

## LIST OF PREPARERS

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<b>Name and Affiliation</b>	<b>SDEIS Responsibility and Qualifications</b>
<b>Minnesota Department of Natural Resources</b>	
Lisa Fay	Project Manager B.S. Natural Resources and Environmental Studies 18 years experience in environmental review
Stuart Arkley	Project Manager B.S. Chemistry with Industrial Economics, J.D. Law 20 years environmental experience including environmental review, environmental policy, permitting, and rule development
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Michael Berndt, Ph.D.	Research Scientist 3 B.S. Geology; B.S. Geophysics; M.S. Geology; Ph.D. Geology 25 years research experience specializing in aqueous geochemistry
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Mike Kunz, P.G.	Principal Planner B.S. Geology 25 years experience of technical and management experience in environmental impact assessment feasibility studies, regulatory review/compliance, and permitting, 2 years experience in mining environmental review/permitting
Anne Jagunich	Mineland Reclamation Specialist, Sr. B.S. Watershed Management and Soil Science 29 years experience in mine reclamation permitting, monitoring, and research
Julie Jordan	Mineland Reclamation Specialist, Sr. B.S. Biology; M.S. Biology (Mineland Reclamation Emphasis) 27 years experience in mineland reclamation , planning, permitting, and environmental review
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Michael Liljegren	Hydrogeologist B.S. Geosciences 19 years experience in hydrogeology/hydrology and 9 years in mine permitting and environmental review
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Kate Paul	Mine Reclamation Specialist, Sr. B.S. Biology; M.S. Wildlife Ecology 4 years experience in environmental review and permitting for mining projects
Zach Wenz, Ph.D.	Environmental Research Scientist B.S. Geology; M.S. Geology; Ph.D. Geology 4 years research experience in geochemistry
<b>U.S. Army Corps of Engineers</b>	
Tom Hingsberger	Project Manager B.A. Geology 15 years geology experience in civil works and 8 years experience in regulatory project management
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Brad Johnson	Cultural Resources Manager B.A. Anthropology; M.A. Interdisciplinary Archaeological Studies 32 years archaeology experience

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<b>U.S. Forest Service</b>	
Shirley Frank	Environmental Coordinator B.S. Forest Resources 23 years NEPA and environmental planning experience
Susan Duffy	Recreation and Wilderness Program Manager B.S. Forestry and Natural Resource Management 29 years experience in forestry, recreation, wilderness, and NEPA
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Lisa Radosevich-Craig	Tribal Liaison B.A. Political Science 15 years experience in federal public policy, public lands policy, and tribal relations
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Elizabeth Schleif	Realty Specialist B.S. Civil & Environmental Engineering, Juris Doctorate (J.D.) 22 years real estate and surveying experience with the USDA Forest Service, 8 years private practice as property and business attorney
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<b>Name and Affiliation</b>	<b>SDEIS Responsibility and Qualifications</b>
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<b>Minnesota Pollution Control Agency</b>	
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Erik Carlson	Metallic Mining Sector Supervisor B.S. Planning, Public Policy, and Management; M.S. Environmental Planning 10 years experience in urban and environmental planning and project management
Richard Clark, P.G.	Hydrogeologist B.S. Geological Engineering; M.S. Geology 22 years experience in water quality permitting and review of mining projects
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Ann Foss	Mining Sector Director B.S. Agricultural Engineering; M.S. Theoretical Mathematics 13 years multimedia permitting, environmental review, and compliance and enforcement experience with the mining sector

<b>Name and Affiliation</b>	<b>SDEIS Responsibility and Qualifications</b>
Anne Jackson	Principal Engineer B.S. Civil Engineering 22 years air emissions standards development and environmental review
Hongming Jiang, P.E.	Research Scientist B.S., M.S., Ph.D. in Agricultural Engineering 18 years air quality permitting for mining facilities and projects
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Ruth Roberson	Research Scientist B.S. Agriculture; M.S. Soil Science (soil physics) 4 years experience as a research scientist conducting and reviewing atmospheric dispersion modeling for air quality and regulatory compliance purposes
Sarah Seelen	Air Permit Engineer B.A. Environmental Science; M.S. Environmental Engineering 5 years experience in air permit and environmental engineering
Ed Swain, Ph.D.	Research Scientist B.A. Biology; Ph.D. Ecology 23 years of research experience with acid deposition and mercury

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<b>Environmental Resources Management (ERM) and ERM subcontractors</b>	
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Alan Finio	Cumulative Effects B.S. Environmental Science 25 years of management and technical experience with environmental impact assessment, permitting, and environmental compliance

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Jeff Williams	Fish and Macroinvertebrates B.S. Biology 19 years experience in fisheries, aquaculture, wetland and habitat assessments, baseline environmental surveys, impact assessments and permitting
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Bryan Ulrich, P.E., Pr. Eng. Knight Piesold	Geotechnical Engineer B.S. Mining Engineering; B.S. Geological Engineering; M.E. Geotechnical Engineering 25 years experience in the design, construction and assessment of civil/geotechnical design for mine facilities, including tailings facilities, heap leach pads, and waste rock facilities
Fred Marinelli, Ph.D., P.E. InTerra Logic	Groundwater Hydrologist; GoldSim Modeler B.A. Geology; M.S. Hydrology; Ph.D. Civil Engineering 35 years experience in all aspects of groundwater hydrology and hydraulics; 10 years experience developing dynamic system models for water management