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Lambert conformal conical projection. Standard parallels 54°N and 66°N, centre meridian 19°E. Lat. - 66°N and long. - 19°E correspond to a 4472.976 y = 1000.000.

This map is a product of the Mid-Norden Project, a joint venture (1989 - 1996) between the Geological Surveys of Finland, Norway and Sweden, supported by the Nordic Council of Ministers.

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Biographic reference: Pekala Y., Wik N.-G., Gaunne H., Kauniskangas E. and Marnett M. (1996). Map of Industrial Mineral and Dimension Stone Deposits in Central Fennoscandia. Scale 1 : 1 000 000. Geological Survey of Finland (Espoo), Norway (Trondheim) and Sweden (Göteborg), ISBN 951-096-608-7.

Map processing was carried out by Esa Kauniskangas, Geological Survey of Finland, Espoo.

Digital versions of this map are available from the Geological Surveys of Finland, Norway and Sweden.

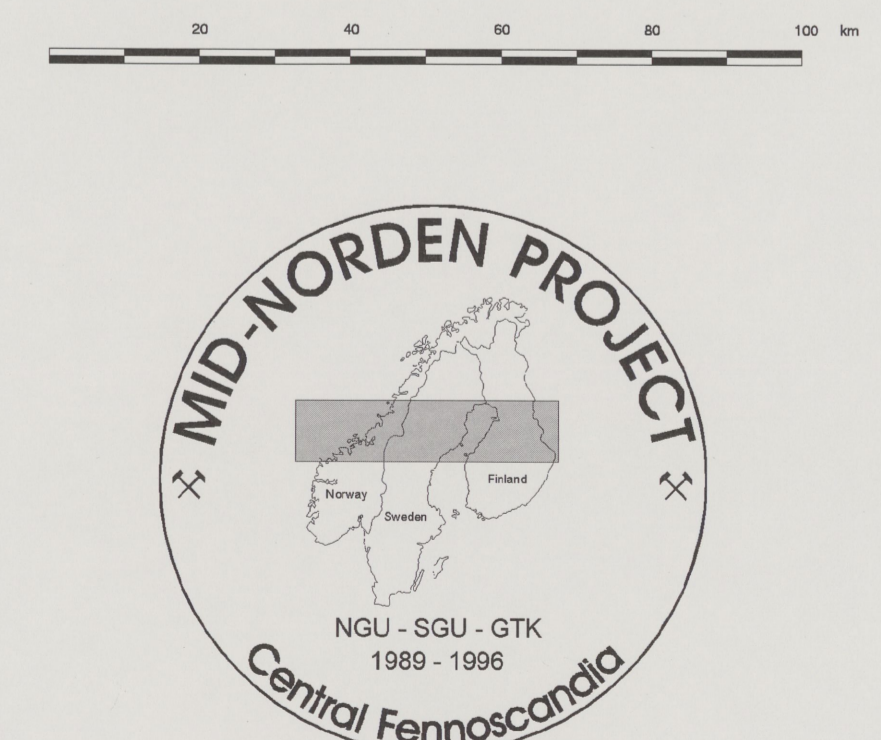
MAP OF INDUSTRIAL MINERAL AND DIMENSION STONE DEPOSITS IN CENTRAL FENNOSCANDIA

Scale 1 : 1 000 000

COMPILED BY THE GEOLOGICAL SURVEYS OF FINLAND, NORWAY AND SWEDEN

MID-NORDEN PROJECT 1996

This map is a result of Nordic collaboration supported by the Nordic Council of Ministers



Geological Survey of Finland, Espoo
 Geological Survey of Norway, Trondheim
 Geological Survey of Sweden, Uppsala

DEPOSITS

- DEPOSITS IN PRODUCTION 1994
- DEPOSITS OF INTEREST

General description

Industrial minerals and rocks are of vital importance, having wide application in many industries. Industrial minerals and rocks such as kaolin, limestone, talc and barite are used as fillers, additives or extenders, giving certain special properties to various products. In many cases industrial minerals and rocks are raw materials for the manufacture of commodities such as cement (limestone, gypsum), ceramics (feldspar, kaolin, wollastonite), fertilizers (apatite), insulating materials (bauxite, quartz), refractory materials (chromite, kyanite, magnesite) and abrasive materials (diamond, garnet).

A single industrial mineral or rock may be used in manufacturing in several industries. Limestone, for example, is most widely used as aggregates and in the manufacture of cement and lime (CaO). Limestone also finds significant applications as a fluxing and strengthening material in glass and ceramics, and is widely used in metallurgical industries (both ferrous and nonferrous) and in agriculture. Pure, finely ground limestone is an important filler and coating material for the paper industry. Lime (CaO) is used in chemical and metallurgical industries and in environmental and water purification applications.

Dimension stone is defined as a natural stone cut to specified shape and size with mechanically dressed surfaces. In commercial use dimension stones are classified as granites, marbles, sandstones, schists and soapstones. Major applications of dimension stone are indoor and outdoor cladding, flooring and monuments. Dimension stones are traditionally used because of their natural beauty, strength and durability, and for this reason granite in particular is nowadays used more and more extensively in building exteriors. Some stones such as soapstones have other special properties, which make them highly suitable for fireplaces and ovens.

This map presents a selected number of industrial mineral and rock deposits in the Mid-Norden area that are of interest because of their size, quality and/or location.

The data is available in digital form from the Geological Surveys of Finland, Norway and Sweden.

NORWAY

No	Lo/La* DEPOSIT NAME	CONTENT	No	Lo/La* DEPOSIT NAME	CONTENT		
100	1096	ANDALÉN	GABBRO	165	818	STOLHAMN	SERPENTINITE
101	1154	ANDALÉN	GREISSE	167	818	SUNAN	LIMESTONE
102	1094	BAUSTAD	LIMESTONE	168	1466	SUSSEAL	SCHIST
103	1356	BURNHAGA	QUARTZ	169	2084	SULLBRANNAN	GRANITE
104	1395	BURNHAGA	SOAPSTONE	170	2084	SULLBRANNAN	SERPENTINITE
105	1394	BURNHAGA	MARBLE	171	2084	SULLBRANNAN	QUARTZ
106	1093	BRATTEK	SOAPSTONE	182	7163	TYVERHJELLET	SOAPSTONE
107	1396	BREKKEVIA	QUARTZ	183	1194	TAVTVERN	LIMESTONE
108	1434	DALHEKKEN	SCHIST	184	1014	TRONDHJEM	LIMESTONE
109	1095	DETT	SCHIST	185	1096	TURSTRANDEN	SCHIST
110	1295	ELISBERG	LIMESTONE	186	1096	VIKELSTAD	GRANITE
111	1162	EVJEN	QUARTZ	187	1096	VINDÅSEN	QUARTZ
112	1394	FJELLSET	LIMESTONE	188	1096	VINDÅSEN	LIMESTONE
113	1394	FOLVANGEN	LIMESTONE	189	1498	VINDÅSEN	QUARTZ
114	1394	FOLVANGEN	GRANITE	190	418	VITDAL	GABBRO
115	1394	FOLVANGEN	QUARTZ	191	1498	VINDÅSEN	QUARTZ
116	1095	GLITREF	LIMESTONE	192	1194	YTERBY	QUARTZ
117	1396	GRANSEN	LIMESTONE	193	1094	ÅREMNESSET	SCHIST
118	1495	GRYTEVILLA	SCHIST	194	1094	ÅREMNESSET	SCHIST
119	1495	GRYTEVILLA	SCHIST	195	1094	ÅREMNESSET	SCHIST
120	1394	GRINA	LIMESTONE	196	1094	ÅREMNESSET	SCHIST
121	1394	GRINA	LIMESTONE	197	1094	ÅREMNESSET	SCHIST
122	1094	HALLSBERGSDALEN	LIMESTONE	198	1094	ÅREMNESSET	SCHIST
123	1094	HALLSBERGSDALEN	LIMESTONE	199	1094	ÅREMNESSET	SCHIST
124	1194	HOLAN	LIMESTONE	200	1194	YTERBY	QUARTZ
125	1395	HOLMESTAD	LIMESTONE	201	1194	YTERBY	QUARTZ
126	1194	HOLAN	LIMESTONE	202	1194	YTERBY	QUARTZ
127	1095	HOLMESTAD	LIMESTONE	203	1194	YTERBY	QUARTZ
128	1194	HOLAN	LIMESTONE	204	1194	YTERBY	QUARTZ
129	1095	HOLMESTAD	LIMESTONE	205	1194	YTERBY	QUARTZ
130	1194	HOLAN	LIMESTONE	206	1194	YTERBY	QUARTZ
131	1095	HOLMESTAD	LIMESTONE	207	1194	YTERBY	QUARTZ
132	1194	HOLAN	LIMESTONE	208	1194	YTERBY	QUARTZ
133	1095	HOLMESTAD	LIMESTONE	209	1194	YTERBY	QUARTZ
134	1495	HVALBU	SOAPSTONE	210	1194	YTERBY	QUARTZ
135	1193	KILBERGSDALEN	SCHIST	211	1194	YTERBY	QUARTZ
136	1394	KINNARÅSEN	LIMESTONE	212	1194	YTERBY	QUARTZ
137	1194	KURPVATNET	LIMESTONE	213	1194	YTERBY	QUARTZ
138	1194	KURPVATNET	LIMESTONE	214	1194	YTERBY	QUARTZ
139	1194	KURPVATNET	LIMESTONE	215	1194	YTERBY	QUARTZ
140	1395	KURPVATNET	LIMESTONE	216	1194	YTERBY	QUARTZ
141	1394	KURPVATNET	LIMESTONE	217	1194	YTERBY	QUARTZ
142	1395	KURPVATNET	LIMESTONE	218	1194	YTERBY	QUARTZ
143	1395	KURPVATNET	LIMESTONE	219	1194	YTERBY	QUARTZ
144	1394	KURPVATNET	LIMESTONE	220	1194	YTERBY	QUARTZ
145	1495	KYVED	SCHIST	221	1194	YTERBY	QUARTZ
146	1394	KYVED	SCHIST	222	1194	YTERBY	QUARTZ
147	1394	KYVED	SCHIST	223	1194	YTERBY	QUARTZ
148	1395	LAMPJORDRA	LIMESTONE	224	1194	YTERBY	QUARTZ
149	1395	LAMPJORDRA	LIMESTONE	225	1194	YTERBY	QUARTZ
150	1193	LEIKVÅRA	SERPENTINITE	226	1194	YTERBY	QUARTZ
151	1194	LEIKVÅRA	SERPENTINITE	227	1194	YTERBY	QUARTZ
152	1194	LEIKVÅRA	SERPENTINITE	228	1194	YTERBY	QUARTZ
153	1194	LEIKVÅRA	SERPENTINITE	229	1194	YTERBY	QUARTZ
154	1194	LEIKVÅRA	SERPENTINITE	230	1194	YTERBY	QUARTZ
155	1194	LEIKVÅRA	SERPENTINITE	231	1194	YTERBY	QUARTZ
156	1194	LEIKVÅRA	SERPENTINITE	232	1194	YTERBY	QUARTZ
157	1194	LEIKVÅRA	SERPENTINITE	233	1194	YTERBY	QUARTZ
158	1194	LEIKVÅRA	SERPENTINITE	234	1194	YTERBY	QUARTZ
159	1194	LEIKVÅRA	SERPENTINITE	235	1194	YTERBY	QUARTZ
160	1194	LEIKVÅRA	SERPENTINITE	236	1194	YTERBY	QUARTZ
161	1194	LEIKVÅRA	SERPENTINITE	237	1194	YTERBY	QUARTZ
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163	1194	LEIKVÅRA	SERPENTINITE	239	1194	YTERBY	QUARTZ
164	1194	LEIKVÅRA	SERPENTINITE	240	1194	YTERBY	QUARTZ
165	1194	LEIKVÅRA	SERPENTINITE	241	1194	YTERBY	QUARTZ
166	1194	LEIKVÅRA	SERPENTINITE	242	1194	YTERBY	QUARTZ
167	1194	LEIKVÅRA	SERPENTINITE	243	1194	YTERBY	QUARTZ
168	1194	LEIKVÅRA	SERPENTINITE	244	1194	YTERBY	QUARTZ
169	1194	LEIKVÅRA	SERPENTINITE	245	1194	YTERBY	QUARTZ
170	1194	LEIKVÅRA	SERPENTINITE	246	1194	YTERBY	QUARTZ
171	1194	LEIKVÅRA	SERPENTINITE	247	1194	YTERBY	QUARTZ
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174	1194	LEIKVÅRA	SERPENTINITE	250	1194	YTERBY	QUARTZ
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177	1194	LEIKVÅRA	SERPENTINITE	253	1194	YTERBY	QUARTZ
178	1194	LEIKVÅRA	SERPENTINITE	254	1194	YTERBY	QUARTZ
179	1194	LEIKVÅRA	SERPENTINITE	255	1194	YTERBY	QUARTZ
180	1194	LEIKVÅRA	SERPENTINITE	256	1194	YTERBY	QUARTZ
181	1194	LEIKVÅRA	SERPENTINITE	257	1194	YTERBY	QUARTZ
182	1194	LEIKVÅRA	SERPENTINITE	258	1194	YTERBY	QUARTZ
183	1194	LEIKVÅRA	SERPENTINITE	259	1194	YTERBY	QUARTZ
184	1194	LEIKVÅRA	SERPENTINITE	260	1194	YTERBY	QUARTZ
185	1294	STAVELSET	LIMESTONE	261	1194	YTERBY	QUARTZ
186	1194	STAVELSET	LIMESTONE	262	1194	YTERBY	QUARTZ
187	1194	STAVELSET	LIMESTONE	263	1194	YTERBY	QUARTZ
188	1194	STAVELSET	LIMESTONE	264	1194	YTERBY	QUARTZ
189	1194	STAVELSET	LIMESTONE	265	1194	YTERBY	QUARTZ
190	1194	STAVELSET	LIMESTONE	266	1194	YTERBY	QUARTZ
191	1194	STAVELSET	LIMESTONE	267	1194	YTERBY	QUARTZ
192	1194	STAVELSET	LIMESTONE	268	1194	YTERBY	QUARTZ
193	1194	STAVELSET	LIMESTONE	269	1194	YTERBY	QUARTZ
194	1194	STAVELSET	LIMESTONE	270	1194	YTERBY	QUARTZ
195	1194	STAVELSET	LIMESTONE	271	1194	YTERBY	QUARTZ
196	1194	STAVELSET	LIMESTONE	272	1194	YTERBY	QUARTZ
197	1194	STAVELSET	LIMESTONE	273	1194	YTERBY	QUARTZ
198	1194	STAVELSET	LIMESTONE	274	1194	YTERBY	QUARTZ
199	1194	STAVELSET	LIMESTONE	275	1194	YTERBY	QUARTZ
200	1194	STAVELSET	LIMESTONE	276	1194	YTERBY	QUARTZ
201	1194	STAVELSET	LIMESTONE	277	1194	YTERBY	QUARTZ
202	1194	STAVELSET	LIMESTONE	278	1194	YTERBY	QUARTZ
203	1194	STAVELSET	LIMESTONE	279	1194	YTERBY	QUARTZ
204	1194	STAVELSET	LIMESTONE	280	1194	YTERBY	QUARTZ
205	1194	STAVELSET	LIMESTONE	281	1194	YTERBY	QUARTZ
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217	1194	STAVELSET	LIMESTONE	293	1194	YTERBY	QUARTZ
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220	1194	STAVELSET	LIMESTONE	296	1194	YTERBY	QUARTZ
221	1194	STAVELSET	LIMESTONE	297	1194	YTERBY	QUARTZ
222	1194	STAVELSET	LIMESTONE	298	1194	YTERBY	QUARTZ
223	1194	STAVELSET	LIMESTONE	299	1194	YTERBY	QUARTZ
224	1194	STAVELSET	LIMESTONE	300	1194	YTERBY	QUARTZ

SWEDEN

No	Lo/La* DEPOSIT NAME	CONTENT	No	Lo/La* DEPOSIT NAME	CONTENT		
300	1663	ÅBERGSKILLET	QUARTZ	385	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
301	1664	ÅBERGSKILLET	QUARTZ	386	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
302	1664	ÅBERGSKILLET	QUARTZ	387	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
303	1664	ÅBERGSKILLET	QUARTZ	388	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
304	1664	ÅBERGSKILLET	QUARTZ	389	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
305	1664	ÅBERGSKILLET	QUARTZ	390	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
306	1664	ÅBERGSKILLET	QUARTZ	391	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
307	1664	ÅBERGSKILLET	QUARTZ	392	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
308	1664	ÅBERGSKILLET	QUARTZ	393	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
309	1664	ÅBERGSKILLET	QUARTZ	394	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
310	1664	ÅBERGSKILLET	QUARTZ	395	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
311	1664	ÅBERGSKILLET	QUARTZ	396	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
312	1664	ÅBERGSKILLET	QUARTZ	397	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
313	1664	ÅBERGSKILLET	QUARTZ	398	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
314	1664	ÅBERGSKILLET	QUARTZ	399	1483	KÄRNGÅRD-SÄVNE	LIMESTONE
315	1664	ÅBERGSKILLET	QUARTZ	400	1483		