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INDEX TO THE
MINNESOTA REGIONAL COPPER-NICKEL STUDY

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CONTENTS

	<u>Page</u>
Introduction	i
Report Organization	ii
Subject Index	1
Author Index	68
Abbreviations	72

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.

MINNESOTA REGIONAL COPPER-NICKEL STUDY

Report Organization

Volume 1 - Executive Summary

- Chapter 1 Historical Perspective
- Chapter 2 Study Goals and Objectives
- Chapter 3 Study Area and Mineral Resources
- Chapter 4 Copper-Nickel Alternatives
- Chapter 5 Environmental, Economics, Social, and Fiscal Impacts Issues
- Chapter 6 Major Trade Off Areas
- Chapter 7 Report Organization and Study Documentation (Appendix)

Volume 2 - Technical Assessment

- Chapter 1 Exploration
- Chapter 2 Mineral Extraction (Mining)
- Chapter 3 Mineral Processing
- Chapter 4 Smelting and Refining
- Chapter 5 Integrated Development Models

Volume 3 - Physical Environment

- Chapter 1 Geology and Mineralogy
- Chapter 2 Mineral Resources Potential
- Chapter 3 Air Resources
- Chapter 4 Water Resources
- Chapter 5 Noise

Volume 4 - Biological Environment

- Chapter 1 Aquatic Biology
- Chapter 2 Terrestrial Biology

Volume 5 - Human Environment

- Chapter 1 Human Populations
- Chapter 2 Public Health
- Chapter 3 Land Use Overview
- Chapter 4 Lands and Minerals Ownership
- Chapter 5 Mine Lands
- Chapter 6 Forest Lands and the Forest Products Industry
- Chapter 7 Residential Settlement Patterns
- Chapter 8 Transportation
- Chapter 9 Outdoor Recreation
- Chapter 10 Natural, Scientific, and Historical Areas
- Chapter 11 Regional Energy Systems
- Chapter 12 Government Taxes and Aids
- Chapter 13 Community Services, Costs and Revenue Projections
- Chapter 14 Characteristics of the Mineral Industry: Copper, Nickel, Cobalt
- Chapter 15 Regional Economics
- Chapter 16 Local Economic Analysis: A Case Study of Ely
- Chapter 17 State Mineral Policy and Copper-Nickel Mining Profitability

SUBJECT INDEX

A -

- Accidents, v. 5, ch. 2, pp. 46-49.
 chemical spills, v. 5, ch. 8, p. 22.
 rates, v. 5, ch. 2, pp. 5-6.
- Acid mist, v. 2, ch. 4, pp. 70-71.
- Acid plants, see Sulfuric acid plants.
- Acid precipitation, v. 1, ch. 5, pp. 41-44; v. 3, ch. 4, pp. 13, 76-87; v. 4, ch. 1, pp. 82, 83.
 average pH of rain, v. 5, ch. 9, p. 19, figure 13.
 effect on natural and scientific areas, v. 5, ch. 10, p. 18.
 effect on recreation, v. 5, ch. 9, pp. 17, 19-20.
 effect on terrestrial ecosystems, v. 4, ch. 2, pp. 150-152.
 effect on vegetation, v. 4, ch. 2, table 25.
- Acidity,
 and buffering of surface water, v. 3, ch. 4, pp. 57-60.
 of surface water, v. 4, ch. 1, pp. 81-87.
- Acids, organic,
 effect on leaching, v. 3, ch. 4, p. 154.
- Actinolite,
 fibers, v. 3, ch. 2, pp. 60-61.
- Actinolite-tremolite, v. 3, ch. 1, p. 68.
 asbestiform variety, v. 3, ch. 3, p. 106.
- Adiabatic process, v. 2, ch. 4, pp. 21-22.
- Age structure,
 of human populations, v. 5, ch. 1, pp. 5-6, table 2.
- Agricola. De Re Metallica, v. 4, ch. 2, pp. 1-2.
- Agriculture,
 land cover, v. 5, ch. 3, pp. 8-9.
 land cover - year 2000, v. 5, ch. 3, pp. 21-22.
- Air, v. 3, ch. 3.
- Air emissions, v. 2, ch. 4, pp. 65-66, 69-141; see also Nitrogen oxides; Particulates; Sulfur dioxides.
 control devices, v. 2, ch. 4, pp. 85-124.
 ambient vs. occupational environment, v. 2, ch. 4, pp. 107-108.
 effect on water quality, v. 3, ch. 4, pp. 75-87.
 fugitive, v. 2, ch. 4, pp. 132-141, table 30.
 gaseous fugitives, v. 2, ch. 4, pp. 133-134.
 long range models, v. 3, ch. 3, pp. 26-31.
 mesoscale modified gaussian model, v. 3, ch. 3, pp. 26-31.
 model variables, v. 2, ch. 5, p. 30.
 models, v. 2, ch. 4, pp. 82-84.
 accuracy, v. 3, ch. 3, p. 26.
 particulate fugitives, v. 2, ch. 4, pp. 135-141.
 from refinery, v. 2, ch. 4, pp. 69-71.
 short range models, v. 3, ch. 3, pp. 23-26.
 from smelter, v. 2, ch. 4, pp. 71-84.
 control devices for weak gas streams, v. 2, ch. 4, pp. 105-124.
 effect of upset conditions, v. 2, ch. 4, pp. 96-97. 94-96
 minor and trace element emissions, v. 2, ch. 4, pp. 124-132.
 models, v. 2, ch. 4, pp. 121-123.

Air emissions (continued)

- source simulation models, v. 3, ch. 3, pp. 11-13, 21-23, 146-175.
- sources, by type of operation, v. 2, ch. 4, table 9.
- State Implementation Plan (SIP), v. 3, ch. 3, p. 32.
- upset conditions,
 - weak gas streams, v. 2, ch. 4, p. 124.
 - variables for models, v. 2, ch. 5, pp. 29-30.

Air pollution,

- classes of effects on forested ecosystems, v. 4, ch. 2, p. 135.
- effect on terrestrial ecosystems, v. 4, ch. 2, p. 10, 135-158.
- mitigation and reclamation, v. 4, ch. 2, pp. 157-158.
- susceptibility of different development zones, v. 4, ch. 2, pp. 152-157

Air quality, v. 1, ch. 5, pp. 34-36.

- atmospheric stability and mixing, v. 3, ch. 3, pp. 62-63.
- effect on forest products industry, v. 5, ch. 6, pp. 27-28.
- effect on natural and scientific areas, v. 5, ch. 10, pp. 15-19.
- effect on recreation, v. 5, ch. 9, pp. 15-17.
- guidelines for human health, v. 5, ch. 2, table 20.
- impact analysis for particulates, v. 3, ch. 3, pp. 213-229.
- impact analysis for sulfur dioxide, v. 3, ch. 3, pp. 175-212.
- impacts of increased traffic, v. 5, ch. 8, p. 22.
- influence of Lake Superior, v. 3, ch. 3, pp. 80-81, 204-207.
- models, v. 3, ch. 3, pp. 13-17.
- new source performance standards (NSPS), v. 3, ch. 3, p. 37.
- prevention of significant deterioration (PSD), v. 3, ch. 3, pp. 32-36.
- standards, v. 5, ch. 2, pp. 21-22, table 20.
- summary, v. 3, ch. 3, pp. 7-11.

Air quality regulations,

- ambient standards, v. 3, ch. 3, pp. 31-36; 179-180, 182.
- emission standards, v. 3, ch. 3, pp. 36-37.
- standards for particulates, v. 3, ch. 3, pp. 106-107, 124-127.
- sulfur dioxide, v. 3, ch. 3, pp. 88-93.

Air Quality Study Region, v. 1, ch. 3, p. 6; v. 3, ch. 3, pp. 18-19.

Alder, black (Ilex verticellata), v. 4, ch. 2, p. 46.

Alder, speckled (Alnus rugosa), v. 4, ch. 2, pp. 39, 46.

Alder carrs, see Carr, alder.

Algae, see Phytoplankton.

Algonan orogeny, v. 3, ch. 1, p. 7.

Alkalinity, of surface water, v. 3, ch. 4, pp. 57-58.

Alloys,

- use of copper and nickel, v. 5, ch. 14, p. 6.

Alton Lock and Dam 26, v. 5, ch. 8, p. 12.

Alumina,

- use in smelting, v. 2, ch. 4, pp. 16-17, 19.

Aluminum,

- toxicity to vegetation, v. 4, ch. 2, p. 151.

AMAX,

- bulk samples, v. 2, ch. 1, p. 20.
- exploration in zone 4, v. 2, ch. 1, p. 10.
- exploration on Bear Creek leases, v. 5, ch. 4, pp. 20, 21.
- land holdings, v. 3, ch. 1, p. 48.
- mineral lease, v. 2, ch. 1, p. 7.
- Minnesota surface lease, v. 5, ch. 4, p. 21.
- operating plans, v. 5, ch. 5, pp. 20-21.
- proposed capacity of operation, v. 2, ch. 5, p. 4.

- Ambulance services, v. 5, ch. 2, p. 33.
- American Conference of Governmental Industrial Hygienists,
v. 5, ch. 2, p. 14.
- American Metals Climax, see AMAX.
- American Shield Corporation,
mineral lease, v. 2, ch. 1, p. 7.
Minnesota mineral lease, v. 5, ch. 4, p. 20.
- Ammonia scrubbing systems, v. 2, ch. 4, pp. 111-113.
operating problems, v. 2, ch. 4, p. 113.
- Ammonium nitrate - fuel oil, v. 2, ch. 2, pp. 10, 15.
- Amoco,
Minnesota pipeline, v. 5, ch. 11, p. 9.
- Amphibole, v. 3, ch. 1, pp. 65-66, figure 30; pp. 68-69.
- Amphibole fibers, see Fibers.
- Anemone, wood (Anemone quinquefolia), v. 4, ch. 2, p. 68.
- Anorthite,
from tailings, v. 2, ch. 3, p. 88.
- Anorthositic series, v. 3, ch. 1, pp. 11, 41-43.
- Anthophyllite, v. 3, ch. 1, p. 68; v. 3, ch. 3, p. 140.
- Aquatic biology, v. 4, ch. 1.
- Aquatic biota,
changes due to stress, v. 4, ch. 1, pp. 50-51.
diversity of communities, v. 4, ch. 1, pp. 51-52.
impacts of loss of terrestrial vegetation, v. 4, ch. 1, pp. 103-105.
recolonization, v. 4, ch. 1, pp. 53-55.
response to acidity, v. 4, ch. 1, pp. 83-84.
species composition, v. 4, ch. 1, p. 51.
- Aquatic ecosystems,
effect of acid precipitation, v. 4, ch. 1, pp. 84-85.
effect of physical changes, v. 4, ch. 1, pp. 87-105.
impact assessment, v. 4, ch. 1, pp. 49-60.
impact of metals pollution, v. 4, ch. 1, pp. 77-80.
of lakes, v. 4, ch. 1, pp. 26-43.
of streams, v. 4, ch. 1, pp. 11-26.
recovery from stress, v. 4, ch. 1, p. 52.
sensitivity, v. 4, ch. 1, pp. 45-49.
seasonal variation, v. 4, ch. 1, pp. 48-49.
"significant impact," v. 4, ch. 1, pp. 52-54.
type of stress, v. 4, ch. 1, pp. 55-109.
- Aquatic plants, see Macrophytes.
- Aquifers, v. 3, ch. 4, pp. 44-46.
- Archeological sites, v. 5, ch. 10, pp. 3-4, table 1.
- Arethuse (Arethusa bulbosa), v. 4, ch. 2, pp. 45, 52.
- Arizona,
tax revenues over life of mine, v. 5, ch. 17, appendix C.
taxation of mineral industries, v. 5, ch. 17, pp. 51-57, appendix A.
- Arsenic,
effect on health, v. 5, ch. 2, pp. 7, 50-53, 67-68.
elevated levels in children, v. 5, ch. 2, pp. 38-39.
emissions from smelter, v. 2, ch. 4, p. 129.
in smelter gas streams, v. 3, ch. 3, p. 160, table 68.
NIOSH occupational standard for exposure, v. 5, ch. 2, p. 50.
toxicity, v. 2, ch. 4, p. 13; v. 5, ch. 2, p. 11.
toxicity to aquatic biota, v. 4, ch. 1, p. 70, figure 34.

- Arsenolite, v. 2, ch. 4, p. 129.
Artesian (confined) aquifers, v. 3, ch. 4, pp. 44-45.
Asbestiform fibers, see Fibers.
Asbestos,
 effect on health, v. 5, ch. 2, pp. 68-72.
Asbestosis, v. 5, ch. 2, pp. 7-8.
Ash, black (Fraxinus nigra), v. 4, ch. 2, pp. 39, 54-56.
Ash, mountain (Sorbus americana), v. 4, ch. 2, pp. 56, 75.
Aspect ratio, v. 3, ch. 1, pp. 67, 68.
Aspen,
 commercial use, v. 5, ch. 6, p. 12.
Aspen, trembling (Populus tremuloides), v. 4, ch. 2, pp. 39, 68-75.
Aster, fringed blue (Aster ciliolatus), v. 4, ch. 2, p. 68.
Aster, large-leaved (Aster macrophyllus), v. 4, ch. 2, pp. 57, 59, 63,
 68, 72, 75.
Aster, swamp blue (Aster puniceus), v. 4, ch. 2, p. 55.
Atikokan generating station,
 effect on particulate concentrations, v. 3, ch. 3, p. 124.
 projected sulfur dioxide emissions, v. 3, ch. 3, pp. 83-84,
 89-90.
Atmospheric stability and mixing, v. 3, ch. 3, pp. 62-64.
Aurora (community),
 economic importance of iron ore mining, v. 5, ch. 5, p. 10.
 projected city expenditures with copper-nickel development,
 v. 5, ch. 13, pp. 30-31.
 residential settlement, v. 5, ch. 7, pp. 16, 17.
 residential settlement type, v. 5, ch. 7, p. 7.
Autogenous mills, see Grinding mills.

B -

- Babbitt (community),
 economic importance of iron ore mining, v. 5, ch. 5, p. 10.
 projected city expenditures with copper-nickel development,
 v. 5, ch. 13, p. 28.
 residential settlement, v. 5, ch. 7, p. 14.
 residential settlement type, v. 5, ch. 7, p. 7.
 "taconite town," v. 5, ch. 7, p. 10; v. 5, ch. 15, pp. 4-5.
Backfilling, v. 2, ch. 2, pp. 28-30.
 advantages and disadvantages, v. 2, ch. 2, pp. 28-29.
 costs, v. 2, ch. 2, p. 30.
Baghouse,
 for particulate removal, v. 2, ch. 4, pp. 101, 102.
Baird Sale, v. 4, ch. 2, pp. 91, 104.
Ball mills, see Grinding mills.
Base industry,
 definition, v. 5, ch. 15, p. 20.
Bass-Dry Lakes National Natural Landmark (proposed), v. 5, ch. 10,
 p. 6.
Basswood, (Tilia americana), v. 4, ch. 2, pp. 68-69.
Bear, black (Ursus americanus), v. 4, ch. 2, pp. 28, 61, 86-87.
Bear Creek Mining Co.,
 mineral lease, v. 2, ch. 1, p. 7.

- Bear Creek Mining Co. (continued)
Minnesota mineral lease, v. 5, ch. 4, p. 20.
Special Use Permit in SNF, v. 5, ch. 4, p. 19.
surface exploration in Gunflint area, v. 2, ch. 1, p. 6.
- Bear Island Lake,
lakeshore development, v. 5, ch. 7, p. 11.
- Bearhead State Park, v. 5, ch. 10, p. 7.
- Beaver (Castor canadensis), v. 4, ch. 2, pp. 28, 43, 84.
- Bedrock geology, v. 3, ch. 1, pp. 40-70.
- Bedstraw, sweet (Galium triflorum), v. 4, ch. 2, p. 72.
- Bench and lift method, v. 2, ch. 2, p. 53, figure 18.
- Beneficiation, v. 2, ch. 3, p. 2.
reagents,
effect on aquatic biology, v. 4, ch. 1, pp. 60-81.
- Benville (community),
residential settlement, v. 5, ch. 7, pp. 14-15.
- Bicarbonate,
in surface water, v. 3, ch. 4, p. 58.
- Birch,
commercial use, v. 5, ch. 6, p. 13.
- Birch, dwarf (Betula pumila), v. 4, ch. 2, p. 48.
- Birch, paper (Betula papyrifera), v. 4, ch. 2, pp. 39, 68-75.
- Birds, see also Game birds; Raptors; Songbirds.
- Birds,
of alder carrs, v. 4, ch. 2, p. 47.
of cedar bogs, v. 4, ch. 2, p. 54.
of conifer mature uplands, v. 4, ch. 2, pp. 63-64.
of deciduous clearcuts, v. 4, ch. 2, p. 70.
of deciduous mature uplands, v. 4, ch. 2, pp. 72-74.
of deciduous regenerating stands, v. 4, ch. 2, p. 71.
disruption of nesting behavior due to noise, v. 4, ch. 2,
pp. 164, 165, 166.
of jack pine clearcuts, v. 4, ch. 2, pp. 59-60.
of jack pine young plantations, v. 4, ch. 2, p. 62.
of mixed deciduous-coniferous uplands, v. 4, ch. 2, pp. 76-77.
seasonal patterns, v. 4, ch. 2, pp. 29-31.
of special interest in Study Area, v. 4, ch. 2, pp. 81-91.
of spruce bogs, v. 4, ch. 2, pp. 50-51.
of tamarack bogs, v. 4, ch. 2, p. 53.
waterfowl, v. 4, ch. 2, pp. 85-86.
- Birth rate, v. 5, ch. 1, p. 8; v. 5, ch. 2, p. 24.
- Biwabik (community),
residential settlement, v. 5, ch. 7, pp. 16, 17.
residential settlement type, v. 5, ch. 7, p. 7.
underlying taconite reserves, v. 5, ch. 5, pp. 14-15.
- Biwabik formation, v. 3, ch. 1, pp. 8, 9.
groundwater, v. 3, ch. 4, p. 7.
permeability, v. 2, ch. 2, p. 39.
- Blasting, v. 3, ch. 2, p. 10, figure 4.
- Blister copper, see Copper, blister.
- Blueberry (Vaccinium augustifolium and Vaccinium myrtilloides),
v. 4, ch. 2, pp. 48, 57, 63.
- Bobcat (Lynx rufus), v. 4, ch. 2, pp. 54, 90.
- Bogs and swamps,
land cover, v. 5, ch. 3, p. 10.

- Bogs and swamps (continued)
land cover - year 2000, v. 5, ch. 3, p. 23.
- Bogs, black spruce, v. 4, ch. 2, pp. 47-51.
- Bogs, cedar, v. 4, ch. 2, pp. 53-54.
- Bogs, heath, v. 4, ch. 2, pp. 44-46.
- Bogs, tamarack, v. 4, ch. 2, pp. 51-53.
- Bond Index, see Grinding, energy requirements.
- "Boom town" phenomenon, v. 5, ch. 13, pp. 10-11.
- Borrow, see Overburden.
- Boundary Waters Canoe Area (BWCA), v. 5, ch. 5, p. 26.
ban on timber removal, v. 4, ch. 2, p. 92; v. 5, ch. 16, p. 8.
impacts of copper-nickel development, v. 1, ch. 5, pp. 69-74.
National Wilderness Area, v. 5, ch. 10, p. 6.
possible effects of waste water, v. 5, ch. 10, pp. 13-15.
protection from mine development, v. 5, ch. 9, p. 14.
tourism industry, v. 5, ch. 15, p. 7.
Wilderness Act, v. 5, ch. 10, p. 6.
- Braun-Blanquet releves, v. 4, ch. 2, p. 37.
- Bridges,
crossing Duluth-Superior harbor, v. 5, ch. 8, p. 11.
- Britt (community),
residential settlement, v. 5, ch. 7, pp. 14, 15.
residential settlement type, v. 5, ch. 7, p. 7.
- Budworm, spruce, v. 4, ch. 2, pp. 79, 104.
- Building permits,
number issued, v. 5, ch. 7, pp. 18-21; figure 4, 5, 6; table
3, 4, 5, 6.
- Bulk flotation, see Flotation.
- Bulk sampling, v. 2, ch. 1, pp. 19-20.
- Bunchberry (Cornus canadensis), v. 4, ch. 2, pp. 48, 57, 63.
- Burlington Northern, Inc. (BN), v. 5, ch. 8, pp. 6, 7, 8, 9.
- Burntside Islands Nature Conservancy Preserve, v. 5, ch. 10, p. 8.
- Burntside Lake,
lakeshore development, v. 5, ch. 7, pp. 11, 12.
- C -
- Caddisflies (Trichoptera), v. 4, ch. 1, p. 18.
- Cadmium,
bio-accumulation, v. 4, ch. 2, pp. 99, 101.
damage to vegetation, v. 4, ch. 2, p. 139.
effect on health, v. 5, ch. 2, p. 8; v. 5, ch. 2, pp. 72-74.
emissions from smelter, v. 2, ch. 4, p. 129; v. 3, ch. 3,
p. 160, table 68.
in soils, v. 3, ch. 1, p. 32.
toxicity, v. 2, ch. 4, p. 13.
toxicity to aquatic biota, v. 4, ch. 1, p. 69, figure 31.
- Calcine, v. 2, ch. 4, p. 16.
- Calcine saturation index (CST), v. 3, ch. 4, pp. 9, 59, table 14, 15.
- Calcium,
in soils, v. 3, ch. 1, p. 30.
in surface water, v. 3, ch. 4, pp. 53-54.
- Calcium-based scrubbing systems, v. 2, ch. 4, pp. 116-120.

- Cancer, v. 5, ch. 2, p. 28.
respiratory, v. 5, ch. 2, p. 38.
arsenic-caused, v. 5, ch. 2, pp. 51-52.
nickel caused, v. 5, ch. 2, pp. 55-56, 57.
- Capacity demand,
for forest products, v. 5, ch. 6, p. 10.
- Capital costs,
effect on defractor, v. 5, ch. 17, pp. 28-34.
estimations, v. 5, ch. 17, p. 29, table 6.
for local government, v. 5, ch. 13, pp. 16, 17, 18.
for mining operation, v. 5, ch. 15, p. 24, figure 5.
for pollution control, v. 5, ch. 17, pp. 30-31, table 7, 8.
for reclamation, v. 5, ch. 17, pp. 32-33.
variables for models, v. 2, ch. 5, pp. 30-32.
by year for integrated mine model, v. 2, ch. 5, table 15.
- Capital facilities,
repayment of cost, v. 5, ch. 13, p. 2.
- Carbinols,
toxicity to aquatic biota, v. 4, ch. 1, p. 72.
- Carbon monoxide,
effect on health, v. 5, ch. 2, pp. 53-54.
- Carnivores,
habitats, v. 4, ch. 2, p. 41.
of special interest in Study Area, v. 4, ch. 2, pp. 87-91.
- Carnivorous plants, v. 4, ch. 2, pp. 44-45.
- Carr, alder, v. 4, ch. 2, pp. 46-47.
- Carr, shrub, v. 4, ch. 2, pp. 44-47.
- Cash flow, see discounted cash flow rate of return.
- Catbird (Dumetella carolinensis), v. 4, ch. 2, p. 47.
- Caving, see Ground support, in underground mining.
- Cedar,
commercial use, v. 5, ch. 6, p. 13.
- Cedar, northern white (Thuja occidentalis), v. 4, ch. 2, pp. 39, 53-54.
- Chalcopyrite, v. 3, ch. 1, p. 59, figure 20.
- Chickadee, black-capped (Parus atricapillus), v. 4, ch. 2, pp. 64, 73, 77.
- Chickadee, boreal (Parus hudsonicus), v. 4, ch. 2, p. 51.
- Chipmunk, eastern (Temias striatus), v. 4, ch. 2, pp. 28, 74, 75.
- Chipmunk, least (Eutamias minimus), v. 4, ch. 2, pp. 28, 54, 60-61, 66, 71.
- Chironomids (Diptera), v. 4, ch. 1, p. 18.
- Chloride,
in surface water, v. 3, ch. 4, p. 54.
in tailing basins, v. 3, ch. 4, p. 173.
in water, v. 3, ch. 4, pp. 24, 188-189.
- Chlorine,
emissions from smelter, v. 2, ch. 4, p. 130.
in particulates,
possible sources, v. 3, ch. 3, pp. 137-138.
- Chlorophyll a,
and stream order, v. 4, ch. 1, p. 17, figure 9.
- Chromium,
in soils, v. 3, ch. 1, p. 32.

- Chrysotile, v. 3, ch. 3, p. 140; v. 3, ch. 1, p. 68.
- CIPEC (Intergovernmental Council of Copper Exporting Countries),
v. 5, ch. 14, pp. 7-8.
- Cisco (Coregonus artedi), v. 4, ch. 1, p. 23.
- Citrate,
effect on leaching, v. 3, ch. 4, p. 154.
- Claus process, v. 2, ch. 4, p. 91.
- Clay, v. 3, ch. 1, p. 20; see also Surficial materials.
- Clean Air Act Amendments of 1977, v. 5, ch. 10, pp. 11-12.
- Cleveland Cliffs Iron Co.,
mineral lease, v. 2, ch. 1, p. 7.
- Climate, v. 3, ch. 3, pp. 38-81.
general features in Study Area, v. 3, ch. 3, pp. 40-50.
influence of Lake Superior, v. 3, ch. 3, pp. 75-80.
sky conditions, v. 3, ch. 3, pp. 41-47.
summary, v. 3, ch. 3, pp. 6-7.
- Climatological Dispersion Model (CDM), v. 3, ch. 3, p. 25.
- Climax theory,
of forest types (Clements), v. 4, ch. 2, p. 19.
- Clinical studies, v. 5, ch. 2, pp. 18-19.
- Clinopyroxene, v. 3, ch. 1, p. 65, figure 29.
- Cloudberry (Rubus chamaemorus), v. 4, ch. 2, pp. 97-98.
- Clouds, v. 3, ch. 3, pp. 41-47.
- Coal, v. 5, ch. 11, pp. 9-10.
consumption, v. 5, ch. 11, pp. 9-10, figure 3.
increased use, v. 3, ch. 3, p. 83.
projections for use, v. 3, ch. 3, pp. 99-100.
sulfur dioxide emissions, v. 3, ch. 3, pp. 85-86.
- Coal gasification, v. 5, ch. 11, pp. 7-8.
experimental plant - Erie Mining Co., v. 5, ch. 11, pp. 2, 7.
UMD plant for space heating, v. 5, ch. 11, p. 8.
- Cobalt, v. 5, ch. 5, p. 19.
demand, v. 5, ch. 14, pp. 2, 3.
Malenbaum forecasts, v. 5, ch. 14, p. 45.
demand, price, production,
USBM forecasts, v. 5, ch. 14, pp. 44-45.
emissions from smelter, v. 2, ch. 4, p. 129.
forecasts of supply, demand, price, v. 5, ch. 14, pp. 44-45.
from ocean mining, v. 5, ch. 14, p. 16.
price, v. 5, ch. 14, pp. 43-44.
recovery from electrorefining of nickel, v. 2, ch. 4, p. 59.
recovery processes, v. 2, ch. 4, pp. 52-53.
resource estimates, v. 1, ch. 3, pp. 6-12.
toxicity, v. 2, ch. 4, p. 13.
toxicity to aquatic biota, v. 4, ch. 1, p. 68, figure 29.
U.S. demand, v. 5, ch. 14, p. 43, table 36.
U.S. supply, v. 5, ch. 14, pp. 42-43, table 35.
uses, v. 5, ch. 14, p. 14.
world resources, v. 5, ch. 14, p. 14, table 9.
- Cobalt industry, v. 5, ch. 14, p. 14.
- Collectors, see Flotation, chemical reagents.

- Collectors (Zooplankton)
 in Kawishiwi R., v. 4, ch. 1, p. 23
 in mid-reach streams, v. 4, ch. 1, p. 21.
- Coltsfoot, early sweet (Petasites palmatus), v. 4, ch. 2, p. 68.
- Comandra, northern (Geocaulon lividum), v. 4, ch. 2, p. 32, 49, 98.
- Combustion air preheating, v. 2, ch. 4, pp. 30-31.
- Commercial services,
 effect on residential settlement, v. 5, ch. 7, pp. 27-28.
- Commodities Research Unit (CRU),
 copper forecasts, v. 5, ch. 14, p. 26.
 nickel forecasts, v. 5, ch. 14, p. 40.
- Commuting, v. 5, ch. 1, p. 11.
 distance to work (average), v. 5, ch. 7, pp. 35-36, table 24.
 effect of distance to work on residential settlement, v. 5, ch. 7,
 pp. 26-27, table 14, 15.
- Conate water,
 from drilling, v. 2, ch. 1, pp. 21-22.
- Concentrate, v. 3, ch. 2, pp. 41-49.
 additional facilities for filtration and drying, v. 2, ch. 3, p. 93.
 chemical composition, v. 2, ch. 4, pp. 125-126, table 22; v. 3,
 ch. 1, p. 4, table 1, 2.
 chemistry, v. 3, ch. 2, pp. 41-47.
 grade and recovery values, v. 2, ch. 5, pp. 24-25.
 minerology, v. 3, ch. 2, p. 48, table 19.
 physical characteristics, v. 3, ch. 2, p. 49.
 transportation, v. 5, ch. 8, p. 2.
- Concentration, see Beneficiation.
- Conifer uplands, v. 4, ch. 2, p. 5.
- Conifer wetlands, v. 4, ch. 2, p. 6.
 unique bird species, v. 4, ch. 2, p. 6.
- Conifers,
 commercial use, v. 5, ch. 6, pp. 12-13.
- Conoco, see Continental Oil Co.
- Conservation mass balance technique, v. 3, ch. 4, pp. 195-196.
- Construction,
 impacts on population, v. 5, ch. 1, pp. 18-20.
 indirect impacts on economy, v. 5, ch. 15, p. 29, figure 7.
 noise impacts, v. 3, ch. 5, pp. 27-28.
 transportation demands, v. 5, ch. 8, p. 13.
 work force required, v. 5, ch. 15, p. 22.
- Construction industry
 in Ely, v. 5, ch. 16, pp. 23-24.
- Continental Oil Co., v. 5, ch. 11, p. 8.
- Contouring
 of waste rock piles, v. 2, ch. 2, pp. 52-53.
- Converters, v. 2, ch. 4, pp. 34-37.
 air emissions, v. 2, ch. 4, pp. 77-78.
 capital costs, v. 2, ch. 4, pp. 35-36.
 control of sulfur dioxide emissions, v. 2, ch. 4, pp. 34-35.
 Hoboken, v. 2, ch. 4, figure 7, 24.
 advantages, v. 2, ch. 4, pp. 34-35.
 Pierce-Smith, v. 2, ch. 4, figure 6, 23.
 top blown rotary, v. 2, ch. 4, pp. 34, 36-37, figure 27.

- Converting, v. 2, ch. 4, pp. 33-37.
 chemical formulas, v. 2, ch. 4, p. 33.
 of nickel matee, v. 2, ch. 4, pp. 36-37.
- Conveyors, v. 2, ch. 2, pp. 12, 16.
- Copper,
 amount lost in slag, v. 2, ch. 4, p. 20.
 blister, v. 2, ch. 4, p. 54, table 5.
 commodity trading, v. 5, ch. 14, p. 9.
 consumption,
 A.D. Little forecasts, v. 5, ch. 14, p. 27.
 cost of discovery, v. 2, ch. 1, p. 3.
 demand for U.S. copper, v. 5, ch. 14, pp. 18-20.
 domestic markets, v. 5, ch. 8, p. 14.
 effect of market conditions on dcfrror, v. 5, ch. 17, pp. 21-22.
 effect of mill recovery on dcfrror, v. 5, ch. 17, p. 23.
 effect of ore grade on dcfrror, v. 5, ch. 17, pp. 23-24.
 effect of price, mill recovery and ore grade on dcfrror, v. 5,
 ch. 17, p. 2.
 emissions from smelter, v. 2, ch. 4, p. 129.
 end-use industries, v. 5, ch. 14, pp. 18-19.
 forecasts of supply, demand, price, v. 5, ch. 14, pp. 21-32.
 leading companies, v. 5, ch. 14, p. 6.
 loadings in soil, v. 4, ch. 2, pp. 139-141.
 market conditions, v. 1, ch. 3, pp. 12-15.
 model values for ore grades, v. 3, ch. 2, pp. 14-15.
 ore production in U.S., v. 2, ch. 2, p. 5.
 price and dcfrror, v. 5, ch. 17, pp. 2, 4, 60-63.
 prices, v. 5, ch. 14, pp. 20-21, figure 2.
 A.D. Little forecasts, v. 5, ch. 14, p. 28.
 pricing policy, v. 5, ch. 14, p. 9.
 production, primary and secondary,
 A.D. Little forecasts, v. 5, ch. 14, pp. 27-28.
 production and price,
 CRU forecasts, v. 5, ch. 14, p. 26.
 production costs, v. 2, ch. 3, pp. 96-98, tables 15, 16, 17, 18.
 resource estimates, v. 1, ch. 3, pp. 6-12; v. 2, ch. 2, p. 2,
 v. 3, ch. 2, pp. 6-7, table 1, 2; v. 5, ch. 5, pp. 18-19.
 resource estimates by zone, v. 5, ch. 5, table 9.
 sensitivity of dcfrror to price changes, v. 5, ch. 17, p. 22.
 soils (copper in soils), v. 3, ch. 1, p. 31.
 sources in U.S., v. 5, ch. 14, pp. 15-16.
 substitution of other products, v. 5, ch. 14, p. 19.
 summary of forecasts, v. 5, ch. 14, pp. 28-32, table 22.
 toxicity, v. 2, ch. 4, p. 13.
 toxicity to aquatic biota, v. 4, ch. 1, pp. 63-65, 67, figure 27.
- U.S. demand,
 Malenbaum projections, v. 5, ch. 14, pp. 24-25, table 17.
 USBM projections, v. 5, ch. 14, p. 23, table 15.
- U.S. supply, v. 5, ch. 14, pp. 15-18, table 11.
- U.S. supply, primary & secondary,
 USBM projections, v. 5, ch. 14, p. 23, table 16.
- uses, v. 5, ch. 14, p. 6.

Copper (continued)

- world production capacities, v. 5, ch. 14, pp. 4-6, table 1.
- world resources, v. 5, ch. 14, table 3.
- Copper industry, v. 5, ch. 14, pp. 4-9.
- Copper equivalent units (CEU), v. 3, ch. 4, p. 23, 186-187; v. 4, ch. 1, pp. 74-75.
 - significance of CEU to toxicity, v. 4, ch. 1, pp. 75-77.
- Copper-nickel ratio, v. 3, ch. 2, pp. 7-10, figure 6.
- Copper-Nickel Study Area, v. 1, ch. 3, pp. 5-6.
 - bedrock geology (map), v. 3, ch. 1, figure 3, 4.
 - development zones, v. 3, ch. 2, pp. 2-3, figure 2.
 - development zones,
 - biological impacts, v. 4, ch. 2, pp. 102-111.
 - susceptibility to air pollution impacts, v. 4, ch. 2, 152-157.
 - susceptibility to leachate impacts, v. 4, ch. 2, pp. 162-163.
 - resource and development zones, v. 5, ch. 5, pp. 22-24.
 - resource zones, v. 3, ch. 2, pp. 2-3, figure 2.
 - resource zones (map), v. 2, ch. 1, figure 1.
- Coral root (Corallorhiza maculata), v. 4, ch. 2, p. 63.
- Cougar, eastern (Felis concolor schorgeri), v. 4, ch. 2, p. 35.
- Cramer, H.E., air emission model, v. 3, ch. 3, p. 24.
- Cranberry, bog (Vaccinium oxycoccos), v. 4, ch. 2, pp. 44, 51.
- Creeper, brown (Certhia familiaris) v. 4, ch. 2, p. 64.
- Critical temperatures,
 - for furnace operation, v. 2, ch. 4, p. 23.
- Crocodolite, v. 3, ch. 1, p. 68.
- Crushing, v. 2, ch. 3, pp. 2, 14-16.
 - cone crusher, v. 2, ch. 3, p. 16.
 - gyratory crusher, v. 2, ch. 3, p. 15, figure 5.
 - primary, v. 2, ch. 3, pp. 14-15.
 - in underground mining, v. 2, ch. 2, p. 16.
 - secondary, v. 2, ch. 3, p. 16.
- Cubanite, v. 3, ch. 1, p. 59, figure 20.
- Cummingtonite,
 - fibers, v. 3, ch. 2, pp. 60-61.
- Cummingtonite - grunerite, v. 3, ch. 1, p. 68, v. 3, ch. 3, p. 140.
- Cut-and-fill method, see Ground support, in underground mining.
- Cycloning, see Tailing, separation of sand fractions.
- Cytospora canker, v. 4, ch. 2, p. 95.

D -

- Dace, blacknose (Rhinichthys atratulus), v. 4, ch. 1, p. 19.
- Dace, finescale (Chrosomus neogaeus), v. 4, ch. 1, p. 19.
- Daphnia pulicaria,
 - metal toxicity, v. 4, ch. 1, pp. 63, 65-66.
 - toxicity of leachate, v. 4, ch. 1, pp. 71-72, table 23.
- Davy Power Gas
 - scrubbing system, v. 2, ch. 4, p. 115, figure 50.
- dcfror, see Discounted cash flow rate of return.
- Death rate, see Mortality rate.

Debt,

effect on dcfrr, v. 5, ch. 17, pp. 33-34.

Debt/equity ratio, v. 5, ch. 17, pp. 33-34.

Debt service cost,

for local government, v. 5, ch. 13, p. 15.

Debt service multiplier, see Capital facilities, repayment of cost.

Deciduous uplands, v. 4, ch. 2, pp. 4-5.

Deciduous wetlands, v. 4, ch. 2, p. 7.

Deer, white-tailed (Odocoileus virginianus) v. 4, ch. 2, pp. 28-29, 48, 76, 82-83.

effects of snowmobiles, v. 4, ch. 2, pp. 164-165.

Delaney clause, v. 5, ch. 2, p. 15.

Demographics, see also Population.

Demographics,

effect of population growth on land use, v. 5, ch. 3, pp. 16-18.

in Ely, v. 5, ch. 16, pp. 8-9.

health-related, v. 5, ch. 2, pp. 2-4, 26-27.

historical, v. 5, ch. 1, pp. 3-6.

population and households in Study Area, v. 5, ch. 7, table 2.

projected population and households for 1984, v. 5, ch. 7, pp. 32-33, table 20.

projected population without copper-nickel development, v. 5, ch. 1, pp. 7-14.

Density

of rock, v. 3, ch. 1, p. 53.

Dependency ratios, v. 5, ch. 1, pp. 5-6, table 2.

Depressants, see Flotation, chemical reagents.

Dermatitis,

arsenic-caused, v. 5, ch. 2, pp. 50, 51.

nickel-caused, v. 5, ch. 2, pp. 56, 57.

Development zones, see Copper-Nickel Study Area, development zones.

Dewberry (Rubus pubescens), v. 4, ch. 2, pp. 55, 63, 71.

Diatoms,

in headwater streams, v. 4, ch. 1, figure 10.

in Kawishiwi River, v. 4, ch. 1, p. 22.

in mid-reach streams, v. 4, ch. 1, p. 20.

sensitivity to metal pollution, v. 4, ch. 1, p. 73.

in streams impacted by mining, v. 4, ch. 1, pp. 24-25.

Differential flotation, see Flotation.

Dimethylaniline, see DMA.

Dip,

of geological contact, v. 3, ch. 1, p. 52.

Discounted cash flow rate of return (dcfrr), v. 5, ch. 17, pp. 5-8.

comparison of major cash flow variables, v. 5, ch. 17, pp. 57-59.

effect of cash flow variables, v. 5, ch. 17, pp. 16-50.

effect of cost, v. 5, ch. 17, pp. 28-50.

effect of operating costs, v. 5, ch. 17, pp. 35-38.

effect of taxation, v. 5, ch. 17, pp. 39-50.

metal prices required for 15% dcfrr, v. 5, ch. 17, pp. 59-63.

variables affecting dcfrr, v. 5, ch. 17, pp. 9-11.

- Disease,
agent-host-environment relationships, v. 5, ch. 2, pp. 11-12.
causative agents, v. 5, ch. 2, pp. 15-17.
interactions, v. 5, ch. 2, pp. 13-14.
non-threshold concepts, v. 5, ch. 2, pp. 14-15, figure 1.
threshold concept, v. 5, ch. 2, pp. 14-15, figure 1.
environmentally-induced, v. 5, ch. 2, pp. 17-18.
morbidity studies, v. 5, ch. 2, pp. 29-30.
- DMA absorption system, v. 2, ch. 4, pp. 92-95.
possible operating problems, v. 2, ch. 4, pp. 94-95.
- Dogbane (Apocynum androsaemifolium), v. 4, ch. 2, p. 59.
- Dogwood, red osier (Cornus stolonifera), v. 4, ch. 2, p. 46.
- Dose-response relationship, v. 5, ch. 2, pp. 14-15.
- Drains,
in tailing basin embankments, v. 2, ch. 3, pp. 62-63.
- Drill holes, v. 3, ch. 2, p. 2, figure 1.
- Drilling, v. 2, ch. 1, pp. 16-19.
definition, v. 2, ch. 1, pp. 16-17.
diamond, v. 2, ch. 1, pp. 17-18.
down-the-hole-hammer, v. 2, ch. 2, p. 15; v. 2, ch. 1, pp. 18-19.
percussion, v. 2, ch. 2, p. 15; v. 2, ch. 1, pp. 18-19.
rotary, v. 2, ch. 2, pp. 9-10; v. 2, ch. 1, p. 19.
- Drought, v. 3, ch. 4, pp. 115-116.
- Drying,
of concentrates, v. 2, ch. 4, p. 15.
- Duluth Complex, v. 3, ch. 1, pp. 9, 10-13.
anorthositic series rocks, v. 3, ch. 1, pp. 41-43.
faults and joints, v. 3, ch. 1, pp. 49-51.
mineralogy and chemistry, v. 3, ch. 1, pp. 53-70.
possible faulting, v. 3, ch. 1, pp. 12-13.
structural and engineering properties, v. 3, ch. 1, pp. 49-53.
troctolitic-gabbroic series rocks, v. 3, ch. 1, pp. 44-49.
- Duluth, Missabe and Iron Range Railroad (DM & IR), v. 5, ch. 5, p. 12;
v. 5, ch. 8, pp. 6, 7, 8, 9.
terminus in Ely, v. 5, ch. 16, p. 6.
- Duluth-Superior Harbor,
availability to copper-nickel companies, v. 5, ch. 8, p. 17.
capacity and channel depth, v. 5, ch. 8, p. 10.
shipping season, v. 5, ch. 8, p. 11.
tonnages handled, v. 5, ch. 8, p. 10, table 3.
- Duluth, Winnipeg and Pacific Railway (DW & P), v. 5, ch. 8, pp. 6, 7,
8, 9.
- Dust, v. 3, ch. 3, pp. 161-170; see also Particulates.
from blasting, v. 3, ch. 3, pp. 166-167.
from construction activities, v. 3, ch. 3, p. 162.
from conveyors in mill, v. 3, ch. 3, p. 168.
cost of control in tailing basins, v. 2, ch. 3, p. 78, table 11.
from crushing and grinding, v. 3, ch. 3, pp. 168-169.
effect on health, v. 5, ch. 2, pp. 84-86.
effect on natural and scientific areas, v. 5, ch. 10, pp. 16-17.
effect on recreation, v. 5, ch. 9, pp. 16-17.
fugitive emissions, v. 3, ch. 3, p. 163, 164-165, 170-172.

Dust (continued)

- from haul roads, v. 2, ch. 2, p. 66; v. 3, ch. 3, p. 167.
- from material handling and storage, v. 2, ch. 4, pp. 136-138.
- from material transfer, v. 3, ch. 3, p. 163.
- Midwest Research Institute,
 - emission factors for area sources, v. 3, ch. 3, pp. 166-169, table 69.
- from open pit mines, v. 3, ch. 3, p. 162.
- from ore storage, v. 3, ch. 3, p. 168.
- from overburden stockpiles, v. 2, ch. 2, p. 63.
- from reverberatory furnaces, v. 2, ch. 4, p. 42.
- from roads, v. 3, ch. 3, pp. 112-113.
- silt content, v. 3, ch. 3, pp. 165-166.
- sources, v. 3, ch. 3, pp. 222-225.
- stabilization of haul roads, v. 2, ch. 2, p. 66.
- from tailing basins, v. 2, ch. 2, p. 41; v. 2, ch. 3, pp. 54-59; v. 3, ch. 3, pp. 163-164, 169.
 - control, v. 2, ch. 3, pp. 55-58.
 - cost of control, v. 2, ch. 3, table 10.
 - methods of control, v. 2, ch. 3, pp. 55-58, table 10.
 - wind necessary for lift-off, v. 2, ch. 3, p. 54.
- from trucks on unpaved roads, v. 2, ch. 2, pp. 11-12.
- from underground mines, v. 3, ch. 3, pp. 162-163.
- from waste rock dumping, v. 3, ch. 3, p. 167.
- from waste rock piles, v. 3, ch. 3, p. 164, 167-168.
- Duval Corp., v. 5, ch. 5, p. 21.
- mineral lease, v. 2, ch. 1, p. 7.
- Minnesota mineral lease, v. 5, ch. 4, p. 20.
- prospecting permit, v. 5, ch. 4, p. 20.
- Special Use Permit in SNF, v. 5, ch. 4, p. 19.

E -

- Eagle, bald (Heliaeetus leucocephalus), v. 4, ch. 2, pp. 30, 34, 50, 76, 88-89.
 - possible disturbance of nesting by noise, v. 4, ch. 2, pp. 164, 166.
- Eagles Nest Lakes,
 - lakeshore development, v. 5, ch. 7, pp. 11, 12.
- Earnings, see Income.
- Economic base theory, v. 5, ch. 15, p. 20; v. 5, ch. 16, pp. 10-11, table 3.
 - employment multipliers, v. 5, ch. 16, p. 15.
 - income multipliers, v. 5, ch. 16, pp. 14-15.
 - interindustry multipliers, v. 5, ch. 16, pp. 13-14.
- Economy, see Local economy; Regional economy.
- Ecosystems, see Aquatic ecosystems; Terrestrial ecosystems.
- Electricity, v. 5, ch. 11, pp. 10-11.
 - demand projections, v. 5, ch. 11, pp. 16-19.
 - effect of availability on residential settlement, v. 5, ch. 7, p. 24.
 - facility requirements, v. 5, ch. 11, pp. 23-27.
 - requirements, v. 3, ch. 3, pp. 149-150.
 - type of fuel used, v. 5, ch. 11, p. 10.

- Electrorefining, v. 2, ch. 4, pp. 56-61.
of copper, v. 2, ch. 4, pp. 56-57.
energy requirements, v. 2, ch. 4, p. 57.
of nickel, v. 2, ch. 4, p. 59.
- Electrostatic precipitators,
for particulate removal, v. 2, ch. 4, pp. 101-103, table 14;
v. 3, ch. 3, p. 157.
- Electrowinning,
of copper, v. 2, ch. 4, pp. 57-58.
energy requirements, v. 2, ch. 4, p. 58.
of nickel, v. 2, ch. 4, pp. 60-61.
- Elemental sulfur plants, v. 2, ch. 4, pp. 90-92.
- Ely (community),
available capacity in schools, v. 5, ch. 13, pp. 6-7.
characteristics, v. 5, ch. 16, pp. 6-9.
commercial services, v. 5, ch. 7, pp. 27-28.
declining school enrollment, v. 5, ch. 13, p. 46.
disposable income spent locally, v. 5, ch. 15, p. 24.
economic importance of iron ore mining, v. 5, ch. 5, p. 10.
economic importance of recreation, v. 5, ch. 9, pp. 11-12.
effect on recreation of copper-nickel development, v. 5, ch. 9,
pp. 24-26.
history of mining, v. 5, ch. 16, pp. 7-8.
local economy, see Local economy (Ely).
projected city expenditures with copper-nickel development, v. 5,
ch. 13, pp. 26-27, 33.
as recreation center, v. 5, ch. 16, p. 7.
school financing, v. 5, ch. 13, pp. 44-47.
school revenues vs. costs, v. 5, ch. 13, p. 37.
- Ely Greenstone, v. 3, ch. 1, p. 6.
- Ely Lake,
lakeshore development, v. 5, ch. 7, pp. 16-17.
- Ely-Winton (community), v. 5, ch. 7, pp. 11-12.
residential settlement type, v. 5, ch. 7, p. 7.
- Embarrass (community),
residential settlement, v. 5, ch. 7, pp. 14, 15.
residential settlement type, v. 5, ch. 7, p. 7.
- Embarrass Mountain Taconite Mining Province, v. 3, ch. 1, p. 14.
- Embarrass River Valley aquifer, v. 3, ch. 4, pp. 7, 8.
- Emissions, see Air emissions; Water emissions.
- Employment, see Personnel.
- Endangered species, see Rare species.
- Energy, v. 5, ch. 11; see also Coal; Electricity; Natural Gas; Peat;
Petroleum.
annual requirements for copper-nickel operation, v. 5, ch. 11,
pp. 20-21, table 14.
conservation,
in smelting, v. 2, ch. 4, pp. 26-32.
consumption, v. 5, ch. 11, pp. 11-13, table 1.
impacts of copper-nickel development, v. 5, ch. 11, pp. 2-3,
19-27.
in industrial sector, v. 5, ch. 11, p. 2.
in smelter/refinery, v. 2, ch. 4, pp. 9-10, 20-21, table 3.
demand projections, v. 5, ch. 11, pp. 14-19, table 13.

Energy (continued)

- demand projections to 2000, v. 5, ch. 11, pp. 2-3.
 - impacts of type of fuel on consumption, v. 2, ch. 4, pp. 26-27.
 - industrial consumption, v. 5, ch. 11, pp. 12-13, table 3.
 - industrial use per employee, v. 5, ch. 11, p. 13, table 5.
 - projected industrial demands, v. 5, ch. 11, p. 15, table 7, 8, 9.
 - projected industrial demands and output, v. 5, ch. 11, table 7, 8, 9.
 - projected residential demands, v. 5, ch. 11, pp. 15-16, table 10.
 - required per pound of refined metal, v. 2, ch. 4, pp. 164-165.
 - requirements, v. 1, ch. 4, pp. 25-26.
 - requirements and supplies, v. 2, ch. 4, pp. 164-166.
 - requirements by year and type of fuel for integrated mine model, v. 2, ch. 5, table 16.
 - requirements by year for integrated mine model, v. 2, ch. 5, table 18.
 - requirements for exploration and mining phase, v. 2, ch. 5, pp. 22-23.
 - requirements for processing phase, v. 2, ch. 5, pp. 25-26.
 - requirements for smelter/refinery phase, v. 2, ch. 5, pp. 27-28.
 - residential consumption, v. 5, ch. 11, pp. 11-12, table 4.
 - use by end-use categories, v. 5, ch. 11, table 2.
- Epidemiology, v. 5, ch. 2, pp. 18-19.
- Equipment failures, v. 2, ch. 4, pp. 158-161.
- Erie Mining Co., v. 5, ch. 5, p. 3.
- land exchange with U.S. Forest Service, v. 5, ch. 5, p. 14.
 - Minnesota lease, v. 5, ch. 4, p. 21.
 - Minnesota surface lease, v. 5, ch. 4, p. 21.
 - railroad, v. 5, ch. 8, pp. 6-7, 8.
- Esquagama Lake
- lakeshore development, v. 5, ch. 7, p. 16.
- Eunotia, v. 4, ch. 1, p. 17.
- Evaporation, v. 3, ch. 3, pp. 48-50, table 13, 14.
- Eveleth (community),
- available capacity in schools, v. 5, ch. 13, pp. 6-7.
 - residential settlement, v. 5, ch. 7, pp. 16, 17.
 - residential settlement type, v. 5, ch. 7, p. 7.
- Eveleth Hippodrome,
- historic site, v. 5, ch. 10, p. 8.
- Eveleth Taconite and Expansion Co., v. 5, ch. 5, p. 3.
- Minnesota lease, v. 5, ch. 4, p. 21.
 - projected production, v. 5, ch. 5, p. 15.
- Exploration, v. 1, ch. 4, pp. 27-28; v. 2, ch. 1.
- confidentiality of information, v. 2, ch. 1, p. 2, 5-6.
 - cost, v. 2, ch. 1, p. 3.
 - deduction of costs for income tax purposes, v. 5, ch. 12, p. 42.
 - detailed surface appraisal, v. 2, ch. 1, p. 13.
 - field reconnaissance, v. 2, ch. 1, pp. 12-13.
 - finding stage, v. 2, ch. 1, p. 9, 11-14.
 - history, v. 2, ch. 1, pp. 6-7.
 - proving stage, v. 2, ch. 1, p. 9.
 - regional appraisal, v. 2, ch. 1, p. 12.
 - regulation in Minnesota, v. 2, ch. 1, pp. 4-6.
 - sampling, v. 2, ch. 1, pp. 13-14.
 - stages, v. 2, ch. 1, pp. 8-10, figure 3.

Exploration (continued)

U.S. Forest Service guidelines, v. 2, ch. 1, pp. 22-24.

Exploration and mining,

equivalent years at full production, v. 2, ch. 5, p. 16.

mine life cycle, v. 2, ch. 5, p. 16.

production capacity, v. 2, ch. 5, pp. 15-16.

Explosives

effect on health, v. 5, ch. 2, pp. 54-55.

Export base logic, see Economic base theory.

Exxon Corp.,

federal mineral leases, v. 5, ch. 4, pp. 19-20.

land leases, v. 3, ch. 1, p. 42.

mineral lease, v. 2, ch. 1, p. 7.

Minnesota mineral lease, v. 5, ch. 4, p. 20.

operating plans, v. 5, ch. 5, p. 21.

Special Use permit in SNF, v. 5, ch. 4, p. 19.

F -

Fabric filters,

for particulate removal, v. 2, ch. 4, pp. 99-101.

Falcon, peregrine (Falco peregrinus), v. 4, ch. 2, pp. 30, 34.

False lily-of-the-valley (Maianthemum canadense), v. 4, ch. 2, pp. 57, 68, 75.

False Solomon's seal (Smilacina trifolia), v. 4, ch. 2, pp. 48, 51.

Fathead minnow (Pimephales promelas),

heavy metal toxicity tests, v. 4, ch. 1, p. 63.

metal toxicity, v. 4, ch. 1, pp. 63-65.

Federal Archeological and Historical Preservation Act (P.L. 93-291),
v. 5, ch. 10, p. 3.

Felsic series, v. 3, ch. 1, pp. 11, 12, 41-43.

Fern, bracken (Pteridium aquilinum), v. 4, ch. 2, pp. 66, 72, 76.

Fern, sweet (Comptonia peregrina), v. 4, ch. 2, p. 63

Fibers, v. 1, ch. 5, pp. 65-66; v. 3, ch. 1, pp. 67-70; v. 3, ch. 2,
pp. 40, 56-63; v. 3, ch. 3, pp. 139-145, 227-229; v. 3,
ch. 4, p. 25; see also Particulates.

amphibole, v. 3, ch. 2, pp. 59-61.

asbestiform amphibole,

level of occurrence, v. 3, ch. 1, p. 70.

aspect ratio, v. 3, ch. 3, pp. 140, 142, table 63.

background concentrations, v. 3, ch. 3, pp. 11, 174-175.

concentrations in samples, v. 3, ch. 2, pp. 58-59, table 24.

concentrations in tailing, v. 3, ch. 2, pp. 62-63.

definition, v. 3, ch. 1, p. 67.

effect of grinding on formation, v. 3, ch. 2, p. 61.

effect on health, v. 5, ch. 2, pp. 7-8, 68-72.

plagioclase, v. 3, ch. 2, pp. 59-60.

in surface water, v. 3, ch. 4, pp. 62-65.

in tailing water, v. 3, ch. 2, p. 62.

in water, v. 3, ch. 1, p. 3; v. 3, ch. 4, pp. 192-194.

Filson Creek,

elevated metal values, v. 3, ch. 4, p. 12.

Filson Creek (continued)

- sulfate concentrations, v. 3, ch. 4, pp. 84-85.
- Filter-feeders, v. 4, ch. 1, p. 21.
- Fir, balsam (Abies balsamea), v. 4, ch. 2, pp. 40, 68, 69.
 - commercial use, v. 5, ch. 6, p. 13.
- Fire,
 - in pine stands, v. 4, ch. 2, p. 36.
- Fire protection, see Public protection.
- Fireweed (Epilobium angustifolium), v. 4, ch. 2, p. 59.
- Fish,
 - as source of mercury in diet, v. 5, ch. 2, pp. 78, 79.
 - detection of temperature gradients, v. 4, ch. 1, p. 96.
 - frequency in lakes, v. 4, ch. 1, p. 38, table 12.
 - in lakes, v. 4, ch. 1, pp. 38-41.
 - in mid-reach streams, v. 4, ch. 1, p. 21.
 - reproduction, v. 4, ch. 1, pp. 88-89.
 - sensitivity to metal pollution, v. 4, ch. 1, pp. 73-74.
 - sensitivity to suspended solids, v. 4, ch. 1, pp. 100-101.
- Fisher (Martes pennanti), v. 4, ch. 2, pp. 49-50, 65, 76, 90-91.
- Flocculants, see Flotation, chemical reagents.
- Florenton (community),
 - residential settlement, v. 5, ch. 7, p. 14.
- Flotation, v. 1, ch. 4, pp. 19-20; v. 2, ch. 3, pp. 23-38.
 - adaptation for Minnesota ores, v. 2, ch. 3, p. 3.
 - bulk, v. 2, ch. 3, p. 3, 24, 25-28.
 - flowsheet, v. 2, ch. 3, figure 3.
 - smelting techniques, v. 2, ch. 4, pp. 52-53.
 - chemical reagents, v. 2, ch. 3, pp. 10, 28-36.
 - addition levels, v. 2, ch. 3, p. 34.
 - collectors, definition, v. 2, ch. 3, p. 29.
 - conditioning time, v. 2, ch. 3, pp. 37-38.
 - consumption, v. 2, ch. 3, pp. 26-27.
 - costs, v. 2, ch. 3, table 4.
 - decomposition, v. 2, ch. 3, pp. 31-33.
 - frothers, v. 2, ch. 3, pp. 29, 30, table 6.
 - levels in recycle water, v. 2, ch. 3, p. 34.
 - methyl isobutyl carbinol, v. 2, ch. 3, pp. 32, 33.
 - nickel depressants, v. 2, ch. 3, p. 27.
 - toxicity, v. 3, ch. 4, p. 190, table 89; v. 2, ch. 3, p. 35.
 - in water, v. 3, ch. 4, pp. 190-192.
 - xanthates, v. 2, ch. 3, pp. 29-30, table 5.
 - toxicity to aquatic biota, v. 4, ch. 1, p. 72, figure 35.
 - comparison of methods, v. 2, ch. 3, pp. 25-28.
 - differential, v. 2, ch. 3, p. 4, 24, 25-28.
 - flowsheet, v. 2, ch. 3, figure 11.
 - selective, v. 2, ch. 3, pp. 24, 25-28.
 - flowsheet, v. 2, ch. 3, figure 12.
 - selective or differential smelting techniques, v. 2, ch. 4, p. 53.
 - system design, v. 2, ch. 3, pp. 36-38.
 - type used determines smelter metallurgy, v. 2, ch. 4, pp. 2-3.
 - water system, v. 2, ch. 3, pp. 27-28.
 - Fluorine,
 - in soils, v. 3, ch. 1, p. 30.

- Flushing rate,
of lakes, v. 3, ch. 4, p. 206, table 93.
- Flycatcher, alder (Empidonax trailii), v. 4, ch. 2, p. 47.
- Flycatcher, yellow-bellied (Empidonax flaviventris), v. 4, ch. 2, p. 50.
- Forest, see also Timber.
classifications, v. 5, ch. 6, p. 6.
communities in Study Area, v. 4, ch. 2, pp. 11-13.
cover types, v. 5, ch. 6, pp. 2-3.
distribution of cover types, v. 5, ch. 6, pp. 7-8, table 1.
land cover, v. 5, ch. 3, pp. 5-6.
land cover - year 2000, v. 5, ch. 3, pp. 22-23.
productivity, v. 5, ch. 6, pp. 8-9, figure 4, table 3.
- Forest fires,
jack pine adaptation, v. 4, ch. 2, pp. 57-58.
red pine adaptation, v. 4, ch. 2, p. 65.
- Forest Highway 11, v. 5, ch. 8, p. 4, figure 3.
- Forest lands, v. 5, ch. 6.
commercial,
volume of timber, v. 5, ch. 6, p. 8, table 2.
consumption for residential settlement, v. 5, ch. 6, p. 5, 28-29.
direct consumption for copper-nickel development, v. 5, ch. 6,
pp. 18-20.
impact mitigation, v. 5, ch. 6, pp. 24-27.
impact of copper-nickel development, v. 5, ch. 6, pp. 17-29.
impact of copper-nickel development, summary, v. 5, ch. 6, pp. 4-5.
productivity, v. 5, ch. 6, pp. 20-23.
suitability for commercial forestry, v. 5, ch. 6, pp. 10-11.
- Forest products industry, v. 5, ch. 6, pp. 11-12,
gross output, v. 5, ch. 6, p. 2.
impacts of copper-nickel development, v. 5, ch. 6, pp. 17-29.
- Foundation aid, see Schools, Foundation aid.
- Frothers, see Flotation, Chemical reagents.
- Fuel, see Energy; also specific type of fuel, i.e., Coal.
- Fumigation,
of stack plume, v. 3, ch. 3, pp. 206-207.
- Furnaces, see also Refining furnaces.
anode,
air emissions, v. 2, ch. 4, p. 79.
continuous, v. 2, ch. 4, pp. 48-51.
Mitsubishi, v. 2, ch. 4, pp. 50-51, figure 26.
Noranda, v. 2, ch. 4, pp. 49-50, figure 25.
conventional blast, v. 2, ch. 4, pp. 39-40, figure 18.
effect of heat supply on capacity, v. 2, ch. 4, pp. 25-26.
electric, v. 2, ch. 4, pp. 43-44, figure 20.
reduction of effluent gases, v. 2, ch. 4, p. 44.
flash, v. 2, ch. 4, pp. 45-48.
Inco, v. 2, ch. 4, pp. 47-48, figure 21.
Outokumpu, v. 2, ch. 4, pp. 46-47, figure 22.
smelting process, v. 2, ch. 4, pp. 45-46.
reverberatory, v. 2, ch. 4, pp. 40-42, figure 19.
slag cleaning,
air emissions, v. 2, ch. 4, p. 79.

G -

- Gabbro, see also Duluth complex.
anorthositic, v. 3, ch. 1, p. 43.
contact zone,
 South Kawishiwi intrusion, v. 3, ch. 1, p. 45.
density and swell factor, v. 2, ch. 2, p. 24.
typical grades of copper content, v. 3, ch. 1, p. 55, table 18.
- Game birds,
 seasonal patterns, v. 4, ch. 2, pp. 29-30.
- Gangue, see Waste rock.
- Garbage collection, see sanitation.
- General Mining Law of 1872, v. 5, ch. 4, pp. 9-10.
- Geology, v. 3, ch. 1; see also Bedrock geology; Surficial geology.
 regional, v. 3, ch. 1, pp. 5-13.
- Geomorphology, see also Surficial geology.
 regions, v. 4, ch. 2, pp. 20-22, figure 2.
 relationship to vegetation communities, v. 4, ch. 2, figure 9A-E.
- Germination,
 impacts of heavy metals, v. 4, ch. 2, pp. 138-139.
- Giants Range, v. 3, ch. 1, pp. 13-14.
- Giants Range batholith, v. 3, ch. 1, p. 7.
- Giants Range State Park (proposed), v. 5, ch. 9, p. 5; v. 5, ch. 10,
 pp. 7, 8-9.
- Gilbert (community),
 residential settlement, v. 5, ch. 7, p. 16.
 residential settlement type, v. 5, ch. 7, p. 7.
- Ginger, wild (Asarum canadense), v. 4, ch. 2, p. 72.
- Glacial drift, see Overburden.
- Glacial Lake Agassiz, v. 3, ch. 1, pp. 14, 16-17.
- Glacial Lake Dunka, v. 3, ch. 1, p. 17.
- Glacial Lake Norwood, v. 3, ch. 1, pp. 17, 18.
- Glacial Lake Upham (I and II), v. 3, ch. 1, p. 18.
- Glacial till,
 thickness in Study Area, v. 3, ch. 1, p. 2.
- Glaciation, v. 3, ch. 1, pp. 13-18.
 map of phases, v. 3, ch. 1, figure 7.
 Pleistocene, v. 3, ch. 1, p. 5.
 regions in Study Area, v. 3, ch. 1, pp. 15-18.
- Gold, v. 5, ch. 5, p. 19.
- Gooseberry (Ribes spp.),
 alternate host for white pine blister rust, v. 4, ch. 2, p. 96.
- Goshawk (Accipiter gentilis), v. 4, ch. 2, pp. 30, 88, 89.
- Gossan, v. 3, ch. 1, p. 45.
- Granivores,
 habitats, v. 4, ch. 2, p. 41.
- Granophyre, v. 3, ch. 1, p. 11, 43.
- Graphite,
 from tailings, v. 2, ch. 3, p. 88.
- Grass (family Gramineae), v. 4, ch. 2, p. 63.
 metal-tolerant species, v. 4, ch. 2, p. 97.
- Grazers,
 habitats, v. 4, ch. 2, p. 41.

- Great Lakes Gas Transmission Co., v. 5, ch. 11, p. 4.
Great Lakes Waterway System, see Waterways.
Grinding, v. 2, ch. 3, pp. 3, 16-23.
 definition, v. 2, ch. 3, pp. 16-17.
 energy requirements, v. 2, ch. 3, p. 17.
 gabbro, v. 3, ch. 1, p. 53.
 size classification, v. 2, ch. 3, pp. 22-23.
 size of grind, v. 2, ch. 3, p. 18.
Grinding mills, v. 2, ch. 3, pp. 18-22.
 antogenous, v. 2, ch. 3, pp. 19-22.
 ball, v. 2, ch. 3, p. 19, figure 7.
 pebble, v. 2, ch. 3, pp. 20-21.
 rod, v. 2, ch. 3, pp. 18-19, figure 6.
Grosbeak, rose-breasted (Pheucticus ludovicianus), v. 4, ch. 2, pp. 70, 73.
Gross output,
 from copper-nickel development,
 direct and indirect, v. 5, ch. 15, pp. 2-3.
 of mining companies, v. 5, ch. 15, p. 25.
 projected, v. 5, ch. 15, p. 30.
Ground support,
 in underground mining, v. 2, ch. 2, pp. 20-21.
 cost and safety of various methods, v. 2, ch. 2, pp. 21-22,
 table 8.
Groundwater, v. 3, ch. 4, pp. 7-8.
 bedrock aquifers,
 water quality, v. 3, ch. 4, pp. 70-71.
 bedrock seepage into open mines, v. 3, ch. 4, pp. 158-159.
 contamination from open pit lakes, v. 2, ch. 2, p. 39.
 hydrology, v. 3, ch. 4, pp. 43-49.
 impacts of mining, v. 3, ch. 4, pp. 209-210.
 quality, v. 3, ch. 4, p. 11.
 regional variation of availability, v. 3, ch. 4, pp. 46-49.
 resources in Superior National Forest, v. 3, ch. 4, p. 43.
 saline water from bedrock, v. 3, ch. 4, p. 159.
 seepage into tailing basins, v. 3, ch. 4, p. 179.
 surficial aquifers,
 water quality, v. 3, ch. 4, pp. 68-69.
 water quality, v. 3, ch. 4, pp. 67-71, table 26.
Grouse, ruffed (Bonasa umbellus), v. 4, ch. 2, pp. 14, 29, 47, 74, 76, 84-85.
Grouse, spruce (Canachites canadensis), v. 4, ch. 2, pp. 29, 50, 68, 76, 85.
Gunflint Range, v. 3, ch. 1, p. 7.

H -

- Habitats,
 distribution, v. 4, ch. 2, pp. 77-81.
 ranking by relative importance, v. 4, ch. 2, pp. 7-8, table 4A.
Hanna Mining Co.,
 federal mineral lease, v. 5, ch. 4, p. 20.

- Hare, snowshoe (Lepus americanus), v. 4, ch. 2, pp. 49, 52, 83-84.
predators, v. 4, ch. 2, p. 84.
- Hawk, broad-winged (Buteo platypterus), v. 4, ch. 2, pp. 30, 88, 89.
- Hawk, Cooper's (Accipiter cooperi), v. 4, ch. 2, p. 34.
- Hawk, marsh (Circus cyaneus), v. 4, ch. 2, pp. 34, 89.
- Hawk, red-tailed (Buteo jamaicensis), v. 4, ch. 2, p. 89.
- Hawk, sparrow (Falco sparverius), v. 4, ch. 2, pp. 59, 89.
- Hawk Ridge Reserve, v. 4, ch. 2, p. 30.
- Hazel (Corylus cornuta), v. 4, ch. 2, pp. 56, 62-63, 66, 72, 74, 75.
- Headwater streams,
biological characteristics, v. 4, ch. 1, pp. 16-20.
canopy cover, v. 4, ch. 1, pp. 16-17.
fish communities, v. 4, ch. 1, p. 19, table 4, figure 15.
sensitivity, v. 4, ch. 1, pp. 46-47.
- Health, v. 5, ch. 2.
impacts,
priority classification, v. 5, ch. 2, pp. 41-45.
impacts of copper-nickel development, v. 1, ch. 5, pp. 67-69.
impacts of population pressures, v. 5, ch. 2, pp. 86-89.
potential impacts of mining, v. 5, ch. 2, pp. 4-5, table 1.
- Health facilities, v. 5, ch. 2, pp. 5-6, 31-33.
cost, v. 5, ch. 13, p. 22, table 6.
impacts of mining, v. 5, ch. 2, pp. 40-41.
municipal cost multiplier, v. 5, ch. 13, p. 13.
- Health manpower, v. 5, ch. 2, pp. 3, 5-6, 30-31.
impacts of mining, v. 5, ch. 2, pp. 40-41.
- Heart Lake Associates,
federal mineral lease, v. 5, ch. 4, p. 20.
- Heat,
gross available in smelting process, v. 2, ch. 4, pp. 24-25.
lost through flue gases, v. 2, ch. 4, p. 24.
net available heat to metallurgical process, v. 2, ch. 4, p. 25.
recovery from smelting, v. 2, ch. 4, pp. 31-32.
used in smelting process, v. 2, ch. 4, pp. 21-32.
- Heath (Family Ericaceae),
in bogs, v. 4, ch. 2, pp. 44-46.
- Heavy metals, see Metals.
- Height of Land Portage,
consideration for National Register of Historical Places, v. 5,
ch. 10, p. 3.
- Hepatica (Hepatica americana), v. 4, ch. 2, p. 72.
- Herbivores,
of special interest in Study Area, v. 4, ch. 2, pp. 82-86.
- Hibernation, v. 4, ch. 2, p. 28.
- Highways, see Roads.
- Historical areas, v. 5, ch. 10; v. 5, ch. 10, p. 3-4, table 1.
- Hoboken converter, see Converters.
- Honeysuckle (Lonicera canadensis), v. 4, ch. 2, p. 72.
- Honeysuckle, bush (Diervilla lonicera), v. 4, ch. 2, p. 68.
- Hoods,
to reduce fugitive air emissions, v. 2, ch. 4, pp. 139-140.
secondary systems, v. 2, ch. 4, pp. 106-108.
costs, v. 2, ch. 4, p. 107.
- Horehound water (Lycopus uniflorus), v. 4, ch. 2, pp. 46, 53, 55.

- Hornblende,
fibers, v. 3, ch. 2, pp. 60-61.
- Hoskold formula, v. 5, ch. 12, pp. 13, 55, 60-61.
- Hospitals, see Health facilities.
- Housing, see Residential settlement.
- Hoyt Lakes (community),
economic importance of iron ore mining, v. 5, ch. 5, p. 10.
projected city expenditures with copper-nickel development,
v. 5, ch. 13, pp. 30-31, 33.
residential settlement, v. 5, ch. 7, p. 16.
residential settlement type, v. 5, ch. 7, p. 7.
"taconite town," v. 5, ch. 7, p. 10; v. 5, ch. 15, pp. 4-5.
- Human populations, v. 5, ch. 1; see also Demographics.
- Humidity, v. 3, ch. 3, pp. 47-48.
- Hunting,
maps of activity, v. 5, ch. 9, figure 5, 6.
- Hydraulic backfilling, see Backfilling.
- Hydrogen fluoride,
damage to vegetation, v. 4, ch. 2, pp. 144-145, 146.
elevated levels in zone 6, v. 4, ch. 2, p. 156.
- Hydrograph, v. 3, ch. 4, p. 33, figure 9.
- Hydrology, v. 3, ch. 4, pp. 5-8, 27-50.
hydrologic cycle, v. 3, ch. 4, pp. 29-30.
impacts, v. 3, ch. 4, pp. 18-21, 120-149.
criteria for assessing, v. 3, ch. 4, pp. 125-127.
factors affecting, v. 3, ch. 4, pp. 120-122.
mitigation, v. 3, ch. 4, pp. 127-128.
post-operational phase of mining, v. 3, ch. 4, pp. 143-144.
- Hydrometallurgy, v. 2, ch. 4, pp. 62-64; see also Metallurgy;
Pyrometallurgy.
advantages and disadvantages, v. 2, ch. 4, pp. 63-64.
for sulfides, v. 2, ch. 4, p. 7.
summary of systems, v. 2, ch. 4, tables 7, 8.
- Hypoxylon canker, v. 4, ch. 2, p. 95.

I -

- Ilmenite, v. 3, ch. 1, p. 64, figure 26.
from tailings, v. 2, ch. 3, p. 88.
- Inclusions,
correlation with mineralization, v. 3, ch. 1, pp. 40-41.
types, v. 3, ch. 1, table 13.
- INCO,
bulk samples, v. 2, ch. 1, p. 20.
domination of nickel industry, v. 5, ch. 14, p. 37.
exploration in zones 1 & 2, v. 2, ch. 1, p. 10.
federal lease terms, v. 5, ch. 12, pp. 86-87.
federal mineral lease, v. 5, ch. 4, p. 20.
Maturi shaft, v. 3, ch. 1, pp. 44.
mineral lease, v. 2, ch. 1, p. 7.
mining lease signed, v. 2, ch. 1, p. 6.
Minnesota surface lease, v. 5, ch. 4, p. 21.

- INCO (continued)
operating plans, v. 5, ch. 5, p. 20.
proposed capacity of operation, v. 2, ch. 5, p. 4.
Shebandowan Mine,
 water production, v. 2, ch. 2, p. 18.
Spruce Road pit, v. 3, ch. 1, p. 44.
- Income,
 corporate,
 effect on dcfrr, v. 5, ch. 17, pp. 20-27.
 disposable,
 in Ely, v. 5, ch. 16, p. 21.
 generated by Cu-Ni development, v. 5, ch. 15, pp. 23-24.
 generated by tourist sales in Ely, v. 5, ch. 16, p. 19.
 impact of sales in Ely, v. 5, ch. 16, pp. 14-15.
 individual, v. 5, ch. 15, pp. 9-10, table 2.
 direct impact of copper-nickel development, v. 5, ch. 15,
 pp. 21-24.
 per employee with copper-nickel development, v. 5, ch. 15, p. 3.
- Income tax, see also Net proceeds tax; Occupation tax.
 corporate, v. 5, ch. 12, pp. 17-19, 26-27, 28, 42-46.
 deductions, v. 5, ch. 15, pp. 39, 40.
 effect on dcfrr, v. 5, ch. 17, p. 43.
 individual, v. 5, ch. 12, pp. 50-51.
- Indians, see Native Americans.
- Inflation,
 possible in Ely during "boom" cycle, v. 5, ch. 16, pp. 26, 27.
- Inland Steel Mining Co., v. 5, ch. 5, p. 3.
 Minnesota lease, v. 5, ch. 4, p. 21.
 projected production of Minorca operation, v. 5, ch. 5, p. 15.
- Inland Waterway System, see Waterways.
- Input/output, v. 5, ch. 15, pp. 14-17, table 3.
- Inter-city Minnesota Pipelines, Ltd., v. 5, ch. 11, p. 4.
- International Gas Ltd., Inc., v. 5, ch. 11, p. 4.
- International Nickel Company, see INCO.
- Inter-Provincial-Lakehead Pipeline System, v. 5, ch. 11, p. 8.
- Intrusions,
 Bald Eagle, v. 3, ch. 1, pp. 47-48.
 South Kawishiwi, v. 3, ch. 1, pp. 44-49.
- Invertebrates,
 in lakes, v. 4, ch. 1, pp. 36-37.
- Iron,
 concentrations in foliage, v. 4, ch. 2, p. 160.
 effect on health, v. 5, ch. 2, pp. 74-76.
 in particulates, v. 3, ch. 3, p. 130, figure 70, table 52.
 deposition, v. 3, ch. 3, p. 137.
 removal from concentrate in smelting process, v. 2, ch. 4, p. 16.
 in soils, v. 3, ch. 1, p. 31.
- Iron ore,
 magnetite, v. 3, ch. 1, p. 64, figure 26.
 problem in smelting, v. 2, ch. 4, p. 17.
 from tailings, v. 2, ch. 3, pp. 88, 89.
 magnetite silicious taconite, v. 5, ch. 5, pp. 9-10.
 magnetite taconite ore reserves, v. 5, ch. 5, p. 9, table 2.
 production capacities by company, v. 5, ch. 5, table 4.

Iron ore (continued)

- reserves, v. 5, ch. 5, pp. 5, 8-9, table 1, 2.
- resource estimates, v. 5, ch. 5, p. 1.
- shipment of natural ore, v. 5, ch. 5, p. 7.
- shipment of taconite pellets, v. 5, ch. 8, p. 9.
- taconite,
 - production, v. 5, ch. 5, pp. 9-10.
 - reserves, v. 5, ch. 5, p. 13.
 - resource life, v. 5, ch. 5, pp. 9-10.
- taconite pellets transported by rail, v. 5, ch. 8, pp. 7-8.
- Iron ore mines and mining, v. 5, ch. 5, pp. 5-17.
 - capital and operating costs, v. 2, ch. 3, p. 12.
 - companies with state leases, v. 5, ch. 4, p. 21.
 - current operations, v. 5, ch. 5, p. 7.
 - in economy of Study Area, v. 5, ch. 15, pp. 5-6.
 - effect on historical residential settlement patterns, v. 5, ch. 7, pp. 8-10.
 - effect on population, v. 5, ch. 1, pp. 3-4.
 - energy requirements, v. 2, ch. 3, pp. 11-12.
 - exemption of taconite operations from corporate income tax, v. 5, ch. 12, pp. 43-44.
 - expansion,
 - effect on historic sites, v. 5, ch. 10, pp. 8-9.
 - effect on recreation, v. 5, ch. 9, pp. 26-30, figure 16, table 3.
 - flooded pits, v. 5, ch. 5, pp. 6-7.
 - future production, v. 5, ch. 5, pp. 12-17.
 - history in Ely, v. 5, ch. 16, pp. 7-8.
 - industry expansion plans, v. 5, ch. 5, pp. 14-15.
 - natural ore, v. 5, ch. 5, pp. 5-7.
 - possible conflicts with copper-nickel development, v. 5, ch. 5, p. 28.
 - potential taconite facility area, v. 5, ch. 5, pp. 16-17.
 - projected electricity consumption, v. 5, ch. 11, pp. 17-18, table 11.
 - projected production capacities, v. 5, ch. 1, table 3.
 - streams affected, v. 4, ch. 1, pp. 23-24.
 - supplying water needs for copper-nickel mining, v. 3, ch. 4, p. 130.
 - taconite, v. 5, ch. 5, pp. 8-17.
 - underground potential, v. 5, ch. 5, pp. 15-16.
 - water requirements, v. 2, ch. 3, pp. 12-13.
 - water use, v. 5, ch. 5, p. 11.
- Iron ore processing,
 - comparison to copper-nickel processing, v. 2, ch. 3, pp. 11-13.

J -

- Jay, blue (Cyanocitta cristata), v. 4, ch. 2, pp. 62, 73.
- Jay, gray (Perisoreus canadensis), v. 4, ch. 2, p. 6, 51, 77.
- Johnson, Lloyd K.,
 - federal mineral lease, v. 5, ch. 4, p. 20.
 - prospecting permit, v. 5, ch. 4, p. 20.

- Johnson Lake,
lakeshore development, v. 5, ch. 7, pp. 12-13.
- Jones & Laughlin,
taconite production facilities, v. 5, ch. 5, pp. 16-17.
- Junco, dark-eyed (Junco hyemalis), v. 4, ch. 2, p. 50.
- Juneberry (Amelanchier spp.), v. 4, ch. 2, pp. 56, 65, 66, 69, 75.
- Juniper Island Nature Conservancy Preserve, v. 5, ch. 10, p. 8.

K -

- Kawishiwi River, v. 4, ch. 1, pp. 22-23.
sensitivity, v. 4, ch. 1, p. 47.
- KAX (potassium amyl xanthate), see Flotation, chemical reagents,
xanthates.
- Keeley Creek National Natural Landmark (proposed), v. 5, ch. 5,
p. 27; v. 5, ch. 10, p. 6.
possible displacement by mining activity, v. 5, ch. 10, pp. 10-11.
- Keeley Creek Research Natural Area, v. 4, ch. 2, p. 104; v. 5, ch. 5,
p. 27; v. 5, ch. 10, p. 5.
protection from mine development, v. 5, ch. 9, p. 14.
- Keweenaw series, v. 3, ch. 1, pp. 9-13.
- Kennecott Copper Corp., see Bear Creek Mining Co.
- Kinglet, ruby crowned (Regulus calendula), v. 4, ch. 2, p. 6.
- Knife Lake Group, v. 3, ch. 1, p. 6.

L -

- Labor force, see Personnel.
- Ladels,
air emissions, v. 2, ch. 4, pp. 79-80.
- Ladyslipper (Cypripedium acaule), v. 4, ch. 2, p. 57.
- Lagoons,
for treatment of sludge, v. 2, ch. 4, pp. 146-147.
- Lake County,
state aid from severance tax, v. 5, ch. 12, pp. 62-63.
- Lake Vermilion formation, v. 3, ch. 1, p. 6.
- Lakeland (community),
residential settlement, v. 5, ch. 7, p. 17.
- Lakes, see also under names of specific lakes, i.e., Vermilion Lake.
algal blooms, v. 4, ch. 1, pp. 106-108.
aquatic organisms, v. 4, ch. 1, pp. 7-8, 10-11.
biological characteristics, v. 4, ch. 1, pp. 34-43.
buffering, v. 3, ch. 4, p. 9, 57-60.
buffering effect of lake volume on mining discharge, v. 3, ch. 4,
p. 205.
currently impacted by mining, v. 4, ch. 1, pp. 42-43.
hydrology, v. 3, ch. 4, pp. 42-43, table 8.
ice cover, v. 3, ch. 3, p. 49, table 12.
impacts of mining on water quality, v. 3, ch. 4, p. 207.
impacts of secondary development on trophic levels, v. 4, ch. 1,
pp. 107-108.

Lakes (continued)

- likely to be affected by acid precipitation, v. 4, ch. 1, p. 85.
- MDNR Fisheries classification, v. 4, ch. 1, p. 38, figure 24.
- nutrients, v. 4, ch. 1, pp. 32-34.
- physical and chemical conditions, v. 4, ch. 1, pp. 31-34.
- possible level changes, v. 3, ch. 4, p. 126.
- relationship to streams, v. 4, ch. 1, pp. 43-45.
- sensitivity, v. 4, ch. 1, pp. 47-48.
- supplying water for mining operation, v. 3, ch. 4, pp. 133-134.
- trophic status, v. 4, ch. 1, pp. 28-29, 32-34.
- trophic status and MDNR fisheries classifications, v. 4, ch. 1, pp. 40-41.
- water quality impacts of mining, v. 3, ch. 4, pp. 204-207.
- zones, v. 4, ch. 1, pp. 27-28.

Lakeshore property,

- effect of increase on aquatic biota, v. 4, ch. 1, p. 106.

Lakeshore residential development, v. 5, ch. 7, pp. 11-13.

Land,

- available for copper-nickel development, v. 5, ch. 5, p. 29, table 8.
- available for residential growth, v. 5, ch. 7, figure 1.
- impacts of land appropriation on terrestrial ecosystems, v. 4, ch. 2, pp. 118-134.
- requirements for copper-nickel development, v. 5, ch. 5, pp. 24-25.
- requirements for different development models, v. 4, ch. 2, pp. 119-121, table 19.
- requirements for exploration and mining phase, v. 2, ch. 5, p. 24.
- requirements for mining operation, v. 2, ch. 4, p. 167.
- relationship to mine production, v. 4, ch. 2, pp. 2-3, figure ii.
- requirements for new residential settlement, v. 5, ch. 7, pp. 51-52, table 31, 32.
- requirements for processing phase, v. 2, ch. 5, pp. 26-27.
- requirements for waste rock piles, v. 2, ch. 5, pp. 51-52, table 27, figure 28.

Land cover, see also Land use-land cover.

- categories, v. 5, ch. 3, p. 2, table 1.
- definition, v. 5, ch. 3, p. 1.
- projected for year 2000, v. 5, ch. 3, table 2, 19-24.

Land ownership, v. 5, ch. 3, pp. 11-13; v. 5, ch. 4.

- disputes, v. 5, ch. 4, pp. 7-8.
- public and private, v. 5, ch. 4, pp. 3-5, table 2.
- public lands affecting residential development, v. 5, ch. 7, p. 21.

Land use, v. 1, ch. 5, pp. 31-33.

- changes due to increased traffic, v. 5, ch. 8, p. 21.
- conflicts, v. 5, ch. 3, pp. 13-14.
- definition, v. 5, ch. 3, p. 1.
- impacts of direct land use, v. 4, ch. 2, pp. 121-134.
- impacts of mining, v. 1, ch. 5, pp. 46-50.
- impacts of residential settlement, v. 5, ch. 7, pp. 49-52.
- increase in minelands, v. 5, ch. 5, pp. 2-3.
- minelands, v. 2, ch. 2, pp. 36-38, table 16.
- policy makers, v. 5, ch. 3, p. 11.
- projected for mining, v. 5, ch. 5, p. 17.
- residential use vs. mining use, v. 5, ch. 7, pp. 5-6, 49-52.
- taconite processing, v. 5, ch. 5, p. 10, table 3.

Land use (continued)

types, v. 2, ch. 2, pp. 35-36, table 15; v. 5, ch. 3, pp. 3-4.
and vegetation communities, v. 4, ch. 2, pp. 35-37.

Land use-land cover, v. 5, ch. 3.

correlations, v. 5, ch. 3, p. 4, figure 2.

direct impacts of mining, v. 5, ch. 3, pp. 14-16.

projected impacts to year 2000, v. 5, ch. 3, pp. 18-26.

secondary impacts of mining, v. 5, ch. 3, pp. 16-18.

Lattice leaf (*Goodyera* spp.), v. 4, ch. 2, p. 63.

Laurel, bog (*Kalmia polifolia*), v. 4, ch. 2, p. 44.

Laws,

governing mineral and land leases, v. 5, ch. 4, pp. 8-18.

Leachate, see Runoff water.

Leaching, v. 3, ch. 4, pp. 149-157.

dump,

in metal recovery, v. 2, ch. 4, p. 62.

effect on water quality, v. 3, ch. 4, p. 17.

heap,

in metal recovery, v. 2, ch. 4, pp. 62-63.

increased by acid precipitation, v. 4, ch. 2, pp. 150, 151.

possible increase from revegetation, v. 2, ch. 2, pp. 51-52.

reaction environment, v. 3, ch. 4, pp. 156-157.

of sludge, v. 2, ch. 4, p. 147.

in underground mines, v. 2, ch. 2, p. 18.

in waste rock piles, v. 3, ch. 4, pp. 167-168.

water conditions affecting leaching, v. 3, ch. 4, pp. 151-154.

water movement and kinetics of metal release, v. 2, ch. 2, p. 51.

Lead,

bio-accumulation, v. 4, ch. 2, p. 101.

effect on health, v. 5, ch. 2, p. 8, 76-78.

elevated levels in children, v. 5, ch. 2, pp. 38-39.

in particulates, v. 3, ch. 3, p. 130, figure 69, table 52.

in smelter gas streams, v. 3, ch. 3, p. 160, table 68.

in soils, v. 3, ch. 1, p. 32.

toxicity to aquatic biota, v. 4, ch. 1, p. 69, figure 32.

Lean ore, v. 3, ch. 2, pp. 35-38.

chemistry, v. 3, ch. 2, pp. 36-37.

composition, v. 3, ch. 2, pp. 35-38.

definition, v. 2, ch. 2, p. 24.

leaching potential of stockpiles, v. 2, ch. 2, p. 25.

mineralogy, v. 3, ch. 2, pp. 35-36.

physical characteristics, v. 3, ch. 2, pp. 37-38.

Lean ore piles,

differences from waste rock piles, v. 2, ch. 2, p. 50.

reclamation, v. 2, ch. 2, pp. 49-59; see also Waste rock piles,
reclamation.

Leases and leasing, see also under specific companies; i.e., INCO,
AMAX.

current status, v. 5, ch. 4, pp. 18-21.

federal, v. 5, ch. 12, pp. 84-87.

federal mineral leases,

current status, v. 5, ch. 4, pp. 19-20.

federal process vs. state process, v. 5, ch. 12, pp. 78-79.

federal regulations, v. 5, ch. 12, pp. 84-87.

Leases and leasing (continued)

- Minnesota mineral leases,
 - current status, v. 5, ch. 4, pp. 20-21.
 - and permitting procedures,
 - federal, v. 5, ch. 4, pp. 9-13.
 - state of Minnesota, v. 5, ch. 4, pp. 13-18.
 - state regulations, v. 5, ch. 12, pp. 79-84.
 - state rental rate, v. 5, ch. 12, p. 81.
 - of surface and mineral rights on public lands, v. 5, ch. 4, pp. 1-3.
- Leatherleaf (Chamaedaphne calyculata), v. 4, ch. 2, pp. 44, 48.
- Lemming, southern bog (Synaptomys cooperi), v. 4, ch. 2, p. 34.
- Leopold, Aldo. Sand County Almanac, v. 4, ch. 2, pp. 175-176.
- LHD units, see Machinery, load-haul-dump (LHD) units.
- Lichen, v. 4, ch. 2, p. 48.
 - rare species, v. 4, ch. 2, p. 33, 54.
- Lignon sulfonate,
 - as dust retardant on roads, v. 2, ch. 2, p. 66.
- Lily, bluebead (Clintonia borealis), v. 4, ch. 2, p. 48, 53, 75.
- Lime,
 - use in smelting, v. 2, ch. 4, pp. 16-17, 19.
- Limestone slurry scrubbing system, v. 2, ch. 4, p. 116, figure 51.
- Liming,
 - of acid tailing, v. 2, ch. 2, p. 47.
 - to ameliorate affects of acid precipitation, v. 2, ch. 2, p. 56.
- Litter decomposition, v. 3, ch. 1, pp. 37-39; v. 4, ch. 2, pp. 94-95.
 - slowed due to heavy metal loading, v. 4, ch. 2, pp. 139-144.
- Little, A.D., Co.,
 - copper forecasts, v. 5, ch. 14, pp. 26-28.
- Local economy (Ely), v. 5, ch. 16.
 - analysis methodology, v. 5, ch. 16, pp. 9-15.
 - export sales, v. 5, ch. 16, pp. 12-13, table 2.
 - firms, employment and sales for economic sectors, v. 5, ch. 16, table 1.
 - impact of copper-nickel development, v. 5, ch. 16, pp. 20-28.
 - sales to tourists, v. 5, ch. 16, pp. 17-20.
 - tourist-related economic sectors, v. 5, ch. 16, pp. 4-5.
- Local government,
 - comparison of state tax revenues to aid payments, v. 5, ch. 12, pp. 72-74, table 16, 17.
 - cost of administration, v. 5, ch. 13, p. 19, table 1.
 - cost projections, v. 5, ch. 13, pp. 24-34.
 - debt policy, v. 5, ch. 13, p. 15.
 - fiscal impacts of copper-nickel development, v. 5, ch. 13, pp. 34-53.
 - increase in expenditures due to increase in population, v. 5, ch. 13, pp. 3-4.
 - municipal cost multiplier, v. 5, ch. 13, pp. 12-13.
 - per capita expenditures, v. 5, ch. 13, pp. 13-14.
 - projected expenditures with copper-nickel development, v. 5, ch. 13, tables 9, 10, 11, 12.
 - revenue shortfall, v. 5, ch. 13, pp. 36-40.
 - revenue sources, v. 5, ch. 12, pp. 7-9.
 - service costs, v. 5, ch. 13, pp. 12-19.
 - service costs and revenue projections, v. 5, ch. 13.

Local government (continued)

- service costs vs. tax revenues, v. 5, ch. 17, pp. 40-41.
 - service functions and cost multipliers, v. 5, ch. 13, pp. 19-23.
 - state aids for development-related population, v. 5, ch. 12, pp. 58-74.
 - tacofite municipal aid, v. 5, ch. 12, p. 72.
 - taxes and state aids, v. 5, ch. 12, pp. 67-72.
- Lock and Dam 26, see Alton Lock and Dam 26.
- Long Lake,
lakeshore development, v. 5, ch. 7, p. 17.
- Longyear Drill Site, v. 5, ch. 10, p. 8.
- Lost Lake Swamp, v. 5, ch. 7, p. 13.
- Lowlands, see Wetlands.
- Lynx (Lynx lynx), v. 4, ch. 2, pp. 54, 90.

M -

Machinery,

- air compressors, v. 2, ch. 2, pp. 17-18.
 - electric shovels, v. 2, ch. 2, p. 10.
 - load-haul-dump (LHD) units, v. 2, ch. 2, p. 15.
 - trucks,
noise impacts, v. 3, ch. 5, pp. 29-36.
- McKinley (community),
residential settlement, v. 5, ch. 7, p. 16.

Macrophytes,

- in lakes, v. 4, ch. 1, pp. 35-36.

Magnesium,

- in soils, v. 3, ch. 1, p. 30.
- in surface water, v. 3, ch. 4, p. 54.

Magnetic separation,

- of tailings, v. 2, ch. 3, p. 89, table 14.

Magnetite, see Iron ore.

Malaxis, green (Malaxis unifolia), v. 4, ch. 2, p. 68.

Malenbaum, Wilfred,

- cobalt forecasts, v. 5, ch. 14, p. 45.
- copper forecasts, v. 5, ch. 14, pp. 24-25.
- nickel forecasts, v. 5, ch. 14, pp. 39-40, table 30.

Mammals,

- of alder carrs, v. 4, ch. 2, pp. 46-47.
- of black ash wetlands, v. 4, ch. 2, p. 55.
- of cedar bogs, v. 4, ch. 2, p. 54.
- of deciduous clearcuts, v. 4, ch. 2, p. 71.
- of deciduous mature stands, v. 4, ch. 2, pp. 74-75.
- habitat groupings, v. 4, ch. 2, p. 41, table 7B.
- of jack pine clearcuts, v. 4, ch. 2, pp. 60-61.
- of jack pine mature stands, v. 4, ch. 2, pp. 64-65.
- of mixed deciduous-coniferous uplands, v. 4, ch. 2, p. 76.
- rare species, v. 4, ch. 2, pp. 34-35.
- seasonal patterns, v. 4, ch. 2, pp. 28-29.
- of special interest in Study Area, v. 4, ch. 2, pp. 81-91.
- of spruce bogs, v. 4, ch. 2, pp. 49-50.
- of tamarack bogs, v. 4, ch. 2, p. 52.
- of white spruce uplands, v. 4, ch. 2, p. 68.

Manganese,

- from ocean mining, v. 5, ch. 14, p. 16.
- in soil, v. 3, ch. 1, p. 31.

Manpower, see Personnel.

Maple, mountain (Acer spicatum), v. 4, ch. 2, p. 72.

Maple, silver (Acer saccharinum), v. 4, ch. 2, p. 55.

Maple, sugar (Acer saccharum), v. 4, ch. 2, p. 68.

Marte (Martes americana), v. 4, ch. 2, pp. 49-50, 90-91, 103, 29.

Materials handling, see Transportation.

Mattes,

- mineral content, v. 2, ch. 4, table 2.

Maximum containment levels, v. 5, ch. 2, pp. 20-21.

Mayflies (Ephemeroptera), v. 4, ch. 1, p. 21.

Mercury,

- effect on health, v. 5, ch. 2, pp. 8-9, 78-80.
- in smelter gas streams, v. 3, ch. 3, p. 160, table 68.
- in water, v. 3, ch. 4, p. 11.

Mesabi Mountain Pit, v. 5, ch. 5, p. 7.

Mesabi Range, v. 3, ch. 1, pp. 7-8.

- geologic map, v. 3, ch. 1, figure 5.

Mesothelioma, v. 5, ch. 2, pp. 7-8.

Metal and Nonmetallic Mine Safety Act (PL 89-577), v. 5, ch. 2, p. 47.

Metal fume fever, v. 5, ch. 2, pp. 90-91.

Metal toxicity,

- amelioration by use of organic material, v. 2, ch. 2, p. 45.
- seed germination tests, v. 2, ch. 2, p. 45.

Metallurgy, see also Hydrometallurgy; Pyrometallurgy.

- smelter systems, v. 2, ch. 4, pp. 37-53.

Metals, v. 3, ch. 2, pp. 64-65.

- affinity for sulfur and oxygen, v. 2, ch. 4, pp. 18-19.
- assessment of aquatic impacts, v. 4, ch. 1, pp. 74-75.
- bio-accumulation as hazard to wildlife, v. 4, ch. 2, p. 99.
- concentrate analysis, v. 2, ch. 4, table 1.
- concentration in discharge water, v. 2, ch. 4, p. 156.
- effect on aquatic biology, v. 4, ch. 1, pp. 60-81.
- effect on aquatic ecosystems, v. 4, ch. 1, pp. 72-81.
- fungitoxicity and reduced litter decomposition, v. 4, ch. 2, p. 137.
- indicator species showing pollution, v. 4, ch. 1, pp. 73-74.
- loadings in soils, v. 4, ch. 2, pp. 139-144.
- loss from discarded slags, v. 2, ch. 4, pp. 6-7.
- as pollutants, v. 1, ch. 5, pp. 57-65.
- pollution mitigation, v. 4, ch. 1, p. 80.
- precious, v. 3, ch. 2, pp. 16-17, 65, table 28.
 - effect of sale on dcfrror, v. 5, ch. 17, pp. 26-27.
- prices needed for economically feasible operation, v. 5, ch. 17, pp. 59-63.
- protection limits for aquatic biota, v. 4, ch. 1, pp. 66-70, figure 34, table 22.
- recovery from concentrate, v. 2, ch. 5, p. 27.
- removal from aqueous mine waste, v. 3, ch. 4, pp. 211-212.
- response of aquatic biota, v. 4, ch. 1, pp. 62-63.
- in surface waters, v. 3, ch. 4, pp. 65-67.
- toxicity in waters in Study Area, v. 4, ch. 1, pp. 63-66.

Metals (continued)

- toxicity to aquatic biota in combination, v. 4, ch. 1, p. 70.
- in water, v. 3, ch. 4, pp. 185-187.
- Meteorology, see Climate.
- Mid-reach streams, v. 4, ch. 1, pp. 20-22.
 - canopy cover, v. 4, ch. 1, p. 20.
 - sensitivity, v. 4, ch. 1, p. 47.
- Mills, see Grinding mills.
- Mine/mill operation,
 - post-production water budget, v. 3, ch. 4, pp. 117-118.
- Mine water, v. 3, ch. 4, pp. 157-165.
 - factors influencing quality, v. 4, ch. 1, p. 60.
- Minelands, v. 5, ch. 5.
 - effect on residential settlement, v. 5, ch. 7, p. 22.
 - implications of increases, v. 5, ch. 3, pp. 25-26.
 - land cover, v. 5, ch. 3, p. 7.
 - land cover - year 2000, v. 5, ch. 3, pp. 19-20.
 - post-operational uses, v. 5, ch. 5, pp. 25-26.
 - taconite and copper-nickel, v. 5, ch. 5, pp. 31-33.
- Mineral industry, v. 5, ch. 14.
- Mineral Interest Taxation Law, v. 5, ch. 12, p. 50.
- Mineral leases, v. 2, ch. 1, pp. 5-6.
 - holders, v. 2, ch. 1, p. 7.
- Mineral Leasing Act of 1947, v. 5, ch. 4, p. 11; v. 5, ch. 12, p. 85.
- Mineral ownership, v. 5, ch. 4.
 - public and private, v. 5, ch. 4, pp. 5-7.
 - severed mineral interests, v. 5, ch. 4, p. 8; v. 5, ch. 12, pp. 49-50.
 - taxation of severed mineral interests, v. 5, ch. 12, pp. 61-62.
- Mineralization,
 - classification, v. 3, ch. 2, pp. 10-11, figure 7.
 - specifications for drill core use, v. 3, ch. 2, pp. 1-2.
- Mineralogy, v. 3, ch. 1.
 - non-sulfide, v. 3, ch. 1, pp. 64-66.
 - sulfide, v. 3, ch. 1, pp. 54-64.
- Minerals,
 - non-sulfide,
 - chemistry, v. 3, ch. 1, pp. 66-67.
 - elemental & chemical analysis, v. 3, ch. 1, table 26.
 - recovery, v. 3, ch. 2, pp. 6-11.
 - reserved minerals, v. 5, ch. 4, p. 13.
 - resource estimates, v. 1, ch. 3, pp. 6-12.
 - resource life, v. 3, ch. 2, pp. 11-13, table 4.
 - resource potential, v. 3, ch. 2.
 - resources, v. 3, ch. 2, pp. 3-11; v. 5, ch. 5, pp. 29-31.
 - table 9, 10.
 - sulfide, v. 3, ch. 1, p. 57, table 19, 20.
 - chemistry, v. 3, ch. 1, pp. 61-64.
 - elemental & chemical analysis, v. 3, ch. 1, p. 61, table 23, 25.
- Mines and mining, v. 1, ch. 4, pp. 16-18; v. 2, ch. 2; see also
 - Iron ore mines and mining; Open pit mines and mining;
 - Underground mines and mining.
- alternatives, v. 1, ch. 6, pp. 84-93.

Mines and mining (continued)

- capital and operating costs for integrated model, v. 2, ch. 5, table 15.
- combination method, v. 2, ch. 5, p. 8.
- combination model, v. 2, ch. 5, pp. 36, 38-39.
- combination open pit and underground, v. 2, ch. 2, pp. 22-23.
- Mines and mining,
 - data summary, v. 2, ch. 5, table 11.
 - deduction of development costs for income tax purposes, v. 5, ch. 12, p. 42.
 - development models, v. 5, ch. 7, pp. 46-47, figure 21-34, table 29, 30.
 - development potential, v. 5, ch. 5, pp. 17-31.
 - effect of capital and operating costs on dcfrr, v. 5, ch. 17, p. 2.
 - effect of fluctuating production on tax revenues, v. 5, ch. 12, pp. 44-46, 52-54.
 - effect of time to full production and life of mine on dcfrr, v. 5, ch. 17, pp. 18-20.
 - effect on population, v. 5, ch. 1, pp. 14-28.
 - effect on terrestrial ecosystems, v. 4, ch. 2, pp. 118-134.
 - factors influencing impacts, v. 4, ch. 2, pp. 119-121.
 - groundwater inputs, v. 3, ch. 4, pp. 17-18.
 - history in Minnesota, v. 1, ch. 1, p. 1.
 - integrated models, v. 2, ch. 5, pp. 32-48.
 - noise impacts, v. 3, ch. 5, pp. 28-36.
 - open pit model, v. 2, ch. 5, pp. 35-36, 38.
 - open pit vs. underground, v. 1, ch. 6, pp. 87-89; v. 2, ch. 2, pp. 3-6.
 - capital and operating costs, v. 2, ch. 5, p. 7, figure 3, 4.
 - environmental considerations, v. 2, ch. 5, pp. 6-8, figure 2.
 - operating costs, v. 2, ch. 2, p. 3, table 1.
 - possible capacities, v. 2, ch. 5, pp. 3-5.
 - profitability, v. 5, ch. 17.
 - resource recovery,
 - open pit vs. underground mines, v. 3, ch. 2, p. 6.
 - siting, v. 2, ch. 5, p. 9; v. 5, ch. 5, pp. 22-24.
 - siting constraints, v. 5, ch. 5, pp. 26-28.
 - transportation demands, v. 5, ch. 8, pp. 14-15.
 - underground model, v. 2, ch. 5, pp. 36-38.
 - work force required, v. 5, ch. 15, pp. 21-24.
- MINESIM-4 computer program, v. 5, ch. 17, pp. 11-16.
- MINESITE computer program, v. 3, ch. 2, p. 6.
- Mining Protection Area, v. 5, ch. 10, p. 6.
- Mink (Mustela vison), v. 4, ch. 2, p. 29.
- Minnamax, see AMAX.
- Minnegasco,
 - demonstration peat gasification plant, v. 5, ch. 11, p. 8.
- Minnesota Compensation Rating Bureau, v. 5, ch. 12, p. 49.
- Minnesota Employment Services Law, v. 5, ch. 12, pp. 48-49.
- Minnesota Power and Light (MP&L), v. 5, ch. 11, p. 11, 16-17, 23, 27.
- Minnesota Severed Minerals Act (M.S. 93.52-93.58), v. 5, ch. 4, p. 8.
- Minnesota State Historic Preservation Office,
 - inventory, v. 5, ch. 10, p. 3.
- Minnesota Wild and Scenic Rivers Act of 1973, v. 5, ch. 10, p. 7.

- Mint, sweet (Mentha arvensis), v. 4, ch. 2, p. 55.
- Mississippi River,
shipping season, v. 5, ch. 8, pp. 12-13.
- Models,
air emissions, v. 3, ch. 3, pp. 11-13, 146-175.
cash flow (MINESIM-4), v. 5, ch. 17, pp. 11-16.
development, v. 2, ch. 5; v. 3, ch. 2, pp. 54-56.
variables, v. 2, ch. 5, pp. 10-32.
economic (SIMLAB), v. 5, ch. 15, pp. 10-18.
economic variables, v. 2, ch. 5, pp. 14-15, 30-32.
emission variables, v. 2, ch. 5, pp. 13-14, 29-30.
geological variables, v. 2, ch. 5, pp. 12-13, 19-21.
illustrative variables, v. 2, ch. 5, pp. 11-12, 15-19.
mining, v. 1, ch. 4, pp. 22-27.
noise, v. 3, ch. 5, pp. 20-45.
operating variables, v. 2, ch. 5, pp. 13, 21-29.
population, v. 5, ch. 1, pp. 7-28.
representative vs. predictive, v. 2, ch. 5, p. 2
residential settlement, v. 5, ch. 7, pp. 30-37.
taxation, v. 5, ch. 12, pp. 19-21.
water quality, v. 3, ch. 4, pp. 149-183.
- Molluscs,
sensitivity to metal pollution, v. 4, ch. 1, p. 73.
- Montana,
tax revenues over life of mine, v. 5, ch. 17, appendix C.
taxation of mineral industries, v. 5, ch. 17, pp. 51-57,
appendix A.
- Monzonite, v. 3, ch. 1, p. 7.
- Moore, Warren S., Co.,
federal mineral lease, v. 5, ch. 4, p. 20.
mineral lease, v. 2, ch. 1, p. 7.
- Moose (Alces alces), v. 4, ch. 2, pp. 14, 28-29, 45, 76, 83.
- Morbidity, v. 5, ch. 2, pp. 27-30.
in areas of previous copper-nickel development, v. 5, ch. 2,
pp. 36-39.
- Mortality rate, v. 5, ch. 1, p. 8; v. 5, ch. 2, pp. 3, 4-5, 24-25,
27-30, table 2, 4.
in areas of previous copper-nickel development, v. 5, ch. 2,
pp. 36-39.
- Mortgage financing,
in Ely, v. 5, ch. 16, pp. 22-23.
- Mosses,
rare species, v. 4, ch. 2, p. 33.
Sphagnum, v. 4, ch. 2, p. 45.
- Mosses, feather, v. 4, ch. 2, p. 53.
- Mouse, meadow jumping (Zapus hudsonicus), v. 4, ch. 2, pp. 28, 55,
61, 66.
- Mouse, woodland deer (Peromyscus maniculatus), v. 4, ch. 2, pp. 41,
54, 55, 60-61, 64, 71.
- Mouse, woodland jumping (Napaeozapus insignis), v. 4, ch. 2, pp. 28,
55, 74.
- Mud sumps,
pollution control aspects, v. 2, ch. 1, pp. 21-22.
- Mudminnow, central (Umbra limi), v. 4, ch. 1, p. 19.

Multipliers, see Economic base theory.
Municipal government, see Local government.
Munsell color scale, v. 3, ch. 1, p. 19.
Murphy Oil Co., v. 5, ch. 11, p. 8.
Muskrat (Ondatra zibethicus), v. 4, ch. 2, p. 28.

N -

National Environmental Policy Act of 1969, v. 5, ch. 4, pp. 10-11.
National Forests,
 law relating to leasing of lands, v. 5, ch. 12, p. 85.
 protection by law, v. 5, ch. 4, pp. 10-11.
National Register of Historic Places, v. 5, ch. 10, p. 3.
National Register of Natural Landmarks, v. 5, ch. 10, pp. 5-6.
National Wilderness Areas, v. 5, ch. 10, p. 6.
Native Americans,
 use of tax on severed mineral interests for loans, v. 5, ch. 12,
 p. 50.
Natural and scientific areas, v. 5, ch. 10; v. 5, ch. 10, pp. 4-8.
 impact of copper-nickel development, v. 5, ch. 10, pp. 9-20.
Natural gas, v. 5, ch. 11, pp. 4-8.
 curtailment of Canadian supplies, v. 5, ch. 11, pp. 5-6.
 distributors, v. 5, ch. 11, p. 4.
 industrial consumption, v. 5, ch. 11, pp. 5-6.
 potential new sources, v. 5, ch. 11, pp. 7-8.
 supply and consumption, v. 5, ch. 11, pp. 5-6.
Nature Conservancy, v. 5, ch. 10, p. 8.
Net proceeds tax, v. 5, ch. 12, p. 18.
Neumont Exploration, Ltd.,
 mineral lease, v. 2, ch. 1, p. 7.
New Jersey Zinc Co.,
 mineral lease, v. 2, ch. 1, p. 7.
New Mexico,
 tax revenues over life of mine, v. 5, ch. 17, appendix C.
 taxation of mineral industries, v. 5, ch. 17, pp. 51-57,
 appendix A.
Newton Lake formation, v. 3, ch. 1, p. 6.
Nickel,
 anodes,
 composition, v. 2, ch. 4, p. 54.
 as cause of cancer, v. 5, ch. 2, p. 6.
 concentrations in foliage, v. 4, ch. 2, pp. 160-161.
 consumption and price,
 CRU forecasts, v. 5, ch. 14, p. 40, table 31.
 demand, v. 5, ch. 14, pp. 35-36, table 25.
 Malenbaum forecasts, v. 5, ch. 14, pp. 39-40.
 tied to national economy, v. 5, ch. 14, pp. 36, 37.
 domestic markets, v. 5, ch. 8, p. 14.
 effect of market conditions on dcfrror, v. 5, ch. 17, p. 24.
 effect of mill recovery on dcfrror, v. 5, ch. 17, pp. 25-26.
 effect of ore grade on dcfrror, v. 5, ch. 17, p. 26.
 effect of price, mill recovery and ore grade on dcfrror, v. 5, ch.
 17, p. 2.

Nickel (continued)

- effect on health, v. 5, ch. 2, pp. 55-57, 80-82.
- effect on water quality of natural and scientific areas, v. 5, ch. 10, pp. 13-15.
- emissions from smelter, v. 2, ch. 4, p. 130.
- forecasts of supply, demand, and price, v. 5, ch. 14, pp. 37-42.
- income elasticity of demand, v. 5, ch. 14, p. 36.
- leading companies, v. 5, ch. 14, p. 11.
- loadings in soil, v. 4, ch. 2, pp. 139-140.
- market conditions, v. 1, ch. 3, pp. 12-15.
- Minnesota production costs, v. 5, ch. 14, p. 13.
- NIOSH standards, v. 5, ch. 2, p. 56.
- ore production in U.S., v. 2, ch. 2, p. 5.
- price, v. 5, ch. 14, p. 36, table 27.
- price and demand, v. 5, ch. 17, pp. 2, 4.
- pricing, v. 5, ch. 14, p. 12.
- recovery processes, v. 2, ch. 4, pp. 52-53.
- resource estimates, v. 1, ch. 3, pp. 6-12; v. 3, ch. 2, pp. 7-10, table 3; v. 5, ch. 5, pp. 18-19.
- in soils, v. 3, ch. 1, p. 32.
- sensitivity of demand to price changes, v. 5, ch. 17, p. 25.
- summary of forecasts, v. 5, ch. 14, pp. 41-42.
- toxicity, v. 2, ch. 4, p. 13.
- toxicity to aquatic biota, v. 4, ch. 1, pp. 67-68. figure 28.
- toxicity to aquatic biota in Study Area, v. 4, ch. 1, pp. 63-65.
- U.S. demand,
 - USBM forecasts, v. 5, ch. 14, p. 38, table 29.
- U.S. supply, v. 5, ch. 14, pp. 33-34.
 - USBM forecasts, v. 5, ch. 14, pp. 38-39, table 29.
- uses, v. 5, ch. 14, p. 11.
- world consumption, v. 5, ch. 14, p. 9, table 6.
- world resources, v. 5, ch. 14, p. 10, table 7.
- Nickel carbonyl ($\text{Ni}(\text{Co})_4$),
 - as carcinogen, v. 5, ch. 2, p. 6.
- Nickel industry, v. 5, ch. 14, pp. 9-13.
- Nickel subsulfide (Ni_3S_2),
 - as carcinogen, v. 5, ch. 2, p. 6.
- Nitrification,
 - reduction due to acid precipitation, v. 4, ch. 2, p. 151.
- Nitrogen,
 - deposition, v. 3, ch. 4, pp. 79-80.
 - as nutrient in water, v. 3, ch. 4, pp. 9-10.
- Nitrogen oxides,
 - damage to vegetation, v. 4, ch. 2, pp. 144, 146.
 - effect on health, v. 5, ch. 2, pp. 82-84.
 - emissions from smelter, v. 2, ch. 4, pp. 72-74, table 10.
 - formula for formation rate and concentrations, v. 2, ch. 4, pp. 72-73.
- Nitrogen: Phosphorus ratios, v. 3, ch. 4, p. 61, table 17.
- Nodule mining, see Ocean mining.
- Noise, v. 1, ch. 5, pp. 66-67; v. 3, ch. 5; see also Sound.
 - acoustic detectability, v. 3, ch. 5, p. 21.
 - audibility contours, v. 3, ch. 5, figure 9-20, 22-23.

Noise (continued)

- changes due to increased traffic, v. 5, ch. 8, p. 22.
 - common sounds in decibels, v. 3, ch. 5, figure 2.
 - control, v. 2, ch. 2, p. 32; v. 3, ch. 5, pp. 45-48.
 - effect on BWCA, v. 3, ch. 5, pp. 41-42.
 - effect on health, v. 5, ch. 2, pp. 57-58.
 - effect on recreation, v. 5, ch. 9, pp. 20-22.
 - effect on terrestrial ecosystems, v. 4, ch. 2, pp. 11, 163-166.
 - existing man-made sources, v. 3, ch. 5, pp. 5-7.
 - factors affecting audibility, v. 5, ch. 9, p. 21.
 - man-made, v. 3, ch. 5, pp. 19-20.
 - map of audibility contours, v. 5, ch. 9, figure 14.
 - masking sounds, v. 3, ch. 5, pp. 23-25.
 - models, v. 3, ch. 5, pp. 20-45.
 - multiple-source model, v. 3, ch. 5, pp. 39-41.
 - parameters affecting sound propagation, v. 3, ch. 5, pp. 21-22.
 - spectral characterization of Study Area, v. 3, ch. 5, pp. 7-9.
 - trucks as a source, v. 2, ch. 2, p. 12.
 - ventilation fans as source, v. 2, ch. 2, p. 17.
- Norite, v. 3, ch. 1, pp. 41-42.
- North Shore volcanic group, v. 3, ch. 1, pp. 9, 10, 11.
- Northeast Minnesota Economic Protection Fund, v. 5, ch. 12, pp. 39-40, 42.
- Northeastern Minnesota,
 - geological map, v. 3, ch. 1, figure 2.
- Northern Electric Power Co-Operative, v. 5, ch. 7, p. 24.
- Northern Natural Gas Co., v. 5, ch. 11, p. 4.
- Nursing homes, see Health facilities.
- Nuthatch, red-breasted (Sitta canadensis), v. 4, ch. 2, p. 64.
- Nutrients,
 - loss due to acid precipitation, v. 4, ch. 2, p. 151.
 - reduced recycling due to presence of heavy metals, v. 4, ch. 2, p. 138.
- O -
- Occupation tax, v. 5, ch. 12, pp. 18, 25-26, 32-36.
 - credits, v. 5, ch. 12, pp. 32-33, 36.
 - distribution of proceeds, v. 5, ch. 12, p. 33.
 - effect on defror, v. 5, ch. 17, p. 46.
- Ocean Management, Inc., v. 5, ch. 14, p. 13.
- Ocean mining, v. 1, ch. 3, p. 14; v. 5, ch. 14, pp. 12-13, 16.
- Oglebay-Norton, v. 5, ch. 5, p. 15.
- Oikocrysts, v. 3, ch. 1, p. 43.
- Oil,
 - as dust retardant on roads, v. 2, ch. 2, p. 66.
- Oil companies,
 - acquiring copper interests, v. 5, ch. 14, pp. 6-7.
- Olivine, v. 3, ch. 1, p. 65, figure 28.
 - from tailings, v. 2, ch. 3, p. 88.
- Omnibus Tax Law of 1971, v. 5, ch. 12, p. 63.
- Omnivores,
 - of special interest in Study Area, v. 4, ch. 2, pp. 86-87.

- One Pine Lake,
lakeshore development, v. 5, ch. 7, pp. 12-13.
- Open pit mines and mining, v. 2, ch. 2, pp. 6-13.
conversion of pit to lake, v. 2, ch. 2, pp. 38-40.
definition, v. 2, ch. 2, p. 1.
disseminated ore model, v. 3, ch. 2, pp. 18-19.
groundwater inputs, v. 3, ch. 4, pp. 101-102.
importance, v. 2, ch. 2, pp. 4-5, table 2.
integrated operation model, v. 2, ch. 5, pp. 40-42, table 15-20.
management of reclaimed lakes, v. 2, ch. 2, p. 40.
operating costs, v. 2, ch. 2, p. 9, table 5.
rate of filling with water, v. 2, ch. 2, p. 33.
water appropriation needs during drought, v. 3, ch. 4, pp. 129-130.
water quality, v. 3, ch. 4, pp. 163-165.
water quality in open pit lake, v. 2, ch. 2, pp. 39-40.
- Operating costs,
distribution, v. 5, ch. 17, p. 36.
effects on dcfrr, v. 5, ch. 17, pp. 35-38.
estimates and variability, v. 5, ch. 17, pp. 37-39.
for local government, v. 5, ch. 13, pp. 16-18.
for pollution control, v. 5, ch. 17, pp. 36-37.
variables for models, v. 2, ch. 5, pp. 30-32.
by year for integrated mine model, v. 2, ch. 5, table 15.
- Orchids, v. 4, ch. 2, p. 45.
rare species, v. 4, ch. 2, pp. 49, 52.
- Ore,
chemical composition, v. 3, ch. 1, p. 4, table 1, 2; v. 3, ch. 2, pp. 15-17, table 6.
chemistry, v. 3, ch. 2, pp. 13-17.
cutoff grade, v. 2, ch. 2, p. 3; v. 3, ch. 2, pp. 5-6, 25-27.
grade, v. 2, ch. 5, p. 19.
effect on dcfrr, v. 5, ch. 17, p. 62.
methods for determining value of deposit, v. 5, ch. 12, pp. 13, 14.
mineralogy, v. 3, ch. 2, p. 17, table 9.
produced over life of mine, v. 2, ch. 5, p. 16.
recovery, v. 2, ch. 5, pp. 20-21.
semi-massive, v. 3, ch. 2, pp. 22-25.
stripping ratio, v. 2, ch. 5, pp. 51-52, table 27, figure 28.
types, v. 3, ch. 2, pp. 13-25.
value,
Commissioner of Revenue, v. 5, ch. 12, pp. 34-35.
- Orthopyroxene, v. 3, ch. 1, p. 65.
- Osprey (Pandion heliaetus), v. 4, ch. 2, pp. 30, 34, 50, 88-89.
disturbances of nesting by noise, v. 4, ch. 2, pp. 164, 166.
- Otter (Lontra canadensis), v. 4, ch. 2, pp. 29, 89.
- Outdoor recreation, see Recreation.
- Output, see Gross output.
- Ovenbird (Seiurus aurocapillus), v. 4, ch. 2, p. 73.
- Overburden, v. 2, ch. 2, pp. 27-28, table 11; v. 3, ch. 2, pp. 25, 28-31.
depth in Study Area, v. 2, ch. 2, p. 64.
leaching from stockpiles, v. 2, ch. 2, pp. 64-65.
needed for construction, v. 3, ch. 1, p. 25, table 6.
pile construction, v. 2, ch. 2, p. 64.
removal, v. 2, ch. 2, p. 6.

Overburden (continued)

- segregation of soil layers, v. 2, ch. 2, p. 63.
- stockpiling, v. 2, ch. 2, pp. 27-28, 63-65.
- supply and demand, v. 3, ch. 2, pp. 29-31, table 10, 11, figure 9.
- use in topdressing, v. 2, ch. 2, pp. 46-47, 63-64.
- Owl, barred (Strix varia), v. 4, ch. 2, p. 30.
- Owl, great horned (Bubo virginianus), v. 4, ch. 2, pp. 30, 64, 88, 89.
- Owl, saw-whet (Aegolius acadicus), v. 4, ch. 2, p. 30.
- Oxygen,
 - energy required in production, v. 2, ch. 4, p. 29.
 - energy savings from use in smelting, v. 2, ch. 4, p. 29.
 - for enrichment of combustion air, v. 2, ch. 4, pp. 27-29.

P -

- Palladium, v. 5, ch. 5, p. 19.
- Palo (community), v. 5, ch. 7, p. 7.
 - residential settlement, v. 5, ch. 7, pp. 16, 17.
- Particulates, v. 1, ch. 5, p. 57; v. 3, ch. 3, pp. 100-145, 156-175;
 - see also Air emissions; Dust; Fibers.
 - air quality impact analysis, v. 3, ch. 3, pp. 213-229.
 - area sources, see Dust.
 - background concentrations, v. 3, ch. 3, pp. 104-127.
 - models, v. 3, ch. 3, pp. 121-127.
 - as cause of chronic respiratory diseases, v. 5, ch. 2, p. 6.
 - composition, v. 3, ch. 3, pp. 128-139, 159-161, table 67.
 - concentrations dependent on weather, v. 3, ch. 3, pp. 116-117.
 - control devices,
 - capital costs, v. 2, ch. 4, table 15, figure 46.
 - efficiency, v. 2, ch. 4, pp. 99-100, figure 45.
 - control devices for strong gas streams, v. 2, ch. 4, pp. 98-105.
 - control devices for weak gas streams, v. 2, ch. 4, pp. 120-121.
 - current levels in Study Area, v. 3, ch. 3, pp. 9-11.
 - decrease in concentrations during labor strike, v. 3, ch. 3, pp. 114-115.
 - deposited,
 - composition, v. 3, ch. 3, pp. 135-139.
 - deposition, v. 3, ch. 3, pp. 127-128, 225-227, table 49.
 - effect on health, v. 5, ch. 2, pp. 59-62, 84-86.
 - effect on terrestrial ecosystems, v. 4, ch. 2, pp. 136-144.
 - elemental composition, v. 3, ch. 3, table 84.
 - summary, v. 3, ch. 3, p. 129, table 50.
 - emission factors, v. 3, ch. 3, pp. 166-169, table 69.
 - emission from dryers, v. 2, ch. 4, p. 75.
 - fugitive emissions, v. 2, ch. 4, pp. 135-141.
 - control, v. 2, ch. 4, pp. 136-137, 138-140.
 - impact of mining on current levels, v. 3, ch. 3, pp. 15-17.
 - important characteristics, v. 2, ch. 4, pp. 98-99.
 - levels in communities, v. 3, ch. 3, p. 108-110.
 - levels on mine sites, v. 3, ch. 3, pp. 110-112.
 - long distance transport by wind, v. 3, ch. 3, pp. 115-116.
 - major source categories, v. 3, ch. 3, p. 120.

Particulates (continued)

- nonattainment areas, v. 3, ch. 3, figure 12.
- point sources, v. 3, ch. 3, pp. 213-222.
- projected decrease in emissions, v. 3, ch. 3, pp. 102-104.
- from roaster, v. 2, ch. 4, p. 75.
- size, v. 3, ch. 3, pp. 134-135, figure 74.
- size and composition, v. 3, ch. 3, pp. 172-174.
- smelter as point source, v. 3, ch. 3, pp. 156-158.
- sources, v. 3, ch. 3, pp. 101-104.
- summary by source category, v. 3, ch. 3, table 42.
- summary of emissions from smelter operations, v. 2, ch. 4, pp. 81-82.
- transport distances, v. 4, ch. 2, pp. 136-137.
- Partridge River troctolite, v. 3, ch. 1, pp. 47, 48.
- Pasture,
 - land cover, v. 5, ch. 3, p. 9.
 - land cover - year 2000, v. 5, ch. 3, p. 22.
- Pearly everlasting (Anaphalis margaritacea), v. 4, ch. 2, pp. 59, 68.
- Peat,
 - amount and types in Study Area, v. 3, ch. 1, p. 21.
 - use in topdressing, v. 2, ch. 2, p. 56.
- Peat gasification, v. 5, ch. 11, p. 8.
- Pebble mills, see Grinding mills.
- Pentlandite, v. 3, ch. 1, p. 60, figure 21.
- Peoples Natural Gas, v. 5, ch. 11, p. 4.
- Perch, yellow (Perca flavescens), v. 4, ch. 1, p. 21.
- Peridotite, v. 3, ch. 1, p. 42.
- Personnel,
 - construction requirements,
 - for exploration and mining phase, v. 2, ch. 5, p. 16.
 - for processing phase, v. 2, ch. 5, p. 17.
 - for smelter/refinery phase, v. 2, ch. 5, p. 18.
 - direct employment impact of copper-nickel development, v. 5, pp. 21-24.
 - employment,
 - effects outside Study Area, v. 5, ch. 15, pp. 37-38.
 - employment and payroll in copper-nickel development, v. 5, ch. 15, pp. 1-2.
 - employment for multiple mine development, v. 5, ch. 15, pp. 26-27.
 - employment in Ely resulting from tourist sales, v. 5, ch. 16, p. 18.
 - employment levels for open pit mining, v. 2, ch. 2, pp. 8-9.
 - impacts of copper-nickel development on employment, v. 1, ch. 5, pp. 74-76.
 - impacts of workforce type on residential settlement, v. 5, ch. 7, pp. 41-42.
 - indirect employment from copper-nickel development, v. 5, ch. 15, p. 2.
 - labor force participation rates, v. 5, ch. 1, pp. 8-9.
 - occupational distribution, v. 5, ch. 1, pp. 9-10.
 - operating requirements for
 - exploration and mining phase, v. 2, ch. 5, pp. 21-22.
 - processing phase, v. 2, ch. 5, p. 25.
 - smelter/refinery, v. 2, ch. 5, p. 27.

- Personnel (continued)
- for processing, v. 2, ch. 3, p. 9.
 - professional employment, v. 5, ch. 15, p. 5.
 - projected employment, v. 5, ch. 15, pp. 30-31.
 - requirements, v. 1, ch. 4, p. 26.
 - projections, v. 5, ch. 1, table 4.
 - requirements by year,
 - for integrated mine model, v. 2, ch. 5, table 17.
 - for smelter/refinery, v. 2, ch. 4, pp. 10-11, 166-167, table 42.
 - for taconite industry, v. 2, ch. 3, p. 12.
 - in underground mining, v. 2, ch. 2, pp. 19-20.
 - work force required, v. 5, ch. 15, pp. 21-24.
 - Petroleum, v. 5, ch. 11, pp. 8-9.
 - Pewee, eastern wood (Contopus virens), v. 4, ch. 2, pp. 63, 70.
 - Phelps Dodge Corp.,
 - mineral lease, v. 2, ch. 1, p. 7.
 - Phosphatases,
 - effect of heavy metals on activity, v. 4, ch. 2, p. 138.
 - Phosphorus,
 - as nutrient in water, v. 3, ch. 4, pp. 9-10.
 - Phthallic acid,
 - effect on leaching, v. 3, ch. 4, p. 154.
 - Physicians, see Health manpower.
 - Physiography, see Geomorphology.
 - Phytoplankton,
 - in lakes, v. 4, ch. 1, pp. 29, 35, table 10.
 - Pickands-Mather and Co., v. 5, ch. 5, p. 3.
 - Pierce-Smith converter, see Converters.
 - Piezometric surface, v. 3, ch. 4, p. 44.
 - Pike, northern (Esox lucius), v. 4, ch. 1, pp. 19, 21.
 - in lakes, v. 4, ch. 1, p. 40.
 - Pike, walleye (Stizostedion vitreum), v. 4, ch. 1, pp. 22, 39.
 - Pine, ground (Lycopodium obscurum), v. 4, ch. 2, p. 72.
 - Pine, jack (Pinus banksiana), v. 4, ch. 2, pp. 39, 56-65.
 - adaptation to forest fires, v. 4, ch. 2, pp. 57-58.
 - commercial use, v. 5, ch. 6, p. 13.
 - management practices, v. 4, ch. 2, pp. 58-59.
 - Pine, red (Pinus resinosa), v. 4, ch. 2, pp. 39, 65-67.
 - adaptation to forest fires, v. 4, ch. 2, p. 65.
 - commercial use, v. 5, ch. 6, p. 13.
 - management practices, v. 4, ch. 2, pp. 65-66.
 - Pine, white (Pinus strobus), v. 4, ch. 2, p. 69.
 - blister rust, see White pine blister rust.
 - commercial use, v. 5, ch. 6, p. 13.
 - pollution damage from sulfur dioxide, v. 4, ch. 2, pp. 148-150.
 - Pineville (community),
 - residential settlement, v. 5, ch. 7, p. 16.
 - Pink, grass (Calopogon pulchellus), v. 4, ch. 2, pp. 45, 52.
 - Pioneer Mine (Ely), v. 5, ch. 16, p. 7.
 - Piping,
 - in tailing basin embankments, v. 2, ch. 3, pp. 60-61, 64-65.
 - Pitcher plant (Sarracenia purpurea), v. 4, ch. 2, pp. 15, 44-45.
 - Pittsburgh Pacific Co., v. 5, ch. 5, p. 7.

- Pittsburgh Pacific Co. (continued)
Minnesota lease, v. 5, ch. 4, p. 21.
Plagioclase, v. 3, ch. 1, pp. 64-65, figure 27.
Plants, see Macrophytes; Vegetation.
Platinum, v. 5, ch. 5, p. 19.
Pogonia, rose (Pogonia ophioglossoides), v. 4, ch. 2, pp. 45, 52.
Pokegama quartzite, v. 3, ch. 1, p. 8.
Police, see Public protection.
Pollutants,
maximum containment levels, v. 5, ch. 2, pp. 20-21.
priority 1, v. 2, ch. 4, p. 128, table 26, 27, 28.
priority 2, v. 2, ch. 4, pp. 128, 130, table 27, 28.
routes of entering body, v. 5, ch. 2, pp. 12-13.
standards, v. 5, ch. 2, pp. 20-22.
threshold limit values, v. 5, ch. 2, p. 20.
Pollution,
from processing, v. 2, ch. 3, p. 99.
Pollution abatement equipment,
exemption from property tax, v. 5, ch. 12, p. 5.
Pollution control, v. 2, ch. 5, pp. 9-10.
capital costs and dcfrror, v. 5, ch. 17, pp. 30-31.
during exploratory stages, v. 2, ch. 1, pp. 20-26.
in mining operations, v. 2, ch. 2, pp. 31-32, table 12, 13.
in processing operations, v. 2, ch. 3, pp. 98-100.
in smelter/refinery, v. 2, ch. 5, pp. 42-48.
in smelting and refining operations, v. 2, ch. 4, pp. 64-162.
Population, v. 1, ch. 5, pp. 33-34; v. 5, ch. 2, p. 23; see also
Demographics.
effect of increase on health, v. 5, ch. 2, pp. 86-89.
growth,
effect on recreation, v. 5, ch. 9, pp. 5, 22-23.
impacts of copper-nickel development, v. 1, ch. 5, pp. 76-77;
v. 5, ch. 1, pp. 16-28.
impacts of multiple mine development, v. 5, ch. 1, pp. 22-27.
impacts of single mine/mill with smelter/refinery, v. 5,
ch. 1, pp. 17-22.
increase due to taconite mining expansion ,
effect on recreation, v. 5, ch. 9, pp. 29-30.
projected immigration, v. 5, ch. 7, pp. 33-35.
projected out migration, v. 5, ch. 7, pp. 36-37.
projections, v. 5, ch. 1, pp. 12-14.
Porcupine (Erithizon dorsatum), v. 4, ch. 2, pp. 28, 64-65.
Porphyry copper, see Copper.
Potassium,
in surface water, v. 3, ch. 4, p. 54.
Potassium amyl xanthate, see Flotation, chemical reagents, xanthates.
Powerline gabbro, v. 3, ch. 1, p. 48.
Precambrian rocks, v. 3, ch. 1, pp. 5-6, table 3.
Precipitation, v. 3, ch. 3, pp. 50, 64-75; v. 3, ch. 4, pp. 30-31,
figure 8.
average monthly and annual for cities in Study Area, v. 3, ch. 3,
table 21, figure 29.
heavy rainfalls, v. 3, ch. 3, pp. 68-69, table 22, 23.

- Precipitation (continued)
- influence of Lake Superior, v. 3, ch. 3, pp. 77-78.
 - long-term variations, v. 3, ch. 3, pp. 67-68.
 - monthly variations at Babbitt, v. 3, ch. 3, pp. 69-71.
 - seasonal variations, v. 3, ch. 3, pp. 64-66, table 20.
 - snowfall, v. 3, ch. 3, pp. 72-75.
 - depth on ground, v. 3, ch. 3, pp. 74-75.
 - spatial variations, v. 3, ch. 3, pp. 66-67.
 - during Study period(1976-1978), v. 3, ch. 3, pp. 71-72, table 25.
- Prevention of significant deterioration (PSD), see Air Quality, prevention of significant deterioration (PSD).
- Processing, v. 1, ch. 4, pp. 18-20; v. 2, ch. 3.
- chemicals,
 - effect on health, v. 5, ch. 2, pp. 89-90.
 - energy requirements, v. 2, ch. 3, p. 9.
 - fresh (make-up) water requirements, v. 3, ch. 4, p. 16.
 - outputs, v. 3, ch. 2, pp. 39-63.
 - plant life cycle, v. 2, ch. 5, p. 17.
 - plant production capacity, v. 2, ch. 5, p. 17.
 - potential areas for cost improvement, v. 2, ch. 3, p. 98.
- Processing facilities,
- areal requirements, v. 2, ch. 3, pp. 8-9.
 - capital investment required, v. 2, ch. 3, p. 10.
 - construction, v. 2, ch. 3, p. 7.
 - flow of materials, v. 2, ch. 3, pp. 1-2, figure 2.
 - operating costs, v. 2, ch. 3, p. 11.
 - production capacities, v. 2, ch. 3, pp. 5-6.
 - site layout and areal requirements, v. 2, ch. 3, pp. 94-96.
 - site reclamation, v. 2, ch. 2, pp. 59-61; v. 2, ch. 3, pp. 100-101.
 - siting, v. 2, ch. 3, p. 6.
 - soil compaction and heavy metal contamination, v. 2, ch. 2, p. 61.
 - visual impacts, v. 2, ch. 2, p. 60, figure 19, 20; v. 2, ch. 3, pp. 95-96.
- Production tax, see Severance tax.
- Productivity,
- projected increases, v. 5, ch. 15, pp. 30, 32-33.
 - of workers, v. 5, ch. 1, pp. 11-12.
- Profitability, see Discounted cash flow rate of return.
- Propagation loss (of sound), see Sound propagation.
- Propane, v. 5, ch. 11, p. 9.
- Property tax, v. 5, ch. 12, pp. 12-15, 55-58.
- determining taxable valuation, v. 5, ch. 12, pp. 55-56.
 - effect on dcfrror, v. 5, ch. 17, p. 42.
 - homestead credits, v. 5, ch. 12, p. 62.
 - revenues to counties, v. 5, ch. 12, pp. 60-61.
 - revenues to local governments, v. 5, ch. 12, pp. 67-68.
 - revenues to school districts, v. 5, ch. 12, p. 64.
 - state reimbursement for homestead credits, v. 5, ch. 12, p. 68.
- Prospecting permits, v. 2, ch. 1, p. 5; v. 5, ch. 4, pp. 10-12.
- first issued in Minnesota for copper-nickel, v. 2, ch. 1, p. 6.
 - regulation and cost, v. 5, ch. 12, pp. 85-86.
- PSD (Prevention of Significant Deterioration), see Air quality, prevention of significant deterioration (PSD).
- Public Health, see Health.

- Public protection,
cost, v. 5, ch. 13, pp. 19-20, table 2.
- Puccoon, hoary (Lithospermum canescens), v. 4, ch. 2, p. 97.
- Puckwunge formation, v. 3, ch. 1, pp. 9-10.
- Pulpwood,
value of production, v. 5, ch. 15, pp. 6-7.
- Purcel, J.,
Special Use Permit in SNF, v. 5, ch. 4, p. 19.
- Purvis Lake-Ober Foundation, Scientific and Natural Area, v. 5, ch. 10,
p. 7.
- Pyrometallurgy, v. 2, ch. 4, pp. 15-37; see also Hydrometallurgy;
Metallurgy.
applications to Minnesota copper-nickel, v. 2, ch. 4, pp. 52-53.
equipment and apparatus, v. 2, ch. 4, table 4.
equipment features and design, v. 2, ch. 4, table 4, figure 16-27.
smelter systems, v. 2, ch. 4, pp. 37-53.
- Pyrrhotite, v. 3, ch. 1, p. 60, figure 22; v. 3, ch. 2, p. 46.

R -

- Raccoon (Procyon lotor), v. 4, ch. 2, p. 28.
- Railroad troctolite, v. 3, ch. 1, pp. 46-47.
- Railroads, v. 5, ch. 8, pp. 6-9, figure 8.
abandonment, v. 5, ch. 8, p. 7, figure 9.
ability to handle projected demands, v. 5, ch. 8, pp. 15-16.
capacity, v. 5, ch. 8, pp. 8-9.
centralized traffic control (CTC) system, v. 5, ch. 8, pp. 8-9.
construction cost, v. 5, ch. 8, p. 15.
map, v. 5, ch. 8, figure 8.
for mine haulage, v. 2, ch. 2, p. 12.
noise impacts, v. 3, ch. 5, pp. 37-38.
for ore haulage, v. 2, ch. 2, pp. 15-16.
present and projected use, v. 5, ch. 8, pp. 7-8.
- Rain, see Precipitation.
- Rainy River Watershed, v. 3, ch. 4, p. 5.
- Raptors, v. 4, ch. 2, pp. 88-89.
rare species, v. 4, ch. 2, p. 34.
seasonal patterns, v. 4, ch. 2, pp. 29-30.
- Rare species,
reported in Study Area, v. 4, ch. 2, pp. 31-35, table 5.
- RARE II, see Roadless areas.
- Raspberry (Rubus idaeus), v. 4, ch. 2, pp. 59, 63, 66.
- Raspberry, arctic (Rubus acaulis), v. 4, ch. 2, pp. 52, 98.
- Raven (Corvus corax), v. 4, ch. 2, pp. 64, 73, 77.
- Reclamation, v. 1, ch. 5, pp. 47-48; v. 2, ch. 2, pp. 33-67;
v. 4, ch. 2, p. 116.
of areas impacted by air pollution, v. 4, ch. 2, pp. 157-158.
of bulk sample sites, v. 2, ch. 1, pp. 24-26.
capital costs and defrort, v. 5, ch. 17, pp. 32-33.
definition, v. 2, ch. 2, p. 33.
of drill site, v. 2, ch. 1, p. 22.
of iron ore mines, v. 5, ch. 5, p. 7.
possible uses of reclaimed land, v. 2, ch. 2, p. 36, table 15.

- Reclamation (continued)
for potential wilderness areas, v. 2, ch. 2, pp. 33-34.
of processing facility site, v. 2, ch. 3, pp. 100-101.
uses for reclaimed land, v. 5, ch. 5, table 6.
- Recreation, v. 5, ch. 9.
activities, v. 5, ch. 9, pp. 8-9.
cost, v. 5, ch. 13, p. 21, table 5.
economic importance, v. 5, ch. 9, pp. 11-12.
facilities, v. 5, ch. 9, pp. 2-3, 6, 7-8.
map, v. 5, ch. 9, figure 2, 3.
features inhibiting use, v. 5, ch. 9, p. 10.
features promoting use, v. 5, ch. 9, p. 10.
impacts of copper-nickel development, v. 5, ch. 9, pp. 4-5, 12-30.
land based, v. 5, ch. 9, p. 9.
potential decrease due to taconite industry expansion, v. 5, ch. 9, pp. 27-29.
public lands in Study Area, v. 5, ch. 9, p. 8, figure 4.
use of waste rock piles as ski slopes, v. 2, ch. 2, pp. 58-59.
use patterns, v. 5, ch. 9, pp. 9-10.
maps, v. 5, ch. 9, figure 5-10.
water-based, v. 5, ch. 9, p. 9.
- Recreational lands,
direct consumption for mining use, v. 5, ch. 9, pp. 14-15.
effect on residential settlement, v. 5, ch. 7, pp. 28-29.
potential decreases, v. 5, ch. 9, pp. 13-15.
- Redpoll, common (*Acanthis flammea*), v. 4, ch. 2, p. 64.
- Refinery, see also Smelter/refinery.
- Refining, v. 1, ch. 4, pp. 21-22; v. 2, ch. 4; v. 2, ch. 4, pp. 54-61;
see also Electrorefining.
fire, v. 2, ch. 4, pp. 55-56.
- Refining furnaces, see also Furnaces.
rotary-anode, v. 2, ch. 4, p. 55.
- Regional economy,
base industries, v. 5, ch. 15, pp. 5-9.
benefits from mining companies' expenditures, v. 5, ch. 15, p. 25,
table 5.
characteristics, v. 5, ch. 15, pp. 4-10.
direct impacts of copper-nickel development, v. 5, ch. 15, pp. 21-27.
economic sectors, v. 5, ch. 15, pp. 33-36, table 7, 8.
effect of multiple mine operations, v. 5, ch. 15, pp. 26-27.
impacts of copper-nickel development, v. 5, ch. 15.
impacts of copper-nickel development on region outside of Study
Area, v. 5, ch. 15, pp. 36-38.
indirect impacts of copper-nickel development, v. 5, ch. 15, pp.
28-33.
multiplier effect, v. 5, ch. 15, pp. 31-33.
- Research Natural Areas, v. 5, ch. 10, pp. 4-5; see also Keeley Creek
Research Natural Area.
- Reserve Mining Co., v. 5, ch. 5, p. 3.
Minnesota surface lease, v. 5, ch. 4, p. 21.
railroad, v. 5, ch. 8, pp. 6-7, 8.
Special Use Permit in SNF, v. 5, ch. 4, p. 19.
- Reserves, see also Copper, resource estimates; Nickel, resource
estimates.

Reserves (continued)

definition, v. 3, ch. 2, p. 10.

Reservoirs,

reclamation, v. 2, ch. 2, p. 67.

Residential/commercial,

land cover, v. 5, ch. 3, p. 8.

implications of increases, v. 5, ch. 3, pp. 25-26.

land cover - year 2000, v. 5, ch. 3, pp. 20-21.

Residential settlement, v. 1, ch. 5, pp. 33-34; v. 5, ch. 7.

copper-nickel generated distribution, v. 5, ch. 7, pp. 37-38,
figure 10-20, table 25.

distribution and growth, v. 5, ch. 7, pp. 2-3.

East Range sub-region, v. 5, ch. 7, pp. 16-17.

effect of growth on natural and scientific areas, v. 5, ch. 10,
pp. 19-20.

effect of growth on recreation, v. 5, ch. 9, pp. 23-24.

in Ely, v. 5, ch. 16, pp. 21-24.

Ely-Northeastern Resort sub-region, v. 5, ch. 7, pp. 10-13.

Embarrass sub-region, v. 5, ch. 7, pp. 14-15.

existing patterns, v. 5, ch. 7, pp. 6-29.

factors affecting location, v. 5, ch. 7, pp. 21-29.

growth, v. 5, ch. 7, pp. 18-21.

history, v. 5, ch. 7, pp. 8-10.

housing construction in Ely, v. 5, ch. 16, p. 5.

housing types,

frequency in Ely, v. 5, ch. 16, p. 22.

housing values in Ely, v. 5, ch. 16, p. 22.

impacts of copper-nickel development, v. 5, ch. 7, pp. 29-52.

impacts of mine life, v. 5, ch. 7, pp. 48-49.

impacts of mine location, v. 5, ch. 7, pp. 38-41.

impacts of mine size and multiple mine development, v. 5, ch. 7,
pp. 46-47.

impacts of workforce type, v. 5, ch. 7, pp. 41-42.

increase due to taconite mining expansion,

effect on recreation, v. 5, ch. 9, pp. 29-30.

location, v. 5, ch. 7, pp. 3-4.

model assumptions, v. 5, ch. 7, pp. 30-32.

projected growth, v. 5, ch. 7, pp. 4-5.

projections, v. 5, ch. 7, pp. 43-49.

seasonal homeowners in Ely, v. 5, ch. 16, p. 19, table 9.

Southeastern sub-region, v. 5, ch. 7, p. 10.

sub-regions (five), v. 5, ch. 7, pp. 10-17.

Tower-Vermilion Resort sub-region, v. 5, ch. 7, pp. 13-14.

types, v. 5, ch. 7, pp. 7-8.

Resource Conservation and Recovery Act of 1976 (P.L. 94-580),

v. 5, ch. 5, pp. 27-28.

Resources,

definition, v. 3, ch. 2, pp. 10-11.

Restoration, v. 4, ch. 2, pp. 116-117.

definition, v. 2, ch. 2, p. 33.

of mature vegetation communities, v. 4, ch. 2, pp. 9-10.

necessary steps, v. 2, ch. 2, pp. 34-35.

- Revegetation, v. 1, ch. 5, pp. 48-49.
definition, v. 2, ch. 2, p. 33.
desirable proportion of vegetative cover, v. 2, ch. 2, pp. 57-58.
with forage species, v. 2, ch. 2, p. 58.
levels depending on reclamation goal, v. 2, ch. 2, p. 34.
metal-tolerant plant species, v. 2, ch. 2, p. 58.
natural invasion of pioneer species, v. 2, ch. 2, p. 58.
of tailings, v. 2, ch. 2, pp. 48-49.
species used, v. 2, ch. 2, pp. 48-49, table 27.
use of non-native species, v. 2, ch. 2, pp. 48-49.
undisturbed areas as seed source, v. 2, ch. 2, p. 63.
- Revenue sharing, v. 5, ch. 12, pp. 70-72.
- Rhude and Fryberger, Inc.,
Minnesota lease, v. 5, ch. 4, p. 21.
- Riebeckite, v. 3, ch. 1, p. 68; v. 3, ch. 3, p. 140.
- Rivers, see Streams; Waterways, Inland.
- Roadless areas, v. 5, ch. 10, p. 6.
- Roads, v. 5, ch. 8, pp. 3-6.
ability to handle projected demands, v. 5, ch. 8, pp. 19-21.
accessibility,
effect on residential settlement, v. 5, ch. 7, p. 25.
areas not accessible by public roads, v. 5, ch. 8, p. 3.
average daily traffic, v. 5, ch. 8, pp. 4-5, figure 6.
capacity, v. 5, ch. 8, pp. 5-6.
cost of construction and upgrading, v. 5, ch. 8, pp. 20-21, table 7.
cost of maintenance by local government, v. 5, ch. 13, p. 21, table 4.
projected average daily traffic (ADT), v. 3, ch. 8, figure 14-20.
proposed AMAX road, v. 5, ch. 7, pp. 38, 40; v. 5, ch. 8, p. 20.
proposed new roads, v. 5, ch. 8, p. 4.
reclamation as public or access roads, v. 2, ch. 2, p. 66.
reclamation of haul roads, v. 2, ch. 2, pp. 65-67.
revegetation, v. 2, ch. 2, p. 66.
uncut buffer zone required by Forest Service, v. 2, ch. 2, p. 61.
volume to capacity ratio, v. 5, ch. 8, pp. 5-6, 19.
on waste rock piles, v. 2, ch. 2, p. 67.
weight restriction, v. 5, ch. 8, p. 4, figure 4.
- Roasting,
of concentrates to remove sulfur, v. 2, ch. 4, pp. 15-16.
- Rock competence, v. 3, ch. 1, pp. 51-52.
- Rock Quality Designation, v. 3, ch. 1, pp. 51-52.
- Rod mills, see Grinding mills.
- Rose, wild (Rose acicularis), v. 4, ch. 2, pp. 56, 63, 66.
- Rosemary, bog (Andromeda glaucophylla), v. 4, ch. 2, p. 44.
- Rove formation, v. 3, ch. 1, p. 10.
- Royalties and royalty tax, v. 5, ch. 12, pp. 10, 25, 26, 46-47, 76-87.
comparison of state and federal regulations, v. 5, ch. 12, table 21.
effect on dcfrror, v. 5, ch. 17, pp. 46-47.
rates, v. 5, ch. 12, p. 80.
state revenues, v. 5, ch. 12, table 20.
- Runoff water, v. 3, ch. 4, pp. 19-21.
effect on recreation, v. 5, ch. 9, p. 19.
effect on terrestrial ecosystems, v. 4, ch. 2, pp. 158-163.

Runoff water (continued)

- factors affecting production, v. 3, ch. 4, p. 151.
- flow paths, v. 3, ch. 4, pp. 99-101.
- heavy metal concentrations, v. 2, ch. 2, p. 52.
- seasonal, v. 3, ch. 4, pp. 96-97.
- toxicity to Daphnia pulicaria, v. 4, ch. 1, pp. 71-72.
- vegetation damage, v. 4, ch. 2, pp. 10-11.
- from waste rock piles, v. 3, ch. 4, pp. 93-101.
 - diversion to tailing basins, v. 2, ch. 2, p. 52.

S -

- Saganaga tonalite, v. 3, ch. 1, p. 7.
- St. James Pit, v. 5, ch. 5, p. 7.
- St. Louis County,
 - state aid from severance tax, v. 5, ch. 12, pp. 62-63.
- St. Louis River,
 - State Wild Scenic River, v. 5, ch. 10, p. 7.
- St. Louis River Watershed, v. 3, ch. 4, p. 5.
- Sales tax, v. 5, ch. 12, pp. 25, 47-48.
 - effect on defrort, v. 5, ch. 17, p. 42.
- Salinity,
 - of tailings, v. 2, ch. 2, p. 44.
- Sand Lake Wetland, v. 4, ch. 2, p. 7.
- Sandwort, large leaved (Arenaria macrophylla), v. 4, ch. 2, pp. 32, 103.
- Sanitation, v. 5, ch. 2, pp. 33-35.
 - cost, v. 5, ch. 13, pp. 20-21, table 3.
 - effect of sewage treatment on aquatic biota, v. 4, ch. 1, p. 106.
 - effect of sewage treatment on water quality, v. 3, ch. 4, pp. 72-73.
 - effect on residential settlement, v. 5, ch. 7, p. 25.
 - sewage treatment, v. 5, ch. 2, pp. 34-35.
- Sapsucker, yellow-bellied (Sphyrapicus varius), v. 4, ch. 2, p. 73.
- Sarsaparilla, wild (Aralia nudicaulis), v. 4, ch. 2, pp. 57, 72.
- Schindler's ratio, v. 4, ch. 1, pp. 33-34.
- Schools,
 - cost multipliers for school districts, v. 5, ch. 13, pp. 23-24, table 8.
 - fiscal disparity for school districts, v. 5, ch. 13, pp. 41-43.
 - foundation aid, v. 5, ch. 12, pp. 65-66.
 - general state aid to school districts, v. 5, ch. 12, pp. 64-65.
 - revenue shortfall, v. 5, ch. 13, pp. 36-39.
 - taxes and state aids to school districts, v. 5, ch. 12, pp. 63-67.
- Scientific areas, see Natural and Scientific areas.
- Scleroderris canker, v. 4, ch. 2, p. 96.
- Scrubbers, see Wet scrubbers.
- Seabed minings, see Ocean mining.
- Secondary development,
 - effect on aquatic biota, v. 4, ch. 1, pp. 105-110.
- Sedges (Carex spp.),
 - in heath bogs, v. 4, ch. 2, pp. 44, 45.
- Seepage,
 - prevention, v. 2, ch. 3, pp. 63-66.

Seepage (continued)

- rate of water seepage through tailing, v. 2, ch. 3, p. 61.
- from tailing basins, v. 2, ch. 3, pp. 59-66.
- cost of control, v. 2, ch. 3, pp. 76-78.

Selective flotation, see Flotation.

- Severance tax, v. 5, ch. 12, pp. 15-16, 25-26, 28, 36-42.
- aid to local government, v. 5, ch. 12, pp. 68-69.
 - distribution of proceeds, v. 5, ch. 12, pp. 37-38.
 - effect on defrator, v. 5, ch. 17, pp. 44-46.
 - from mine/mill operation, v. 5, ch. 12, p. 8.
 - rate tied to wholesale price index, v. 5, ch. 12, pp. 40, 41-42.
 - reallocation, v. 5, ch. 13, pp. 38-39.
 - revenues to counties, v. 5, ch. 12, pp. 62-63.
 - revenues to local governments, v. 5, ch. 12, pp. 55-57.
 - revenues to school districts, v. 5, ch. 12, pp. 64-65.
 - similarity to fiscal disparities law, v. 5, ch. 12, pp. 56-57.
 - use to support special funds, v. 5, ch. 12, pp. 39-41, 42.

Severed mineral interests, see Mineral ownership.

Sewage treatment, see Sanitation.

Shafts,

- in underground mining, v. 2, ch. 2, pp. 16-17.

Shagawa Lake,

- lakeshore development, v. 5, ch. 7, pp. 11, 12.

Shipstead-Nolan Act, v. 5, ch. 5, p. 27; v. 5, ch. 9, p. 14; v. 5, ch. 10, p. 6.

Shoestring root-rot fungus (Armillaria mellea), v. 4, ch. 2, p. 156.

Shredders,

- in headwater streams, v. 4, ch. 1, pp. 17-18.
- in mid-reach streams, v. 4, ch. 1, p. 21.

Shrew, American water (Sorex palustris), v. 4, ch. 2, p. 55.

Shrew, arctic (Sorex arcticus), v. 4, ch. 2, pp. 45, 46, 49, 68.

Shrew, masked (Sorex cinereus), v. 4, ch. 2, pp. 41, 45, 46, 49, 52, 64, 68, 71, 76.

Shrew, pigmy (Microsorex hoyi), v. 4, ch. 2, pp. 49, 52, 76.

Shrew, short-tailed (Blarina brevicauda), v. 4, ch. 2, pp. 49, 52, 74, 76.

Siderosis and siderosilicosis, v. 5, ch. 2, pp. 74-75.

Silica,

- effect on health, v. 5, ch. 2, pp. 63-64.
- to reduce copper and nickel contact of slag, v. 2, ch. 4, pp. 17, 19.
- in surface water, v. 3, ch. 4, pp. 54-55.

Silicosis, v. 5, ch. 2, pp. 1, 63-64.

Silver, v. 5, ch. 5, p. 19.

- toxicity to aquatic biota, v. 4, ch. 1, p. 69, figure 33.

Silver Bay, v. 5, ch. 8, p. 9.

SIMLAB computer program, v. 5, ch. 1, p. 7; v. 5, ch. 15, pp. 10-18.

- assumptions behind forecasts, v. 5, ch. 15, pp. 13-14.
- limitations, v. 5, ch. 15, pp. 17-18.
- modules, v. 5, ch. 15, pp. 11-12, figure 3.

Siren,

- noise from mine warning siren, v. 3, ch. 5, p. 34.

Skunk, striped (Mephitis mephitis), v. 4, ch. 2, p. 28.

- Slag, v. 2, ch. 4, pp. 14, 142-143; v. 3, ch. 2, p. 66.
 cleaning, v. 2, ch. 4, p. 20.
 granulation, v. 2, ch. 4, p. 142.
 iron content, v. 2, ch. 4, p. 143.
 from smelting operations, v. 2, ch. 4, p. 140.
 mineral content, v. 2, ch. 4, table 2.
 use in electric furnaces, v. 2, ch. 4, p. 43.
 uses, v. 2, ch. 2, p. 65; v. 2, ch. 4, pp. 142-143.
- Slag piles,
 reclamation, v. 2, ch. 2, p. 65.
 revegetation, v. 2, ch. 2, p. 65.
- Slaked lime scrubbing system, v. 2, ch. 4, pp. 116, 117, figure 51.
- Slimes,
 hydraulic conductivity, v. 3, ch. 4, p. 105.
 in tailing basins, v. 2, ch. 2, p. 41.
- Sludge, v. 2, ch. 4, pp. 14-15, 143-147; v. 3, ch. 2, pp. 66-67.
 amount generated, v. 4, ch. 2, pp. 145-146.
 hazardous constituents, v. 2, ch. 4, p. 14, 145.
- Smelter,
 effect of air quality criteria on siting, v. 3, ch. 3, pp. 13-14,
 figure 5.
 hypothetical site for point source emissions, v. 3, ch. 3, p. 178,
 figure 86.
 size of building, v. 3, ch. 3, p. 153.
 stack dimensions, v. 3, ch. 3, pp. 153-154.
 stack exit gas velocity, v. 3, ch. 3, p. 154.
 summary of physical parameters, v. 3, ch. 3, table 66.
- Smelter/refinery, see also Refinery.
 capital costs, v. 1, ch. 4, pp. 24-25.
 contact water, v. 3, ch. 4, pp. 107-108.
 effect of location on local tax revenues, v. 5, ch. 12, pp. 8-9.
 effect of location on state occupation tax, v. 5, ch. 12, p. 36.
 effect of location on transportation needs, v. 5, ch. 8, pp. 14-15.
 effect on cost of local government, v. 5, ch. 13, pp. 48-50.
 effect on tax revenues, v. 5, ch. 12, pp. 29-31.
 final outputs, v. 3, ch. 2, pp. 63-67.
 land requirements, v. 2, ch. 4, pp. 8-9.
 location alternatives, v. 1, ch. 6, pp. 89-91.
 location in Duluth, v. 5, ch. 13, p. 32.
 materials required, v. 5, ch. 8, table 6.
 model, v. 2, ch. 5, pp. 39-40.
 non-contact water, v. 3, ch. 4, pp. 108-109.
 plant life cycle, v. 2, ch. 5, p. 18.
 post-production water budget, v. 3, ch. 4, pp. 118-119.
 production capacity, v. 2, ch. 5, p. 18.
 reactions, v. 3, ch. 4, pp. 181-182.
 siting flexibility, v. 2, ch. 4, p. 9.
 tax revenue generated, v. 5, ch. 12, p. 6.
 water inputs, v. 3, ch. 4, p. 181.
 water outputs, v. 3, ch. 4, pp. 182-183.
 water requirements, v. 3, ch. 4, pp. 16-17.
 water use, v. 3, ch. 4, pp. 20-21.
- Smelter/refinery sites,
 reclamation, v. 2, ch. 2, p. 59.

Smelter/refinery sites (continued)

- soil preparation for revegetation, v. 2, ch. 2, p. 59.
- Smelting, v. 1, ch. 4, pp. 20-22; v. 2, ch. 4; v. 2, ch. 4, pp. 16-32;
 - see also Pyrometallurgy.
 - chemical affinities, v. 2, ch. 4, p. 17.
 - combustion systems, v. 2, ch. 4, pp. 21-32.
 - continuous,
 - advantages, v. 2, ch. 4, p. 49.
 - heat requirements, v. 2, ch. 4, pp. 21-32.
 - INCO flash,
 - advantages, v. 2, ch. 4, p. 48.
 - Outokumpu flash,
 - advantages, v. 2, ch. 4, pp. 46-47.
 - sulfur dioxide emissions, v. 3, ch. 3, pp. 150-156.
 - summary of steps, v. 2, ch. 4, pp. 1-2.
 - temperatures,
 - adiabatic process, v. 2, ch. 4, pp. 21-22.
- Snow, see Precipitation.
- Snowberry, creeping (Gaultheria hispidula), v. 4, ch. 2, pp. 48, 53.
- Snowshoe hare (Lepus americanus), v. 4, ch. 2, pp. 28-29.
- Sodium,
 - in surface water, v. 3, ch. 4, p. 55.
- Sodium sulfate,
 - from DMA adsorption process, v. 2, ch. 4, p. 95.
- Sodium sulfite-bisulfite,
 - scrubbing systems, v. 2, ch. 4, pp. 113-116.
- Soil associations, v. 3, ch. 1, figure 11A, table 7, 8.
- Soils, v. 3, ch. 1, pp. 26-39; v. 4, ch. 2, pp. 22-23; see also Surficial materials.
 - base saturation, v. 3, ch. 1, pp. 29-30.
 - base saturation index, v. 3, ch. 4, pp. 86-87.
 - buffering effect, v. 3, ch. 4, pp. 85-87.
 - cation exchange capacity, v. 3, ch. 1, pp. 27, 29-30.
 - chemical properties, v. 3, ch. 1, pp. 28-37, table 10.
 - classification, v. 3, ch. 1, pp. 27-28, figure 11A, table 7, 8.
 - comparison of mineral soil associations, v. 3, ch. 1, pp. 35-37.
 - comparison of organic and mineral, v. 3, ch. 1, pp. 34-35.
 - effect of heavy metal loading in natural and scientific areas,
 - v. 5, ch. 10, p. 18.
 - effect on forest productivity, v. 5, ch. 6, pp. 8-9.
 - effect on residential settlement, v. 5, ch. 7, p. 23, table 11.
 - element concentration, v. 3, ch. 1, table 11.
 - mineral, v. 3, ch. 1, p. 34.
 - organic, v. 3, ch. 1, pp. 33-34.
 - pH, v. 3, ch. 1, pp. 27, 30.
 - pH and buffering capacities, v. 4, ch. 2, pp. 143-144.
 - susceptibility to impacts, v. 4, ch. 2, pp. 94-95.
 - from tailing basin sites, v. 2, ch. 2, p. 54.
 - for topdressing, v. 2, ch. 2, pp. 54-55.
 - treatment for reclamation, v. 4, ch. 2, p. 9.
- Solid waste, see also Slag; Sludge.
 - from mining operation, v. 3, ch. 2, pp. 25-39.
 - production and control, v. 2, ch. 4, pp. 141-147.
 - from smelter/refinery, v. 2, ch. 4, p. 67.

- Solids loading, v. 3, ch. 4, pp. 154-156.
- Songbirds,
 habitat groupings, v. 4, ch. 2, pp. 41-43, table 7B.
 rare species, v. 4, ch. 2, pp. 33-34.
 seasonal patterns, v. 4, ch. 2, pp. 30-31.
- Soudan (community),
 residential settlement, v. 5, ch. 7, pp. 13-14.
- Soudan Iron Formation, v. 3, ch. 1, p. 6.
- Soudan Iron Mine, v. 5, ch. 5, p. 6.
 on National Register of Historic Places, v. 5, ch. 10, p. 3.
- Sound, see also Noise.
- Sound,
 natural sound sources, v. 3, ch. 5, p. 4.
 natural sound levels, v. 3, ch. 5, pp. 10-18.
 summer levels,
 by vegetation type, v. 3, ch. 5, table 2.
 winter levels, v. 3, ch. 5, table 1.
- Sound propagation, v. 3, ch. 5, pp. 22-26.
- South Kawishiwi River Special Area, v. 5, ch. 5, pp. 27; v. 5, ch. 10,
 p. 5.
 possible displacement by mining activity, v. 5, ch. 10, pp. 10-11.
 possible effects of copper-nickel waste water, v. 5, ch. 10,
 pp. 13-14.
- Sparrow, chipping (Spizella passerina), v. 4, ch. 2, p. 70.
- Sparrow, Lincoln's (Melospiza lincolni), v. 4, ch. 2, p. 50.
- Sparrow, song (Melospiza melodia), v. 4, ch. 2, p. 62.
- Sparrow, swamp (Melospiza georgiana), v. 4, ch. 2, p. 47.
- Sparrow, white-throated (Zonotrichia atricapilla), v. 4, ch. 2, pp.
 60, 62, 77.
- Sparta (community),
 residential settlement, v. 5, ch. 7, pp. 16, 17.
- Special Use Permits, see U.S. Forest Service, Special Use Permits.
- Spigotting, see Tailing, Separation of sand fractions.
- Spring beauty (Claytonia caroliniana), v. 4, ch. 2, p. 72.
- Spruce,
 commercial use, v. 5, ch. 6, p. 13.
- Spruce, black (Picea mariana), v. 4, ch. 2, pp. 68, 69.
 in black spruce-jack pine uplands, v. 4, ch. 2, pp. 56-57.
 in spruce bogs, v. 4, ch. 2, pp. 39, 47-51.
- Spruce, white (Picea glauca), v. 4, ch. 2, pp. 40, 67-68.
 management practices, v. 4, ch. 2, p. 67.
- Spruce Road (Superior National Forest),
 road work revealing copper, v. 2, ch. 1, p. 6.
- Square set method, see Ground support, in underground mining.
- Squirrel, Franklin's ground (Spermophilus franklinii), v. 4, ch. 2, p. 34.
- Squirrel, red (Tamiasciurus hudsonicus), v. 4, ch. 2, pp. 28, 61.
- Stack emissions, see Air emissions.
- State mineral policy, v. 5, ch. 17.
 for six states, v. 5, ch. 17, pp. 51-57, appendix A.
- State parks, v. 5, ch. 10, p. 7.
- State Scientific and Natural Areas, v. 5, ch. 10, pp. 6-7.
- Stickleback, brook (Culaea inconstans), v. 4, ch. 1, p. 19.
- Stokes' Law, see Tailing basins, settling rates of particles.
- Stoneflies (Plecoptera), v. 4, ch. 1, p. 18.

- Stoping, see Ground support, in underground mining.
- Stores, see Commercial services.
- Strawberry (Fragaria virginiana), v. 4, ch. 2, pp. 63, 68.
- Stream ecosystems, v. 4, ch. 1, pp. 11-26.
- Stream hydrology, v. 3, ch. 4, pp. 31-41.
- Streamflow, v. 3, ch. 4, pp. 31-41.
average flow, v. 3, ch. 4, pp. 34-35, table 7.
changes, v. 4, ch. 1, pp. 87-92.
contribution from precipitation, v. 3, ch. 4, pp. 32-33.
effect of changes on aquatic biota, v. 4, ch. 1, pp. 88-90.
high flow periods, v. 3, ch. 4, pp. 36-37.
historical, v. 3, ch. 4, pp. 40-41, table 3.
impacts of change, v. 4, ch. 1, pp. 90-91.
impacts of mining during operation phase, v. 3, ch. 4,
pp. 142-143, figure 56, 57.
low flow periods, v. 3, ch. 4, pp. 35-36.
mitigation of changes, v. 4, ch. 1, pp. 91-92.
probable induced changes, v. 3, ch. 4, pp. 125-126.
variation by region, v. 3, ch. 4, pp. 37-40.
- Streams,
aquatic organisms, v. 4, ch. 1, pp. 7, 9-10.
biological characteristics, v. 4, ch. 1, pp. 16-23.
channelization/diversion, v. 4, ch. 1, pp. 92-95.
impacts on aquatic biota, v. 4, ch. 1, pp. 92-93.
mitigation techniques, v. 4, ch. 1, p. 95.
classification, v. 4, ch. 1, p. 16.
currently showing biological effects from mining, v. 4, ch. 1,
pp. 23-26.
fifth order, see Kawishiwi River.
first and second order, see Headwater streams.
flow needed to dilute mine discharges, v. 3, ch. 4, pp. 199-200.
orders and lengths in Study Area, v. 3, ch. 4, p. 34, table 6.
orders and relationships to ecosystems, v. 4, ch. 1, pp. 13-15.
physical and chemical conditions, v. 4, ch. 1, pp. 15-16.
relationship to lakes, v. 4, ch. 1, pp. 43-45.
sensitivity, v. 4, ch. 1, pp. 46-47.
third and fourth order, see Mid-reach streams.
water quality impacts of mining, v. 3, ch. 4, pp. 194-204.
- Stripping ratio, v. 2, ch. 2, pp. 2-3.
- Study Area, see Copper-Nickel Study Area.
- Subsidence,
of ground from underground mining, v. 2, ch. 2, p. 4.
- Subsurface ownership, see Mineral ownership.
- Succession,
of vegetation communities, v. 4, ch. 2, pp. 19-20, 24-25.
- Sucker, white (Catostomus commersoni), v. 4, ch. 1, p. 19.
in lakes, v. 4, ch. 1, p. 40.
- Sulfates, v. 3, ch. 3, pp. 147, 207-212.
affecting water quality, v. 2, ch. 4, p. 156
background concentrations, v. 3, ch. 3, pp. 93-100, 207-211.
deposition, v. 3, ch. 3, pp. 95-100, 211-212; v. 3, ch. 4,
pp. 79-80.
annual averages for various communities, v. 3, ch. 3, table 80.

Sulfates (continued)

deposition,

- predicted increase in rates, v. 3, ch. 3, pp. 99-100.
- effect on water quality, v. 5, ch. 10, pp. 12-15.
- origin and transport from outside of region, v. 3, ch. 3, p. 97.
- in particulates,
 - deposition, v. 3, ch. 3, p. 138.
 - in soils, v. 3, ch. 1, p. 30.
 - in surface water, v. 3, ch. 4, p. 58.
 - in water, v. 3, ch. 4, pp. 187-188.

Sulfides,

- content in Duluth gabbro, v. 2, ch. 3, p. 7.
- instability in presence of oxygen, v. 2, ch. 4, pp. 18-19.

Sulfur,

- in particulates, v. 3, ch. 3, p. 130, figure 68, table 52.
- removal during copper refining, v. 2, ch. 4, pp. 55-56.

Sulfur dioxide, v. 1, ch. 5, pp. 35, 51-57; v. 3, ch. 3, pp. 81-93, 147-156; see also Air emissions.

- air quality impact analysis, v. 3, ch. 3, pp. 175-212.
- annual average concentrations, v. 3, ch. 3, pp. 177-184, table 73.
- background concentrations, v. 3, ch. 3, pp. 86-93.
- control devices for strong gas streams, v. 2, ch. 4, pp. 85-97.
- control devices for weak gas streams, v. 2, ch. 4, pp. 109-120.
- control of smelter emissions, v. 2, ch. 4, pp. 5-6.
- conversion to sulfur trioxide, v. 2, ch. 4, pp. 86-87.
- current levels in Study Area, v. 3, ch. 3, pp. 7-9, ~~81-84~~
- economic recovery, v. 2, ch. 4, pp. 75-78.
- effect on health, v. 5, ch. 2, pp. 6-7.
- effect on natural and scientific areas, v. 5, ch. 10, pp. 17-18.
- effect on plant diseases, v. 4, ch. 2, p. 96. ~~no~~
- effect on terrestrial ecosystems, v. 4, ch. 2, pp. 144-150.
- emissions based on fuel usage, v. 3, ch. 3, pp. 87-88.
- emissions from dryers, v. 2, ch. 4, pp. 74-75.
- emissions from smelter, v. 2, ch. 4, pp. 5-6.
- emissions from smelting furnaces, v. 2, ch. 4, pp. 75-77.
- from fuel sources, v. 3, ch. 3, p. 148.
- fugitive emissions, v. 2, ch. 4, pp. 133-134, table 29.
- geographic comparisons of emissions, v. 3, ch. 3, pp. 84-86.
- impacts of mining, v. 3, ch. 3, pp. 13-15.
- models for control of emissions, v. 2, ch. 5, pp. 43-48.
- point sources, v. 3, ch. 3, pp. 81-84.
- production of liquid sulfur dioxide from smelter air emissions,
 - v. 2, ch. 4, pp. 92-95.
- projected emissions, v. 3, ch. 3, pp. 81-84.
- removal as elemental sulfur, v. 2, ch. 4, pp. 90-92.
- removal from emissions of reverberatory furnace, v. 2, ch. 4, p. 42.
- from roaster, v. 2, ch. 4, p. 75.
- scrubbing systems, v. 2, ch. 4, pp. 110-120.
- sludge generated from removal procedures, v. 2, ch. 4, pp. 14-15.
- summary of emissions from smelting operation, v. 2, ch. 4, pp. 80-81.
- 3-hour concentrations, v. 3, ch. 3, pp. 199-204.
- 24-hour concentrations, v. 3, ch. 3, pp. 184-199.

- Sulfur oxides,
effect on health, v. 5, ch. 2, pp. 64-66.
- Sulfuric acid,
effect of sale on defror, v. 5, ch. 17, p. 27.
transportation, v. 5, ch. 8, p. 2.
transportation problems, v. 5, ch. 8, p. 16.
- Sulfuric acid plants, v. 2, ch. 4, pp. 86-90; v. 3, ch. 2, p. 65.
capital costs, v. 2, ch. 4, pp. 88-89; v. 5, ch. 17, pp. 30-31.
effect of blowdown on water quality, v. 2, ch. 4, p. 155.
efficiency, v. 2, ch. 4, p. 88, table 13.
key pollution control device, v. 2, ch. 4, pp. 160-161.
operating costs, v. 2, ch. 4, pp. 89-90.
single contact and double contact, v. 2, ch. 4, pp. 87-88.
- Sundew (Drosera rotundifolia), v. 4, ch. 2, pp. 15, 45.
- Superior Light, Water, and Power Co., v. 5, ch. 11, p. 17.
- Support, see Ground support.
- Surface ownership, see Land ownership.
- Surface water, v. 3, ch. 4, pp. 6-7.
factors governing pH, v. 3, ch. 4, p. 76; v. 4, ch. 1, pp. 81-83.
impacts of mining on BWCA, v. 3, ch. 4, p. 208.
nutrients, v. 3, ch. 4, pp. 60-62.
pH, v. 3, ch. 4, pp. 58-59.
water quality, v. 3, ch. 4, pp. 52-67, table 21.
- Surficial geology, v. 3, ch. 1, pp. 13-39.
- Surficial materials,
depth, v. 3, ch. 1, p. 21.
distribution and depth, v. 3, ch. 1, p. 25, figure 11.
heavy metal absorption capability, v. 2, ch. 2, p. 40.
Rainy Lobe till, v. 3, ch. 1, pp. 19-20.
till types, v. 3, ch. 1, pp. 18-21.
use in construction, v. 3, ch. 1, pp. 22-26.
- Syphon converter, see Converters.

T -

- Tabellaria, v. 4, ch. 1, p. 17.
- Taconite, see Iron ore.
- "Taconite amendment," v. 5, ch. 12, p. 23.
- Taconite Area Environmental Protection and Economic Development Fund,
v. 5, ch. 12, pp. 39, 42; v. 5, ch. 13, pp. 6, 39, 52.
- Taconite Harbor, v. 5, ch. 8, p. 9.
- Tailing basins,
areal requirements and design, v. 2, ch. 3, pp. 45-46.
capital and operating costs, v. 2, ch. 3, pp. 69-80.
capital costs, v. 5, ch. 17, p. 31, table 8.
centerline method of embankment construction, v. 2, ch. 3, pp. 49-50.
design, v. 2, ch. 3, p. 8.
downstream method of embankment construction, v. 2, ch. 3, p. 49.
safety, v. 2, ch. 3, p. 51.
dust control, see Dust, from tailing basins.
effect of depth on area required, v. 2, ch. 3, p. 43, figure 17.
embankment height and basin configuration, v. 2, ch. 5, pp. 53-54,
table 28-34, figure 29, 30.

Tailing basins (continued)

embankments,

capital cost, v. 2, ch. 5, pp. 54-55.

construction, v. 3, ch. 1, pp. 22-26.

construction cost, v. 2, ch. 3, pp. 70-75; v. 3, ch. 1, pp. 23-24, table 5.

design and construction, v. 2, ch. 3, pp. 48-53.

height, v. 2, ch. 3, pp. 42-43.

materials required for construction, v. 3, ch. 1, table 4.

seepage, v. 3, ch. 4, pp. 105-106, 178-179.

use of natural topography, v. 2, ch. 3, pp. 46-47.

functions, v. 2, ch. 3, pp. 81-82.

in iron ore mining, v. 5, ch. 5, p. 11.

multiple basins, v. 2, ch. 2, p. 42; v. 2, ch. 3, pp. 44-45.

multiple basins for dust control, v. 2, ch. 3, p. 58.

multiple basins for seepage control, v. 2, ch. 3, p. 67.

overlying peat, v. 2, ch. 3, pp. 66-67.

possible acidification, v. 3, ch. 2, p. 50.

post-production water budget, v. 3, ch. 4, p. 118.

rate of increase of embankment height, v. 2, ch. 3, p. 45.

reclamation, v. 2, ch. 2, pp. 40-49.

revegetation,

nutrient deficiencies, v. 2, ch. 2, p. 43.

revegetation problems, v. 2, ch. 2, pp. 42-43.

seepage control, v. 2, ch. 3, pp. 59-66, figure 25.

settling rates of particles, v. 2, ch. 3, p. 47.

siting requirements, v. 2, ch. 3, pp. 40-42.

starter dam, v. 2, ch. 3, p. 43.

toxicity of metals to plants, v. 2, ch. 2, p. 45.

as treatment facilities,

advantages and disadvantages, v. 2, ch. 3, pp. 82-84.

upstream method of embankment construction, v. 2, ch. 3, p. 48.

use of ponds for wildlife, v. 2, ch. 2, p. 49.

use to treat liquid wastes, v. 2, ch. 3, pp. 81-84.

water, v. 3, ch. 4, pp. 170-179.

water budget, v. 3, ch. 4, pp. 104-106.

water clarification, v. 2, ch. 3, pp. 47-48.

Tailings, v. 3, ch. 2, pp. 49-54.

amount generated, v. 2, ch. 3, p. 39, table 7.

by-product recovery, v. 2, ch. 3, pp. 86-89.

chemical composition, v. 3, ch. 1, p. 4, table 1, 2.

chemistry, v. 3, ch. 2, pp. 49-52.

copper-nickel compared to taconite, v. 2, ch. 2, p. 44, figure 17.

cost of transporting, v. 2, ch. 3, p. 41.

disposal, v. 2, ch. 3, pp. 38-86.

central discharge system, v. 2, ch. 3, pp. 84-85, figure 29.

combined waste rock-tailing basin storage, v. 2, ch. 3, pp. 85-86.

effect of production on basin size, v. 2, ch. 3, pp. 43-44.

metal ion solubility and pH, v. 2, ch. 2, pp. 43-44, figure 16.

mineralogical composition, v. 2, ch. 3, table 13.

mineralogy, v. 3, ch. 2, pp. 52-53, table 22.

modification to resemble normal soil, v. 2, ch. 2, p. 46.

physical characteristics, v. 3, ch. 2, p. 54.

from processing, v. 2, ch. 3, pp. 7-8.

ranking of disposal sites, v. 2, ch. 3, figure 16, table 9.

Tailings (continued)

- sand characteristics, v. 2, ch. 3, pp. 51-52.
 - separation of sand fractions, v. 2, ch. 3, pp. 52-53.
 - secondary treatment to recover other minerals, v. 2, ch. 3, p. 8.
 - shear strength, v. 2, ch. 3, pp. 50-51.
 - stabilization methods, see Dust, from tailing basins.
 - trace element analyses, v. 2, ch. 3, pp. 35-36.
 - transportation cost, v. 2, ch. 5, pp. 54-56.
 - use in embankment construction, v. 2, ch. 3, pp. 70-75.
- Tamarack (Larix laricina),
- commercial use, v. 5, ch. 6, p. 13.
 - in tamarack bogs, v. 4, ch. 2, pp. 39, 51-53.
- Tansley, A.G.,
- concept of ecosystem, v. 4, ch. 2, pp. 17-18.
- Tax revenue, v. 1, ch. 5, pp. 80-81; v. 5, ch. 12; see also Royalties and Royalty tax.
- aid to local government from state government, v. 5, ch. 12, pp. 58-74.
 - comparison of six states, v. 5, ch. 17, pp. 54-56.
 - copper-nickel vs. taconite, v. 5, ch. 12, pp. 74-76.
 - county, v. 5, ch. 12, pp. 59-63.
 - direct and indirect, v. 5, ch. 12, pp. 2-3.
 - impacts of varying production, v. 5, ch. 12, p. 9.
 - lag behind expenditures, v. 5, ch. 13, pp. 7-10.
 - over life of mine for six states, v. 5, ch. 17, appendix C.
 - local,
 - from copper-nickel development, v. 5, ch. 12, pp. 54-58.
 - from mine/mill operation, v. 5, ch. 12, pp. 7-8.
 - to local government, v. 5, ch. 12, pp. 67-72.
 - from mining companies, v. 5, ch. 15, p. 25.
 - to school districts, v. 5, ch. 12, pp. 63-67.
 - sensitivity to changes in variables, v. 5, ch. 12, pp. 31-50.
 - from smelter/refinery, v. 5, ch. 12, pp. 8-9.
 - state revenues from copper-nickel development, v. 5, ch. 12, pp. 5-6, 23-31.
- Taxation, v. 1, ch. 5, pp. 77-80; v. 5, ch. 12.
- comparison of six states, v. 5, ch. 17, pp. 51-57, appendix A.
 - effect on dcfrror, v. 5, ch. 17, pp. 2-3, 39-50, figure 12.
 - exemptions, v. 5, ch. 12, pp. 4-5.
 - impacts of policy on minerals development, v. 5, ch. 17, pp. 55-57.
 - of individuals, v. 5, ch. 12, pp. 50-51.
 - Minnesota taxes on copper-nickel mining industry, v. 5, ch. 12, pp. 3-6, table 1.
 - models, v. 5, ch. 12, pp. 19-21.
 - policies, v. 1, ch. 5, pp. 82-83.
 - sensitivity of dcfrror to changes in rates, v. 5, ch. 17, pp. 41-42.
 - sensitivity to changes in variables, v. 5, ch. 12, pp. 31-50.
 - of smelter/refinery, v. 5, ch. 12, pp. 29-31.
 - state,
 - from copper-nickel development, v. 5, ch. 12, pp. 23-31.
 - of state-controlled minerals, v. 5, ch. 4, pp. 15-16.
 - state variations for mineral industries, v. 5, ch. 12, pp. 10-12.
 - taconite vs. copper-nickel,
 - effect on dcfrror, v. 5, ch. 17, pp. 48-50, appendix A.

- Tea, Labrador (Ledum groenlandicum), v. 4, ch. 2, pp. 48, 56.
- Temperature,
flame temperature in smelting, v. 2, ch. 4, pp. 21-23.
necessary for furnace operation, v. 2, ch. 4, p. 23.
- Temperature (Climate), v. 3, ch. 3, pp. 58-62.
high-altitude, v. 3, ch. 3, pp. 61-62.
influence of Lake Superior, v. 3, ch. 3, pp. 76-77, 78.
mean temperatures by month for cities in Study Area, v. 3, ch. 3,
pp. 60-61, table 17.
yearly cycles, v. 3, ch. 3, pp. 58-59.
- Temperature (Water),
changes, v. 4, ch. 1, pp. 95-98.
impact of changes on aquatic biota, v. 4, ch. 1, pp. 96-98.
mitigation of changes, v. 4, ch. 1, p. 98.
- Terrestrial ecosystems, v. 4, ch. 2.
impact assessment, v. 4, ch. 2, pp. 111-117.
impacts of copper-nickel development, v. 4, ch. 2, pp. 8-13,
167-175.
impacts of mining land use, v. 4, ch. 2, pp. 118-134.
interactions of organisms, v. 4, ch. 2, pp. 13-16.
susceptibility, v. 4, ch. 2, pp. 93-111.
- Texas Episodic Model (TEM), v. 3, ch. 3, p. 24.
- Thomson formation, v. 3, ch. 1, p. 9.
- Threatened species, see Rare species.
- Threshold limit values, v. 5, ch. 2, p. 20.
- Thrush, hermit (Hylocichla guttata), v. 4, ch. 2, p. 63.
- Thrush, Swainson's (Catharus usulatus), v. 4, ch. 2, p. 6.
- Timber, see also Forest.
economic species, v. 5, ch. 6, pp. 12-13.
harvested in 1975, v. 5, ch. 6, p. 2.
loss of production, v. 5, ch. 6, p. 4.
projected supply and demand, v. 5, ch. 6, pp. 13-14.
resource use, v. 5, ch. 6, pp. 11-17.
value of production, v. 5, ch. 6, table 7.
- Timber industry,
in economy of Study Area, v. 5, ch. 15, pp. 6-7.
in Ely, v. 5, ch. 16, p. 8.
employees and payroll, v. 5, ch. 15, p. 7.
- Timber management, v. 4, ch. 2, pp. 5, 36, 79, 91-93, 175.
allowable cut effect, v. 5, ch. 6, p. 16.
current policies, v. 5, ch. 6, pp. 14-17.
"softwood deficit," v. 5, ch. 6, p. 16.
- Titanium, v. 3, ch. 1, p. 64.
resource estimates, v. 3, ch. 2, p. 4; v. 5, ch. 5, p. 19.
- Titanium dioxide (Ti O₂),
as iron impurity, v. 2, ch. 3, p. 89.
- Toimi (community),
residential settlement type, v. 5, ch. 7, p. 7.
- Toimi Drumlin Field, v. 3, ch. 1, pp. 15-16.
- Top-blown rotary converter, see Converters.
- Topdressing,
advantages of organic material, v. 2, ch. 2, p. 47.
amount and choice of material, v. 2, ch. 2, pp. 53-54.

Topdressing (continued)

- organic material disrupting flotation process, v. 2, ch. 2, p. 56.
- for revegetation of metalliferous wastes, v. 2, ch. 2, pp. 53-56.
- for stabilization in revegetation, v. 2, ch. 2, pp. 46-47.

Topography,

- effect on residential settlement, v. 5, ch. 7, pp. 22-23, table 10.

Total dissolved solids (TDS), v. 3, ch. 4, pp. 187-189.

Total suspended particulates (TSP), v. 3, ch. 3, pp. 101-128.

Total suspended solids (TSS), v. 3, ch. 4, pp. 189-190; v. 4, ch. 1, pp. 98-102.

- impacts of increase, v. 4, ch. 1, pp. 101-102.

- response of aquatic biota, v. 4, ch. 1, pp. 99-101.

Tourism,

- contribution to total export sales in Ely, v. 5, ch. 16, p. 3.

- economic role in Ely, v. 5, ch. 16, pp. 15-20.

- economic sectors affected, v. 5, ch. 16, p. 16, table 5.

- in economy of Study Area, v. 5, ch. 15, pp. 7-9.

- effect on Ely sales activity, v. 5, ch. 9, p. 11.

- in Ely,

 - negative effects of mining industry, v. 5, ch. 16, pp. 25-26.

Tower (community),

- residential settlement, v. 5, ch. 7, pp. 13-14.

Tower-Soudan,

- residential settlement type, v. 5, ch. 7, p. 7.

Tower-Soudan State Park, v. 5, ch. 10, p. 7.

Toxicology, v. 5, ch. 2, pp. 18-19.

Trace elements,

- in concentrate, v. 3, ch. 2, p. 41, table 17.

- effect of pH on mobility, v. 3, ch. 4, p. 25.

- in smelter emissions, v. 2, ch. 4, pp. 124-132.

- smelter model, v. 2, ch. 4, pp. 131-132.

- summary of atmospheric deposition, v. 3, ch. 3, table 2.

- toxicity, v. 2, ch. 4, pp. 12-13.

- in water, v. 3, ch. 4, pp. 185-187.

Transmission lines,

- requirements, v. 5, ch. 11, pp. 23-26.

Transportation, v. 2, ch. 4, pp. 162-164; v. 5, ch. 8; see also

Railroads; Roads; Waterways.

- of bulk materials, v. 2, ch. 2, pp. 11-13.

- of concentrate, v. 2, ch. 3, pp. 92, 93.

- cost for tailing disposal and recycle water, v. 2, ch. 3, pp. 78-80.

- of forest products, v. 5, ch. 6, p. 10.

- impact of copper-nickel development, v. 5, ch. 8, pp. 13-22.

- for iron ore mining companies, v. 5, ch. 5, p. 12.

- land cover, v. 5, ch. 3, p. 10.

- land cover - year 2000, v. 5, ch. 3, pp. 23-24.

- land needs, v. 5, ch. 5, pp. 24-25.

- of materials, v. 2, ch. 3, pp. 91-92.

- materials handling costs, v. 2, ch. 2, figure 5.

- noise impacts, v. 3, ch. 5, pp. 36-39.

- of ore, lean ore and waste rock, v. 2, ch. 2, pp. 7-8.

- residential,

 - increased demands, v. 5, ch. 8, pp. 18-19.

Transportation (continued)

of taconite pellets, v. 5, ch. 8, p. 1.

Trapping

of stack plumes by inversion, v. 3, ch. 3, pp. 205-206.

Trillium, nodding (Trillium cernuum), v. 4, ch. 2, p. 72.

Troctolite,

low augite, v. 3, ch. 1, p. 46.

South Kawishiwi intrusion, v. 3, ch. 1, pp. 45-48.

Troctolitic series, v. 3, ch. 1, pp. 11-12, 44-48.

Trophic levels, v. 4, ch. 1, p. 6.

Trophic state index (TSI), v. 3, ch. 4, p. 61, table 18.

Trout, v. 4, ch. 1, p. 19.

in lakes,

relationship to trophic status, v. 4, ch. 1, p. 40.

Trout, brook (Salvelinus fontinalis), v. 4, ch. 1, p. 19.

copper toxicity, v. 4, ch. 1, p. 64.

effect of loss of terrestrial vegetation, v. 4, ch. 1, p. 104.

Twayblade, Lister's (Listera cordata), v. 4, ch. 2, pp. 45, 52.

Twinflower (Linnaea borealis), v. 4, ch. 2, p. 75.

Twisted stalk (Streptopus roseus), v. 4, ch. 2, p. 72.

Two Harbors, v. 5, ch. 8, pp. 9, 10.

availability to copper-nickel mining companies, v. 5, ch. 8, p. 17.

Tyler mesh size, v. 2, ch. 3, pp. 17-18.

U -

Ultimate pit limit, v. 5, ch. 5, pp. 3, 4, 8.

for taconite mining, v. 5, ch. 5, p. 31.

Underground mines and mining, v. 2, ch. 2, pp. 13-22.

common features, v. 2, ch. 2, pp. 13-14.

definition, v. 2, ch. 2, p. 1.

disseminated ore model, v. 3, ch. 2, pp. 19-22.

effect on water quality, v. 3, ch. 4, pp. 162-163.

environmental impacts compared to open pit mining, v. 2, ch. 2,
p. 4.

groundwater inputs, v. 3, ch. 4, pp. 102-103.

hoisting depth, v. 2, ch. 5, pp. 49-50.

operating costs by mining method, v. 2, ch. 2, table 9.

possible subsidence, v. 2, ch. 2, p. 62.

reclamation, v. 2, ch. 2, p. 62.

Undisturbed watersheds,

impacts of mining, v. 2, ch. 2, pp. 62-63.

Undulations,

of geological contact, v. 3, ch. 1, pp. 52-53.

Unemployment insurance, v. 5, ch. 12, pp. 26, 48-49.

United Nations Law of the Sea Conference, v. 5, ch. 14, p. 12.

U.S. Bureau of Mines,

cash flow model (MINESIM-4), v. 5, ch. 17, pp. 11-16.

cobalt forecasts, v. 5, ch. 14, pp. 44-45.

copper forecasts, v. 5, ch. 14, pp. 23-24.

nickel forecasts, v. 5, ch. 14, pp. 38-39.

U.S. Forest Service,

guidelines for mineral exploration, v. 2, ch. 1, pp. 22-24.

- U.S. Forest Service (continued)
special areas, v. 5, ch. 10, p. 5.
Special Use Permits,
current status, v. 5, ch. 4, p. 18.
for surface activities, v. 5, ch. 4, pp. 11-12.
- U.S. Steel Corporation, v. 5, ch. 5, p. 3.
bulk samples, v. 2, ch. 1, p. 20.
exploration zone 5, v. 2, ch. 1, p. 10.
land holdings, v. 3, ch. 1, p. 48.
mineral lease, v. 2, ch. 1, p. 7.
Minnesota lease, v. 5, ch. 4, p. 21.
projected production of Minntac facility, v. 5, ch. 5, p. 15.
Special Use Permit in SNF, v. 5, ch. 4, p. 19.
- Unnamed Creek,
biological effects of current mining operation, v. 4, ch. 1,
pp. 24-25.
effect of waste piles on water quality, v. 3, ch. 4, pp. 12-13.
- Upgrading,
of roads, v. 5, ch. 8, pp. 20-21.
- Uplands, v. 4, ch. 2, pp. 56-77.
black spruce-jack pine, v. 4, ch. 2, pp. 56-57.
jack pine, v. 4, ch. 2, pp. 57-65.
mature stands, v. 4, ch. 2, pp. 62-65.
recent clearcuts, v. 4, ch. 2, pp. 58-61.
successional classes, v. 4, ch. 2, p. 58.
young plantations, v. 4, ch. 2, pp. 61-62.
- Upset conditions, v. 2, ch. 2, pp. 30-31; v. 2, ch. 4, pp. 158-161.
air emissions, v. 2, ch. 4, pp. 96-97.
air emissions from smelter, v. 3, ch. 3, p. 155.
in smelter/refinery, v. 2, ch. 4, p. 11.
sulfur dioxide emissions, v. 3, ch. 3, pp. 201-204.
types of failures, v. 2, ch. 4, pp. 159-160.
- Utah,
tax revenues over life of mine, v. 5, ch. 17, appendix C.
taxation of mineral industries, v. 5, ch. 17, pp. 51-57,
appendix A.

V -

- Veery (Hylocichla fuscescens), v. 4, ch. 2, pp. 47, 73.
- Vegetation,
in cedar bogs,
diversity, v. 4, ch. 2, pp. 53, 54.
effect of loss on aquatic organisms, v. 4, ch. 1, pp. 103-105.
effect of pollutants on diseases, v. 4, ch. 2, pp. 95-97.
growth reduction due to acid precipitation, v. 4, ch. 2, p. 152.
loss, v. 4, ch. 1, pp. 102-105.
maps of development zones, v. 4, ch. 2, figure 38-44.
rare species, v. 4, ch. 2, pp. 32-33, 63, 68.
of spruce bogs, v. 4, ch. 2, p. 49.
of tamarack bogs, v. 4, ch. 2, p. 52.
seasonal patterns, v. 4, ch. 2, pp. 26-28.
sensitivity to sulfur dioxide, v. 4, ch. 2, figure 49.

Vegetation (continued)

- susceptibility to impacts, v. 4, ch. 2, pp. 95-98.
- type,
 - affect on sound levels, v. 3, ch. 5, pp. 10-18.
- Vegetation communities, v. 4, ch. 2, pp. 4-7, 24-25, 39-41, figure 4-7A-C, table 7, 8.
 - alder carrs, v. 4, ch. 2, pp. 46-47.
 - aspen-birch uplands, v. 4, ch. 2, pp. 68-75.
 - and associated animal populations, v. 4, ch. 2, pp. 43-93.
 - black ash lowlands, v. 4, ch. 2, pp. 54-56.
 - black spruce bogs, v. 4, ch. 2, pp. 47-51.
 - black spruce-jack pine uplands, v. 4, ch. 2, pp. 56-57.
 - boundaries and interactions, v. 4, ch. 2, pp. 18-20.
 - cedar bogs, v. 4, ch. 2, pp. 53-54.
 - deciduous uplands, v. 4, ch. 2, pp. 68-75.
 - in development zones, v. 4, ch. 2, pp. 101-111.
 - habitat types, v. 4, ch. 2, pp. 37-38.
 - heath bogs, v. 4, ch. 2, pp. 44-46.
 - jack pine uplands, v. 4, ch. 2, pp. 57-65.
 - mixed deciduous-coniferous uplands, v. 4, ch. 2, pp. 75-77.
 - red pine uplands, v. 4, ch. 2, pp. 65-67.
 - shrub carr, v. 4, ch. 2, pp. 44-47.
 - tamarack bogs, v. 4, ch. 2, pp. 51-53.
 - white spruce uplands, v. 4, ch. 2, pp. 67-68.
- Ventilation, in underground mining, v. 2, ch. 2, p. 17.
- Vermilion District, v. 3, ch. 1, pp. 6-7.
- Vermilion Lake,
 - lakeshore development, v. 5, ch. 7, pp. 13-14.
- Vermilion Lake Indian Reservation, v. 5, ch. 7, p. 14.
- Vermilion massif, v. 3, ch. 1, p. 7.
- Vireo, red-eyed (Vireo olivaceus), v. 4, ch. 2, pp. 70, 71, 73.
- Virgin lands,
 - in Study Area, v. 4, ch. 2, pp. 6, 7.
- Virginia (community),
 - commercial services, v. 5, ch. 7, pp. 27-28, table 16.
 - major business and population center, v. 5, ch. 15, p. 36.
 - residential settlement, v. 5, ch. 7, pp. 16-17.
 - residential settlement type, v. 5, ch. 7, p. 7.
- Virginia Formation, v. 3, ch. 1, p. 9.
- Visual screening,
 - effectiveness, v. 2, ch. 2, pp. 60-61, figure 21.
- Vole, heather (Phenacomys intermedius), v. 4, ch. 2, p. 34.
- Vole, meadow (Microtus pennsylvanicus), v. 4, ch. 2, pp. 49, 52.
- Vole, red-backed (Clethrionomys gapperi), v. 4, ch. 2, pp. 41, 49, 52, 58, 61, 64, 68, 71, 76.
- Vole, rock (Microtus chrotorrhinus), v. 4, ch. 2, p. 34.
- Voyageurs National Park, v. 5, ch. 9, p. 5.
 - and tourism industry, v. 5, ch. 15, p. 7.

W -

Walleye pike, see Pike, walleye.

Warbler, black-and-white (Mniotella varia), v. 4, ch. 2, p. 73.

- Warbler, Blackburnian (Dendroica fusca), v. 4, ch. 2, p. 64.
Warbler, Canada (Wilsonia canadensis), v. 4, ch. 2, p. 73.
Warbler, Cape May (Dendroica tigrina), v. 4, ch. 2, p. 6, 34.
Warbler, chestnut-sided (Dendroica pennsylvanica), v. 4, ch. 2,
pp. 60, 62, 71, 77.
Warbler, Connecticut (Oporornis agilis), v. 4, ch. 2, p. 50.
Warbler, golden-winged (Vermivora chrysoptera), v. 4, ch. 2, pp. 33, 47.
Warbler, magnolia (Dendroica magnolia), v. 4, ch. 2, pp. 73, 77.
Warbler, mourning (Oporornis philadelphia), v. 4, ch. 2, pp. 60, 71, 74.
Warbler, Nashville (Vermivora ruficapilla), v. 4, ch. 2, pp. 50-51.
Warbler, Tennessee (Vermivora peregrina), v. 4, ch. 2, pp. 6, 34, 50.
Warbler, yellow-rumped (Dendroica coronata), v. 4, ch. 2, pp. 63-64, 77.
Waste rock, v. 3, ch. 2, pp. 32-35.
 chemistry, v. 3, ch. 2, p. 33, table 13.
 composition, v. 3, ch. 2, pp. 32-35.
 definition v. 2, ch. 2, pp. 23, 24.
 diagram of stockpile, v. 2, ch. 2, figure 9.
 disposal, v. 2, ch. 2, pp. 23-28.
 mineralogy, v. 3, ch. 2, pp. 32-33, table 12.
 physical characteristics, v. 3, ch. 2, pp. 34-35.
Waste rock piles,
 design, v. 2, ch. 5, pp. 50-51, table 25, 26, figure 26.
 leaching, v. 2, ch. 2, pp. 50-51.
 reclamation, v. 2, ch. 2, pp. 49-59.
 design impacts, v. 2, ch. 2, pp. 49-50, table 28.
 revegetation,
 AMAX pilot studies, v. 2, ch. 2, pp. 56-57.
 runoff, v. 3, ch. 4, pp. 165-170.
 size and placement, v. 2, ch. 2, pp. 25-27.
Waste-heat boilers, v. 2, ch. 4, p. 32.
Wastewater treatment, see Sanitation.
Water, v. 3, ch. 4; see also Groundwater; Surface water.
 amenity areas,
 effect on residential settlement, v. 5, ch. 7, pp. 25-26.
 annual outputs from mine/mill, v. 3, ch. 4, table 47.
 color due to organic material, v. 3, ch. 4, p. 54.
 consumption for smelter/refinery, v. 2, ch. 4, pp. 148-150.
 discharges from smelter/refinery, v. 2, ch. 4, pp. 147-148,
 figure 59.
 distribution by year for integrated mine model, v. 2, ch. 5,
 table 19.
 effect on residential settlement, v. 5, ch. 7, pp. 21-22.
 hardness, v. 3, ch. 4, p. 55.
 impacts of copper-nickel development on consumption, v. 1, ch. 5,
 pp. 50-51.
 inflow into mines, v. 2, ch. 5, p. 23.
 ionic strength,
 effect on metal solubility, v. 3, ch. 4, pp. 153-154.
 land cover, v. 5, ch. 3, pp. 6-7.
 land cover - year 2000, v. 5, ch. 3, p. 20.
 makeup requirements for smelter/refinery, v. 2, ch. 4, pp. 150-152.
 municipal and industrial discharges, v. 3, ch. 4, pp. 72-74.
 pH, v. 2, ch. 4, p. 156; v. 3, ch. 4, p. 189.

Water (continued)

- pH,
 - effect on leaching, v. 3, ch. 4, pp. 152-153.
 - potable, v. 2, ch. 3, p. 90.
 - for processing, v. 2, ch. 3, pp. 3, 9-10, 90-91, figure 30;
 - v. 2, ch. 5, p. 26, figure 9.
 - quantity, v. 1, ch. 5, pp. 37-38.
 - recycling from tailing basin, v. 2, ch. 3, p. 10.
 - siting constraints for mining development, v. 5, ch. 5, p. 27.
 - for smelter/refinery, v. 2, ch. 4, pp. 10, 147-158; v. 2, ch. 5, pp. 28-29.
 - snowmelt, v. 3, ch. 4, pp. 83-84.
 - acidity, v. 3, ch. 4, pp. 13-14.
 - as source of acid production in underground mines, v. 2, ch. 2, p. 18.
 - sources in copper-nickel development zones, v. 3, ch. 4, pp. 146-149.
 - specific conductance, v. 3, ch. 4, p. 55.
 - stream appropriation for water needs, v. 3, ch. 4, pp. 18-19.
 - supply in copper-nickel development zones, v. 3, ch. 4, pp. 145-149.
 - from tailing basins,
 - reuse, v. 2, ch. 3, pp. 60, 67-68.
 - total balance in integrated operation, v. 2, ch. 5, figure 11, 12, 13.
 - total organic content (TOC), v. 3, ch. 4, p. 56.
 - transportation, v. 2, ch. 5, pp. 55-56, table 37, figure 31.
 - treatment of effluents, v. 2, ch. 3, pp. 80-84.
 - in underground mines, v. 2, ch. 2, pp. 18-19.
 - use, v. 3, ch. 4, pp. 49-50.
 - use and discharge,
 - model, v. 3, ch. 4, pp. 14-15.
- Water and sewer systems, see Sanitation.
- Water budget, v. 3, ch. 4, pp. 15-18, 87-119, 210-211.
 - collection of runoff, v. 3, ch. 4, pp. 135-139.
 - for mill and tailing basins, v. 3, ch. 4, pp. 111-112, table 52.
 - mine/mill operation, v. 3, ch. 4, pp. 110, 128-139, table 48.
 - multiple year, v. 3, ch. 4, pp. 115-117.
 - post-production, v. 3, ch. 4, pp. 117-119.
 - for smelter/refinery, v. 3, ch. 4, pp. 112-114, 139-142.
 - for total integrated system, v. 3, ch. 4, pp. 114-115, table 54.
- Water emissions, v. 2, ch. 4, pp. 67-68.
 - area sources, v. 3, ch. 4, pp. 74-75.
- Water Hen Intrusion, v. 3, ch. 1, p. 42.
- Water quality, v. 1, ch. 5, pp. 38-45; v. 2, ch. 4, pp. 152-158;
 - v. 3, ch. 4, pp. 8-14, 50-87.
 - acid plant blowdown, v. 2, ch. 4, p. 155, table 36.
 - anode casting water, v. 2, ch. 4, p. 154, table 34.
 - concentrations of chemicals,
 - formula, v. 3, ch. 4, pp. 195-196.
 - copper refinery, v. 2, ch. 4, p. 155, table 37.
 - effect on heavy metal,
 - toxicity to aquatic biota, v. 4, ch. 1, p. 50.
 - effect on natural and scientific areas, v. 5, ch. 10, pp. 11-15.
 - effect on recreation, v. 5, ch. 9, pp. 17-20.
 - existing impacts, v. 3, ch. 4, pp. 71-75.
 - of groundwater, v. 3, ch. 4, pp. 67-71, table 26.
 - guidelines for human health, v. 5, ch. 2, pp. 20-21, table 21.

Water quality (continued)

- impacts, v. 3, ch. 4, pp. 22-27.
- impacts of atmospheric deposition, v. 3, ch. 4, pp. 80-85.
- impacts of copper-nickel mining, v. 3, ch. 4, pp. 184-212.
- of mine water, v. 3, ch. 4, pp. 162-165.
- models, v. 3, ch. 4, pp. 149-183.
- nickel refinery, v. 2, ch. 4, p. 156.
- post-operational phase, v. 3, ch. 4, pp. 164-165.
- potable water, v. 2, ch. 4, p. 155.
- potential impacts on BWCA, v. 3, ch. 4, pp. 25-26.
- runoff from waste rock piles, v. 3, ch. 4, pp. 168-170.
- slag granulation water, v. 2, ch. 4, pp. 154-155, table 35.
- smelter/refinery, v. 3, ch. 4, pp. 179-183, table 85, 86.
- source models, v. 3, ch. 4, pp. 21-22.
- of streams in Study Area, v. 2, ch. 4, p. 154, table 32.
- of surface waters, v. 3, ch. 4, pp. 52-67, table 21.
- in tailing basins, v. 3, ch. 4, pp. 170-179.
- Water quality regulations, v. 3, ch. 4, pp. 10-11.
- Water Quality Research Area, v. 1, ch. 3, p. 5; v. 3, ch. 4, p. 5,
figure 1, 2.
- Water system,
 - for mill and tailing basins, v. 3, ch. 4, pp. 103-106.
 - for mine/mill operation, v. 3, ch. 4, pp. 90-103.
 - for processing, v. 2, ch. 3, pp. 89-91.
 - for smelter/refinery, v. 3, ch. 4, pp. 106-109.
- Watersheds,
 - in Copper-Nickel Study Area, v. 3, ch. 4, p. 28, table 4.
 - drainage area affecting streamflow, v. 3, ch. 4, pp. 33-34,
figure 10.
 - lake watershed area and dilutional flow formula, v. 3, ch. 4,
p. 205.
 - sensitivity, v. 4, ch. 1, p. 47.
 - size necessary to dilute mine discharges, v. 3, ch. 4, pp. 199-204.
 - by vegetation and soil characteristics, v. 4, ch. 2, pp. 108-111.
- Waterways, v. 5, ch. 8, pp. 9-13.
 - Great Lakes, v. 5, ch. 8, pp. 9-11.
 - ability to handle projected demands, v. 5, ch. 8, p. 17.
 - capacity, v. 5, ch. 8, pp. 10-11.
 - Inland, v. 5, ch. 8, pp. 11-13.
 - ability to handle projected demands, v. 5, ch. 8, pp. 17-18.
 - capacity, v. 5, ch. 8, pp. 12-13.
- Wawa belt, v. 3, ch. 1, p. 6.
- Weasel (*Mustela* spp.), v. 4, ch. 2, p. 29.
- Weather, see Climate.
- Weeks Act of 1911, v. 5, ch. 4, p. 9.
- Wet scrubbers, v. 3, ch. 3, pp. 157-158.
 - for particulate removal, v. 2, ch. 4, p. 99.
- Wetlands, v. 4, ch. 2, pp. 6-7, 43-56.
 - black ash, v. 4, ch. 2, pp. 54-56.
 - effect on residential settlement, v. 5, ch. 7, pp. 21-22.
 - siting constraints for mining development, v. 5, ch. 5, pp. 27-28.
- White pine blister rust (*Cronartium ribicola*), v. 4, ch. 2, pp. 79, 96.
- White Pine Jordan National Landmark (proposed), v. 5, ch. 10, p. 6.
- Whitefish (*Coregonus clupeaformis*), v. 4, ch. 1, p. 23.

- Wildlife,
 contribution to sound levels, v. 3, ch. 5, pp. 18-19.
 impacts of noise, v. 4, ch. 2, pp. 163-166.
 susceptibility to impacts, v. 4, ch. 2, pp. 98-101.
- Williams Pipeline Co., v. 5, ch. 11, pp. 8, 9.
- Willow, Bebb's (Salix bebbiana), v. 4, ch. 2, pp. 62-63, 66, 68.
- Wind, v. 3, ch. 3, pp. 50-58.
 barriers for tailing basins, v. 2, ch. 2, p. 40.
 effect of wind on propagation loss of sound, v. 3, ch. 5, pp. 22-23.
 high-altitude winds, v. 3, ch. 3, pp. 51-52.
 influence of Lake Superior, v. 3, ch. 3, pp. 78-80.
 patterns,
 by time of year, v. 3, ch. 3, pp. 55-58.
 sound levels, v. 3, ch. 5, pp. 10-18.
 sound levels for different vegetation types, v. 3, ch. 5, p. 14, table 5.
 surface wind patterns, v. 3, ch. 3, pp. 52-58.
 wind rose for Hibbing by month, v. 3, ch. 3, figure 13A-27.
- Winter dormant mammals, v. 4, ch. 2, p. 28.
- Winton, see Ely-Winton.
- Wisconsin,
 tax revenues over life of mine, v. 5, ch. 17, appendix C.
 taxation of mineral industries, v. 5, ch. 17, pp. 51-57, appendix A.
- Wolf, eastern timber (Canis lupus lycaeon), v. 4, ch. 2, pp. 29, 34-35, 87-88.
 destruction of habitat, v. 4, ch. 2, p. 100.
 influence of social patterns on habitat use, v. 4, ch. 2, p. 168.
- Woodcock (Philohela minor), v. 4, ch. 2, pp. 30, 47, 60, 71.
- Woodpecker, black-backed three-toed (Picoides arcticus), v. 4, ch. 2, p. 64.
- Woodpecker, downy (Dendrocopos pubescens), v. 4, ch. 2, pp. 60, 64.
- Woodpecker, hairy (Dendrocopos villosus), v. 4, ch. 2, pp. 60, 64, 73.
- Woodpecker, northern three-toed (Picoides tridactylus), v. 4, ch. 2, p. 51.
- Worker's compensation, v. 5, ch. 12, pp. 48-49.
- Wren, winter (Troglodytes troglodytes), v. 4, ch. 2, pp. 50, 77.
- X -
- Xanthates, see Flotation, chemical reagents.
- Y -
- Yellowthroat, common (Geothlypis trichas), v. 4, ch. 2, p. 47.
- Z -
- Zinc,
 damage to vegetation, v. 4, ch. 2, p. 139.

Zinc (continued)

effect on health, v. 5, ch. 2, pp. 90-91.

emissions from smelter, v. 2, ch. 4, p. 130.

in smelter gas streams, v. 3, ch. 3, p. 160, table 68.

in soils, v. 3, ch. 1, p. 31.

toxicity to aquatic biota, v. 4, ch. 1, pp. 68-69, figure 30.

Zoning,

effect on government service costs, v. 5, ch. 13, pp. 15-16.

effect on residential settlement, v. 5, ch. 7, pp. 23-24, table 12.

Zooplankton, v. 4, ch. 1, p. 36.

heavy metal toxicity tests, v. 4, ch. 1, p. 63.

AUTHOR INDEX

Ashbrook, Peter

Public health, v. 5, ch. 2.

Bauman, Eric H.

Mine lands, v. 5, ch. 5.

Outdoor recreation, v. 5, ch. 9.

Donaldson, Mark

Characteristics of the mineral industry: copper, nickel,
and cobalt, v. 5, ch. 14.

Community government service cost and revenue projections,
v. 5, ch. 13.

Government taxes and aids and estimated government revenue,
v. 5, ch. 12.

Human populations, v. 5, ch. 1.

Local economic analysis: a case study of Ely, Minnesota,
v. 5, ch. 16.

Regional economic impacts, v. 5, ch. 15.

Regional energy systems, v. 5, ch. 11.

Eger, Paul

Water resources, v. 3, ch. 4.

Hewett, Martha

Water resources, v. 3, ch. 4.

Honetschlager, Beth

Water resources, v. 3, ch. 4.

Johnson, Mark D.

Aquatic biology resources, v. 4, ch. 1.

Kreisman, Peter J.

Air resources, v. 3, ch. 3.

Geology and mineralogy, v. 3, ch. 1.

Integrated development models, v. 2, ch. 5.

Mineral resource potential, v. 3, ch. 2.

Smelting and refining, v. 2, ch. 4.

Lapakko, Kim

Water resources, v. 3, ch. 4.

Lentz, Charles O.

Forest lands and the forest products industry, v. 5, ch. 6.

Land use-land cover overview, v. 5, ch. 3.

Outdoor recreation, v. 5, ch. 9.

Residential settlement patterns, v. 5, ch. 7.

Lichty, Richard

Local economic analysis: a study of Ely, Minnesota, v. 5, ch. 16.

Lieberman, Gerald A.

Aquatic biology resources, v. 4, ch. 1.

Public health, v. 5, ch. 2.

Terrestrial ecosystems, v. 4, ch. 2.

Maki, Wilbur

Regional economic impacts, v. 5, ch. 15.

Meagher, Patrick D.

Human populations, v. 5, ch. 1.

Regional economic impacts, v. 5, ch. 15.

Mustalish, Roger

Water resources, v. 3, ch. 4.

Nelson, Barbara

Lands and minerals ownership, v. 5, ch. 4.

Mine lands, v. 5, ch. 5.

Outdoor recreation, v. 5, ch. 9.

Oman, Steven P.

Mineral extraction (Mining), v. 2, ch. 2.

Patterson, William A.

Terrestrial ecosystems, v. 4, ch. 2.

Pojar, Michael J.

Smelting and refining, v. 2, ch. 4.

Poppe, Robert H.

Integrated development models, v. 2, ch. 5.

Ritchie, Ingrid

Air resources, v. 3, ch. 3.

Sather, Nancy

Forest lands and the forest products industry, v. 5, ch. 6.

Geology and mineralogy, v. 3, ch. 1.

Mineral extraction (Mining), v. 2, ch. 2.

Mineral resource potential, v. 3, ch. 2.

Terrestrial ecosystems, v. 4, ch. 2.

Sipson, Roger F.

Noise in the environment, v. 3, ch. 5.

Stevenson, Robert J.

Geology and mineralogy, v. 3, ch. 1.

Mineral resource potential, v. 3, ch. 2.

Thingvold, Daryle

Water resources, v. 3, ch. 4.

Tull, Royden E.

State mineral policy and copper-nickel mining profitability,
v. 5, ch. 17.

Veith, David L.

Integrated development models, v. 2, ch. 5.

Mineral processing, v. 2, ch. 3.

Waldum, Marit

Lands and minerals ownership, v. 5, ch. 4.

Mine lands, v. 5, ch. 5.

Natural, scientific, and historical areas, v. 5, ch. 10.

Transportation, v. 5, ch. 8.

Webb, Sara

Outdoor recreation, v. 5, ch. 9.

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
dcfror	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