

Figure 2.
Site Location Map
Rayonier Mill Off-Property Soil
Dioxin Study
Port Angeles, WA

Legend

-  River
-  Highway
-  Arterial or Collector Road
-  Road
-  City Limits
-  Park

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0 1,250 2,500 5,000
 feet

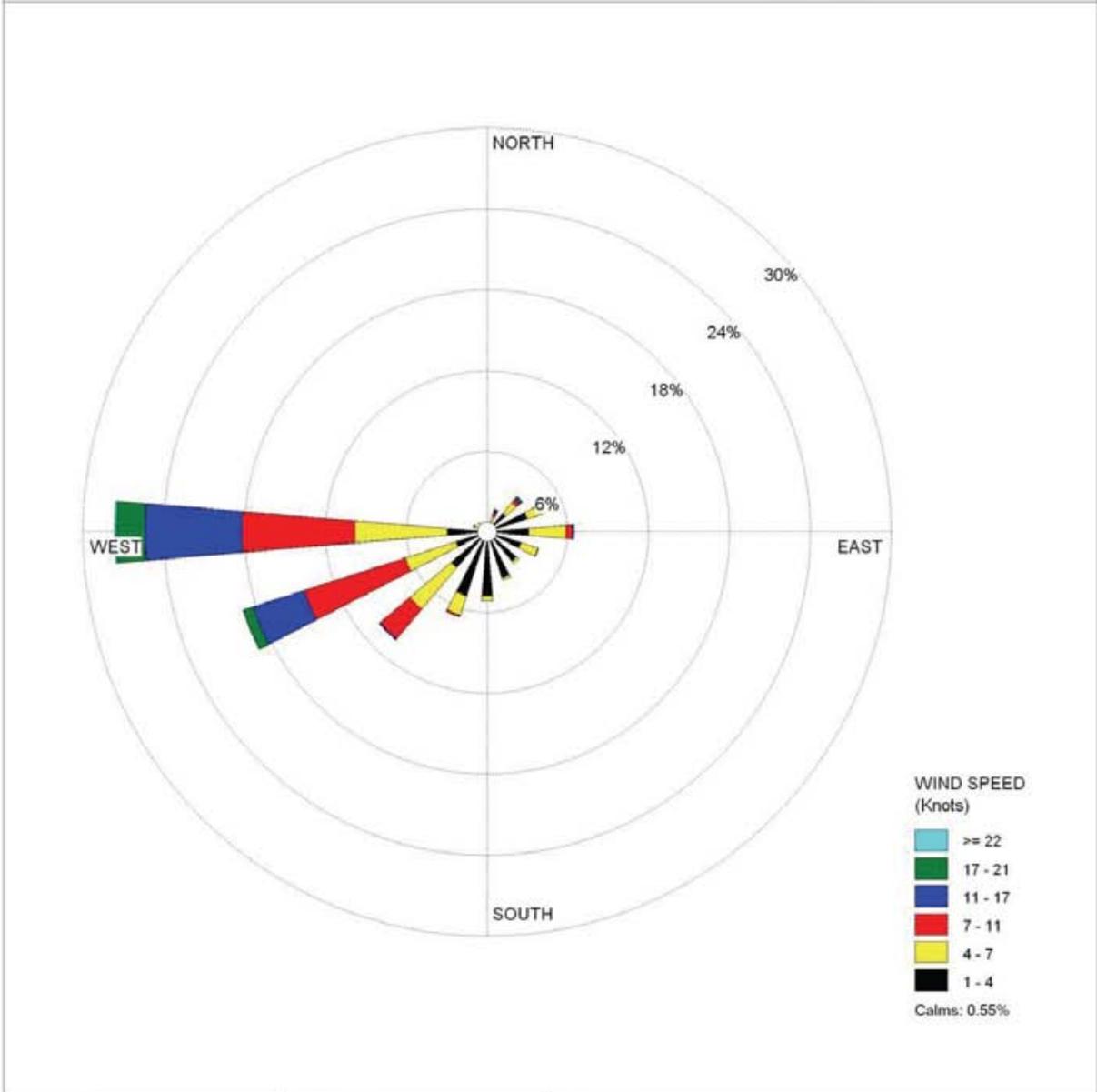
Coordinates: Washington State Plane South
 NAD 83 (feet)
 Aerial: USDA, 2006

Produced By: GIS (JAS)
 Project:
 K:\Projects\06-03386-006\Projects\Site Map New Template.mxd (03/25/2008)



WIND ROSE PLOT:
Station #53009

DISPLAY:
Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	2006 Jan 1 - Dec 31 00:00 - 23:00	MODELER:	
	CALM WINDS:	TOTAL COUNT:	
	0.55%	5686 hrs.	
AVG. WIND SPEED:	DATE:	PROJECT NO.:	
6.47 Knots	3/19/2008		

WRPLOT View - Lakes Environmental Software



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RAYONIER MILL
OFF-PROPERTY SOIL DIOXIN STUDY
CONCEPTUAL SITE MODEL REPORT
Port Angeles, Washington

Figure 3
WIND ROSE FOR YEAR 2006
EDIZ HOOK STATION

Source: Bruce Wattle, E & E Buffalo.

Date:
3-26-08

Drawn by:
AES

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Figure 4.
Potential Fixed Sources of
Dioxins/Furans in Port Angeles
Rayonier Mill Off-Property Soil
Dioxin Study
Port Angeles, WA

Legend

Potential Dioxins/Furans Sources

- Current Boiler
- Current Crematoria
- Current Diesel Boiler
- Current Hog Boiler
- Current Propane Boiler
- Historic Hog Boiler

— — — — — River
— — — — — Highway
— — — — — Arterial or Collector Road
— — — — — Road
 Port Angeles City Limits



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0 1,250 2,500 5,000
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Coordinates: Washington State Plane South
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 Aerial: USDA, 2006



Produced By: GIS (IAS)
 Project:
 K:\Projects\06-03386-006\Projects\Dioxin and Furan Sources.mxd (03/25/2008)

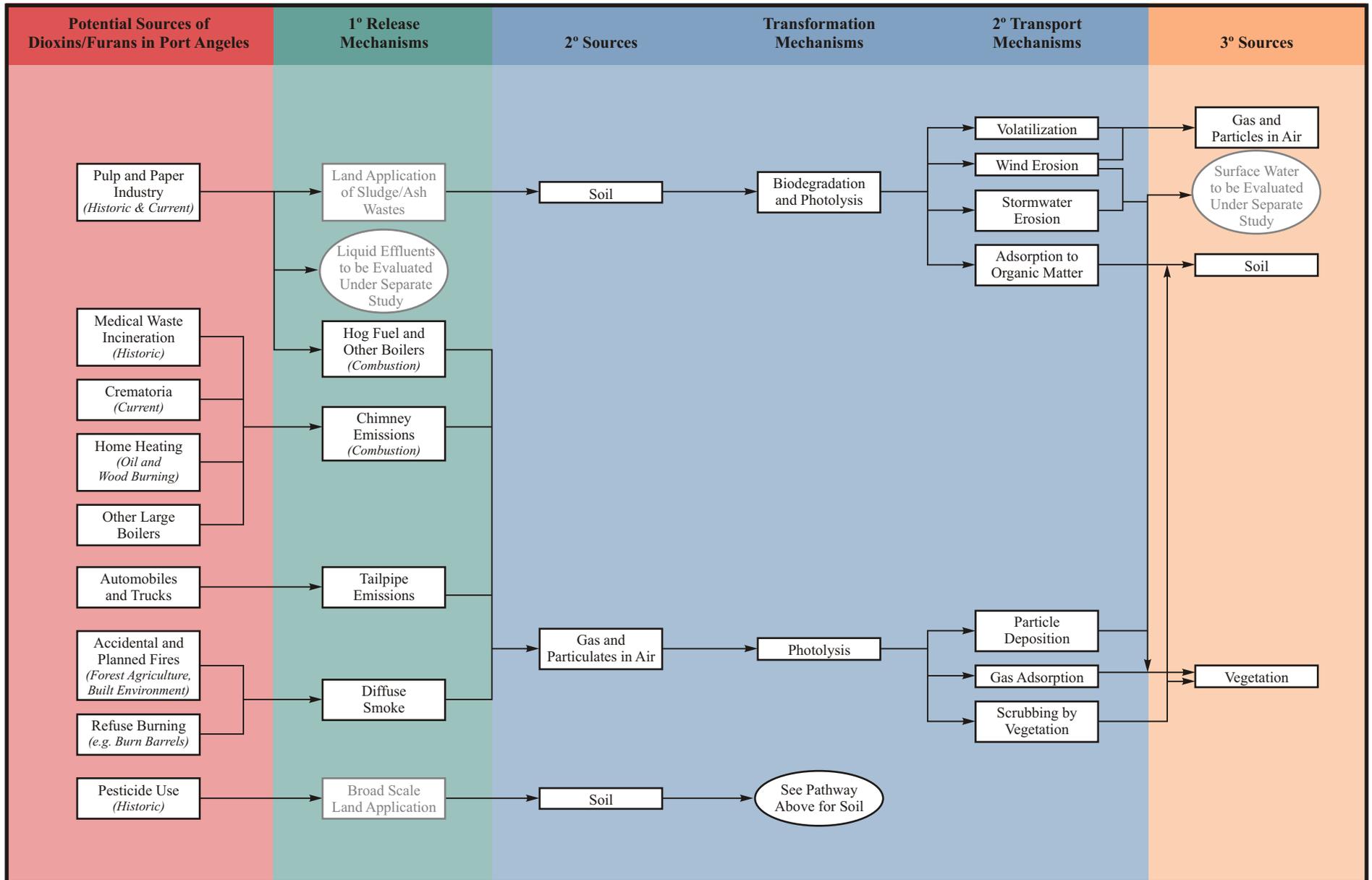


Figure 5

CONCEPTUAL SITE MODEL FOR DIOXIN/FURAN TRANSPORT



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Date:
3/26/08

Drawn by:
AES

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Key to Factors

- 1 Magnitude and Duration of Source Emissions
- 2 Height of Release (2a), Temperature/Plume Rise (2b)
- 3 Distance and Direction from Source (Wind Rose, Dispersion)
- 4 Ground Elevation
- 5 Land Cover (e.g., Forest vs Open)
- 6 Slopes: Aspect, Degree (Deposition, Erosion) and Flooding (Deposition, Erosion)
- 7 Soil Disturbance (Cuts, Fills, Tilling)
- 8 Depth in Soil Column (Fate, Post-Deposition)
- 9 Soil Organic Matter Content

