



# HOT SPOTS OF THE RUSSIAN NORTH

An updated list of hot spots and estuarine and marine impact zones has been prepared within a special study carried out in the framework of the UNEP/GEF project "Support to the National Programme of Action for the Protection of the Arctic Marine Environment". The list was prepared on a basis of revision of information obtained at the preparatory stage of the project (1999), analysis of hot spot obtained within AMAP/NEFCO study (2003), state and regional reports on environmental protection for recent years (2000-2007) and consultations with regional authorities.

The following parameters were taken into account: proximity to the sea, population at risk, size of affected area, air and water contamination level, hazard categories for mining raw materials, hazards from transportation, degree of degradation of the environment, range of actual and potential effects, and types of primary activities from which the hot spot derived. Overall severity of actual and potential impacts was evaluated using the above parameters.



Comparative analysis among the identified hot spots resulted in a list of 30 priority hot spots

#### Ranked List of Priority Hot Spots in the Russian Arctic

Hot spots	Current impact	Potential impact
NORILSK	38.0	42.0
NICKEL	37.2	41.2
ZAPOLIARNY	37.2	41.2
MONCHEGORSK	31.4	34.4
KAYERKAN	31.0	33.0
VORKUTA	30.4	34.4
MURMANSK	29.2	32.2
TALNAH	27.8	29.8
<i>KOLA BAY</i>	26.8	28.8
ARCHANGELSK	26.2	29.2
PEVEK	26.2	28.2
BILIBINSKY COMPLEX	25.8	27.8
<i>DVINA BAY</i>	25.8	27.8
ANADYR	25.4	27.4
KIROVSK	25.4	27.4
<i>KANDALAKSHA BAY</i>	25.4	27.4
<i>ONEGA BAY</i>	25.4	27.4
<i>OB' BAY</i>	25.2	27.2
<i>ENISEI BAY</i>	25.2	27.2
<i>PECHORA BAY</i>	24.4	26.4
OLENEGORSK	24.4	26.4
KOLA	24.2	25.2
URENGOI DEPOSIT	24.0	26.0
KANDALAKSHA	23.8	25.8
SOLOMBALA	23.8	25.8
KORIAZHMA	23.8	25.8
DUDINKA	23.8	25.8
SEVERODVINSK	23.6	25.6
YAMBURG DEPOSIT	23.4	25.4
INTA	23.2	25.2

Yellow color: Western Arctic;  
 Green color: Central Arctic;  
 Blue color: Eastern Arctic;  
 Italics: marine waters

Pre-investment studies for priority hot spots are in the process of implementation.

For additional information please visit database on hot spots of the Russian Arctic at [http://www.npa-arctic.ru/rus/hs/hs\\_list\\_ru.html](http://www.npa-arctic.ru/rus/hs/hs_list_ru.html) or contact project office (Ivan Senchenya, project manager, [Senchenya@npaf.ru](mailto:Senchenya@npaf.ru))