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FORMOSA MINE - NPL DOCKET ADMINISTRATIVE RECORD (FORND)

March 5, 2007

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SUB-HEAD: 1. 2... Vol. 1 - Hazard Ranking System Documentation and References

1. 2... Vol. 1 - DOC ID: 1276267 IMAGED
DATE: 3/1/2007 PAGES: 1
AUTHOR(S): ADDRESSEE(S):
EPA Unknown

DESCRIPTION: National Priorities List (NPL) Proposed Site Narrative for Formosa Mine, Douglas County, Oregon.

1. 2... Vol. 1 - DOC ID: 1276268 IMAGED
DATE: 3/1/2007 PAGES: 71
AUTHOR(S): ADDRESSEE(S):
EPA Unknown

DESCRIPTION: HRS (Hazardous Ranking Score) Documentation Record and Scoresheets for Formosa Mine (Silver Butte Mine, Silver Peak Mine), Douglas County, Oregon.

SUB-HEAD: 1. 2... Vol. 2 - Hazard Ranking System Documentation and References

1. 2... Vol. 2 - DOC ID: 1276215 IMAGED
DATE: 1/1/1986 PAGES: 2
AUTHOR(S): ADDRESSEE(S):
U. S. Geological Survey Unknown

Ecology & Environment, Inc.

DESCRIPTION: 7.5 x 15-Minute topographic map of McCullough Creek, Douglas County, Oregon (Reference 3).

1. 2... Vol. 2 - DOC ID: 1276213 IMAGED
DATE: 12/14/1990 PAGES: 5
AUTHOR(S): ADDRESSEE(S):
Federal Register Unknown

DESCRIPTION: EPA Hazard Ranking System: Federal Register, Final Rule, 40 CFR Part 300, Appendix A, 55 FR 51532 (Reference 1).

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1. 2... Vol. 2 - DOC ID: 1276218 IMAGED
DATE: 2/1/2000 PAGES: 205
AUTHOR(S): DYNAMAC CORPORATION ADDRESSEE(S):
U. S. Bureau of Land Management

DESCRIPTION: Final Site Assessment Report, Formosa Mine Site, Douglas County, Oregon (Reference 6).

1. 2... Vol. 2 - DOC ID: 1276217 IMAGED
DATE: 6/2/2000 PAGES: 70
AUTHOR(S): U. S. Bureau of Land Management ADDRESSEE(S):
Unknown

Oregon Dept. of Environmental Quality

DESCRIPTION: Report: Formosa Abandoned Mine Land Site Remedial Investigation (Reference 5).

1. 2... Vol. 2 - DOC ID: 1276216 IMAGED
DATE: 12/11/2002 PAGES: 712
AUTHOR(S): Hart Crowser, Inc. ADDRESSEE(S):
Oregon Dept. of Environmental Quality

DESCRIPTION: Supplemental Remedial Investigation Report, Vol. 1, Formosa Abandoned Mine Land Site, Douglas County, Oregon (Reference 4).

1. 2... Vol. 2 - DOC ID: 1276214 IMAGED
DATE: 1/1/2004 PAGES: 12
AUTHOR(S): EPA ADDRESSEE(S):
Unknown

DESCRIPTION: Superfund Chemical Data Matrix (Reference 2).

SUB-HEAD: 1. 2... Vol. 3 - Hazard Ranking System Documentation and References

1. 2... Vol. 3 - DOC ID: 1276230 IMAGED
DATE: PAGES: 13
AUTHOR(S): Oregon Dept. of Geology and Mineral Resources ADDRESSEE(S):
Unknown

DESCRIPTION: Evaluation Description, Formosa Exploration, Inc., Operating Permit for the Silver Peak Mine, Douglas County, Oregon (Reference 17).

1. 2... Vol. 3 - DOC ID: 1276221 IMAGED
DATE: 12/1/1994 PAGES: 26
AUTHOR(S): Allen Throop/Oregon Dept. of Geology and Mineral Resources ADDRESSEE(S):
Unknown

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DESCRIPTION:

Report: Reclamation of Formosa Exploration's Silver Butte Mine as of December 1994 (Reference 8).

1. 2... Vol. 3 - DOC ID: 1276223 IMAGED
DATE: 9/30/1999 PAGES: 78
AUTHOR(S): DYNAMAC CORPORATION
ADDRESSEE(S): U. S. Bureau of Land Management

DESCRIPTION:

Draft Sampling and Analysis Plan for the Environmental Site Assessment, Silver Butte and Umpqua Mine Sites, Oregon (Reference 10).

1. 2... Vol. 3 - DOC ID: 1276229 IMAGED
DATE: 6/2/2000 PAGES: 180
AUTHOR(S): U. S. Bureau of Land Management
ADDRESSEE(S): Renee Nordeen/Ecology & Environment, Inc.

Mark Woodke/Ecology & Environment, Inc.

Karl Morgenstern/Oregon Dept. of Environmental Quality

DESCRIPTION:

Formosa Mine Surface Water Analytical Laboratory Reports and chain-of-custody reports, with data validation memoranda including data collected in support of Formosa Abandoned Mine Land Site Remedial Investigation dated 6/2/2000 (Reference 16).

1. 2... Vol. 3 - DOC ID: 1276222 IMAGED
DATE: 9/21/2000 PAGES: 260
AUTHOR(S): Hart Crowser, Inc.
ADDRESSEE(S): Oregon Dept. of Environmental Quality

DESCRIPTION:

Removal Assessment: Focused Engineering Evaluation and Cost Analysis, Formosa Abandoned Mine Land Site, Douglas County, Oregon (Reference 9).

1. 2... Vol. 3 - DOC ID: 1276219 IMAGED
DATE: 11/8/2001 PAGES: 92
AUTHOR(S): Hart Crowser, Inc.
ADDRESSEE(S): Oregon Dept. of Environmental Quality

DESCRIPTION:

Supplemental Remedial Investigation Work Plan, Formosa Abandoned Mine Land Site, Douglas County, Oregon (Reference 7).

1. 2... Vol. 3 - DOC ID: 1276231 IMAGED
DATE: 3/31/2005 PAGES: 2
AUTHOR(S): Kerrie M. Stewart/Ecology & Environment, Inc.
ADDRESSEE(S): Unknown

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DESCRIPTION:

Record of phone call with Jim Brick, Oregon Dept. of Fish and Wildlife, discussing threatened and endangered species in South Fork Middle Creek and Middle Creek (Reference 18).

1. 2... Vol. 3 - DOC ID: 1276226 IMAGED
DATE: 9/26/2005 PAGES: 2
AUTHOR(S): U. S. Geological Survey ADDRESSEE(S): Unknown

DESCRIPTION:

Calendar Year Streamflow Statistics for Cow Creek Near Riddle, Oregon (Reference 13).

1. 2... Vol. 3 - DOC ID: 1276225 IMAGED
DATE: 3/1/2006 PAGES: 60
AUTHOR(S): Ecology & Environment, Inc. ADDRESSEE(S): Ken Marcy/EPA

DESCRIPTION:

Formosa Mine Preliminary Assessment Report, Douglas County, Oregon (TDD: 06-01-0033) (Reference 12).

1. 2... Vol. 3 - DOC ID: 1276224 IMAGED
DATE: 6/21/2006 PAGES: 142
AUTHOR(S): Ecology & Environment, Inc. ADDRESSEE(S): EPA

DESCRIPTION:

Formosa Mine Site Site-Specific Sampling Plan (TDD: 06-01-0025) (Reference 11).

1. 2... Vol. 3 - DOC ID: 1276227 IMAGED
DATE: 9/18/2006 PAGES: 101
AUTHOR(S): Erin Lynch/Ecology & Environment, Inc. ADDRESSEE(S): Renee Nordeen/Ecology & Environment, Inc.

DESCRIPTION:

Memorandum regarding Formosa Mine, Douglas County, Oregon Removal Assessment Activities to Date (Reference 14).

1. 2... Vol. 3 - DOC ID: 1276228 IMAGED
DATE: 10/25/2006 PAGES: 3
AUTHOR(S): Kerrie M. Stewart/Ecology & Environment, Inc. ADDRESSEE(S): Unknown

DESCRIPTION:

Record of phone call with Fabian Carr, Oregon Dept. of Fish and Wildlife, regarding fish occurrence in Middle Creek, South Fork Middle Creek, and Cow Creek (Reference 15).

SUB-HEAD: 1. 2... Vol. 4 - Hazard Ranking System Documentation and References

1. 2... Vol. 4 - DOC ID: 1276236 IMAGED
DATE: 11/1/2002 PAGES: 411
AUTHOR(S): ADDRESSEE(S):

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U. S. Bureau of Land Management

Unknown

DESCRIPTION:

Report: Lower Cow Creek Watershed Analysis and Water Quality Restoration Plan, Roseburg District South River Resource Area (Reference 22).

1. 2... Vol. 4 -

DATE: 1/15/2004

DOC ID: 1276232 IMAGED

PAGES: 298

AUTHOR(S):

Taku Fuji/Hart Crowser, Inc.

ADDRESSEE(S):

Amanda Spencer/Oregon Dept. of Environmental Quality

DESCRIPTION:

Report: Human Health and Ecological Baseline Risk Assessment, Formosa Abandoned Mine Land Site, Douglas County, Oregon (Reference 19).

1. 2... Vol. 4 -

DATE: 12/8/2004

DOC ID: 1276235 IMAGED

PAGES: 444

AUTHOR(S):

Michael Bailey/Hart Crowser, Inc.

ADDRESSEE(S):

Oregon Dept. of Environmental Quality

DESCRIPTION:

Report: Feasibility Study, Formosa Abandoned Mine Site, Douglas County, Oregon (Reference 21).

1. 2... Vol. 4 -

DATE: 10/13/2006

DOC ID: 1276234 IMAGED

PAGES: 2

AUTHOR(S):

Jim Harvey/U. S. Bureau of Land Management

ADDRESSEE(S):

Unknown

DESCRIPTION:

Formosa Mine Sampling Locations: Water Quality Site Locations for Samples Collected March 21-23, 2000 (Reference 20).

SUB-HEAD: 1. 2... Vol. 5 -

Hazard Ranking System Documentation and References

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DATE:

DOC ID: 1276252 IMAGED

PAGES: 2

AUTHOR(S):

Unknown

ADDRESSEE(S):

Unknown

DESCRIPTION:

Screen shot of conversion program demonstrating conversion from cubic feet per second to gallons per second (Reference 37).

1. 2... Vol. 5 -

DATE: 7/17/1969

DOC ID: 1276239 IMAGED

PAGES: 26

AUTHOR(S):

Oregon Dept. of Fish and Wildlife

ADDRESSEE(S):

Unknown

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DESCRIPTION:

Oregon State Game Commission Physical and Biological Stream Survey data for survey conducted 7/11-17/1969 (Reference 24).

1. 2... Vol. 5 - DOC ID: 1276240 IMAGED
DATE: 8/20/1984 PAGES: 9
AUTHOR(S): U. S. Bureau of Land Management ADDRESSEE(S): Unknown

DESCRIPTION:

Field notes from sampling conducted 1982 and 1984 (Reference 25).

1. 2... Vol. 5 - DOC ID: 1276241 IMAGED
DATE: 12/1/1988 PAGES: 7
AUTHOR(S): NORECOL ADDRESSEE(S): Unknown

DESCRIPTION:

Formosa Exploration Inc., Fisheries, Water Quality and Hydrology Trip Report (Reference 26).

1. 2... Vol. 5 - DOC ID: 1276245 IMAGED
DATE: 4/1/1996 PAGES: 6
AUTHOR(S): Allen Throop/Oregon Dept. of Geology and Mineral Resources ADDRESSEE(S): Unknown

DESCRIPTION:

Formosa Exploration's Silver Butte Mine Status Update - April 1996 (Reference 30).

1. 2... Vol. 5 - DOC ID: 1276257 IMAGED
DATE: 11/1/1996 PAGES: 19
AUTHOR(S): EPA ADDRESSEE(S): Unknown

DESCRIPTION:

Fact Sheet: Using Qualified Data to Document an Observed Release and Observed Contamination (OSWER 9285.5-14FS) (Reference 42).

1. 2... Vol. 5 - DOC ID: 1276238 IMAGED
DATE: 6/23/1998 PAGES: 102
AUTHOR(S): Oregon Dept. of Environmental Quality ADDRESSEE(S): Unknown

DESCRIPTION:

Field Methods: Oregon Plan for Salmon and Watersheds (Coastal Salmon Restoration Initiative), Physical Habitat, Macroinvertebrates, Aquatic Vertebrates, Water Chemistry (Reference 23).

1. 2... Vol. 5 - DOC ID: 1276242 IMAGED
DATE: 7/21/2000 PAGES: 3
AUTHOR(S): U. S. Bureau of Land Management ADDRESSEE(S): Unknown

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DESCRIPTION: Results of BLM (Bureau of Land Management) Field Sampling (Reference 27).

1. 2... Vol. 5 - DOC ID: 1276250 IMAGED
DATE: 3/22/2001 PAGES: 38
AUTHOR(S): Hart Crowser, Inc. ADDRESSEE(S): Oregon Dept. of Environmental Quality

DESCRIPTION: Interim Remedial Action Measure Report, Formosa Abandoned Mine Land Site, Douglas County, Oregon (Reference 35).

1. 2... Vol. 5 - DOC ID: 1276251 IMAGED
DATE: 9/18/2001 PAGES: 56
AUTHOR(S): Michael W. Stevens/Hart Crowser, Inc. ADDRESSEE(S): Oregon Dept. of Environmental Quality
Herbert F. Clough/Hart Crowser, Inc.

DESCRIPTION: Data Evaluation Report, Formosa Abandoned Mine Land Site, Douglas County, Oregon (Reference 36).

1. 2... Vol. 5 - DOC ID: 1276247 IMAGED
DATE: 3/1/2003 PAGES: 45
AUTHOR(S): Columbia River Inter-Tribal Fish Commission ADDRESSEE(S): Unknown

DESCRIPTION: Journal: Wana Chinook Tymoo (Reference 32).

1. 2... Vol. 5 - DOC ID: 1276243 IMAGED
DATE: 8/11/2003 PAGES: 17
AUTHOR(S): U. S. Bureau of Land Management ADDRESSEE(S): Unknown

DESCRIPTION: Formosa AML (Abandoned Mine Land Site) Sampling Protocols and Field Notes (Reference 28).

1. 2... Vol. 5 - DOC ID: 1276244 IMAGED
DATE: 1/1/2006 PAGES: 4
AUTHOR(S): Oregon Dept. of Fish and Wildlife ADDRESSEE(S): Unknown

DESCRIPTION: Oregon Sport Fishing 2006 Regulations (excerpts) (Reference 29).
See URL: <http://www.dfw.state.or.us>

1. 2... Vol. 5 - DOC ID: 1276246 IMAGED
DATE: 10/26/2006 PAGES: 2
AUTHOR(S): ADDRESSEE(S):

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Kerrie M. Stewart/Ecology & Environment, Inc.

Unknown

DESCRIPTION:

Record of phone call with Don Frerichs, Oregon State Police, discussing fish catch/release and consumption information for Cow Creek, Middle Creek, and South Fork Middle Creek (Reference 31).

1. 2... Vol. 5 - DOC ID: 1276248 IMAGED
DATE: 1/15/2007 PAGES: 2
AUTHOR(S): Western Regional Climate Center ADDRESSEE(S): Unknown

DESCRIPTION:

Record of Monthly Climate Summary for period 7/1/1948 to 12/31/2005, Riddle 2 NNE, Oregon (Reference 34).

1. 2... Vol. 5 - DOC ID: 1276249 IMAGED
DATE: 1/18/2007 PAGES: 9
AUTHOR(S): Robert Neely/NOAA ADDRESSEE(S): Denise Baker/EPA

DESCRIPTION:

Letter regarding recommendation on Formosa Abandoned Mine Land Site for EPA Regional Decision Team (Reference 33).

1. 2... Vol. 5 - DOC ID: 1276255 IMAGED
DATE: 1/22/2007 PAGES: 27
AUTHOR(S): Mark Woodke/Ecology & Environment, Inc. ADDRESSEE(S): Renee Nordeen/Ecology & Environment, Inc.

DESCRIPTION:

Inorganic Data Summary Check, Formosa Mine Final Site Assessment Report Site, Douglas County, Oregon (TDD: 06-08-0002) (Reference 40).

1. 2... Vol. 5 - DOC ID: 1276256 IMAGED
DATE: 1/22/2007 PAGES: 29
AUTHOR(S): Mark Woodke/Ecology & Environment, Inc. ADDRESSEE(S): Renee Nordeen/Ecology & Environment, Inc.

DESCRIPTION:

Inorganic Data Summary Check, Formosa Mine Supplemental Remedial Investigation Report, Douglas County, Oregon (TDD: 06-08-0002) (Reference 41).

1. 2... Vol. 5 - DOC ID: 1276253 IMAGED
DATE: 1/23/2007 PAGES: 54
AUTHOR(S): Oregon Dept. of Fish and Wildlife ADDRESSEE(S): Unknown

DESCRIPTION:

Salmon/Steelhead Tags - Oregon All Tags Sport Catch for 1994 (Reference 38).

See URL: <http://www.dfw.state.or.us/ODFWhtml/Research&Reports/SportCatch.html>

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1. 2... Vol. 5 - DOC ID: 1276254 IMAGED
DATE: 1/23/2007 PAGES: 5
AUTHOR(S): April Showers/Ecology & Environment, Inc. ADDRESSEE(S):
Renee Nordeen/Ecology & Environment, Inc.

DESCRIPTION: Memorandum regarding calculations of distances, Formosa Mine, Douglas County with attached maps (TDD: 06-01-0033) (Reference 39).

1. 2... Vol. 5 - DOC ID: 1276269 IMAGED
DATE: 2/15/2007 PAGES: 3
AUTHOR(S): Renee Nordeen/Ecology & Environment, Inc. ADDRESSEE(S):
Unknown

DESCRIPTION: Record of phone call with Jim Harvey, U. S. Bureau of Land Management, with attached e-mail to Chuck Wheeler of NOAA regarding points of perennial flow on Middle Creek and South Fork Middle Creek (Reference 43).