OCFCF
1,5 V2

From: Jimmy Watts [mailto:jimmy.w.watts@state.or.us]
Sent: Wednesday, May 26, 2010 9:31 AM
To: Costello, Linda
Subject: RE: St. Helens Sites

Hi Linda,

In your latest email, there was only one map (Armstrong World Zone of Contamination) so if there is another map I need to consider, let me know. In the Armstrong map, there are consumptive fisheries for bass, crappie and yellow perch at sites SED 14, SED 5, and SED 8 during May through October. Some anglers may also pursue carp in the same area. There is a non-consumptive trout fishery in McNulty creek during the same timeframe (sites SED 1&2).

Hope this helps,

Jimmy Watts
Oregon Department of Fish and Wildlife
Columbia River Management
17330 SE Evelyn St
Clackamas, OR 97015
971-673-6054

From: Costello, Linda [mailto:LCostello@ene.com]
Sent: Wednesday, May 26, 2010 8:49 AM
To: Jimmy Watts
Subject: RE: St. Helens Sites

Hi again Jimmy,

Even one fish catch for consumption in the Zone of Actual Contamination gives us a lot. Are any fish caught for consumption within the Zone of Actual Contamination from either of the two maps I sent? If so, please provide, if you can, the type of fish and when, in general, fishing occurs.

Also, please send over your direct phone number again.

Thanks,

Linda Costello
Site Assessment Project Leader
Ecology and Environment, Inc.
(b) (6)

From: Jimmy Watts [mailto:jimmy.w.watts@state.or.us]
Sent: Wednesday, May 26, 2010 8:42 AM
To: Costello, Linda
Subject: RE: St. Helens Sites

Hi Linda,

USEPA SF
1373490

That map is much better. While I would like to see the area cleaned up, I can't say there is much of a consumptive fishery in the area of contamination. There is some bass and crappie fishing that takes place there during spring through early fall, but no salmon, sturgeon or walleye fishing, which are the primary consumptive fisheries in the vicinity.

Jimmy Watts
Oregon Department of Fish and Wildlife
Columbia River Management
17330 SE Evelyn St.
Clackamas, OR 97015

From: Costello, Linda [mailto:LCostello@ene.com]
Sent: Thursday, May 20, 2010 11:04 AM
To: Jimmy Watts
Subject: RE: St. Helens Sites

Hi Jimmy,

OK, this map is much better. Please take a look. We have very limited budget so I didn't have another map created for the Port of St. Helens site. I believe that map is pretty legible as it is.

Please let me know whether you can confirm fishing for consumption within the zone of actual contamination at either site. In your response, please be specific with regard to which site you're confirming fishing for. I'll need to reference your email in a deliverable to EPA.

Thanks again,

Linda Costello
Site Assessment Project Leader
Ecology and Environment, Inc.
(b) (6) [redacted]

From: Jimmy Watts [mailto:jimmy.w.watts@state.or.us]
Sent: Tuesday, May 18, 2010 4:49 PM
To: Costello, Linda
Subject: RE: St. Helens Sites

Hi Linda,

I received the maps and the Google Earth image. The detail on the maps is not very good. I can generally discern the "area of contamination" but it is certainly not the best image. The Google image is much more clear, but the "push pins" don't seem to match the area of contamination from the other maps.

Generally, the area marked by the push pins on the Google Earth image is inside Scappoose Bay, which has a minor recreational fishery for warmwater fish, primarily bass, crappie, and carp. There is likely some consumption of these fish, but very minor. The other maps show a portion of the area of contamination in the Multnomah Channel, especially the northern most point of the area where the zone forms a sort of triangle (I can't make out the numbers on the map or I would cite them). This area is heavily fished for salmon, sturgeon, and walleye with a large portion of the catch being consumed. There is also likely some warmwater fishing in that stretch.

To be fair, I would like to look at a better quality map of the zone of contamination. In the meantime I would like to circulate these pics to some of my co-workers for their input.

Thanks,
Jimmy

From: Costello, Linda [mailto:LCostello@ene.com]
Sent: Tuesday, May 18, 2010 4:22 PM
To: jimmy.w.watts@state.or.us
Subject: St. Helens Sites

Hi Jimmy,

Here is a Google Earth image that shows the locations of the two sites in question.

Linda Costello
Site Assessment Project Leader
Ecology and Environment, Inc.
(b) (6)

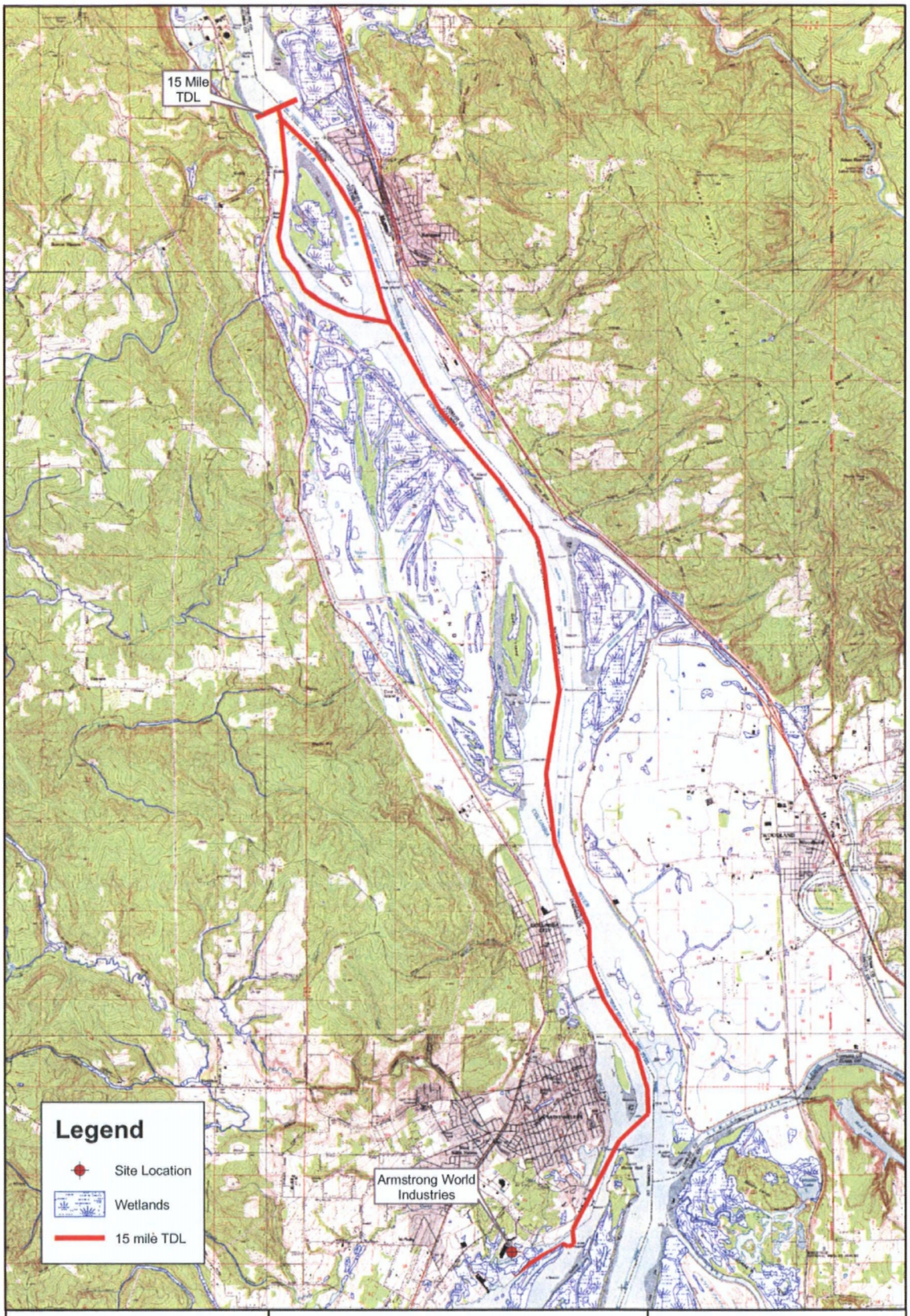
ecology and environment, inc.
International Specialists in the Environment
Seattle, Washington

0 465 930
Approximate Scale in Feet

ARMSTRONG WORLD INDUSTRIES
St. Helens, Oregon

Figure 1
ZONE OF ACTUAL CONTAMINATION

Date:	Drawn by:	
5/20/10	AES	10:START-3\10030008\fig 1



N
W E
S

0 0.5 1 2 Miles

ecology and environment, inc.
International Specialists in the Environment
Seattle, Washington

Figure 1

ARMSTRONG WORLD INDUSTRIES SITE

St. Helens, Oregon

TARGET DISTANCE LIMIT (TDL) MAP

TDD Number:
10-03-0008

Map Reference:
USGS Topographical Maps 1:100,000

Date:
April 89 2010

Drawn by:
amm

:3START3\Armstrong World Industries\GIS\fig tdl.mxd

ARMSTRONG WORLD INDUSTRIES
Maximum Concentrations Detected

	PCP (ug/L)	Arsenic (mg/kg)	Barium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)	2,3,7,8-TCDD (ng/kg)
Maximum background concentrations (soil)		11.1	394	25.3	15.6	92.9 U	None Available
Former Outfall 001 (effluent)	1.126						
Former Outfall 001 (soil at 0.5 foot bgs)		1,080	--	169	164	343	
Former Outfall 002/Current Outfall 3 (soil at 1 foot bgs)		903	--	237	259	954	
Former Outfall 004/Current Outfall 2 (soil at 0.5 foot bgs)		119	--	--	130	637	
Former Outfall 004/Current Outfall 2 (soil at 0.5 foot bgs; 20 feet from outfall)		445	3,130	241	474	2,430	
Current Outfall 1 (soil at 0.5 foot bgs ~ 50 feet from outfall at OF1-6)		1,610	--	253	160	211	
Current Outfall 3 (soil at 0.5 foot bgs OF3-1)		903	--	237	259	954	
Former Aeration Lagoon (soil)		383	--	324	117	600	64
Former Sludge Holding Pond (soil)		386	--	--	--	180	6.9
Wetlands (soil)		2,530 (one sample, SEA-1, possibly in the wetland had 4,700 As)	--	122	--	199	

ARMSTRONG WORLD INDUSTRIES
Maximum Concentrations Detected

	PCP (ug/L)	Arsenic (mg/kg)	Barium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)	2,3,7,8-TCDD (ng/kg)
Maximum background concentration (sediment)		11.3				130	0.65
Habitat Known to be Used by Several Federal-Threatened Species (sediment)		341	--	--	--	400	4.51

-- Indicates that the concentration of the analyte at this location does not exceed background concentrations.

bgs – below ground surface.
mg/kg – milligrams per kilogram.
ng/kg – nanograms per kilogram.
U – The analyte was not detected above the reported concentration.
ug/L – micrograms per liter.