.R.															
Taiwan, China															
Thailand															
Turkey															
Other Asia															
<b>Europe</b>															
EU27															
Austria															
Belgium															
Bulgaria															
Czech Rep.															
Finland															
France															
Germany															
Hungary															
Italy															
Poland															
Romania															
Slovenia															
Spain															
Sweden															
United Kingdom															
Other EU															
Norway															
Russian Fed.															
Switzerland															
Ukraine															
<b>Oceania</b>															
Australia															
New Zealand															
<b>WORLD</b>															

Notes to table: For the United States monthly figures adjusted.

INSG SURVEY OF WORLD PRODUCERS' STOCKS											'000 tonnes					
	2006	2007	2008	2009	2010	2011	2012	2013	2012		2013					
	D	D	D	D	D	D	D	D	N	D	J	F	M	A	M	
Class I																
Class II																
<b>Total</b>																

- Notes to table:
- Some stock figures are estimated by INSG.
  - Not included in this schedule are stocks of producers in the following countries: China, Austria, Serbia, Former Yugoslavian Republic of Macedonia and the Ural area of Russia.
  - Norilsk Nickel ceased reporting their stocks after July 1, 1996. It is expected that they will recommence reporting stocks sometime in the future. In the interim, estimates have been made pending the receipt of actual data.
  - Break in series in April 2007 due to stock transfer from Xstrata to Glencore.

000 tonnes

2013							2014											
J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	
																		<b>Africa</b>
																		South Africa Other Africa
																		<b>America</b>
																		Brazil Canada Cuba Mexico United States Other America
																		<b>Asia</b>
																		China, P.R. Hong Kong India Japan Korea, Rep. Korea P.R. Taiwan, China Thailand Turkey Other Asia
																		<b>Europe</b>
																		EU27
																		Austria Belgium Bulgaria Czech. (former) Finland France Germany Hungary Italy Poland Romania Slovenia Spain Sweden United Kingdom Other EU
																		Norway Russian Fed. Switzerland Ukraine
																		<b>Oceania</b>
																		Australia New Zealand
																		<b>WORLD</b>

000 tonnes

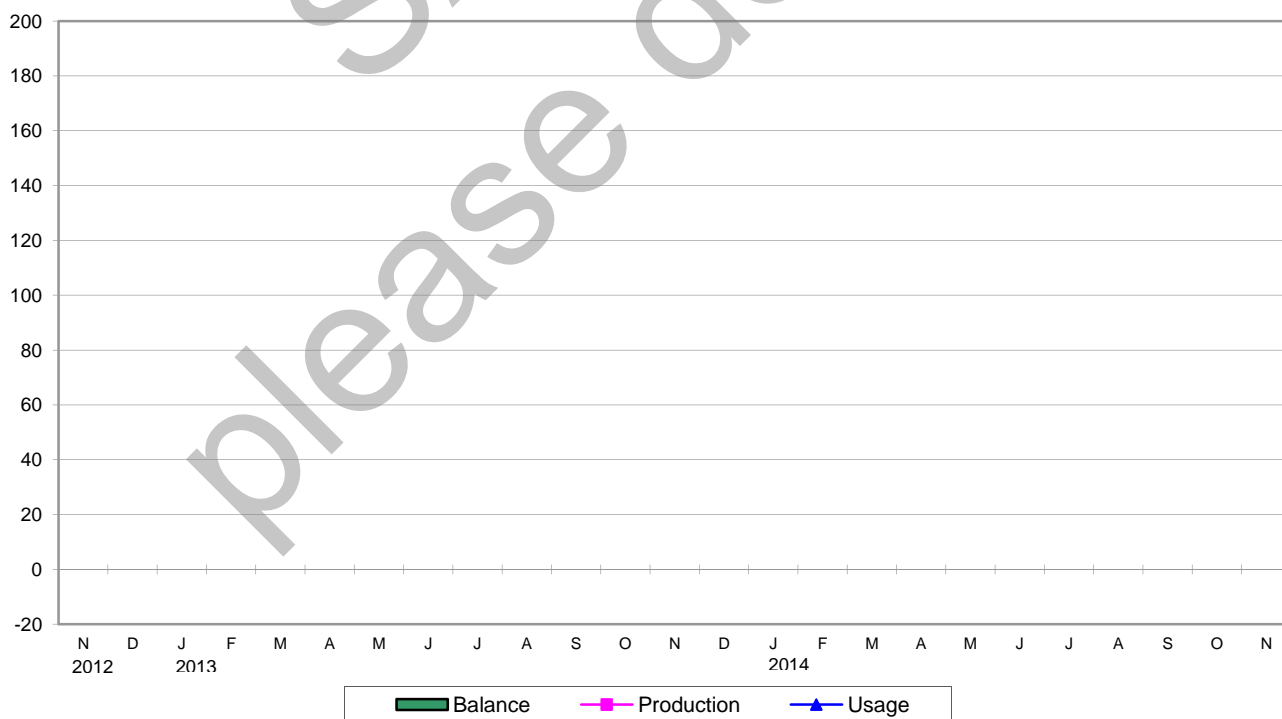
2013							2014											
J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	
																		Class I
																		Class II
																		<b>Total</b>



SUMMARY		WORLD MINE PRODUCTION, NICKEL PRODUCTION AND NICKEL USAGE (CONSUMPTION) '000 tonnes														
		2009	2010	2011	2012	2013	2013	2014	Perc.	2012		2013				
		Year	Year	Year	Year	Year	1-11	1-11	Change	N	D	J	F	M	A	M
<b>Africa</b>	Mine															
	Prod															
	Usag															
	<b>Bal</b>															
<b>America</b>	Mine															
	Prod															
	Usag															
	<b>Bal</b>															
<b>Asia</b>	Mine															
	Prod															
	Usag															
	<b>Bal</b>															
<b>Europe</b>	Mine															
	Prod															
	Usag															
	<b>Bal</b>															
<b>EU 27</b>	Mine															
	Prod															
	Usag															
	<b>Bal</b>															
<b>Oceania</b>	Mine															
	Prod															
	Usag															
	<b>Bal</b>															
<b>WORLD</b>	Mine															
	Inter.															
	Prod															
	<b>Bal</b>															

WORLD BALANCE OF PRIMARY NICKEL

'000 tonnes



3 000 tonnes

2013												2014												
J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N							
																		<b>Africa</b> Mine Prod Usag <b>Bal</b>						
																		<b>America</b> Mine Prod Usag <b>Bal</b>						
																		<b>Asia</b> Mine Prod Usag <b>Bal</b>						
																		<b>Europe</b> Mine Prod Usag <b>Bal</b>						
																		<b>EU 27</b> Mine Prod Usag <b>Bal</b>						
																		<b>Oceania</b> Mine Prod Usag <b>Bal</b>						
																		<b>WORLD</b> Mine Inter.  Prod Usag <b>Bal</b>						

**SUMMARY NICKEL STOCKS**

'000 tonnes

	2008	2009	2010	2011	2012	2013	2014												
	D	D	D	D	D	D	J	F	M	A	M	J	J	A	S	O	N	D	
<b>WEST</b>																			
<b>With producers (INSG)</b>																			
Refined (class I)																			
Charge (class II)																			
<b>Total</b>																			
<b>With consumers</b>																			
Refined (class I)																			
Germany																			
Japan																			
Sweden																			
United States																			
Charge (class II)																			
Germany																			
Japan																			
United States																			
<b>LME</b>																			
<b>USA Defense National Stockpile</b>																			

- Notes to table:**
- Stocks of class I nickel with producers include electrolytic nickel, nickel pellets, briquettes, steel making powder and the nickel content of salts and chemical grade nickel oxide; stocks of class II nickel include the nickel content of ferro-nickel and nickel oxide sinter.  
**Source: INSG**
  - Stocks with consumers refer to countries accounting for approximately 60 % of western world nickel usage (consumption). Germany and Sweden provide stocks at end of quarter only. Figures for Sweden are reported as stocks of nickel (class I and II). Figures for the United States refer to class I and class II nickel plus the nickel content of salts.
  - Break in series in April 2007 due to stock transfer from Xstrata to Glencore.

**LME STOCKS BY LOCATION (MONTH-END REPORT)**

tonnes

Location	2008	2009	2010	2011	2012	2013	2014												
	D	D	D	D	D	D	J	F	M	A	M	J	J	A	S	O	N	D	
<b>Belgium</b>																			
Antwerp	324	312			3408	17328	16008	15438	12870	1416	1398	1662	1662	1662	1662	1662	1662	1662	1662
<b>Germany</b>																			
Bremen																			
Hamburg	1104	1104	1104	1026	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348
<b>Italy</b>																			
Genoa				18	42	24	24	24	24	24	24	24	24						
Leghorn		786																	
Trieste		48																	
<b>Korea, Rep.</b>																			
Busan	18	5982	5148	1836	5682	8928	8820	8568	8892	9240	9030	8874	9012	9000	8946	8928	8916	8886	
Gwangyang		1518	4152	516	516	516	516	516	516	516	540	5586	6870	8940	8940	8940	8940	8940	
Incheon					90	132	132	132	132	132	132	132	132	132	132	132	132	132	132
<b>Malaysia</b>																			
Johor					32430	114060	119922	126276	128172	137292	143058	149886	156930	164928	182100	197034	201984	203316	
Port Klang																			
<b>Netherlands</b>																			
Moerdijk															750	750	750	750	
Rotterdam	59016	113484	104694	67788	68718	86850	88224	88314	96786	100806	102714	108036	107100	108624	117306	126270	128922	135276	
Vlissingen		72			9618	5604	4320	3360	2652	1602	1554	1500	1500	1500	1848	1848	1800	1776	
<b>Singapore</b>																			
Singapore	1998	20364	8868	7200	7602	7656	7632	8310	13884	9462	7764	17232	18360	18816	19344	20820	29814	31596	
<b>Spain</b>																			
Bilbao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Sweden</b>																			
Gothenburg	1842	1740	1356																
Helsingborg	4242	4104	3888	4992	2802	2802	2802	2352	2352	2352	2352	2352	2352	2352	2352	2352	2352	2352	
<b>Taiwan, China</b>																			
Kaohsiung						444	444	444	444	444	444	444	444	444	444	1110	1626	1626	
<b>UAE</b>																			
Dubai	-	-	-	-	2916	6036	6066	6114	6108	6108	6108	6108	6108	6108	6108	6234	7146	9402	9882
<b>United Kingdom</b>																			
Hull			2622	3384	3384	4254	4254	4254	4254	4254	4254	4254	4254	4254	4254	4254	4254	4254	
Liverpool	5898	4554	4056	3516	3492	2538	2538	2538	2538	2538	2538	2544	2544	2544	2544	2544	2544	2544	
Tyne & Wear	4212	4356	1002	240	240														
<b>United States</b>																			
Baltimore	162					1620	1620	1812	1656	1578	1338	1320	1296	1278	1170	1176	1074	1314	
Chicago						1926	1926	1926	1926	1752	516								
Detroit					402	402	402	402	402	12									
Long Beach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mobile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	246	
New Haven	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
St. Louis	6																		
<b>Total</b>	<b>78822</b>	<b>158424</b>	<b>136890</b>	<b>90516</b>	<b>141690</b>	<b>261468</b>	<b>265998</b>	<b>271128</b>	<b>283956</b>	<b>279876</b>	<b>284112</b>	<b>305256</b>	<b>317628</b>	<b>328860</b>	<b>358374</b>	<b>385314</b>	<b>404766</b>	<b>414900</b>	

**Notes to table:** Readers should note that stocks in this table differ from those reported in the table above because they are measured on different dates.

**DELIVERIES TO BONDED WAREHOUSES IN THE NETHERLANDS  
FERRO-NICKEL (HS 72.02.60)**

From	1997	1998	1999	2000	2001	2002	2003	2004	2005	2001				2002	
	Year	Year	Year	Year	Year	Year	Year	Year	Year	I	II	III	IV	I	II
Bulgaria															
Brazil															
China, P.R.															
Colombia															
Cuba															
Estonia															
Dominican Rep.															
<b>European Union</b>															
Germany															
Latvia															
Lithuania															
Moldova															
Russian Fed.															
Ukraine															
United States															
Venezuela															
<b>Total</b>															

Notes to table: Tonnages in gross weight.

**RELEASES FROM BONDED WAREHOUSES IN THE NETHERLANDS  
FERRO-NICKEL (HS 72.02.60)**

To	1997	1998	1999	2000	2001	2002	2003	2004	2005	2001				2002	
	Year	Year	Year	Year	Year	Year	Year	Year	Year	I	II	III	IV	I	II
Australia															
Brazil															
Canada															
China, P.R.															
Colombia															
Dominican Rep.															
<b>European Union</b>															
Austria															
Belgium / Luxemb.															
Finland															
France															
Germany															
Italy															
Spain															
Sweden															
United Kingdom															
Estonia															
India															
Japan															
Korea, Rep.															
Latvia															
Libya															
Poland															
Russia															
Slovakia															
Slovenia															
South Africa															
Taiwan, China															
Ukraine															
United States															
Other															
<b>Total</b>															

Notes to table: a) Tonnages in gross weight.

Source: Central Bureau of Statistics - The Netherlands.

'000 tonnes												'000 tonnes						
2002		2003				2004				2005								From
III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV					
																	- Bulgaria	
																	Brazil	
																	China, P.R.	
																	Colombia	
																	Cuba	
																	Estonia	
																	Dominican Rep.	
																	<b>European Union</b>	
																	Germany	
																	Latvia	
																	Lithuania	
																	Moldova	
																	Russian Fed.	
																	Ukraine	
																	United States	
																	Venezuela	

'000 tonnes												'000 tonnes						
2002		2003				2004				2005								To
III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV					
																	- Australia	
																	Brazil	
																	Canada	
																	China, P.R.	
																	Colombia	
																	Dominican Rep.	
																	<b>European Union</b>	
																	Austria	
																	Belgium / Luxemb.	
																	Finland	
																	France	
																	Germany	
																	Italy	
																	Spain	
																	Sweden	
																	United Kingdom	
																	Estonia	
																	India	
																	Japan	
																	Korea, Rep.	
																	Latvia	
																	Libya	
																	Poland	
																	Russia	
																	Slovakia	
																	Slovenia	
																	South Africa	
																	Taiwan, China	
																	Ukraine	
																	United States	
																	Other	

**DELIVERIES TO BONDED WAREHOUSES IN THE NETHERLANDS  
UNWROUGHT NICKEL, NOT ALLOYED (HS 75.02.10)**

From	1997	1998	1999	2000	2001	2002	2003	2004	2005	2001				2002	
	Year	Year	Year	Year	Year	Year	Year	Year	Year	I	II	III	IV	I	II
Australia															
Brazil															
Canada															
China, P.R.															
Colombia															
Czech Rep.															
Estonia															
<b>European Union</b>															
Finland															
France															
Germany															
Spain															
Sweden															
United Kingdom															
Hungary															
Israel															
Latvia															
Lithuania															
Norway															
Russian Fed.															
Singapore															
Slovakia															
South Africa															
Switzerland															
Ukraine															
UnArabEmi															
USA															
Zimbabwe															
Other															
<b>Total</b>															

**Notes to table:** Figures refer to tonnages delivered to bonded warehouses in the Netherlands, including LME warehouses.

**Source:** Central Bureau of Statistics - The Netherlands.

'000 tonnes												'000 tonnes						
2002		2003				2004				2005								From
III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV					
																		Australia
																		Brazil
																		Canada
																		China, P.R.
																		Colombia
																		Czech Rep.
																		Estonia
																		<b>0 European Union</b>
																		Finland
																		France
																		Germany
																		Spain
																		Sweden
																		United Kingdom
																		Hungary
																		Israel
																		Latvia
																		Lithuania
																		Norway
																		Russian Fed.
																		Singapore
																		Slovakia
																		South Africa
																		Switzerland
																		Ukraine
																		UnArabEmi
																		USA
																		Zimbabwe
																		Other

**RELEASES FROM BONDED WAREHOUSES IN THE NETHERLANDS  
UNWROUGHT NICKEL, NOT ALLOYED (HS 75.02.10)**

To	1997	1998	1999	2000	2001	2002	2003	2004	2005	2001				2002	
	Year	Year	Year	Year	Year	Year	Year	Year	Year	I	II	III	IV	I	II
Argentina															
Australia															
Azerbaijan															
Bolivia															
Bulgaria															
Brazil															
Canada															
China, P.R.															
Croatia															
Cuba															
Cyprus															
Czech Rep.															
Egypt															
Estonia															
<b>European Union</b>															
Austria															
Belgium / Luxemb.															
Denmark															
Finland															
France															
Germany															
Greece															
Ireland															
Italy															
Portugal															
Spain															
Sweden															
United Kingdom															
Hong Kong															
Hungary															
India															
Japan															
Korea, Rep.															
Mexico															
Malaysia															
Nigeria															
Norway															
Pakistan															
Peru															
Poland															
Romania															
Russian Fed.															
Singapore															
Slovakia															
Slovenia															
South Africa															
Switzerland															
Syria															
Taiwan, China															
Thailand															
Turkey															
Ukraine															
UnArabEmi															
United States															
Zimbabwe															
Other															
<b>Total</b>															

**Notes to table:**

Figures refer to tonnages released from bonded warehouses in the Netherlands, including LME warehouses.

**Source:**

Central Bureau of Statistics - The Netherlands.



'000 tonnes												'000 tonnes				
2002		2003				2004				2005				To		
III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV			
														Argentina		
														Australia		
														Azerbaijan		
														Bolivia		
														Bulgaria		
														Brazil		
														Canada		
														China, P.R.		
														Croatia		
														Cuba		
														Cyprus		
														Czech Rep.		
														Egypt		
														Estonia		
														<b>European Union</b>		
														Austria		
														Belgium / Luxemb.		
														Denmark		
														Finland		
														France		
														Germany		
														Greece		
														Ireland		
														Italy		
														Portugal		
														Spain		
														Sweden		
														United Kingdom		
														Hong Kong		
														Hungary		
														India		
														Japan		
														Korea, Rep.		
														Mexico		
														Malaysia		
														Nigeria		
														Norway		
														Pakistan		
														Peru		
														Poland		
														Romania		
														Russian Fed.		
														Singapore		
														Slovakia		
														Slovenia		
														South Africa		
														Switzerland		
														Syria		
														Taiwan, China		
														Thailand		
														Turkey		
														Ukraine		
														UnArabEmi		
														United States		
														Zimbabwe		
														Other		
29518	31255	32727	36451	31520	28470	27576	31377	40721	48870	42011	44483	40005	40682	<b>Total</b>		

**SUMMARY TRADE IN REFINED NICKEL (CLASS I)**

'000 tonnes

	2008	2009	2010	2011	2012	2013	2014	2013	2014											
	Year	Year	Year	Year	Year	Year	YTD	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>EXPORTS</b>																				
Australia																				
Brazil																				
Canada																				
China, P.R.																				
<b>EU 27</b>																				
Belgium																				
Finland																				
France																				
Germany																				
Italy																				
Netherlands																				
Spain																				
Sweden																				
United Kingdom																				
Hong Kong																				
Japan																				
Korea, Rep.																				
Norway																				
Russian Fed.																				
Singapore																				
South Africa																				
United States																				
Zimbabwe																				
<b>IMPORTS</b>																				
Australia																				
Brazil																				
Canada																				
China, P.R.																				
Czech Rep.																				
<b>EU 27</b>																				
Austria																				
Belgium																				
Finland																				
France																				
Germany																				
Italy																				
Netherlands																				
Poland																				
Spain																				
Sweden																				
United Kingdom																				
Hong Kong																				
India																				
Japan																				
Korea, Rep.																				
Mexico																				
Russian Fed.																				
Singapore																				
South Africa																				
Switzerland																				
Taiwan, China																				
Thailand																				
Turkey																				
Ukraine																				
United States																				

**Notes to table:** a) Nickel trade in this table refers mainly to trade in class I nickel (unwrought nickel, not alloyed, and nickel powder and flakes).

b) For Czech Rep., India, Mexico, Poland, South Africa, Switzerland and Turkey imports refer to unwrought nickel, not alloyed, only.

**SUMMARY TRADE IN CHARGE NICKEL (CLASS II)**

'000 tonnes

	2008	2009	2010	2011	2012	2013	2014	2013	2014												
	Year	Year	Year	Year	Year	Year	YTD	D	J	F	M	A	M	J	J	A	S	O	N	D	
<b>EXPORTS</b>																					
Australia #																					
Brazil																					
Canada #																					
Colombia #																					
Cuba #																					
Dominican Rep. #																					
<b>EU 27</b>																					
Austria																					
Belgium																					
France																					
Germany																					
Greece #																					
Netherlands																					
United Kingdom																					
FYROM																					
Hong Kong																					
Indonesia #																					
Japan #																					
New Cal. (Fr.) #																					
Russian Fed.																					
Ukraine																					
United States #																					
Venezuela																					
Yugoslavia (form)																					
<b>IMPORTS</b>																					
Brazil																					
Canada																					
China, P.R.																					
<b>EU 27</b>																					
Austria																					
Belgium																					
Finland																					
France																					
Germany																					
Italy																					
Netherlands																					
Spain																					
Sweden																					
United Kingdom																					
Hong Kong																					
India																					
Japan #																					
Korea, Rep.																					
Norway																					
South Africa																					
Taiwan, China																					
United States #																					

- Notes to table:** a) Nickel trade in this table refers mainly to trade in class II nickel (ferro-nickel and nickel oxide sinter). Figures may include other intermediate products of nickel metallurgy, but not nickel matte.  
b) Figures for countries marked with a # refer to nickel content. All others refer to gross weight.

## PRODUCTION OF CRUDE STAINLESS STEEL

'000 tonnes

	2009	2010	2011	2012	2013	Perc. Change	2013	2014	Perc. Change	2012	2013				2014		
	Year	Year	Year	Year	Year		Period	Period		IV	I	II	II	IV	I	II	III
<b>European Union</b>																	
Austria																	
Belgium																	
Finland																	
France																	
Germany																	
Italy																	
Spain																	
Sweden																	
United Kingdom																	
Czech Rep.																	
Poland																	
Slovenia																	
<b>Total</b>																	
Stainless steel																	
Of which austenitic																	
Austenitic ratio (%)																	
<b>Japan</b>																	
Stainless steel																	
Of which austenitic																	
Austenitic ratio (%)																	
<b>United States</b>																	
Stainless steel																	
Of which austenitic																	
Austenitic ratio (%)																	
<b>Brazil</b>																	
Stainless steel																	

## Notes to table:

- For Japan data are based on hot-rolled steel (excluding heat resisting steel).
- Figures may not be comparable between areas because of the different methods used in compiling data.
- Monthly totals do not add up to quarterly or yearly totals due to revisions.
- Some months may cover five weeks production.
- From January 2007, Japanese reporting on stainless steel has changed, so historical figures may not be comparable.
- Break in series: austenitic stainless steel for Japan in January 2007, due to inclusion of chrome-manganese stainless steel.
- The figures for the United States seems not to report the full amount of the US stainless crude steel production.

## USAGE (CONSUMPTION) OF NICKEL-BEARING SCRAP IN THE PRODUCTION OF STAINLESS STEEL

'000 tonnes

	2009	2010	2011	2012	2013	Perc. Change	2013	2014	Perc. Change	2012	2013				2014		
	Year	Year	Year	Year	Year		1-10	1-10		IV	I	II	II	IV	I	II	III
<b>Japan</b>																	
Nickel-bearing scrap																	
Nickel content																	
<b>United States</b>																	
Nickel-bearing scrap																	
Nickel content																	

## Notes to table:

- Nickel content estimated by the INSG Secretariat at 8% for Western Europe and Japan and at 7.5% for the United States.
- The European Union includes Austria, Belgium, Finland, France, Germany, Italy, Spain, Sweden and the United Kingdom. Figures refer to purchased stainless steel scrap. For the European Union nickel scrap may include "high grade" scrap imported from CIS (former USSR) and therefore the overall nickel content may be underestimated.
- For Japan data refer to purchased and revert waste or scrap of nickel and nickel alloys, with a nickel content of 2% or more used for the production of stainless steel and alloy steels.
- For the United States figures refer to gross weight of net purchases of stainless steel scrap plus adjustments for stock changes. All figures for the United States are subject to revision.
- Figures may not be comparable between areas because of the different methods used in compiling data.

'000 tonnes

2013								2014												
J	J	A	S	O	N	D		J	F	M	A	M	J	J	A	S	O	N		
																				<b>European Union</b> Austria Belgium Finland France Germany Italy Spain Sweden United Kingdom Czech Rep. Poland Slovenia <b>Total</b>  Stainless steel Of which austenitic <i>Austenitic ratio (%)</i>
																				<b>Japan</b>  Stainless steel Of which austenitic <i>Austenitic ratio (%)</i>
																				<b>United States</b>  Stainless steel Of which austenitic <i>Austenitic ratio (%)</i>
																				<b>Brazil</b>  Stainless steel

'000 tonnes

2013								2014												
J	J	A	S	O	N	D		J	F	M	A	M	J	J	A	S	O	N		
																				<b>Japan</b> Nickel-bearing scrap Nickel content  <b>United States</b> Nickel-bearing scrap Nickel content

**LME NICKEL PRICES, TURNOVER, DELIVERIES,  
STOCKS AND CANCELLED TONNAGE**

**NOVEMBER 2014**

Date	LME								
	US\$/tonne		US\$/lb		Turnover 6-tonne lots	Deliveries in tonnes	Deliveries out tonnes	Stocks tonnes	Cancelled tonnage
	Settlement	3-months	Settlement	3-months					
3	15575	15680	7.0647	7.1123	61001	834	288	385860	88506
4	15155	15235	6.8742	6.9105	118792	198	198	385860	91152
5	14980	15030	6.7948	6.8175	93480	702	444	386118	93204
6	15255	15340	6.9196	6.9581	62930	1866	762	387222	88572
7	15265	15340	6.9241	6.9581	59819	2850	738	389334	86580
10	15070	15150	6.8356	6.8719	45029	0	438	388896	85710
11	15090	15160	6.8447	6.8765	56581	798	918	388776	84882
12	15535	15600	7.0466	7.0760	66429	1200	840	389136	85992
13	15520	15625	7.0398	7.0874	71854	1164	930	389370	89148
14	15320	15375	6.9490	6.9740	88597	990	594	389766	88128
17	15600	15660	7.0760	7.1033	81297	2004	1572	390198	85518
18	15650	15705	7.0987	7.1237	86500	930	696	390432	90840
19	15850	15905	7.1894	7.2144	77371	2940	48	393324	90642
20	16175	16250	7.3369	7.3709	74384	2004	558	394770	88884
21	16450	16505	7.4616	7.4865	70160	2736	270	397236	99642
24	16535	16605	7.5002	7.5319	75867	936	108	398064	97368
25	16455	16535	7.4639	7.5002	78022	2004	72	399996	95022
26	16230	16310	7.3618	7.3981	54869	2154	300	401850	97530
27	16325	16400	7.4049	7.4389	55317	3150	504	404496	94842
28	16090	16160	7.2983	7.3301	71144	690	420	404766	101850
Average	15706	15779	7.1242	7.1570				392774	
High	16535	16605	7.5002	7.5319				404766	
Low	14980	15030	6.7948	6.8175				385860	

**Notes to Table:** Turnover, as supplied by the LME, refers to futures and options.

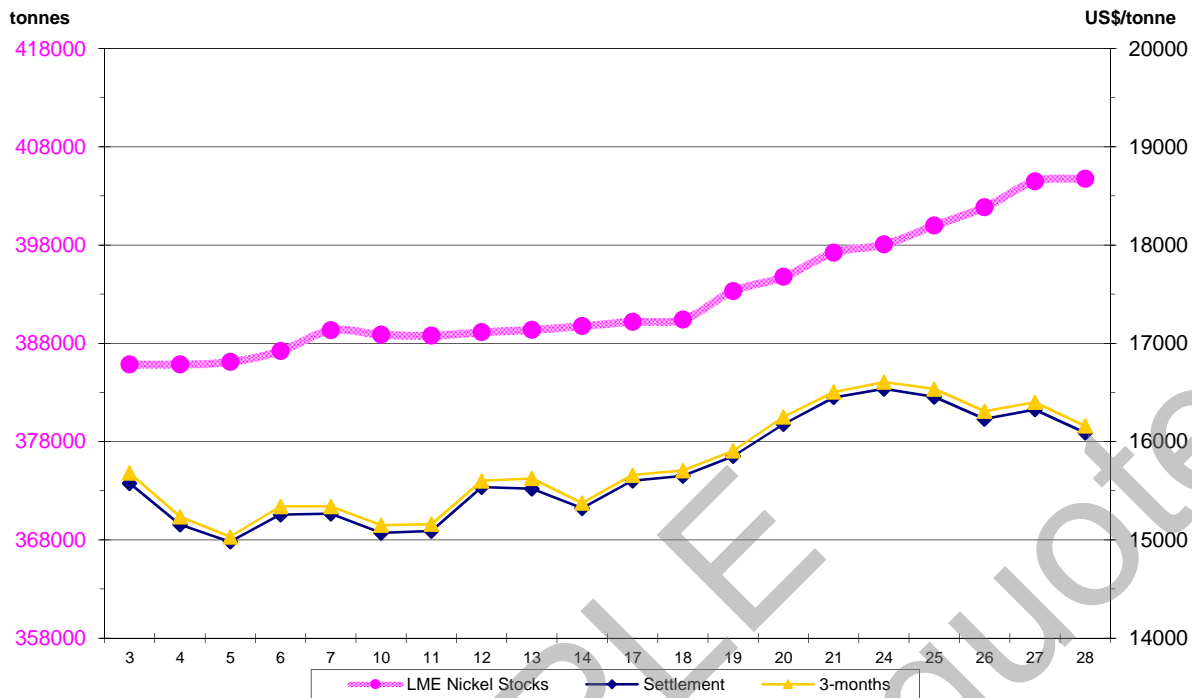
**DECEMBER 2014**

Date	LME								
	US\$/tonne		US\$/lb		Turnover 6-tonne lots	Deliveries in tonnes	Deliveries out tonnes	Stocks tonnes	Cancelled tonnage
	Settlement	3-months	Settlement	3-months					
1	16205	16275	7.3505	7.3822	73266	1428	624	405570	104094
2	16175	16250	7.3369	7.3709	76684	2730	654	407646	104934
3	16325	16400	7.4049	7.4389	98694	348	1002	406992	105420
4	16780	16850	7.6113	7.6430	90107	624	246	407370	105780
5	16825	16875	7.6317	7.6544	73604	714	1674	406410	100800
8	16555	16675	7.5092	7.5637	86585	1422	1584	406248	93552
9	16255	16330	7.3731	7.4072	104861	2484	1164	407568	95868
10	16425	16500	7.4503	7.4843	109448	1044	2088	406524	91884
11	16150	16230	7.3255	7.3618	115853	786	2016	405294	98562
12	16335	16425	7.4094	7.4503	84075	486	594	405186	97638
15	16660	16720	7.5569	7.5841	93898	780	792	405174	96210
16	16130	16275	7.3164	7.3822	86593	1824	144	406854	96924
17	15430	15500	6.9989	7.0307	96961	756	888	406722	103008
18	15505	15525	7.0330	7.0420	60953	432	342	406812	102180
19	15350	15400	6.9626	6.9853	56317	1896	300	408408	101046
22	15630	15705	7.0897	7.1237	53702	1260	678	408990	96792
23	15380	15460	6.9763	7.0125	50816	2802	912	410880	95646
24	15275	15310	6.9286	6.9445	38860	774	846	410808	91854
29	15110	15185	6.8538	6.8878	58973	3276	1380	412704	90510
30	14855	14950	6.7381	6.7812	71295	1086	642	413148	86850
31	14935	15025	6.7744	6.8152	52073	1944	192	414900	86352
Average	15919	15994	7.2205	7.2546				408105	
High	16825	16875	7.6317	7.6544				414900	
Low	14855	14950	6.7381	6.7812				405174	

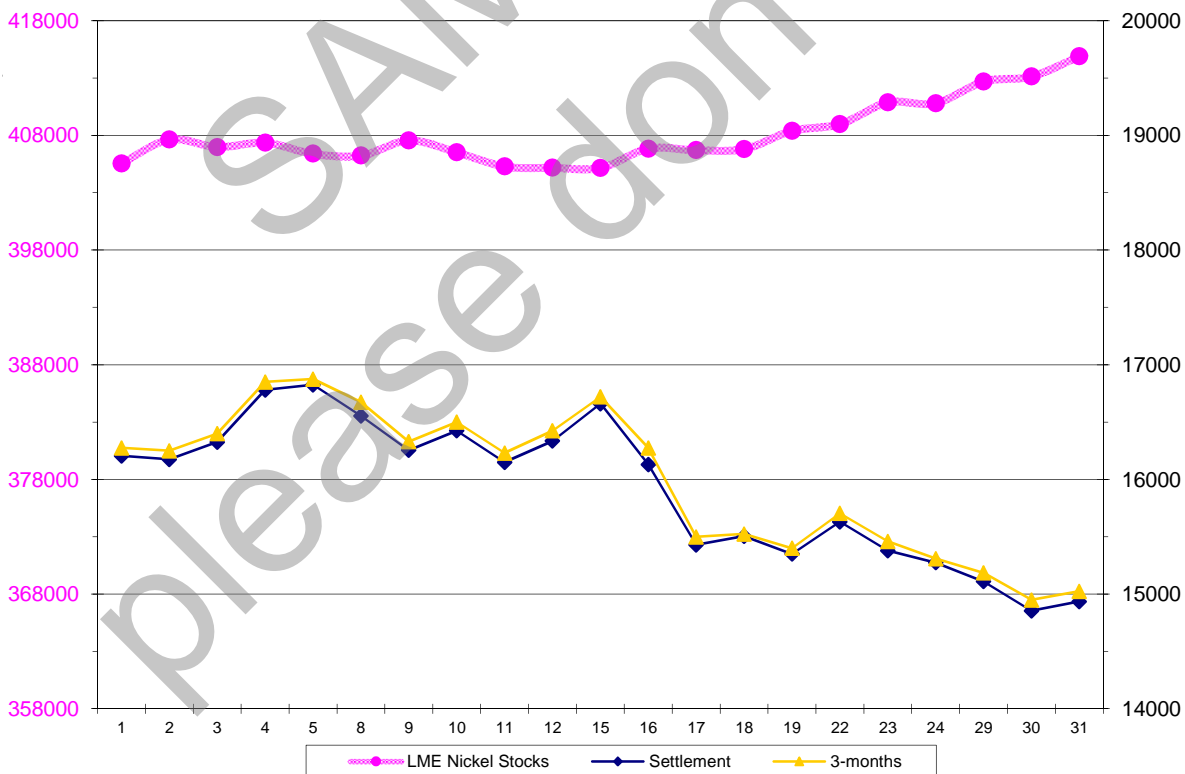
**Notes to Table:** Turnover, as supplied by the LME, refers to futures and options.

**LME NICKEL DAILY SETTLEMENT, 3-MONTHS PRICES AND DAILY NICKEL STOCKS**

**NOVEMBER 2014**



**DECEMBER 2014**



# AUSTRALIA

## AUSTRALIA NICKEL PRODUCTION tonnes

Production	2012	2013	Perc. Change	2014	2014	Perc. Change	2014									
	Year	Year		1-9	1-9		M	A	M	J	J	A	S	O	N	D
Mine	243598	234234	-3.8	180931	163749	-9.5	18171			55330			53905			
Intermediate	66294	68999	4.1	53769	53844	0.1	5680			19485			18889			
Refined (class I)	115795	133019	14.9	100188	99375	-0.8	9687			33111			34938			
Charge (class II)	12963	8500	-34.4	6357	6734	5.9	677			833			2500			

Notes to table: Refers to quarterly figures.

## AUSTRALIA IMPORTS OF NICKEL ORES AND CONCENTRATES (HS 26.04.00) tonnes

From	2012	2013	Perc. Change	2013	2014	Perc. Change	2014									
	Year	Year		1-3	1-3		M	A	M	J	J	A	S	O	N	D
Indonesia	11269	17545	55.7	3410	554	-83.8	0									
New Cal. (France)	19577	17129	-12.5	2311	3851	66.6	1782									
Philippines	8946	7817	-12.6	2227	0	n.a.	0									
<b>Total</b>	<b>39792</b>	<b>42493</b>	<b>6.8</b>	<b>7948</b>	<b>4404</b>	<b>-44.6</b>	<b>1782</b>									

## AUSTRALIA IMPORTS OF UNWROUGHT NICKEL, NOT ALLOYED (HS 75.02.10) tonnes

From	2012	2013	Perc. Change	2013	2014	Perc. Change	2014									
	Year	Year		Period	Period		M	A	M	J	J	A	S	O	N	D
Canada	1549	1044	-32.6	882	820	-7.0	0	0	18	36	108	36	144	180	144	
China, P.R.	100	0	n.a.	0	252	n.a.	0	0	90	90	72	0	0	0	0	
Finland	0	30	n.a.	30	0	n.a.	0	0	0	0	0	0	0	0	0	
Hong Kong	61	53	-13.2	51	32	-36.5	7	0	5	3	0	4	3	6	0	
Norway	384	216	-43.8	216	240	11.1	0	48	0	24	0	24	0	24	24	24
Singapore	133	71	-46.6	71	94	32.4	10	10	23	24	0	10	12	0	0	
United Kingdom	120	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0	0	
<b>Total</b>	<b>2347</b>	<b>1414</b>	<b>-39.8</b>	<b>1250</b>	<b>1438</b>	<b>15.1</b>	<b>17</b>	<b>58</b>	<b>136</b>	<b>177</b>	<b>180</b>	<b>74</b>	<b>159</b>	<b>210</b>	<b>168</b>	<b>24</b>

Notes to table: a) Import figures as reported by exporting countries.

b) Period is comparable for 2013 - 2014 but differs for each exporting country according to the number of months of data available so far for 2014.

## AUSTRALIA EXPORTS OF NICKEL ORES AND CONCENTRATES (HS 26.04.00) tonnes

To	2012	2013	Perc. Change	2013	2014	Perc. Change	2014									
	Year	Year		1-3	1-3		M	A	M	J	J	A	S	O	N	D
Canada	12976	3283	-74.7	2020	0	n.a.	0									
China, P.R.	57659	59135	2.6	15518	8050	-48.1	3290									
Finland	710	0	n.a.	0	0	n.a.	0									
Other	0	3140	n.a.	524	543	3.6	316									
<b>Total</b>	<b>71345</b>	<b>65558</b>	<b>-8.1</b>	<b>18062</b>	<b>8594</b>	<b>-52.4</b>	<b>3607</b>									

## AUSTRALIA EXPORTS OF NICKEL MATTE (HS 75.01.10) tonnes

To	2012	2013	Perc. Change	2013	2014	Perc. Change	2014									
	Year	Year		1-3	1-3		M	A	M	J	J	A	S	O	N	D
Australia	2432	0	n.a.	0	0	n.a.	0									
Brazil	1835	4210	129.4	1013	612	-39.6	0									
China, P.R.	84782	32036	-62.2	7976	6984	-12.4	2156									
Finland	5686	0	n.a.	0	0	n.a.	0									
India	984	1326	34.7	207	560	170.5	279									
Japan	3	889	**	132	368	178.8	133									
Other	0	0	n.a.	0	0	n.a.	0									
<b>Total</b>	<b>95722</b>	<b>38460</b>	<b>-59.8</b>	<b>9328</b>	<b>8524</b>	<b>-8.6</b>	<b>2568</b>									

## AUSTRALIA EXPORTS OF NICKEL OXIDE SINTER (HS 75.01.20) tonnes

From	2012	2013	Perc. Change	2013	2014	Perc. Change	2014									
	Year	Year		1-3	1-3		M	A	M	J	J	A	S	O	N	D
China, P.R.	728	124	-83.0	16	32	100.0	16									
Japan	503	303	-39.8	39	55	41.0	16									
Korea, Rep.	10586	6509	-38.5	1541	1237	-19.7	410									
Taiwan, China	433	737	70.2	212	109	-48.6	47									
United States	442	521	17.9	160	143	-10.6	81									
Other	115	190	65.2	51	61	19.6	13									
<b>Total</b>	<b>12803</b>	<b>8382</b>	<b>-34.5</b>	<b>2020</b>	<b>1637</b>	<b>-19.0</b>	<b>582</b>									

## AUSTRALIA EXPORTS OF OTHER INTERM. PRODUCTS OF NICKEL METALLURGY (HS 75.01.20.290) tonnes

From	2012	2013	Perc. Change	2013	2014	Perc. Change	2014									
	Year	Year		1-3	1-3		M	A	M	J	J	A	S	O	N	D
Other	0	0	n.a.	0	0	n.a.	0									
<b>Total</b>	<b>0</b>	<b>0</b>	<b>n.a.</b>	<b>0</b>	<b>0</b>	<b>n.a.</b>	<b>0</b>									



# AUSTRIA

<b>AUSTRIA IMPORTS OF WASTE &amp; SCRAP OF STAINLESS STEEL (HS 72.04.21)</b>																tonnes
From	2012	2013	Perc. Change	2013	2014	Perc. Change	2014									
	Year	Year		1-10	1-10		M	A	M	J	J	A	S	O	N	D
Germany	16605	17107	3.0	14264	13846	-2.9	1321	1316	795	1128	1565	999	1051	2550		
Italy	4582	4919	7.4	4221	3128	-25.9	244	280	208	210	448	0	298	505		
Romania	1771	1514	-14.5	1039	1186	14.1	229	175	157	0	207	93	229	0		
Switzerland	191	558	191.5	105	2709	**	398	330	384	320	250	93	206	211		
Other	808	165	-79.6	117	469	**	28	0	3	168	102	20	48	93		
<b>Total</b>	<b>23958</b>	<b>24262</b>	<b>1.3</b>	<b>19746</b>	<b>21338</b>	<b>8.1</b>	<b>2221</b>	<b>2101</b>	<b>1546</b>	<b>1826</b>	<b>2572</b>	<b>1205</b>	<b>1832</b>	<b>3359</b>		

Notes to table: Tonnes in gross weight.

<b>AUSTRIA IMPORTS OF NICKEL WASTE AND SCRAP (HS 75.03.00)</b>																tonnes
From	2012	2013	Perc. Change	2013	2014	Perc. Change	2014									
	Year	Year		1-10	1-10		M	A	M	J	J	A	S	O	N	D
Germany	431	265	-38.5	207	616	197.9	33	36	21	167	152	66	21	20		
Hungary	52	2307	**	1518	1173	-22.7	119	144	163	70	71	94	116	95		
Netherlands	89	315	255.9	258	581	124.8	54	73	53	80	56	26	79	54		
Switzerland	196	276	40.9	147	380	158.2	53	37	65	14	10	28	75	29		
United Kingdom	968	1137	17.4	899	576	-35.9	135	89	85	0	0	22	25	20		
Other	203	70	-65.5	39	371	**	0	27	33	131	48	8	79	45		
<b>Total</b>	<b>1939</b>	<b>4370</b>	<b>125.4</b>	<b>3068</b>	<b>3696</b>	<b>20.5</b>	<b>393</b>	<b>406</b>	<b>419</b>	<b>462</b>	<b>337</b>	<b>244</b>	<b>395</b>	<b>264</b>		

Notes to table: Tonnes in gross weight.

# BALTIC REPUBLICS

<b>BALTIC REPS. EXPORTS OF WASTE &amp; SCRAP OF STAINLESS STEEL (HS 72.04.21)</b>																tonnes
To	2012	2013	Perc. Change	2013	2014	Perc. Change	2014									
	Year	Year		1-10	1-10		M	A	M	J	J	A	S	O	N	D
Belgium/Lux	346	323	-6.6	273	309	13.2	0	76	25	50	51	24	0	41		
Canada	0	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
China, P.R.	0	38	n.a.	38	0	n.a.	0	0	0	0	0	0	0	0		
Cyprus	6	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Czech Rep.	0	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Denmark	40	0	n.a.	0	21	n.a.	0	0	21	0	0	0	0	0		
Finland	0	1	n.a.	0	15	n.a.	0	0	0	0	0	0	0	15		
Germany	5323	3584	-32.7	2765	5081	83.8	539	492	751	481	936	309	222	81		
India	2325	1517	-34.8	1212	1490	22.9	116	79	59	269	141	102	0	233		
Indonesia	0	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Italy	0	111	n.a.	89	0	n.a.	0	0	0	0	0	0	0	0		
Japan	0	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Korea, Rep.	294	18	-93.7	0	0	n.a.	0	0	0	0	0	0	0	0		
Netherlands	26146	1800	-93.1	1537	2292	49.1	208	182	218	117	364	414	255	135		
Norway	42	18	-56.5	18	27	51.4	0	10	4	0	7	0	0	0		
Pakistan	0	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Poland	19	513	**	459	824	79.4	80	120	79	97	89	120	106	84		
Singapore	0	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Slovakia	0	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Spain	14	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Sweden	4145	582	-86.0	457	463	1.2	69	43	16	18	36	0	54	58		
Taiwan, China	0	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Thailand	19	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
Ukraine	0	25	n.a.	11	0	n.a.	0	0	0	0	0	0	0	0		
United Kingdom	530	120	-77.4	120	0	n.a.	0	0	0	0	0	0	0	0		
United States	0	0	n.a.	0	0	n.a.	0	0	0	0	0	0	0	0		
<b>Total</b>	<b>39248</b>	<b>8649</b>	<b>-78.0</b>	<b>6979</b>	<b>10521</b>	<b>50.8</b>	<b>1012</b>	<b>1001</b>	<b>1173</b>	<b>1032</b>	<b>1624</b>	<b>969</b>	<b>637</b>	<b>647</b>		

Notes to table: a) Tonnes in gross weight.  
b) Netherlands July 2012 under investigation.

## NICKEL CONTENT OF PRODUCTS FROM MINES, SMELTERS AND REFINERIES

These two tables on nickel content of products from mines, smelters and refineries are produced to assist users in converting gross weight of traded nickel products to nickel content. Missing information and corrections are welcomed for future issues.

MINES			
Country/Company	Location	Ore type	Ni content of ore (conc.)
<b>Australia</b>			
Poseidon	Black Swan	Ni sulphides	
Fox Resources	Radio Hill	Ni sulphides	
BHP Billiton	Mount Keith	Ni sulphides	
<b>Finland</b>			
Belvedere Resources	Hitura	Ni, Ni-Cu sulphides	
<b>Indonesia</b>			
PT Aneka Tambang	S.E. Sulawesi Gebe Island	Laterite Laterite	
<b>New Caledonia (France)</b>			
Berton	Nakety M.C.	Laterite	
Nickel Mining Corp.	Kouaoua M.C.	Garnierite Laterite	
Soc. Le Niquel-SLN	Kouaoua, Thio and Nepoui M.C.	Garnierite Laterite	
Soc. Georges Montagnat	Tontouta & Karembe M.C.	Garnierite	
Soc. des Mines de la Tontouta	Moeno, Tontouta, Karembe M.C.	Garnierite Laterite	
Soc. Minière du Sud Pacifique	Ouaco, Boakaine, Poum and Poya M.C.	Garnierite Laterite	
<b>Norway</b>			
Titania A.S.	Hauge i Dalane	Ilmenite ore with sulphides	
<b>Philippines</b>			
Hinatuan Mining Corp.	Surigao/Eastern Samar District	Laterite	
Rio Tuba Mining	Palawan Island	Laterite	
Taganito Mining	Mindanao Island	Laterite	

SMELTERS AND REFINERIES			
Country/Company	Location	Product	Ni content
<b>Australia</b>			
Glencore	Murrin Murrin	Ni powder, briquettes	
Wingstar Investments	Cawse	Ni cathode	
Preston Resources Ltd.	Bulong	Ni cathode	
QNI Ltd.	Yabulu	Ni rondelles Higrade Ni rondelles Ni oxide sinter granules, powder	
WMC Limited	Kalgoorlie Kwinana	Ni Matte Ni powder, briquettes Ni-Co Sulphide	
<b>Austria</b>			
Treibacher Industrie A.G.	Treibach	Fe-Ni granules	
<b>Botswana</b>			
BCL Ltd.	Selebi Phikwe	Ni-Cu sulphide matte	
<b>Brazil</b>			
Codemin	Niquelândia, Goiás	Fe-Ni granules, ingots	
Mineração Serra de Fortaleza Ltda	Minas Gerais	Ni Matte	
Cia. Niquel Tocantins	São Miguel Paulista, São Paulo	Ni cathode	

*(table continued)*