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**GEOLOGICAL
SURVEY OF
NORWAY**

· NGU ·



REPORT

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Title: Norway's coastal aggregates. Export in 2016 and potential.			
Authors: Peer - Richard Neeb		Client: NGU	
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Summary: The Geological Survey of Norway has compiled an inventory of hard rock aggregate deposits in coastal Norway. This report contains a catalogue of Norwegian coastal quarries presently in production and exporting, as well as of potential production areas along the coast of South-Central Norway and Finnmark. In 2016, 22.4 million tonnes of aggregates were exported to Europe, and about 1,5 million tonnes were used by the offshore oil and gas industry on the continental shelf.			
Keywords:			
Coastal aggregates	Export		Los Angeles
PSV	Density		Bedrock

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Link to updated maps from all counties: http://www.ngu.no/kart/grus_pukk/	

INTRODUCTION

A total of 22.2 million tonnes of hard-rock aggregates and 0.2 million tonnes of sand and gravel were exported, with an export value of 1365 million NOK (or 148 mill EUR), from 30 norwegian hard-rock aggregate and 9 sand- and gravel producers (statistics compiled by NGU and the producers; see pages 5-9. Export of hard rock aggregate represents about 25 % of the total hard-rock production in Norway. Aggregates are used in the following ways: roads (53 %), concrete (17 %) offshore (6 %) and other use (24 %). Countries with greatest import from Norway last ten year are Germany, Denmark, Netherlands, England, and Poland, page 9. The majority of the quarrying companies are relatively small, catering essentially to local needs. There are, however, a number of major players including Norsk Stein A/S, Oster Pukk og Grus A/S, NorStone, Veidekke Industri AS, NCC Roads AS, Yeoman Halsvik AS, Bremanger Quarry AS, Norwegian Sandstone Export AS and Visnes Eclogite AS. These companies each have an annual production in the order of 1-10 million tonnes. The largest individual aggregate quarry (gneiss) owned by Norsk Stein A/S had a production of approx. 10 million tonnes in 2016. Aggregates for use offshore were exported to EU countries and in Norwegian sectors of the North Sea, amounted to 1,5 million tonnes in 2016. The exported sand and gravel came from quarries in Rogaland, Buskerud, Hedemark, Østfold, Nord Trøndelag and in Møre and Romsdal counties.

Norway is probably northern Europe's principal **hard-rock** country, being composed almost entirely of Precambrian and Palaeozoic igneous and metamorphic crystalline bedrock. Norway has a long and rugged coastline where a considerable variety of rocks, suitable for aggregate production, are well exposed. Deep-water anchorage, low tidal range and a well-developed infrastructure allow for planning of harbour facilities for medium to large - size bulk carriers. Norway has an attractive investment and taxation climate, and overseas investment is encouraged. National and local authorities are aware of the potential for the development of large coastal quarries (super-quarries) designed for the production and export of rock aggregates. The Geological Survey of Norway (NGU) is undertaking a number of investigations of potential coastal sites for such quarries, that should be taken in account in longterm planning at local and regional level for future development. In Bremanger municipality, Bremanger Quarry AS started export production to the Netherlands in 2001. A new sandstone quarry, Norwegian Sandstone Export AS, started export production in Flora municipality in 2007. Tschudi Aggregates AS in Kirkenes, Bjørnevatn started export to Russia in 2011. Velde Pukk AS – Hausvik started export in 2013.

This report and the Database for *sand, gravel and hard-rock aggregates* are accessible on the Internet, including digital maps on individual quarries:
<http://www.ngu.no/grusogpukk> , http://www.ngu.no/kart/grus_pukk/ or <http://www.ngu.no>

Trondheim, 15th June 2017

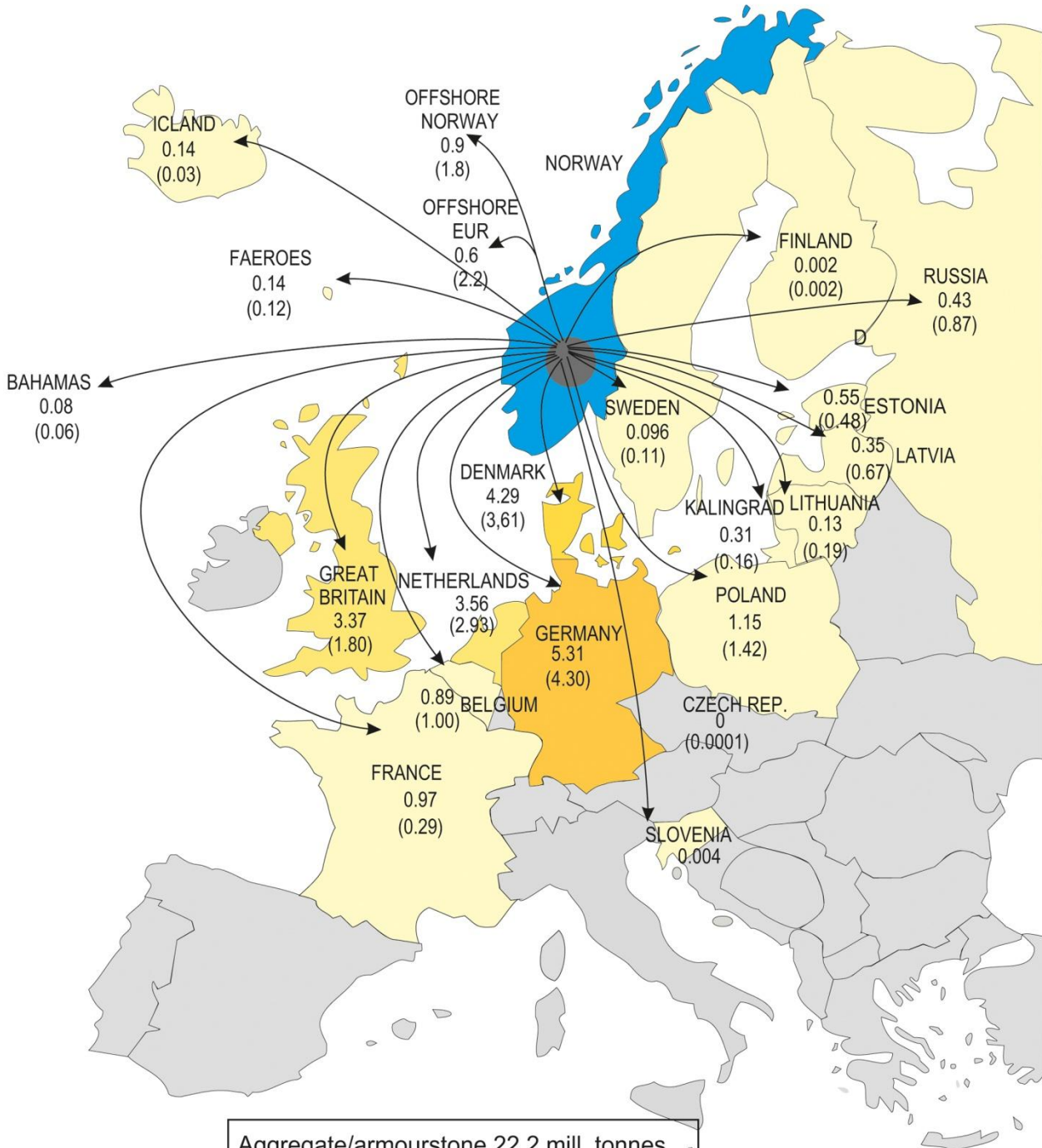


Peer-Richard Neeb
Senior Geologist
Aggregates

NORWEGIAN AGGREGATE EXPORTED IN 2016

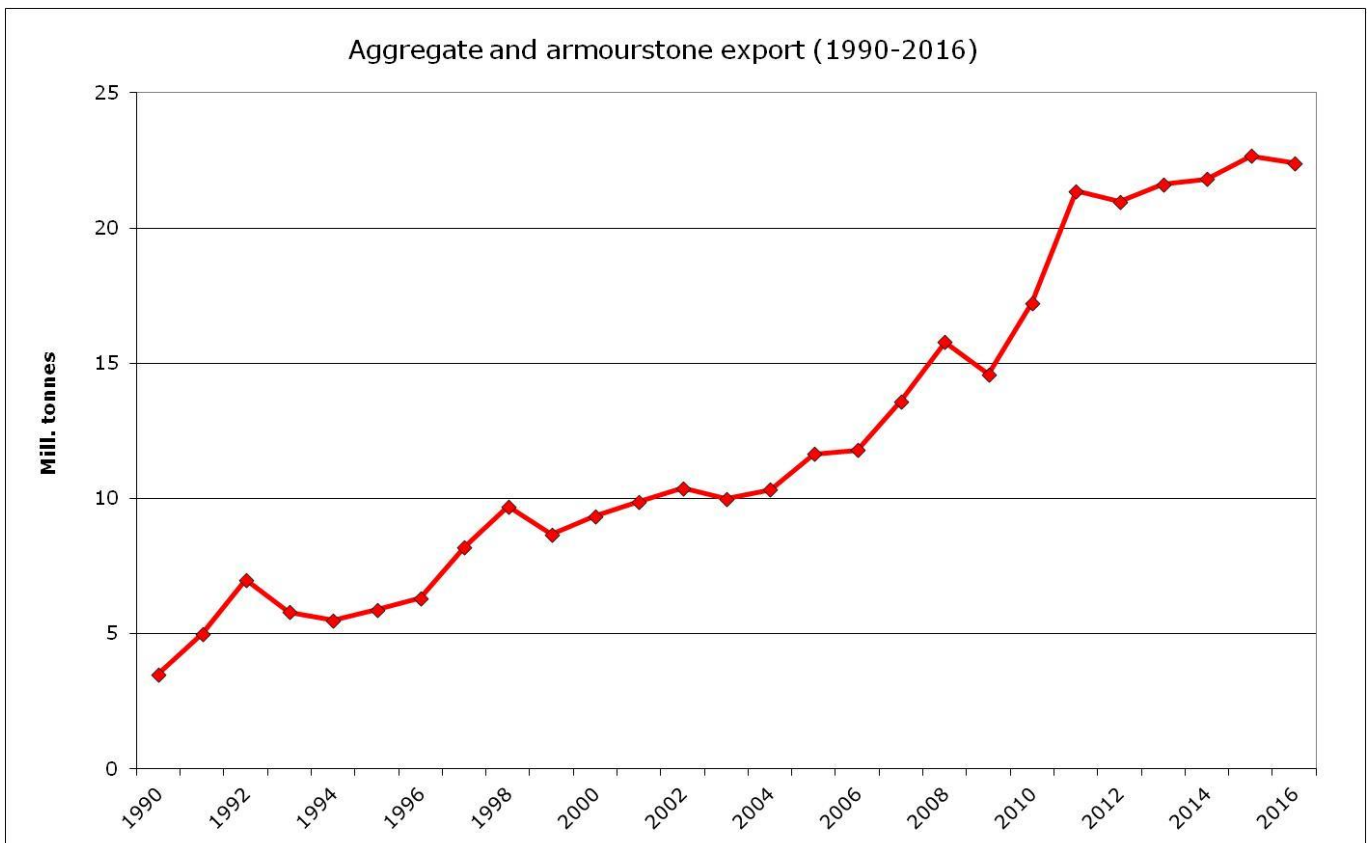
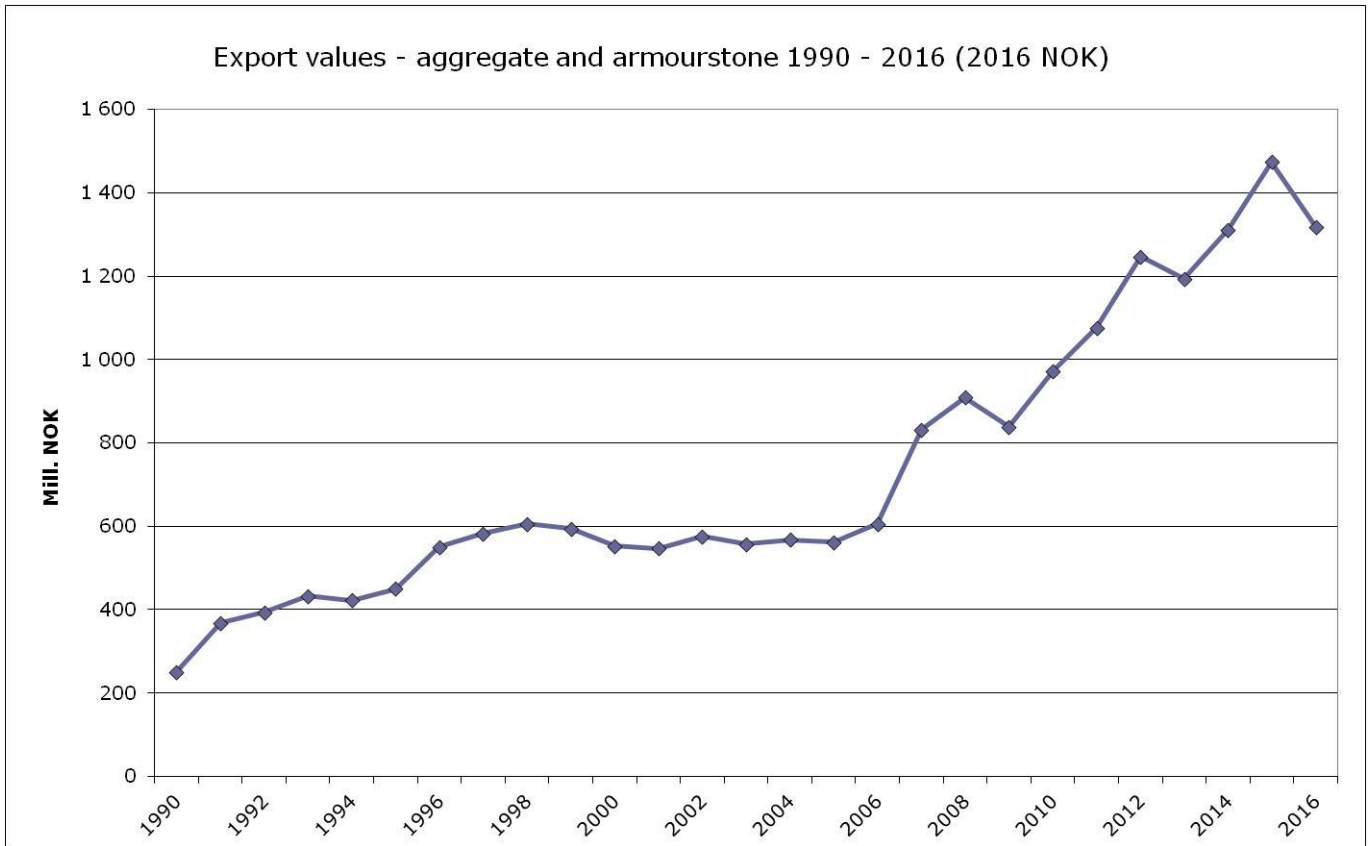
Total production exported 22.4 mill. tonnes aggregate, armourstone, sand and gravel, plus 1.5 mill. tonnes aggregate for offshore use.

Export production values for 2015 in parentheses.

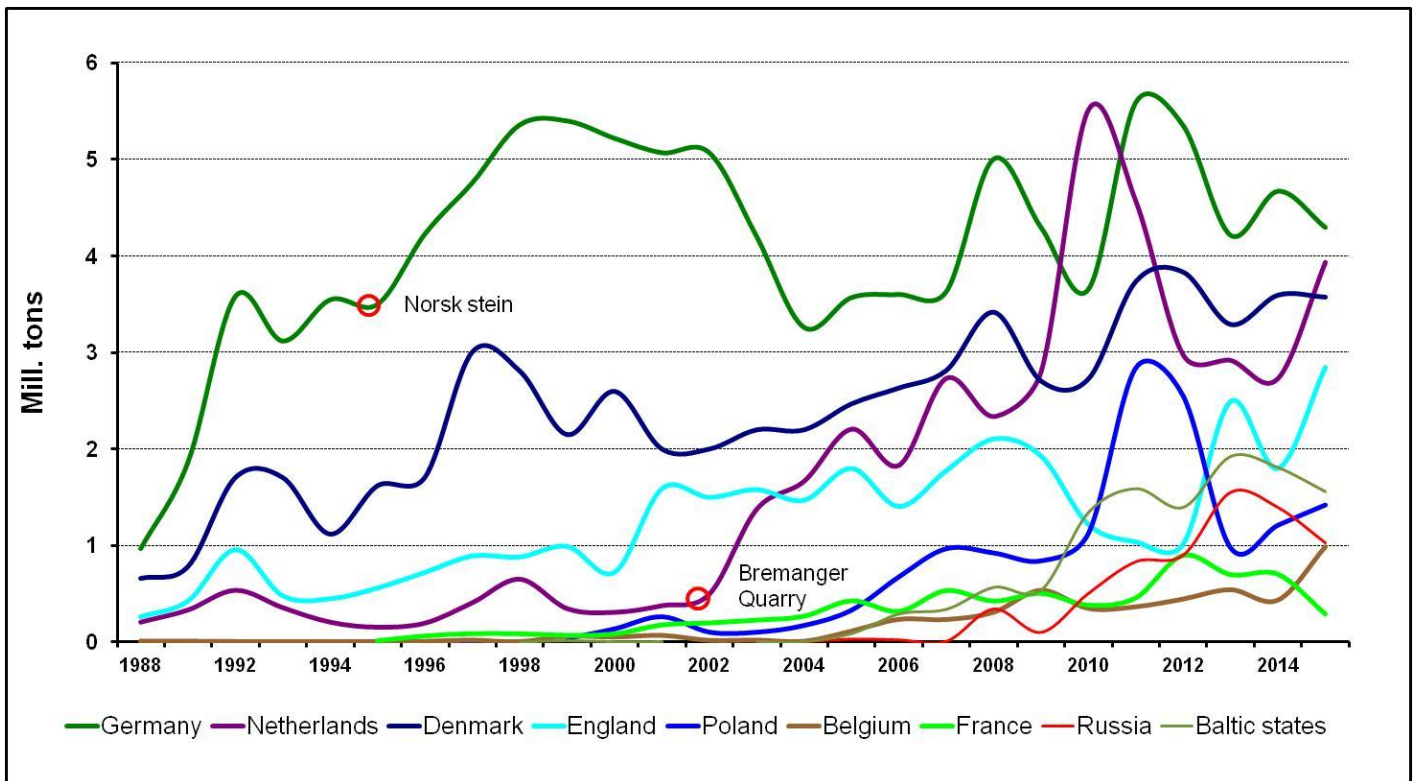


Aggregate/armourstone 22.2 mill. tonnes
 Sand/gravel 0.206 mill tonnes
 Export value 1365 mill. NOK 148 mill. EUR
 Reference: Producers - NGU

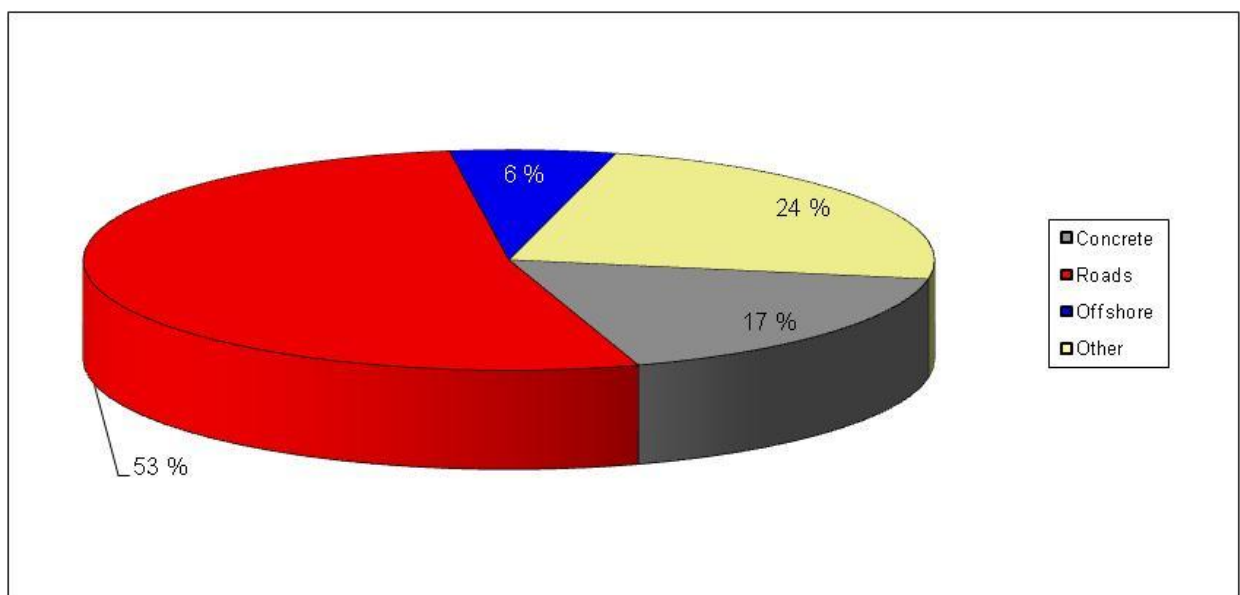
AGGREGATE EXPORT 1990-2016



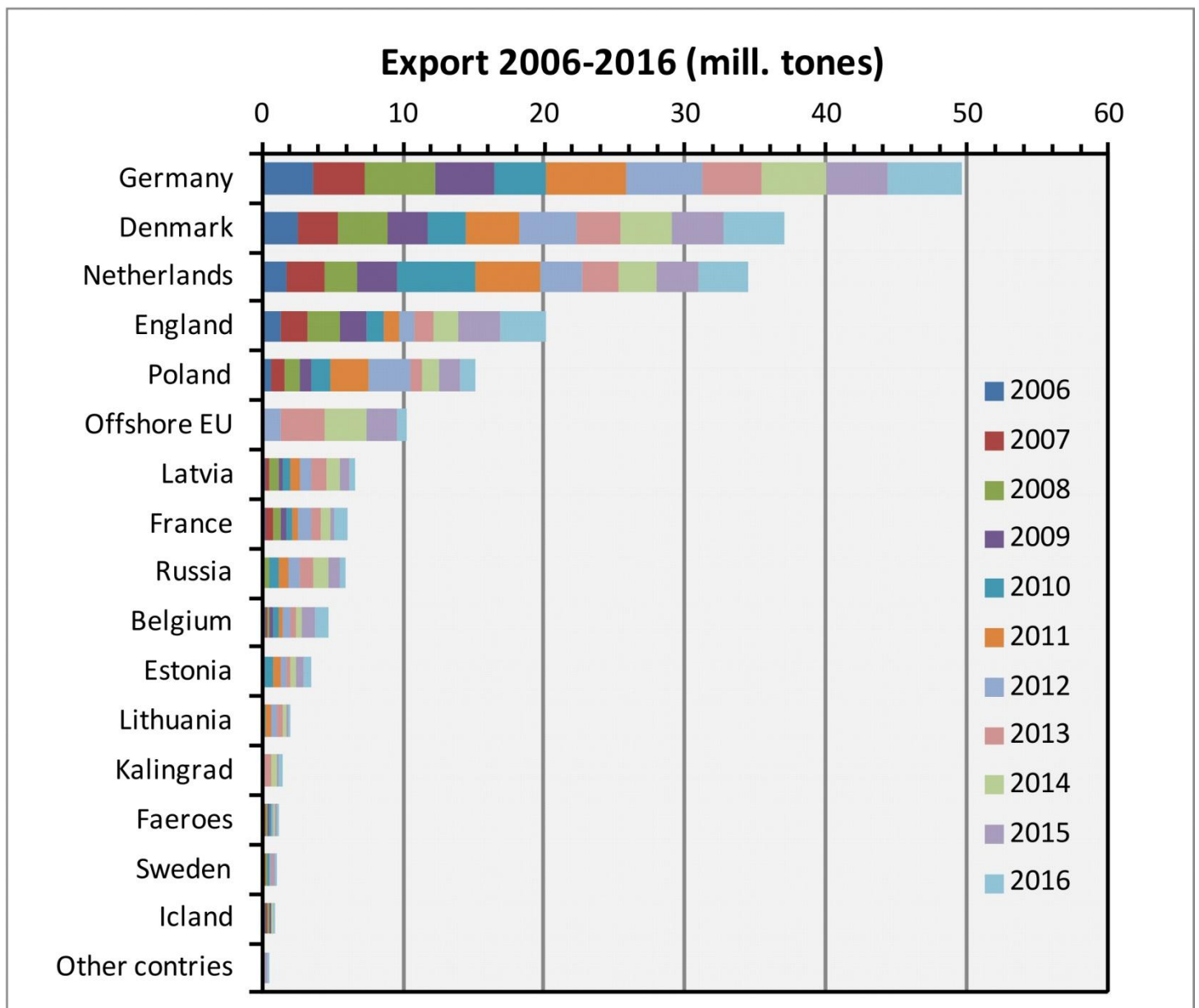
Norwegian export of hard rock aggregate 1988 – 2016 to more than 9 countries in Europe.



Consumption of exported aggregates



Norwegian export of hard rock aggregate 2006 – 2016 to more than 15 countries in Europe.





HARD ROCK AGGREGATES AND ARMOURSTONE: NORWEGIAN QUARRIES AND POTENTIAL AREAS ALONG THE COAST OF SOUTH-CENTRAL NORWAY AND FINNMARK. SITE NUMBER REFERENCED ON ENCLOSED MAPS

Østfold County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
0101-514 Halden	Brekke Iddefjorden BG-Stone AS Fabrikvej 12 1. sal, 8800 Viborg, Danmark	x	Hans Christian Andersen	+4560128859		Granite Grey	36	53	0101-514 Halden	Brekke Iddefjorden BG-Stone AS Fabrikvej 12 1. sal, 8800 Viborg, Danmark
0101-506 Halden	NorStone as, Svingen		Terje Holt	69 19 53 61	69 19 50 74	Gneiss/grey	15	51-54	2.79	

Vestfold County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
0709-511 Larvik	NCC Roads AS avd Hedrum- og Tjølling, Landhjem 3270 Larvik	x	Ronny Sørås	33 13 69 69 416 03 739	33 13 69 79	Syenite/Larvikite Grey-black	30.9 31.2	48 48	2.72 – 2.73 2.71	Hedrum Tjølling
0709.502	Lundhs AS, Tvedalen Box 2051, 3255 Larvik		Thor Anders Lundh Håkestad	33121164	33182334	Syenite/Larvikite Grey-black	22	48	2.74	Waste-Natural stone
0709-502 Larvik	Norsk Stein AS, avd. Larvik Svartbukt/Larvik Helgeroa	x	Stig Axel Olsen	94172320		Syenite/Larvikite Grey-black	24.5	48	2.74	Armourstone
0704-501 Tønsberg	Frete Pukkverk, Veidekke Industri AS Pukk og Grus Vestfold		Ole Stenholt	33016300 91618603		Syenite – Grey	13,0 - 16,5	43	2,70	,
0713-508 Sande	Sande		NGU			Carbonate White	19.4	57	2.78	Closed
0711-506 Svelvik	Juve pukkverk A/S, 3060 Svelvik	x	Guri Olsen	33 77 20 15		Granite Red	23.7 – 27.4		2.50 – 2.60	
0706.501 Sandefjord	Aasmund Berg pukkverk, Veidekke Industri AS Pukk og Grus Vestfold		Ole Stenholt	33016300 91618603		Larvikite- Grey	33	45	2.71	

Hedemark County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
0402-15 Kongsvinger	Gunnar Holth Grus- forretning AS, Postboks 2206, Kongsvinger	x	Tore Holth	990 91 620		Sand/gravel				

Buskerud County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
0628-8 Hurum	Verket, Svelviksand AS Postboks 104, 3001 Drammen		Cecilie Hagby	32 79 23 00 92430993		Sand/gravel				
0623-15-2 Modum	Sibelco Nordic AS Vestre Spone	x	Freddy Larsen	99557773		Sand/gravel				

Telemark County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
0815-509 Kragerø	NCC ROADS Avd. Valberg 3770 Kragerø	x	Nina Carlsen	40003368		Gabbro Black	15 - 20	51	2.90 – 3.11	

Aust-Agder County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
0901-506 Risør	Lemminkainen Norge A/S Ravneberget 4990 Søndeled		Eigil Runsag	37 15 39 50 90505342	37 15 62 73	Gabbro	14-16	48-52	2.99 - 3.05	
0904-516 Grimstad	Aust-Agder Jernmalm Landvik pukkerverk, Postboks 1701 Stoa, 4857 Arendal	x	August Kvernland	37097300		Gabbro	14 - 15	45 - 49	2.92 – 3.03	
0906-502 Arendal	Aust-Agder Jernmalm Eidehavn Postb. 1701, Stoa 4857 Arendal	x	August Kvernland	37097300		Gneiss	23 – 25	52	2.78 – 2.90	

Vest-Agder County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1001-508 Kristiansand	Ringknuten pukkverk A/S Postboks 1121 Lundsiden 4602 Kristiansand S		Karsten Reme	38 17 91 00	38 09 72 08	Gneiss	25	52	2.60 – 2.70	
1032-504 Lyngdal	Velde pukk AS avd. Hausvik	x	Eigil Velde Ole Bernhard Eriksen	93259303 932 59 330		Gneiss/granite Gabbro	21 - 24	50	2.73 – 2.80	New 2013

Rogaland County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1101-501 1101-502 Eigersund	K.S. Norwegian Edelsplit 4375 Hegrestad	x	Andreas B. Hovland	51 46 11 80 / 51 49 68 77 92211071	51 49 66 54	Anorthosite White	11.9 - 17	51 - 55 42	2.69 – 2.77	
1101-503 Eigersund	Ramsland pukk A.S., Hellvik 4387 Bjerkreim		Paul Ramsland local marked	51 45 01 88 51 49 68 77	51 45 01 11	Anorthosite White	12.3	54	2.78	
1129-06/09/10 Forsand	NCC ROADS AS avd Helle	x	Per Thu	91329020		Sand/gravel				
1129-3 Forsand	Forsand Sandkompani AS	x	Rune Haukalid Forsand							
1111-501 Sokndal	Rekefjord Stone AS 4380 Hauge i Dalane	x	Solveig Rek Olsen	51476050 91165456		Anorthosite/ Norite	14-33 23-35	46-53 55	2.75 3.16	
1134-501 Suldal	Norsk Stein AS Berakvam 4234 Jelsa	x	Odd Hodtvedt	52 79 29 00 415 65 611	52 79 29 01	Gneiss	15.4 – 20	52 - 58	2.76 – 2.79	
1122-501 Gjesdal	Norsk Stein AS Avd. Dirdal 4335 Dirdal	x	Odd Hodtvedt	415 65 611	51 67 61 01	Gneiss	24.3	48	2.76 – 3.0	
1133 – 020/21 Hjelmeland	NorStone Årdal 4137 Årdal	x	Kjell Apeland	913 42 813	51 67 61 01	Sand/gravel				
1130-504 Strand	Norsk Stein AS Avd. Tau 4120 Tau	x	Odd Hodtvedt	415 65 611	51 67 61 01	Mylonite Quartz diorite	10.5 – 10.8	52 – 57	2.76 – 2.80	
1133-04 Hjelmeland	NorStone Jøsenfjorden 4134 Jøsenfjorden	x	Kjell Apeland	913 42 813		Sand/gravel				

Rogaland County - Potential deposit of aggregate

Site number Municipality	Production location	Potential	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1103-503 Strand	Ådnanesnuten	Possible				Augen gneiss			2.66	
1141-501 Finnøy	Sørevågen	Possible				Gneiss			2.75	
1145-501 Bokn	Sønnaland	Possible				Gneiss			2.64	
1146-503 Tysvær	Ramsvika	Possible				Gneiss			2.67	
1134-503 Suldal	Ersdal	Possible				Gneiss			2.73	
1134-512 Suldal	Sauaskolten	Possible	NGU			Granite	13.7	52	2.67	
1134-533/534 Suldal	Røyrvik , Kubbavika+	Possible	NGU			Gneiss	11.6	55	2.85	
1154-502 Vindafjord	Knapphus knuseverk Toraneset Øvre Vats 5576		Svein Ove Tyssebotn	53 76 39 16		Granite			2.71	
1154-505 Vindafjord	Rafoss Invest AS, AS,Raunes	Possible	Vindafjord Rock Company	53 76 12 00 NGU	53 76 05 20	Gneiss	21.4 – 40.3	51 – 54	2.62 – 2.71	
1111-504	Sokndal-Jøssingfjord Noran A/S	Possible				Anorthosite				
1111-503	Hauge i Dalane, Sokndal Titania a/s	Possible	Knut Petter Netland	51 47 80 00 90911242	51 47 80 10	Anorthosite	24.1	48	2.88	Waste from ilmenite mine
1101-504	Lædre, Eigersund	Possible	NGU			Anorthosite	10.07 – 13.4	52 - 56	2.78	

Hordaland County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1247-501 Askøy	NorStone a.s NorStone Askøy 5328 Herdla	x	Kjell Apeland	913 42 813		Mylonite	14.1		2.60	
1263-501 Lindås	Eikefet pukkverk Oster Pukk og Sand A/S Eikemovegen 3, 5994 Vikanes	x	Knut Moe	56 35 77 00	56 35 77 08	Granite-gneiss	17	53-54	2.67	Micro Deval 5
1224-506 Kvinnherad	Johs Hjelmeland AS Austrepollen 5164 Dimmelsvik		Johannes Hjelmeland	53 48 30 70 41683070	56 55 60 57	Granite-gneiss	21	50 - 52	2.71	Waste from road tunnel

Hordaland County - Potential deposit of aggregate

Site number Municipality	Production location	Potential	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1222-504	Svartasmoget, SIM, 5410 Sagvåg Fitjar kommune	Possible	Terje Gilje	53 45 78 50	53 45 78 60	Granite			2.76	
1245-502	Sund Granitt AS, Nova Maritime Service A/S Postboks 3703, 5845 Bergen, Lundaneset, Sund kommune	Possible	Jan Johnsen	55 12 35 50	novajohn@start.no	Gneiss-granite	10.6 – 15.2	50 - 56	2.64	
1266-505	Eikemo Steinbrot Masfjorden	Possible	Tore Svendsen	56 36 51 00	56 36 51 05	Gneiss	25.9 – 31.1	52 - 55	2.65	
1263-504	Hodna, 5110 Isdalsstø Lindås kommune	Possible		56 35 05 55	56 35 28 00	Gabbro				
1246-505	Vindenes, Aktivest, Postboks 244, 5353 Straume, Fjell kommune	Possible	Harald Smedal	56 32 0055	56 32 01 60	Gneiss			2.74	
1223-501	Steinåsen, 5685 Uggdal Tysnes kommune	Possible		53 42 22 22	53 43 21 81	Quartz diorite	19	59	3.03	

Sogn og Fjordane County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1411-504 Gulen	Yeomen Halsvik AS, Sløvåg, 5960 Dalsøyra	x	Vilmøy Gaustad Patrich Jefford	977 01 321		Gneiss	20 – 24	49 - 57	2.67 - 2.71	Micro Deval: 9 New owner 2017
1411-505 Gulen	Skipavika Næringspark AS	x	Lars Hellandsjø	91742950		Gneiss				New 2013
1421-539 Aurland	Gudvangen stein AS, Holmen, 5747 Gudvangen	x	Sigmund Bjørke Frode Øvsthus	99203465 99203487		Anorthosite White	13 - 15	58 - 60	2.88 – 3.04	Mico Deval: 12
1424-501 Årdal	Årdalitt A/S Offerdal, 6146 Åheim		Henning Hansen	70 02 43 22		Trondhjemite	26	47	2.63	
1413-504 Hyllestad	Hyllestad Pukk Veidekke, Postboks 8043, Spjelkavik, 6022 Ålesund		Rune Haugen	90148192		Trondhjemite/- quartz diorite white granite	17	49 - 51	2.62	Micro Deval: 3 Export 2017
1433-504 Naustal	Nordic Mining A/S Engebø, Nausdal	Closed 99				Eclogite	9.5 – 12.6	51 – 53	3.31 - 3.38	
1420-501 Sogndal	Sogndal Pukkverk Fredheim Maskin og Betong A/S , 6856 Sogndal		Arvid Fredheim	57 67 84 46 90 51 33 66	57 67 88 14	Anorthosite	18	49	2.91-2.93	Micro Deval: 5.2

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1416-046 Høyanger	Bjorsand AS, 5962 Bjordal					Gneiss/sand-gravel				Closed Bankruptcy
1438-515 Bremanger	Bremanger Quarry A.S, Dyrstad 6723 Svelgen	x	Michel Peters	57 79 66 00	57 79 66 09	Sandstone Green	12 -19	60-62	2.69	Micro Deval: 17
1401-508 Flora	Seljestokken, Norwegian Sandstone Export AS. 6724 Svelgen	x	Knut Moe	577 477 30 56357700	577 477 31	Sandstone Green	12-14	59-61	2.72- 2.76	Micro Deval: 7

Sogn og Fjordane County - Potential deposit of aggregate

Site number Municipality	Production location	Potential	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1438-514 Bremanger	Gulestø, Bremanger Quarry A.S, Dyrstad 6721 Svelgen	Possible	Michel Peters	57 79 66 00	57 79 66 09	Sandstone Green	13	57 – 58	2.74	Production of armourstone later.
1438-504 and 510 Bremanger	Gotraneset - Skipperdalen	Possible	NGU			Trondhemite Grey/white	14.7 – 17.2	50 - 58	2.68 – 2.71	
1401-506 Flora	Beidvik, Durmålhornet	Possible	NGU			Sandstone Green	11.8	56	2.74	
1429-506, Fjaler	Lutelandet	Possible	NGU			Gneiss	17-21		2.75	New ind. area

Møre og Romsdal County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1554-506-1	Gunnar Holth Kristiansund AS – Averøy Bruhagen industripark, 6530 Averøy	x	Jan Egil Nordgård	41215761	71516041	Gneiss				Offshore Norway
1516-505 Ulstein	Kvalnes pukkverk Ulstein Betongindustri A/S 6072 Haddal			70 01 60 04		Gneiss/granite	19-20	52-53	2.67 – 2.70	
1504-501 Ålesund	Veidekke Industri AS Bringsa, Ålesund 6019 Ålesund		Magne Mørkedal	70 17 54 00 94 73 63 76	70 17 54 10	Gneiss			2.65 – 2.72	

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1523-501 Ørskog	Skjøholt pukkverk 6240 Sjøholt		Karl Vaksvik Vaksvik Maskin	70 27 30 52	70 27 31 02	Dioritic gneiss			2.77 – 2.85	
1543-522 Nesset	Veidekke Industri A.S Raudsand 6462 Raudsand		Magne Mørkedal	71 23 31 00	71 23 31 02	Gneiss/granite			2.60 – 2.66	
1551-508 Eide	Visnes Eklogitt A.S 6493 Lyngstad	x	Karl Johan Eide	71 29 92 20 905 62 206	71 29 92 21	Eclogite	21.9 – 23.2	59 – 61	3.15 – 3.20	
1548-512 Fræna	Viken Pukkverk A/S 1548 Fræna		Gunder Viken/ Kjell Hvattum	71 26 93 78	71 26 93 76	Gneiss	19-20	52	2.9-3.1	
1524-2-3 Nordal	Syltemoa sandtak AS	x	Frode M. Døving	45001406		Sand/gravel				

Møre og Romsdal County - Potential deposit of aggregate

Site number Municipality	Production location	Potential	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1523-502 Ørskog kommune	Viset pukkverk A.S Jønningshagen 40, 4316 Sandnes	Possible	Alf Follo	51 62 43 18		Gabbro black	11.9	52	3.13	
1547-502	Hollingen Aukra kommune	Possible				Gneiss/granite			2.63	
1560-503 Tingvoll	Hammaren	Possible				Gabbro			3.15	
1566-501 Tingvoll kommune	Durmålhaugen pukkverk A.S Jønningshagen 40, 4316 Sandnes	Possible	Alf Follo	51 62 43 18		Gneiss/granite	26	52	2.69	

Sør-Trøndelag/ Nord-Trøndelag Counties

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1621-501 Ørland	Veidekke Industri A.S Ottersbo pukkverk 7140 Opphaug	x	Ketil Oksvold	91165950	72 52 10 80	Mylonite	10.3	48 - 52	2.75 – 2.77	Some export
1627-505	Bjugn Pukkverk, Valsneset					Gneiss	12.3		2.77 – 2.81	

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
Bjugn	NCC Roads AS Trondheim									
1633-501 Osen	NordStone AS, avd.Fosen 7740 Steinsdalen	x	Pål Broks	72 57 78 90 97 19 10 96	72 57 78 68	Granodiorite	27.4 – 47.5	52 - 53	2.67 – 2.69	Offshore stone
1738-44-3 Lierne	Tunnsjø Maskin & Transport AS	x	Steinar Ditløv	41452501		Sand/gravel				

Sør-Trøndelag Nord-Trøndelag Counties - Potential deposit of aggregate

Site number Municipality	Production location	Potential	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1617-515	Korskammen Hitra kommune	Possible	NGU			Granodiorite Grey/white			2.70 – 2.75	
1633-502	Langstrandheia Osen kommune	Possible	NGU			Granite-gneiss	37.9 – 70.7	54 -61	2.62 – 2.78	
1612-506/507	Gjøbergsheia/ Kammen Hemne kommune	Possible	NGU			Gneiss	23.3 27.2	52 46	2.68 2.61	
1613-505	Stokkafjellet Snillfjord kommune	Possible	NGU Snillfjord kommune	72 45 55 55	72 45 55 97	Gneiss	19.6	53	2.64	
2011-503, Steinkjer	Slipsteinberget-Lilleberg Solberg steinindustri	Possible	Christian Solberg	90687883		Serpentine, green			2.70	Some export to Sweden previously

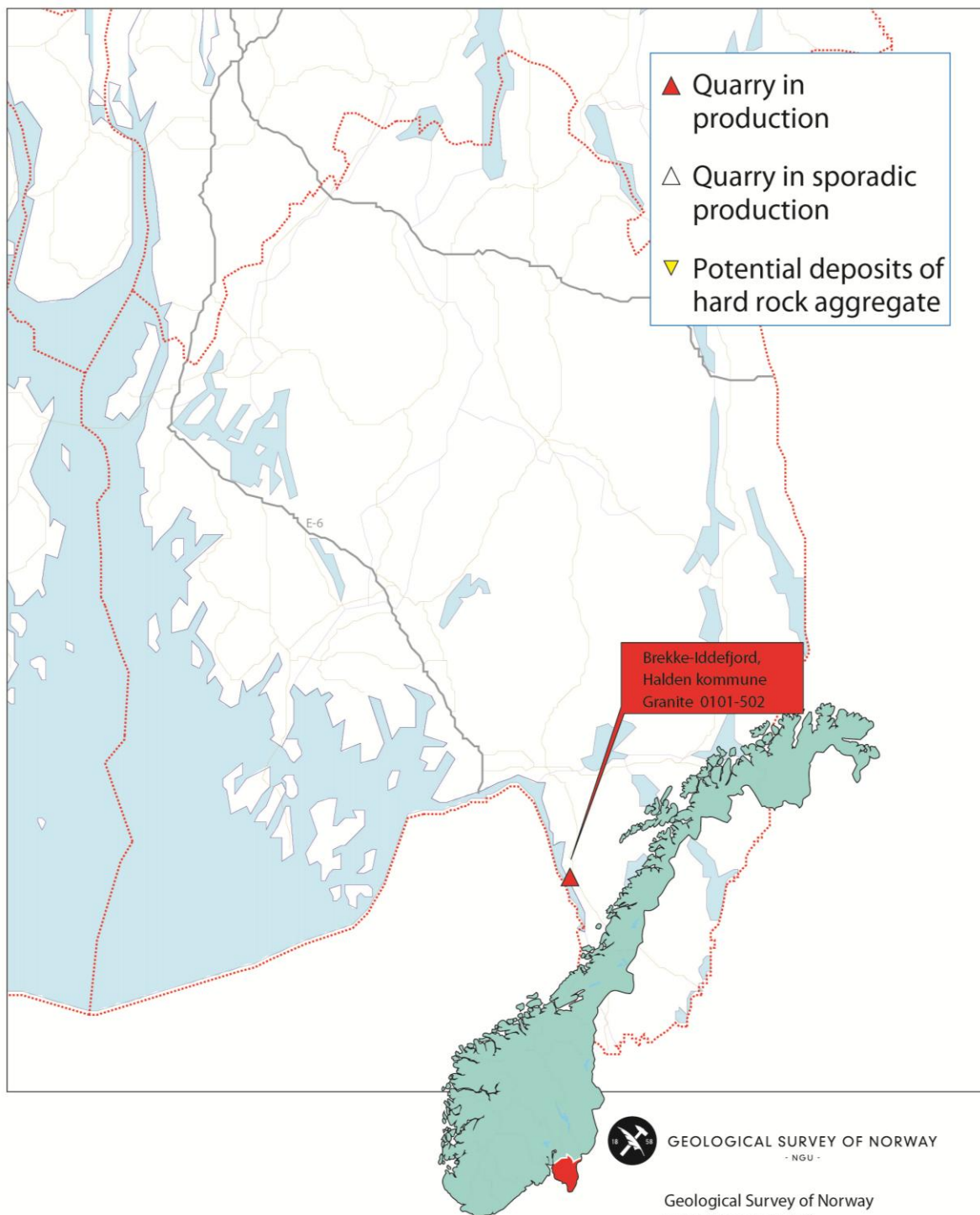
Nordland County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
1854-510 Ballangen	Ballangen Aggregates AS . Boks 86 8546 Ballangen					Noritt Pyroxenite Black-green	25 - 29 9 - 10	60 55 -60	3.0	Closed November 2008
1820-502	Aqua rock AS, 8800 Sandnessjøen		Jan Egil Nordgård	41215761		Marbel	39		2.74	New producer Offshore/export
1867-514 Bø	Kobbvågen Knuseverk AS Haugen 8475 Straumsjøen		Ronny Bergersen	97179726		Gabbro/black	25		2.8	New producer Offshore
1841- 5xx Fauske	Norwegian Rose as, Løgavlen, 8201 Fauske		Torvald Bie	47630987		Marbel/rose/grey				Aggregate New 8-250 mm
1870-507 Gullkista	Gunnar Holth Grus- forretning AS, Postboks 2206, Kongsvinger	x	Tore Holth	990 91 620		Gneiss	15.5	45	2.69	

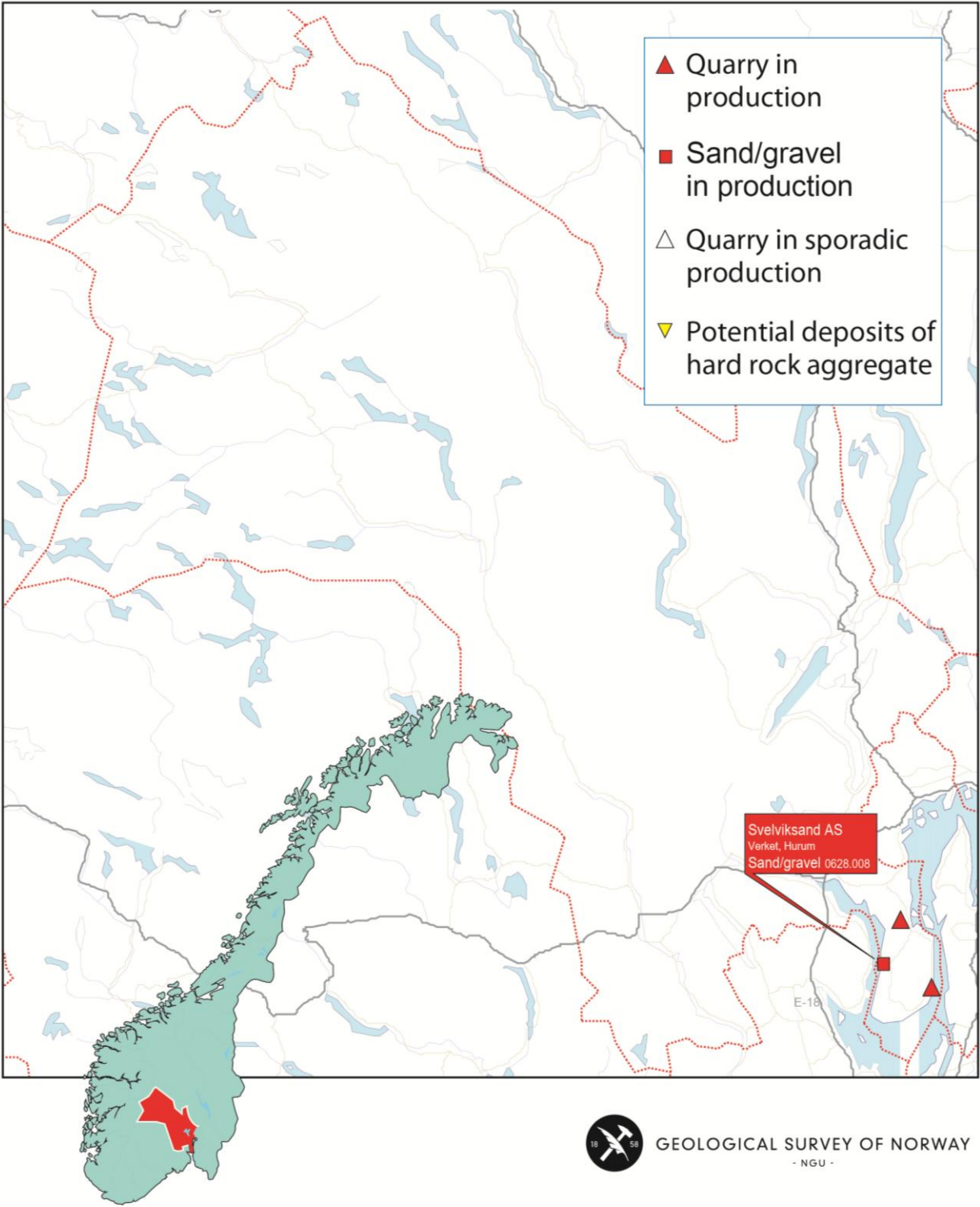
Finnmark County

Site number Municipality	Production location	Export today	Contact person	Telephone	Fax-number	Bedrock/ colour	Quality parameters			Other
							Los Angeles	PSV	Density	
2017-501 Kvalsund	Yeoman Halsvik AS Repparfjord-Kvalsund		Vilmøy Gaustad	977 01 321 90102531		Quartzite/grey	15	58	2.68	Offshore/export
2030-501 Sør - Varanger	Bjørnevatn Tschudi Aggregates A/S		Audun Celius	95277290		Gneiss Grey	12 – 18	54 – 56	2.75-3.02	Waste from iron mine
2011-503 Kautokeino	Fuxite AS Masi-Naranas Postboks 2252, 3103 Tønsberg	x	Per J. Moen	93255130		Quartzite/green	38		2,65	Nice colour

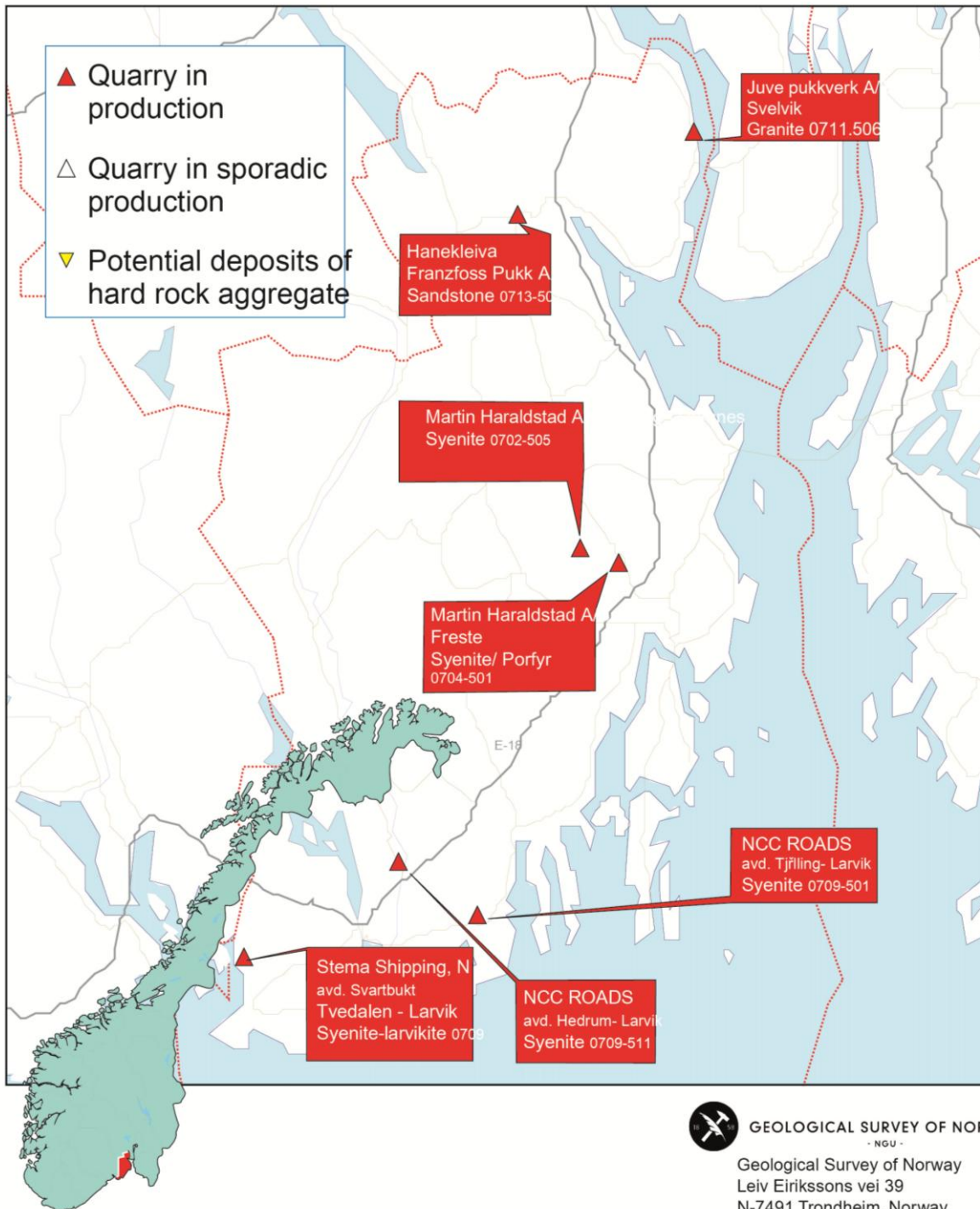
QUARRIES AND POTENTIAL DEPOSITS OF HARD ROCK AGGREGATE IN ØSTFOLD COUNTY



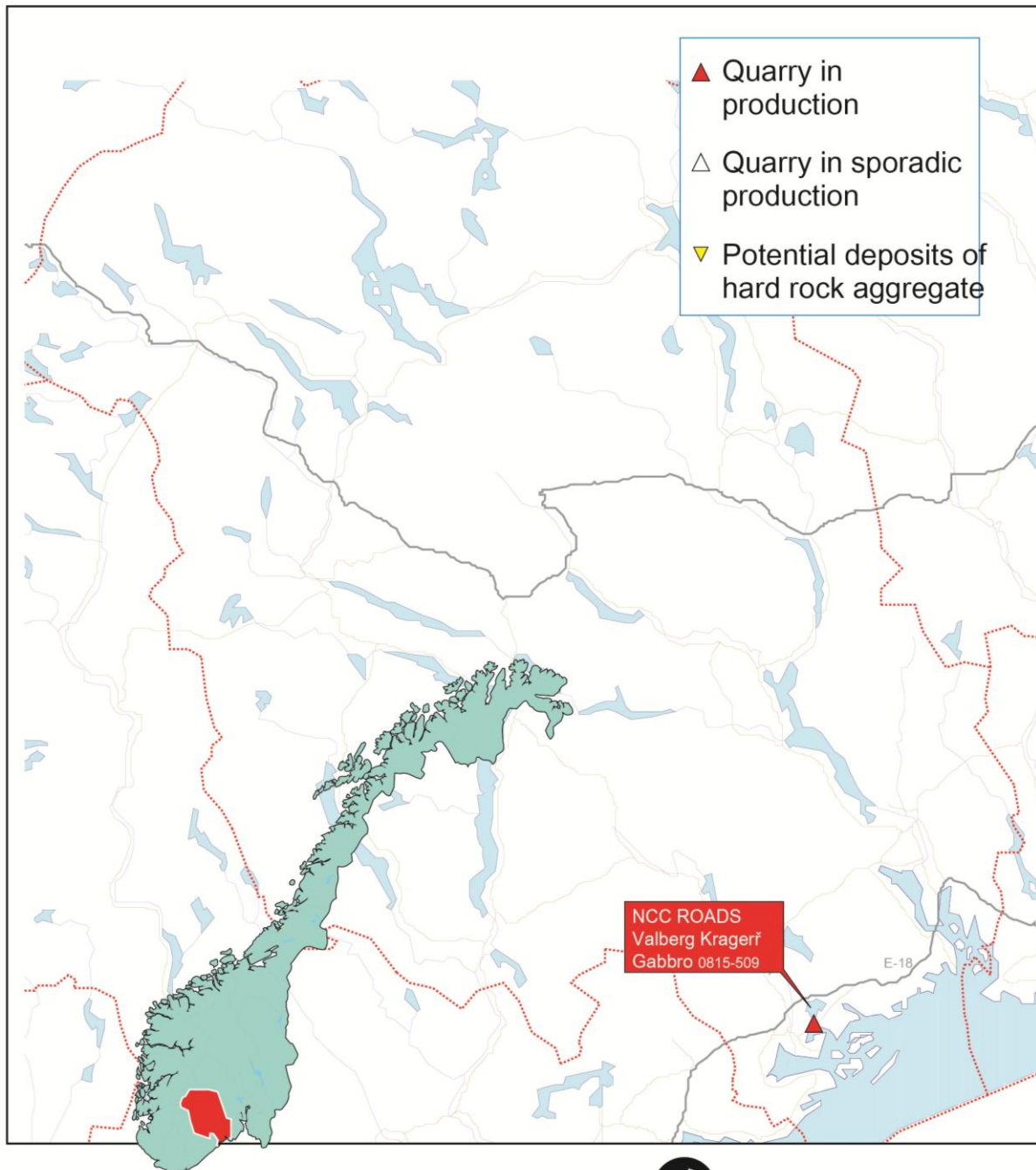
QUARRIES AND POTENTIAL DEPOSITS OF HARD ROCK AGGREGATE IN BUSKERUD COUNTY



QUARRIES AND POTENTIAL DEPOSITS OF HARD ROCK AGGREGATE IN VESTFOLD COUNTY



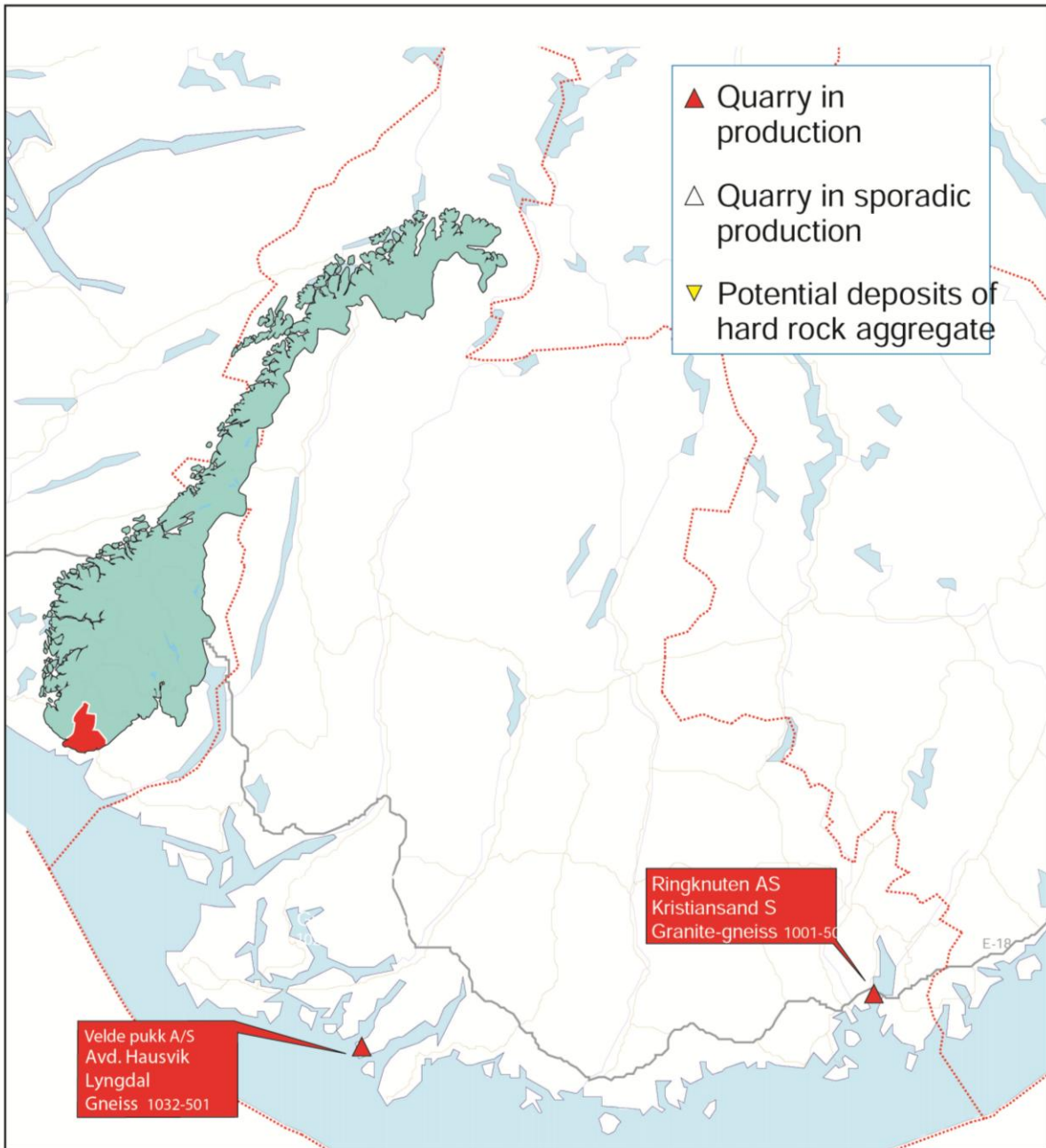
QUARRIES AND POTENTIAL DEPOSITS OF HARD ROCK AGGREGATE IN TELEMARK COUNTY



GEOLOGICAL SURVEY OF NORWAY
- NGU -

Geological Survey of Norway
Leiv Eirikssons vei 39
N-7491 Trondheim, Norway
Telephone.: 47 73 90 40 00
Telefax: 47 73 92 16 20

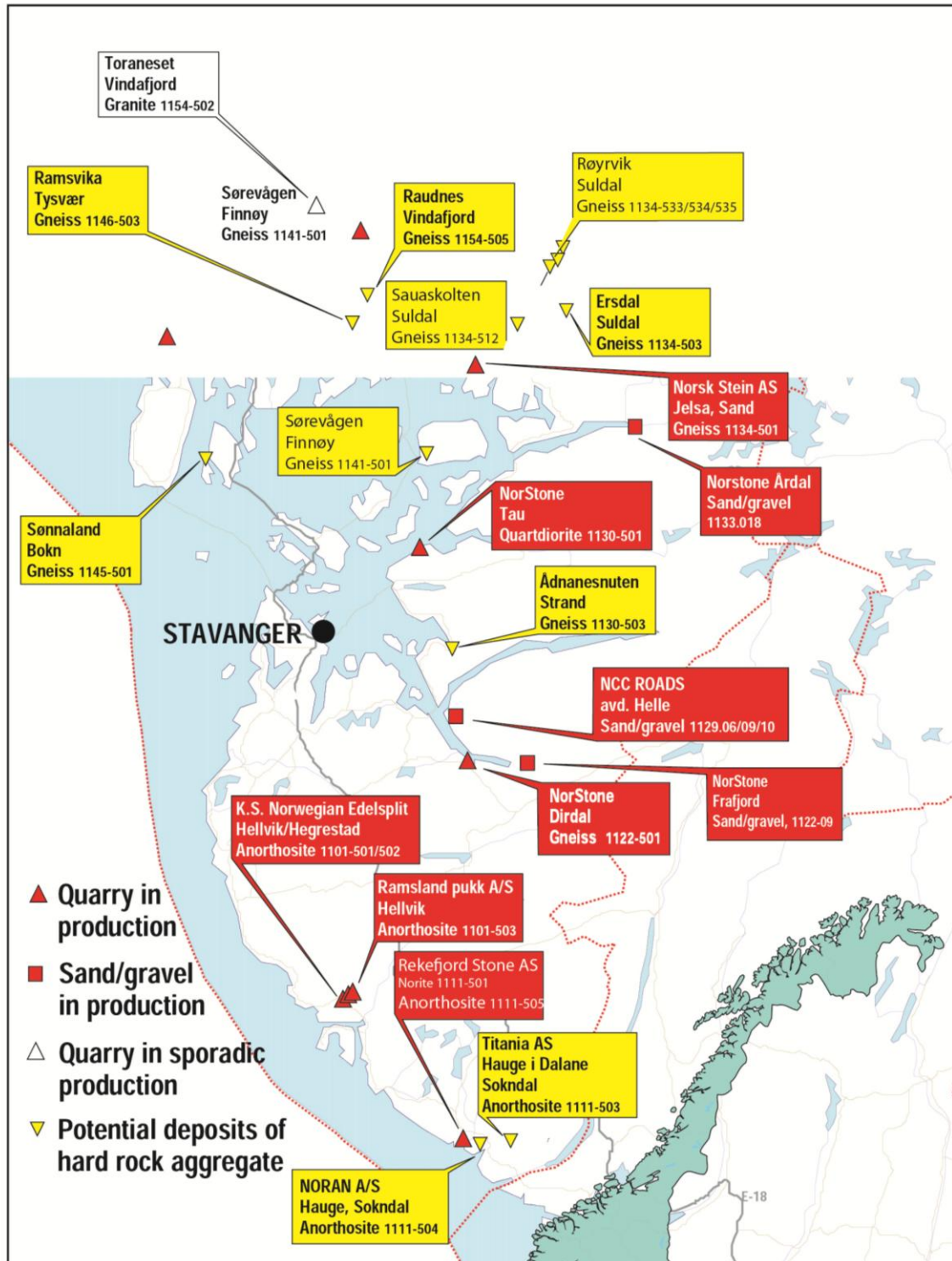
QUARRIES AND POTENTIAL DEPOSITS OF HARD ROCK AGGREGATE IN VEST-AGDER COUNTY



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N-7491 Trondheim, Norway
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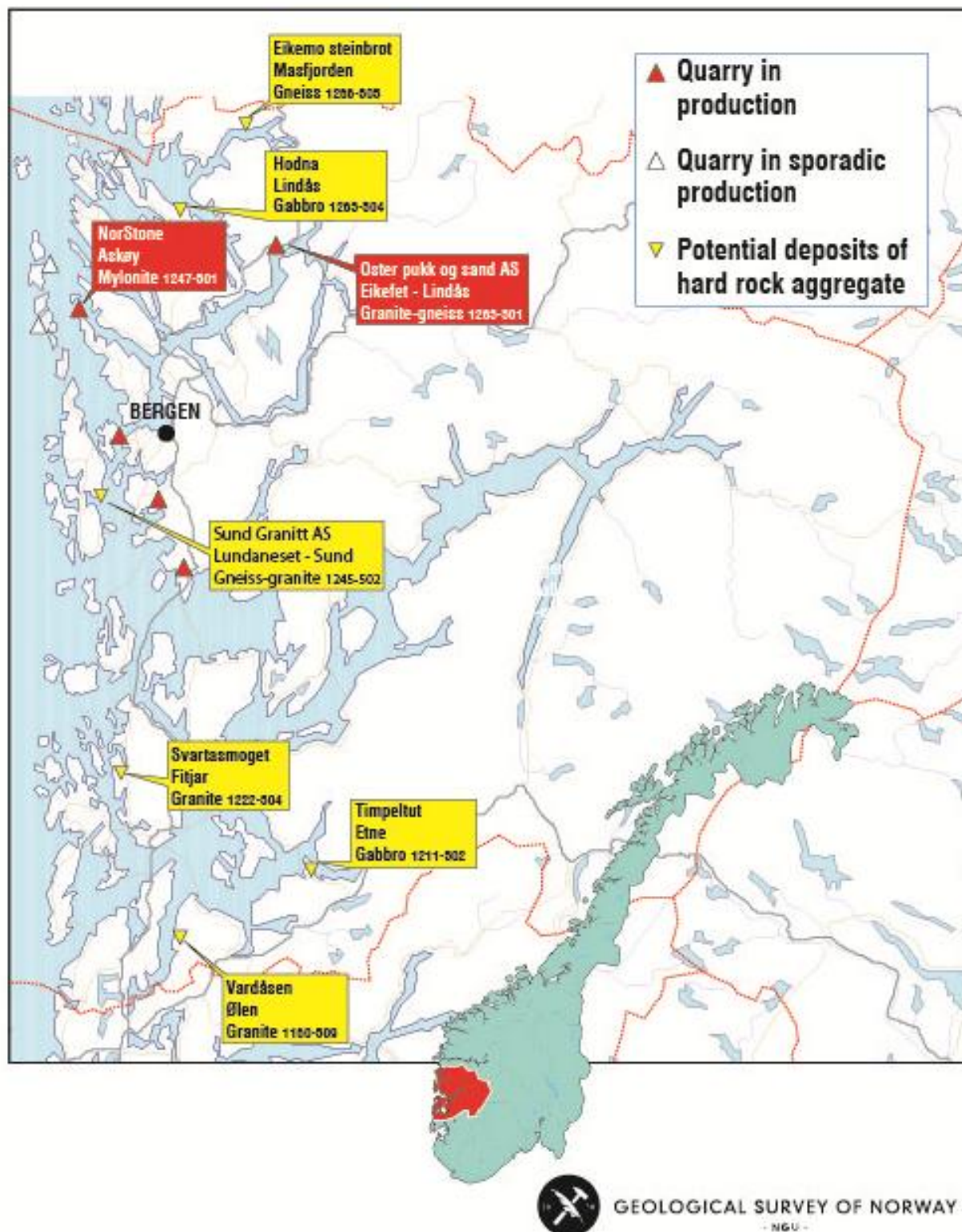
QUARRIES AND POTENTIAL DEPOSITS OF HARD ROCK AGGREGATE IN ROGALAND COUNTY



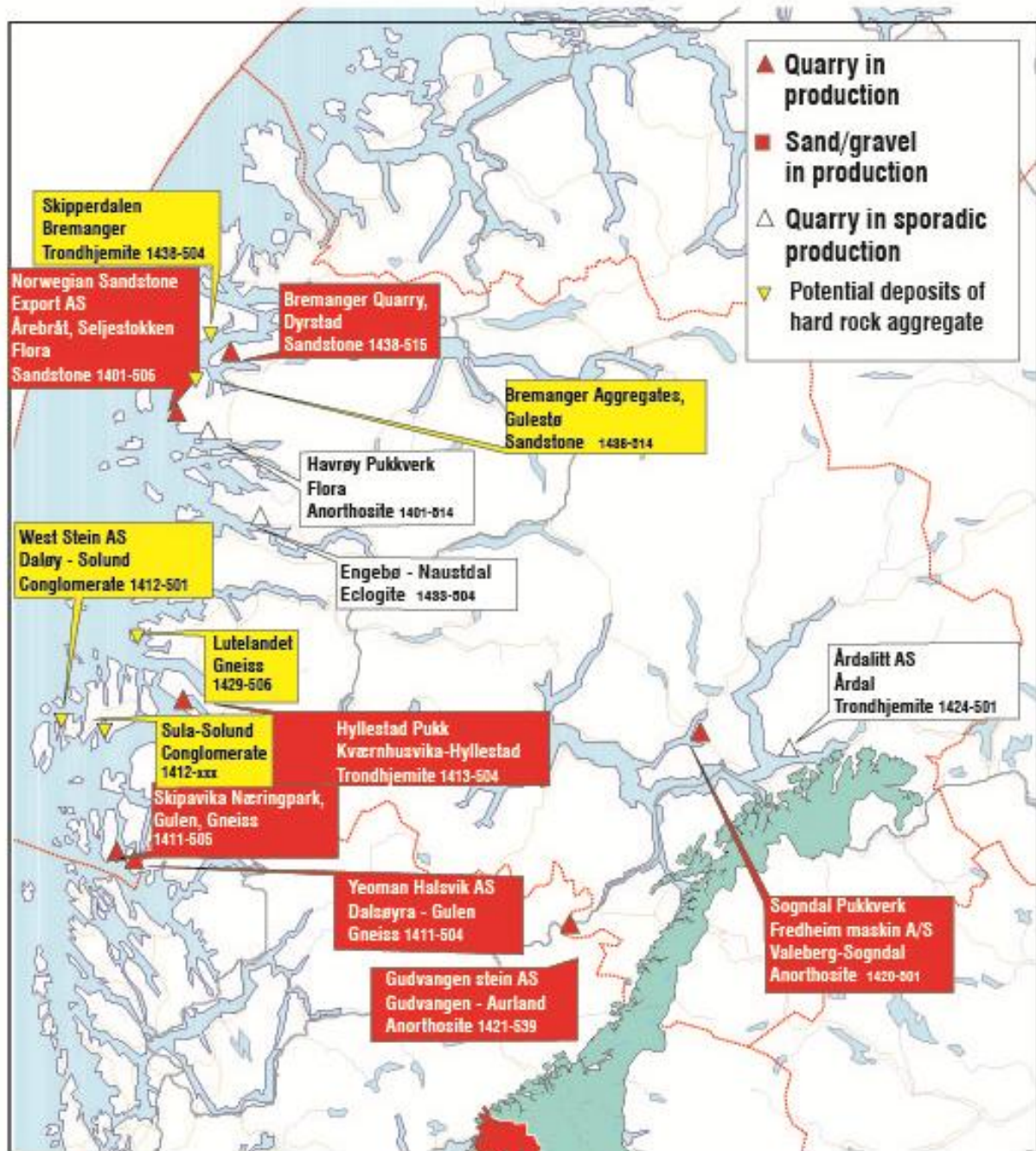
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- NGU -

Geological Survey of Norway
Leiv Eirikssons vei 39
N-7491 Trondheim, Norway
Telephone.: 47 73 90 40 00
Telefax: 47 73 92 16 20

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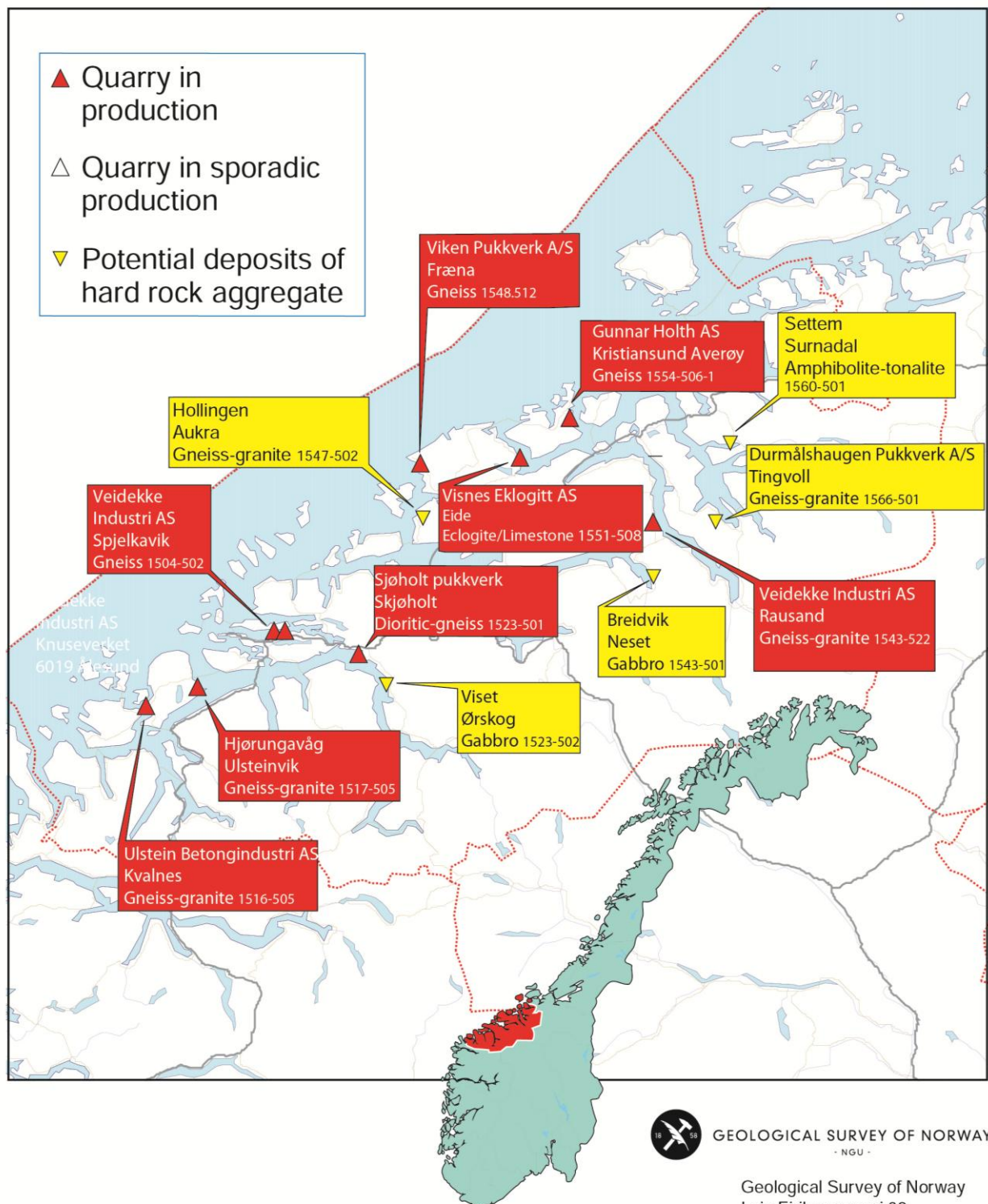
QUARRIES AND POTENTIAL DEPOSITS OF HARD ROCK AGGREGATE IN SOGN OG FJORDANE COUNTY



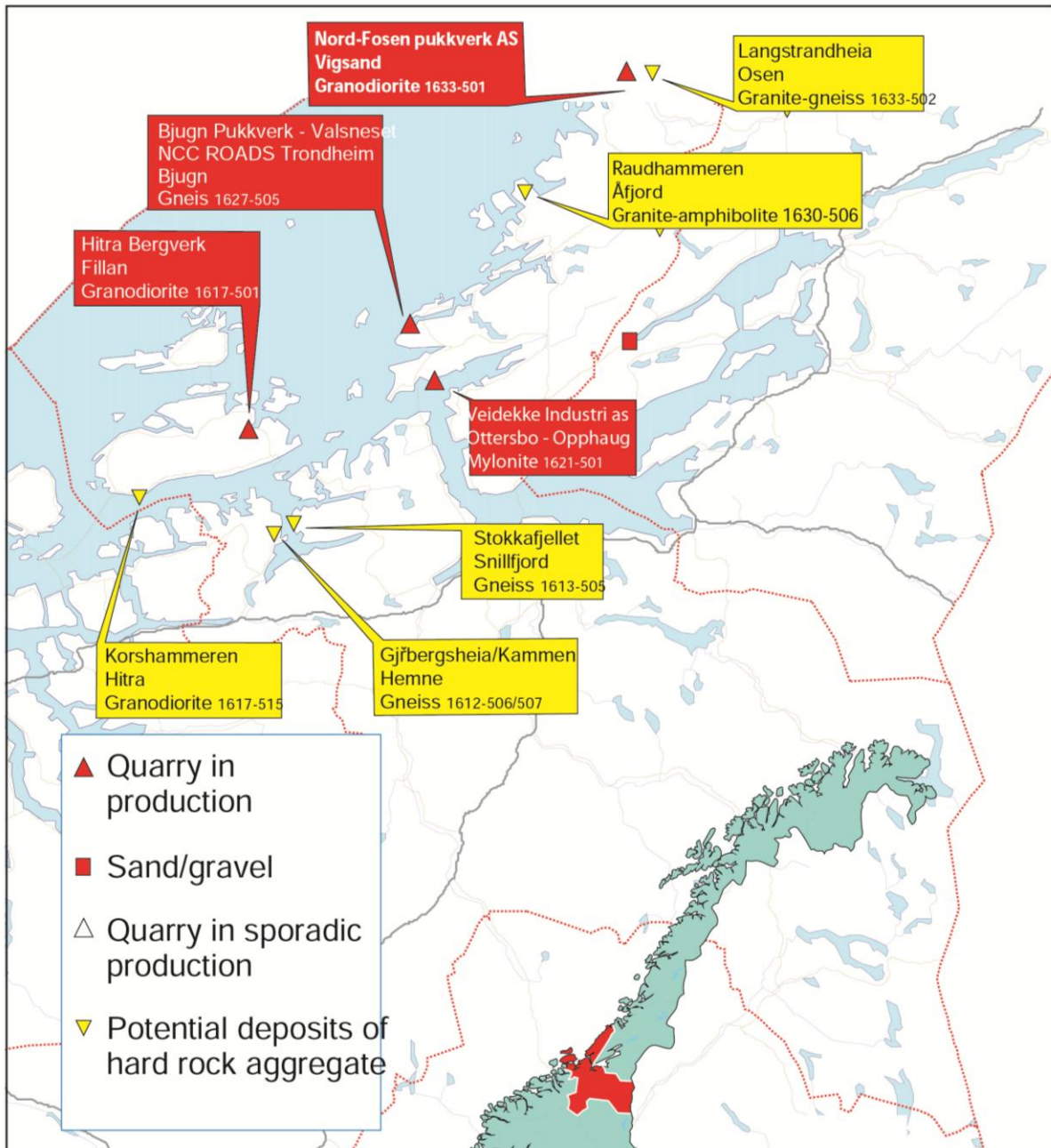
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- NGU -

Geological Survey of Norway
Leiv Eirikssons vei 39
N-7491 Trondheim, Norway
Telephone.: 47 73 90 40 00
Telefax: 47 73 92 16 20

QUARRIES AND POTENTIAL DEPOSITS OF HARD ROCK AGGREGATE IN MØRE OG ROMSDAL COUNTY



QUARRIES AND POTENTIAL DEPOSITS OF HARD ROCK AGGREGATE IN SØR-TRØNDELAG COUNTY



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Geological Survey of Norway
Leiv Eirikssons vei 39
N-7491 Trondheim, Norway
Telephone.: 47 73 90 40 00
Telefax: 47 73 92 16 20



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· NGU ·

Geological Survey of Norway
PO Box 6315, Sluppen
N-7491 Trondheim, Norway

Visitor address
Leiv Eirikssons vei 39
7040 Trondheim

Tel (+ 47) 73 90 40 00
E-mail ngu@ngu.no
Web www.ngu.no/en-gb/