INDEX TO THE
MINNESOTA REGIONAL COPPER-NICKEL STUDY

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INTRODUCTION

The Minnesota Regional Copper-Nickel Study is a comprehensive examination of the potential cumulative environmental, social and economic impacts of copper-nickel development in northeastern Minnesota. It was conducted from 1976 through 1978 by a special study team assembled by the Minnesota Environmental Quality Board. Funding for the study was provided by the Legislative Commission on Minnesota Resources.

This index is intended to be a guide to this wide-ranging and detailed study, which encompasses approximately 3,790 pages in 5 volumes totalling 36 chapters. The index is detailed and comprehensive. Efforts have been made to standardize terminology where this is possible, and there are liberal cross-references. The reader also is encouraged to make use of the tables of contents included in each of the chapters, since these show more readily the hierarchical organization of the subject areas covered in the study.

Each chapter of volumes 2-5 was published separately, with separate paging. For this reason each index entry refers to both volume and chapter, as well as page.
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ABBREVIATIONS

ACE  allowable cut effect
ACGIH  American Conference of Governmental Industrial Hygienists
ADT  average daily traffic
ANFO  Ammonium nitrate fuel oil
BLM  Bureau of Land Management
CDM  Climatological Dispersion Model
CEU  copper equivalent units
CIPEC  Intergovernmental Council of Copper Exporting Countries
COMEX  New York Commodity Exchange
CPOM  coarse particles of organic matter
CSAH  County State Aid Highways
CSI  Calcite saturation index
CTC  centralized traffic control
dBA  decibels, adjusted
dcf or  discounted cash flow rate of return
DMA  Dimethylaniline
DO  dissolved oxygen
EDS  X-ray spectroscopy
ELA  Experimental Lakes Area (in northwestern Ontario)
FPOM  fine particles of organic matter
Hz  hertz
KAX  Potassium amyl xanthate
KVA  Kilovolt-ampere
LHD units  Load-haul-dump units
LME  London Metal Exchange
M mesh (refers to Tyler mesh size)
MCL Maximum contaminant level
MDH Minnesota Department of Health
MDNR Minnesota Department of Natural Resources
MGS Minnesota Geological Survey
MIBC methyl isobutyl carbinol
MRRC Minnesota Mineral Resources Research Center
MSHA Mine Safety and Health Administration
MTPY metric tons per year
NAA neutron activation analysis
NCFES North Central Forest Experiment Station
NIOSH National Institute of Occupational Safety and Health
NSPS new source performance standards
ORTRAN Superior Coal Transshipment Facility
PSD Prevention of Significant Deterioration
RARE Roadless area review and evaluation
RIM Recreation Information Management
RNA Research Natural Area
RQD rock quality designation
SAF Society of American Foresters
SCORP State Comprehensive Outdoor Recreation Plan
SCS Soil Conservation Service
SIP State implementation plan
SKRSA South Kawishiwi River Special Area
SNF Superior National Forest
TBRC top-blown rotary converter
TDS total dissolved solids
TEM Texas Episodic Model
TEM transmission electron microscopy
TH trunk highways
TLV threshold limit value
TOC total organic carbon
TSI trophic state index
TSP total suspended particulates
TSS total suspended solids
UPL ultimate pit limit