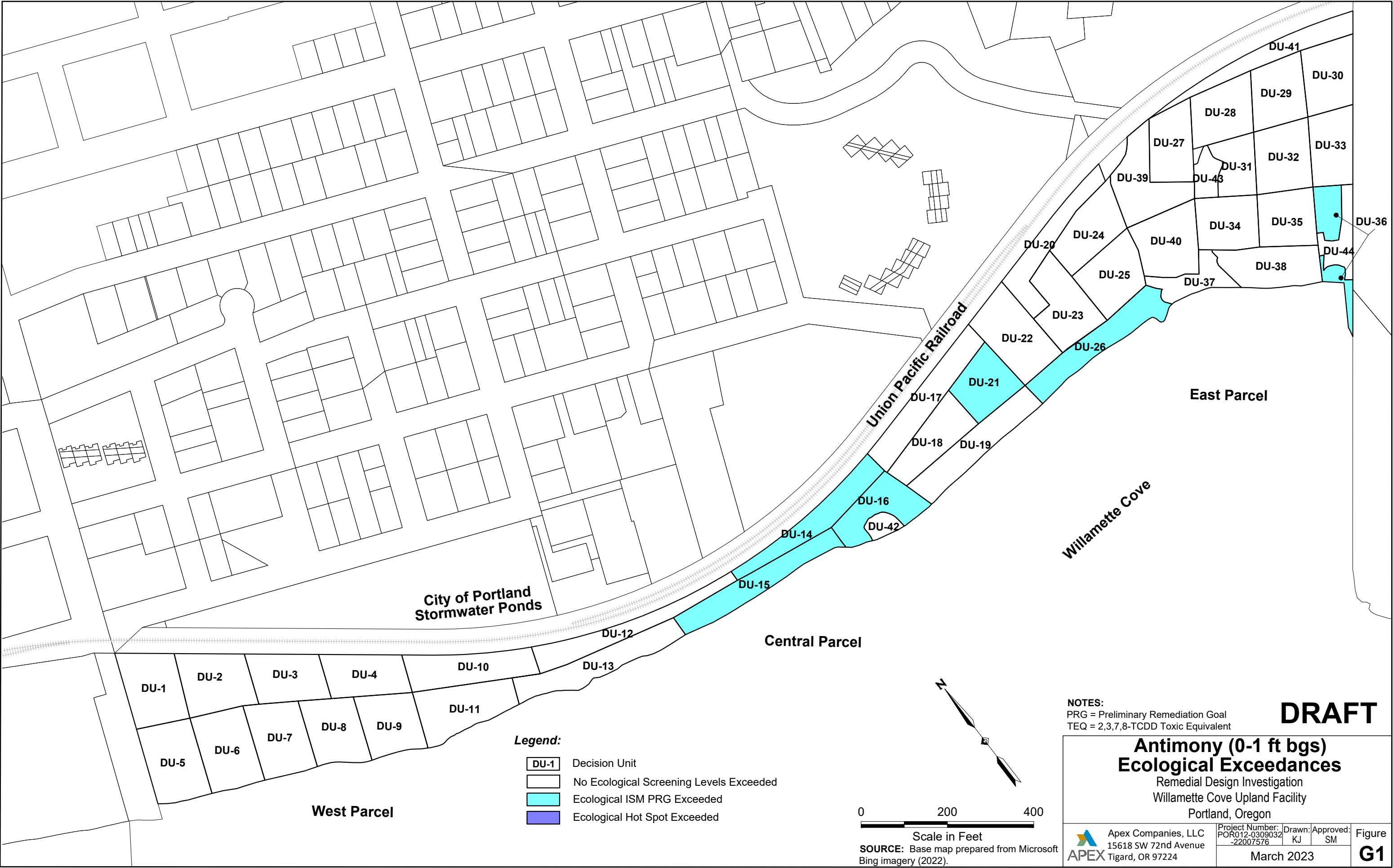


## ***Appendix G***

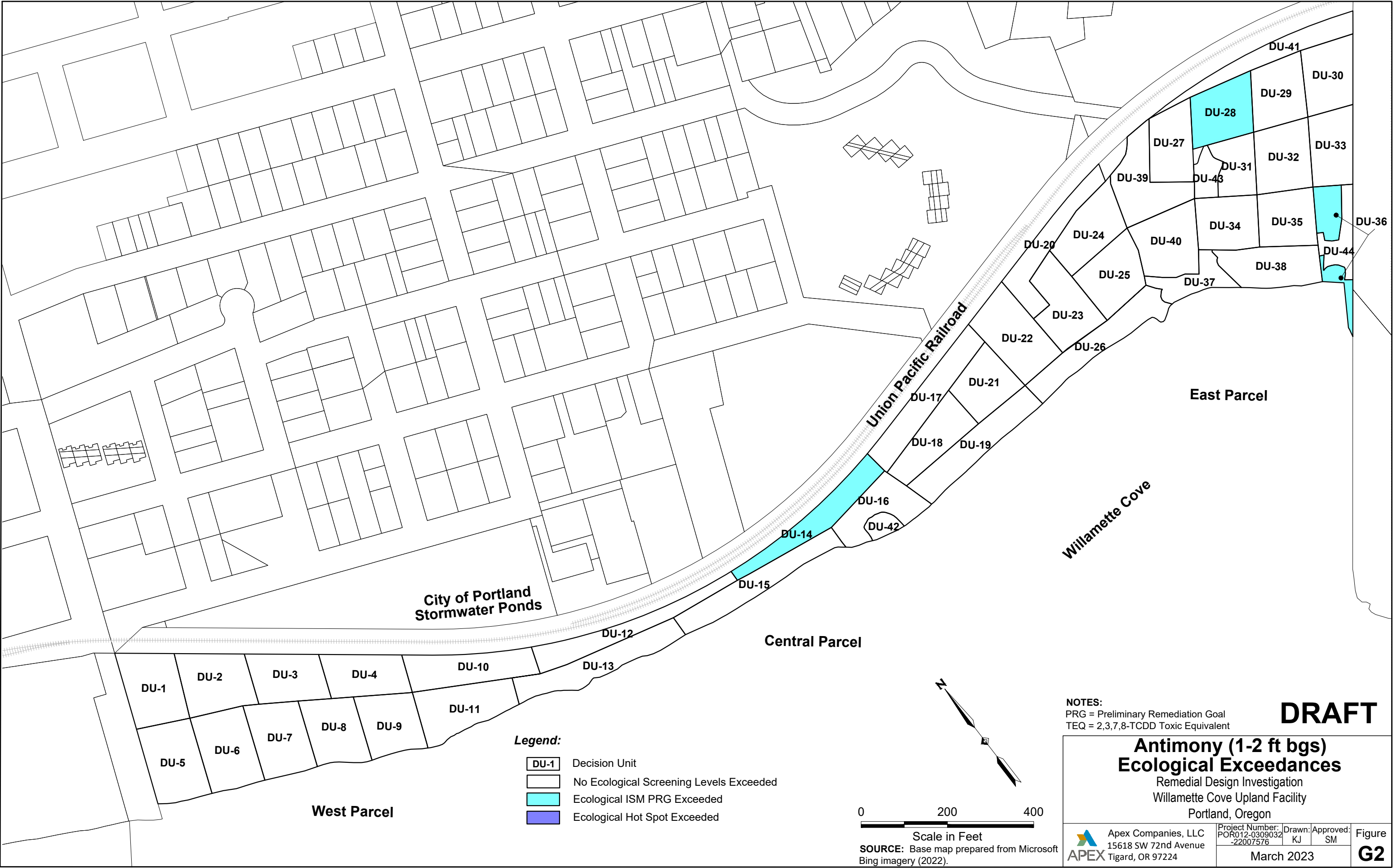
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### **Risk Screening Figures**

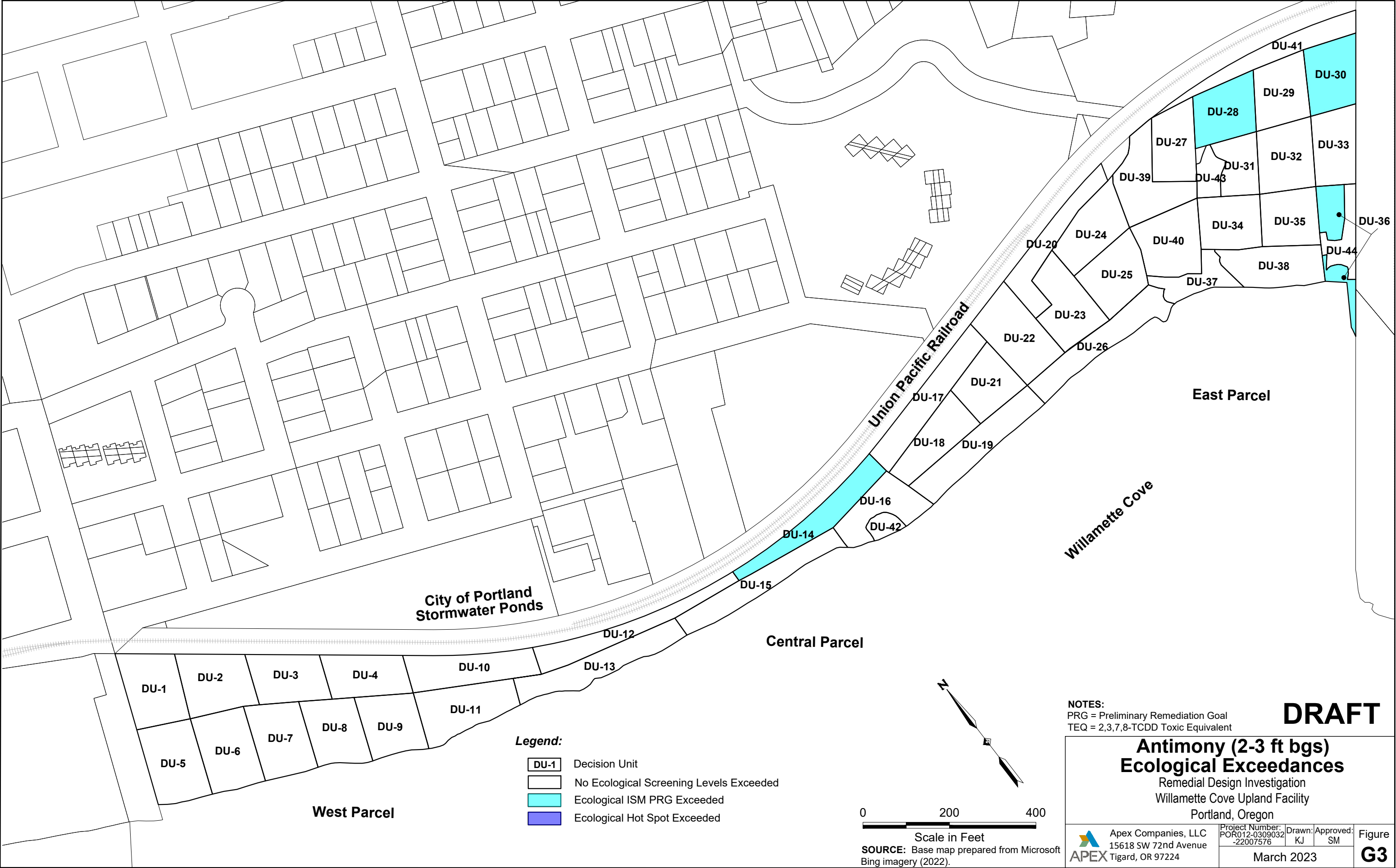
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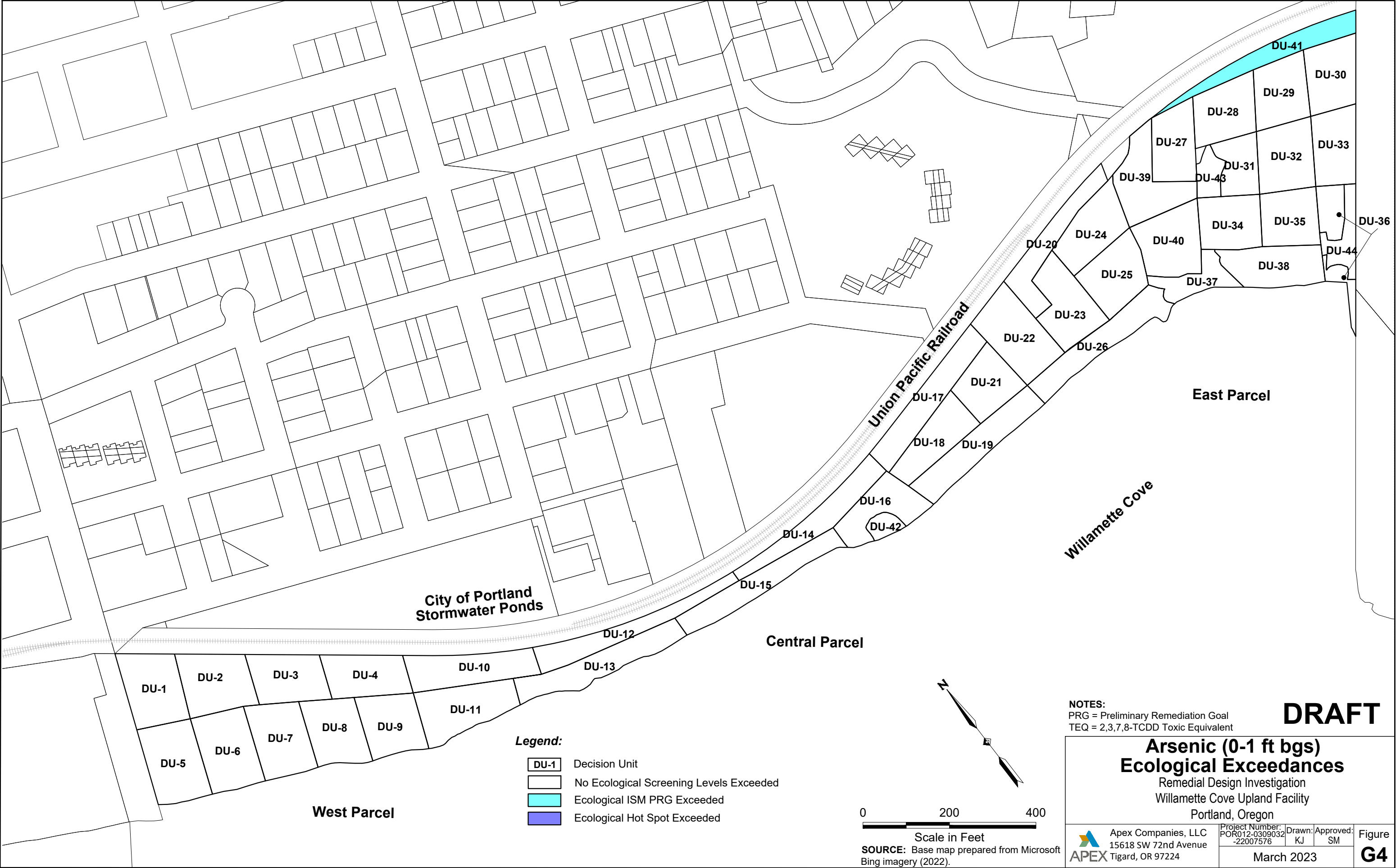


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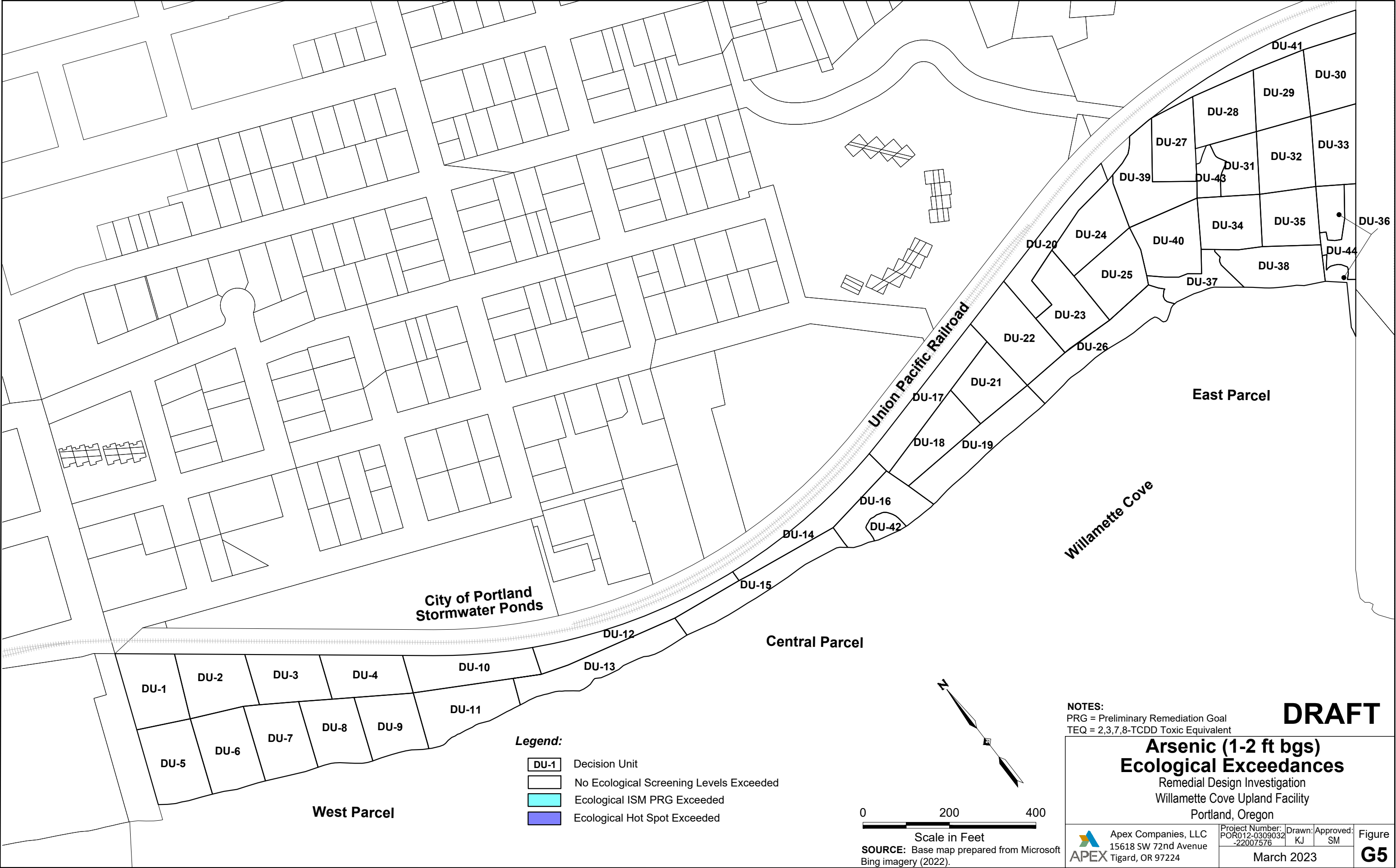




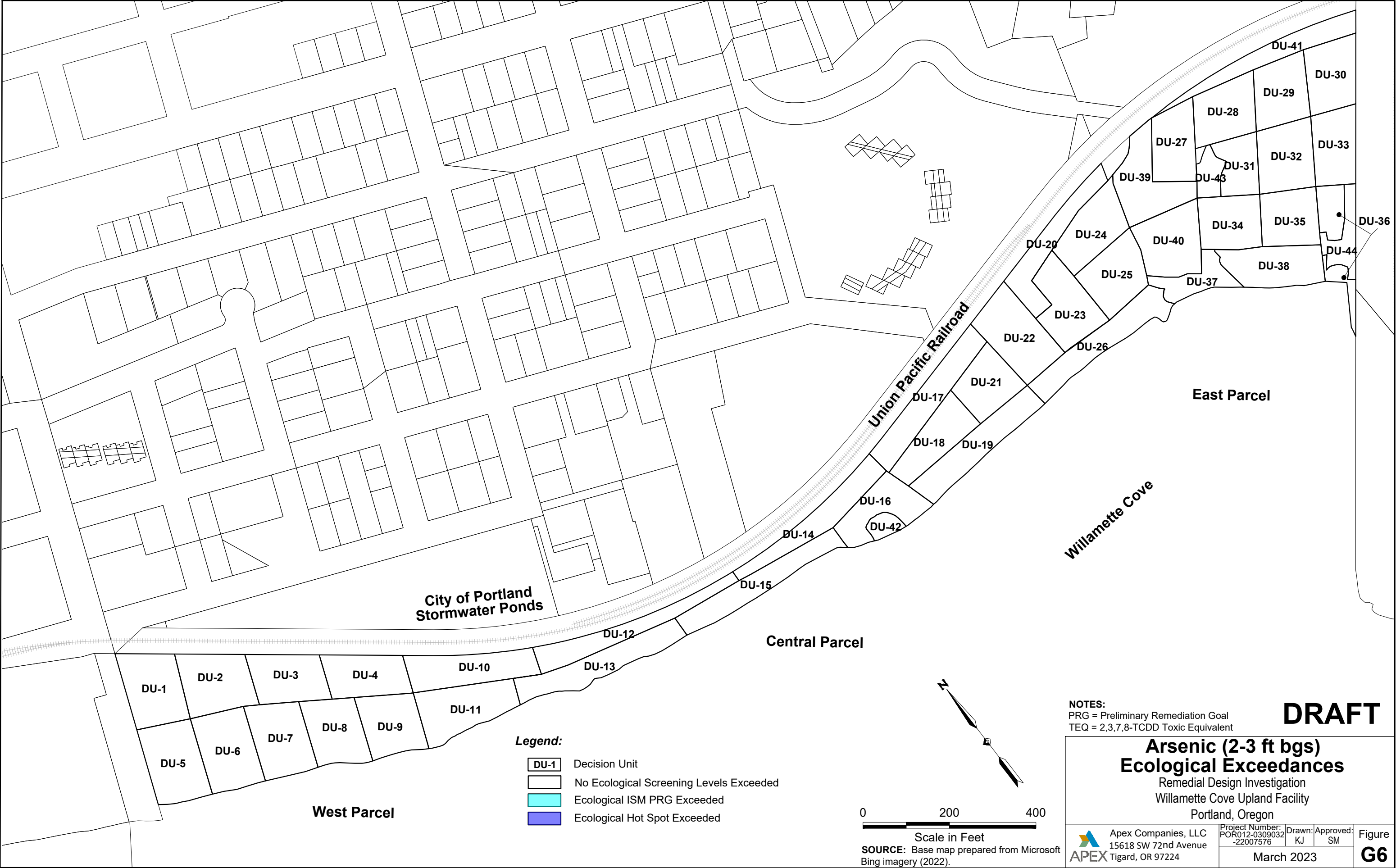
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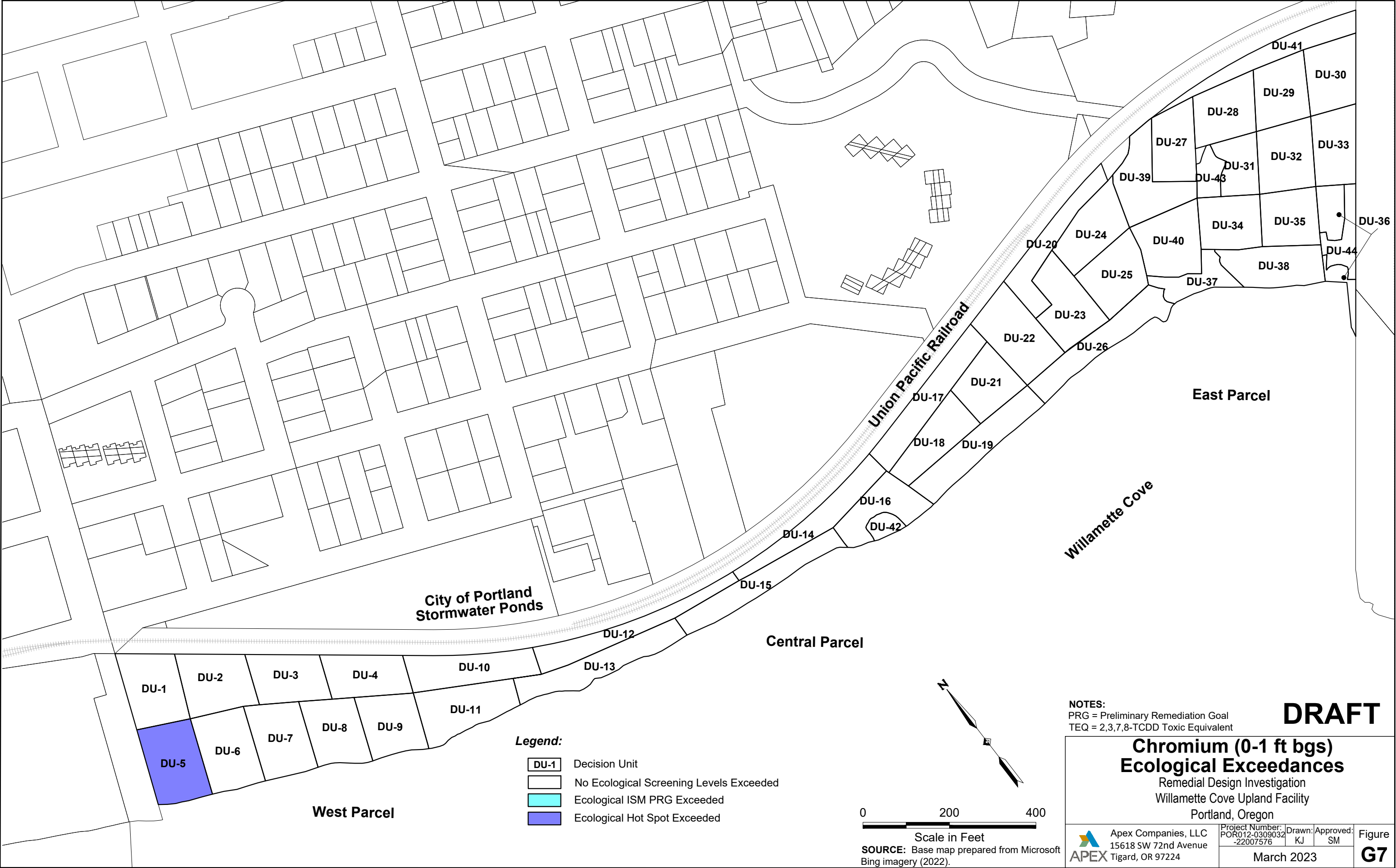


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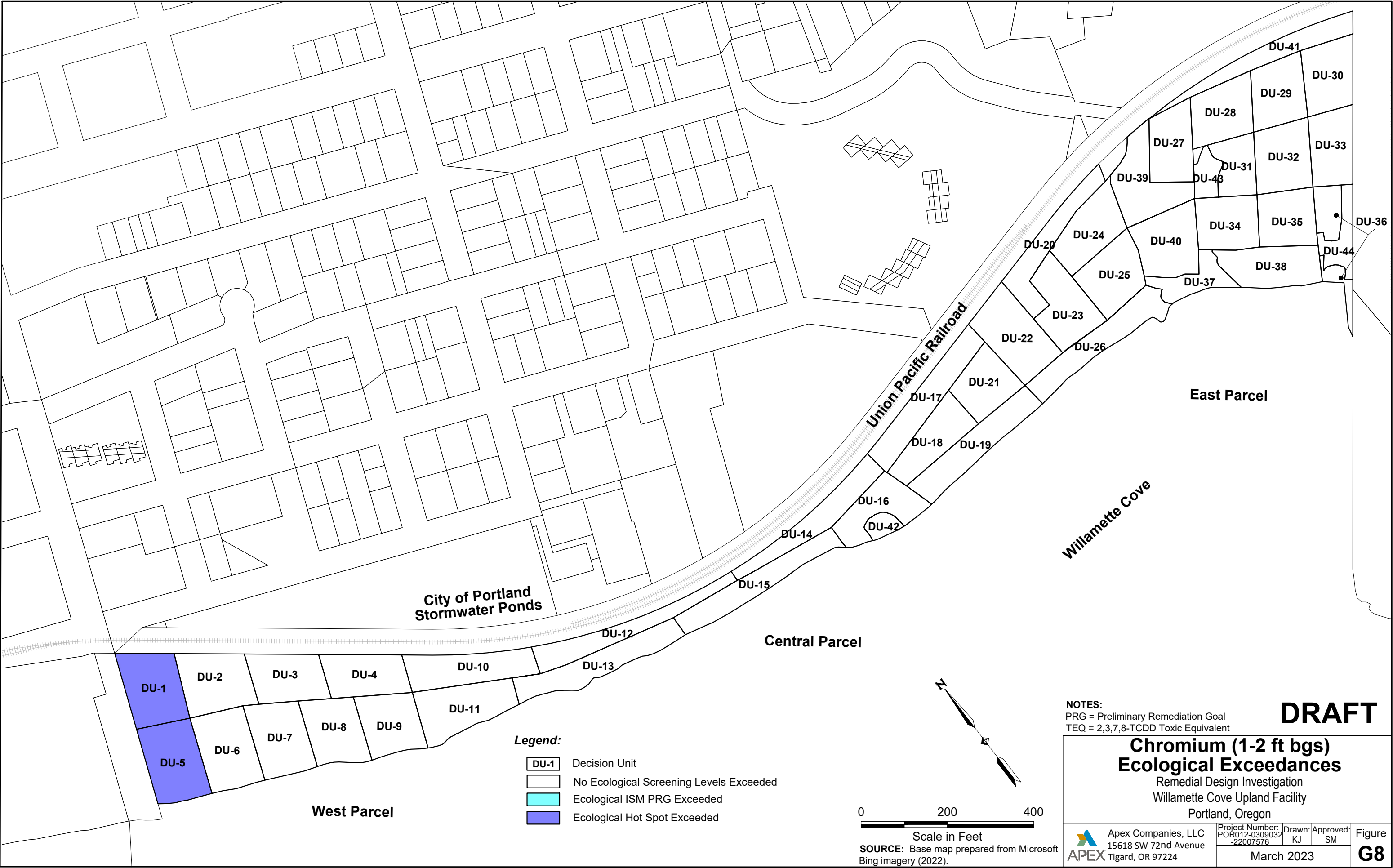


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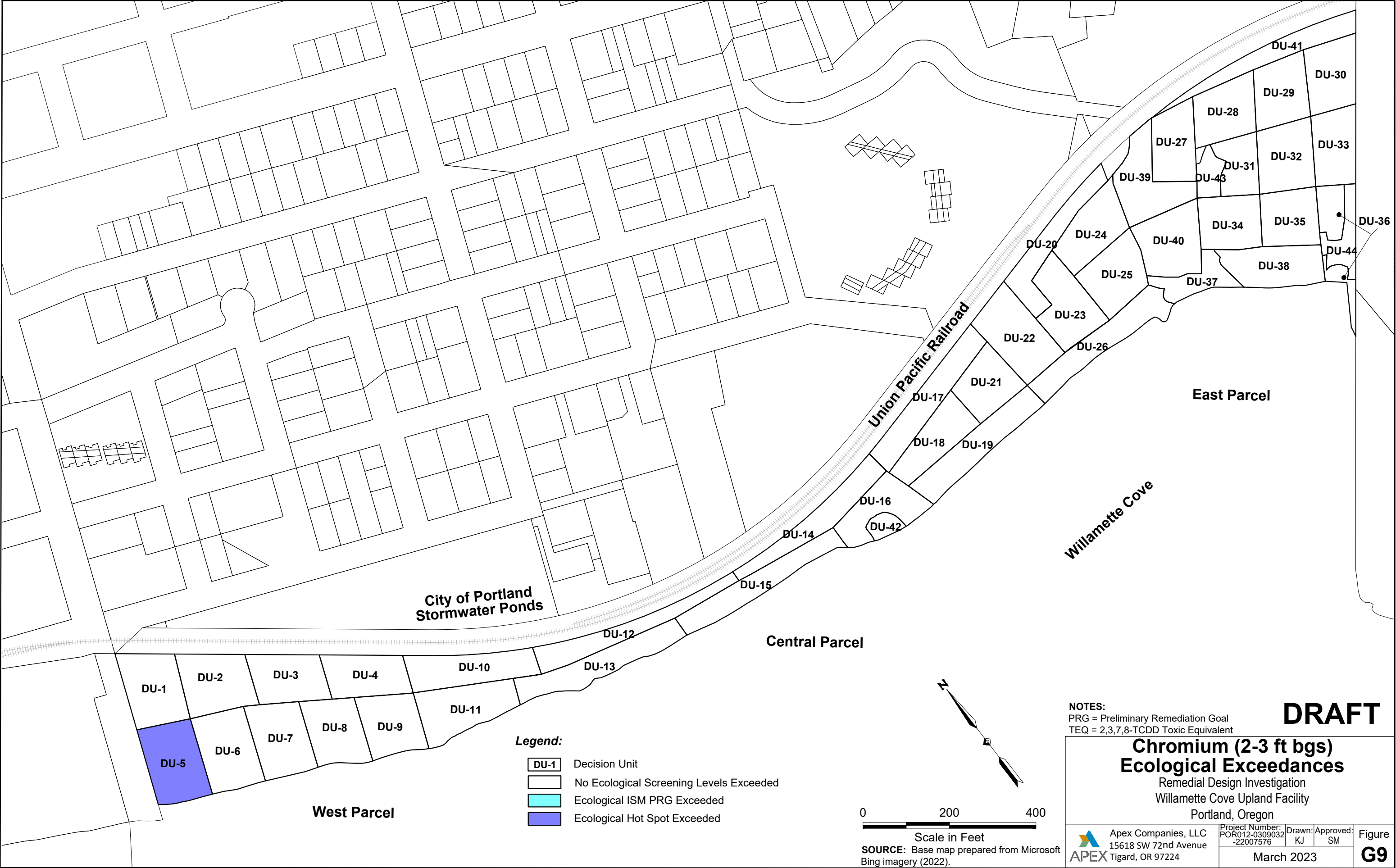




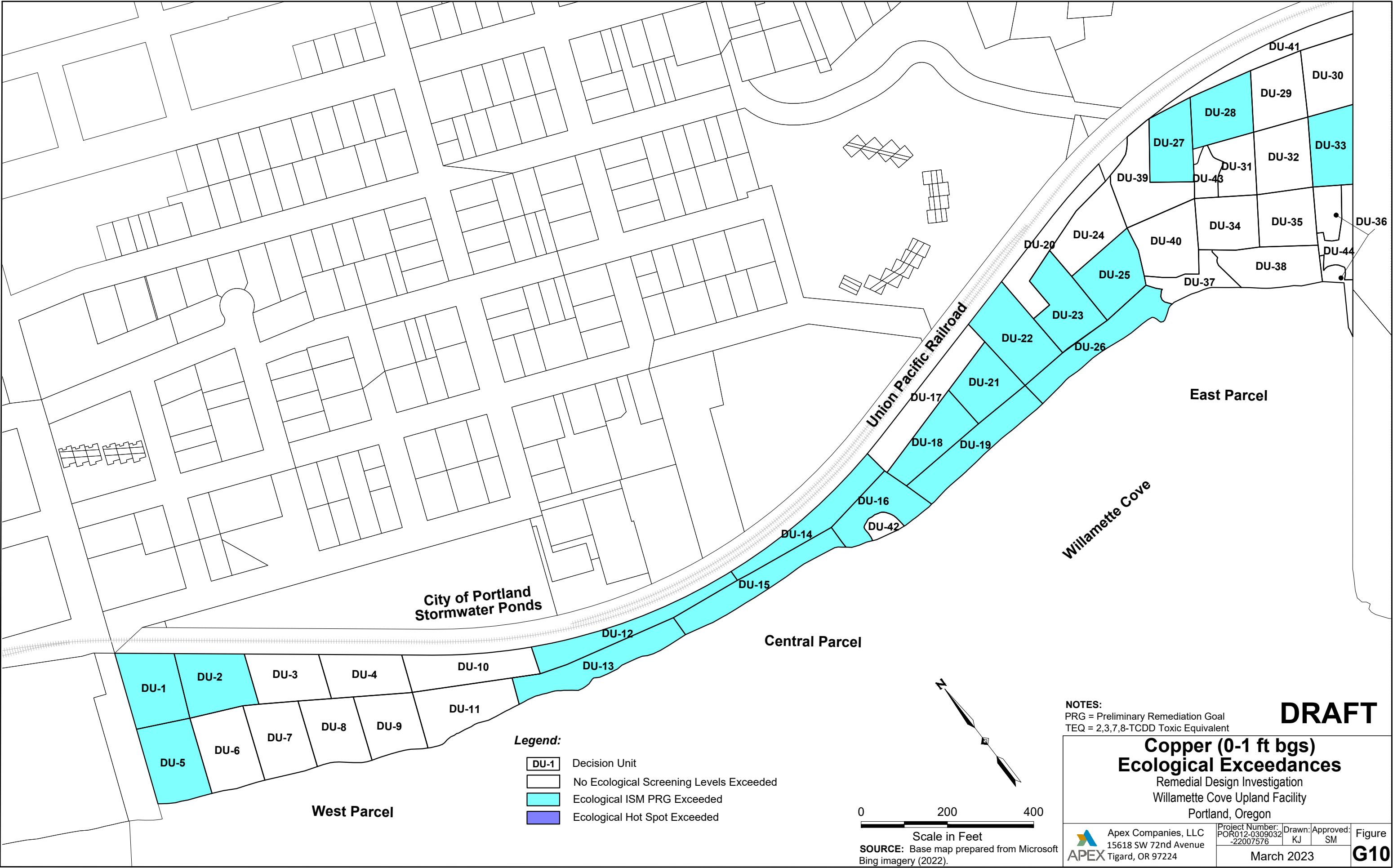
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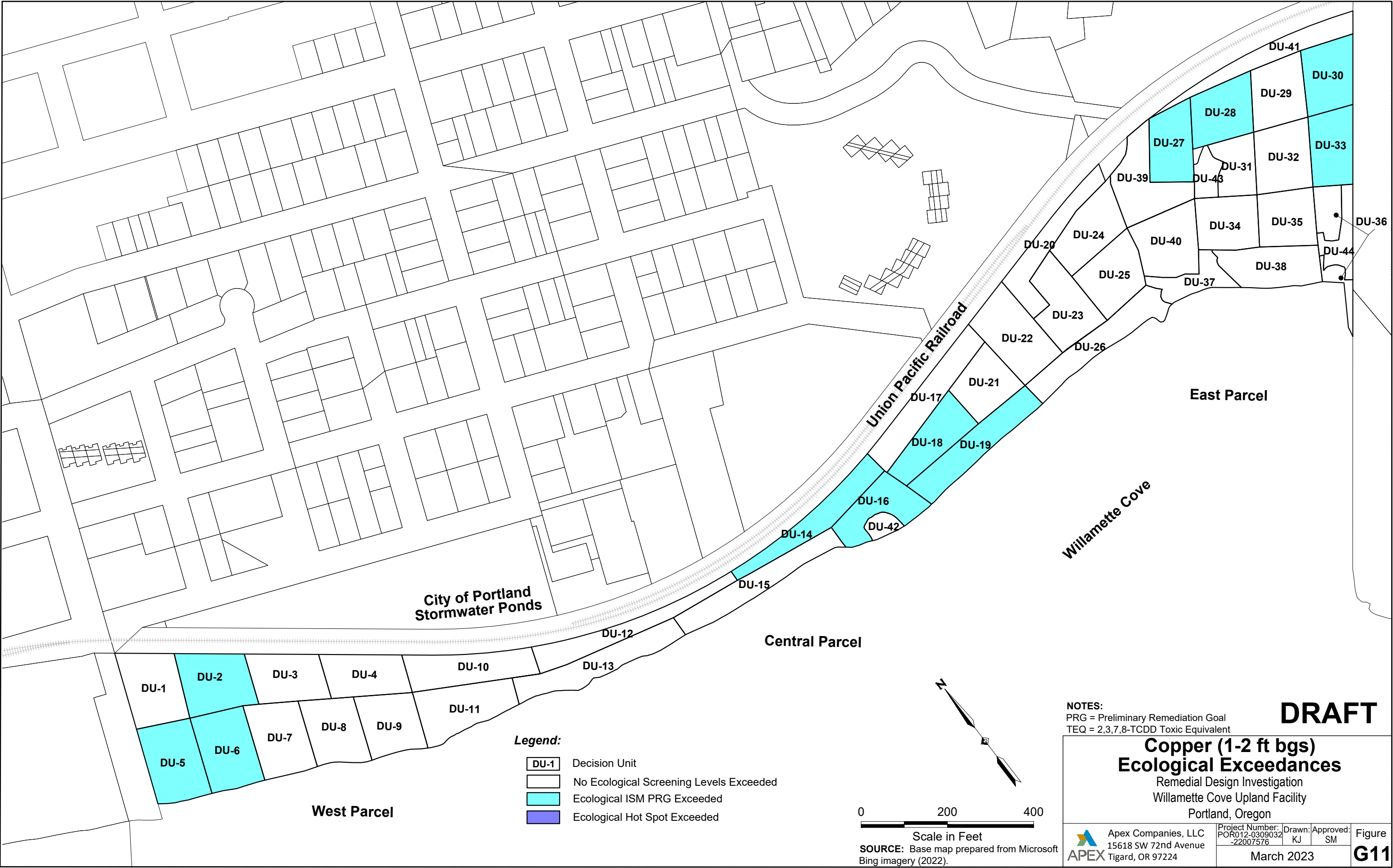


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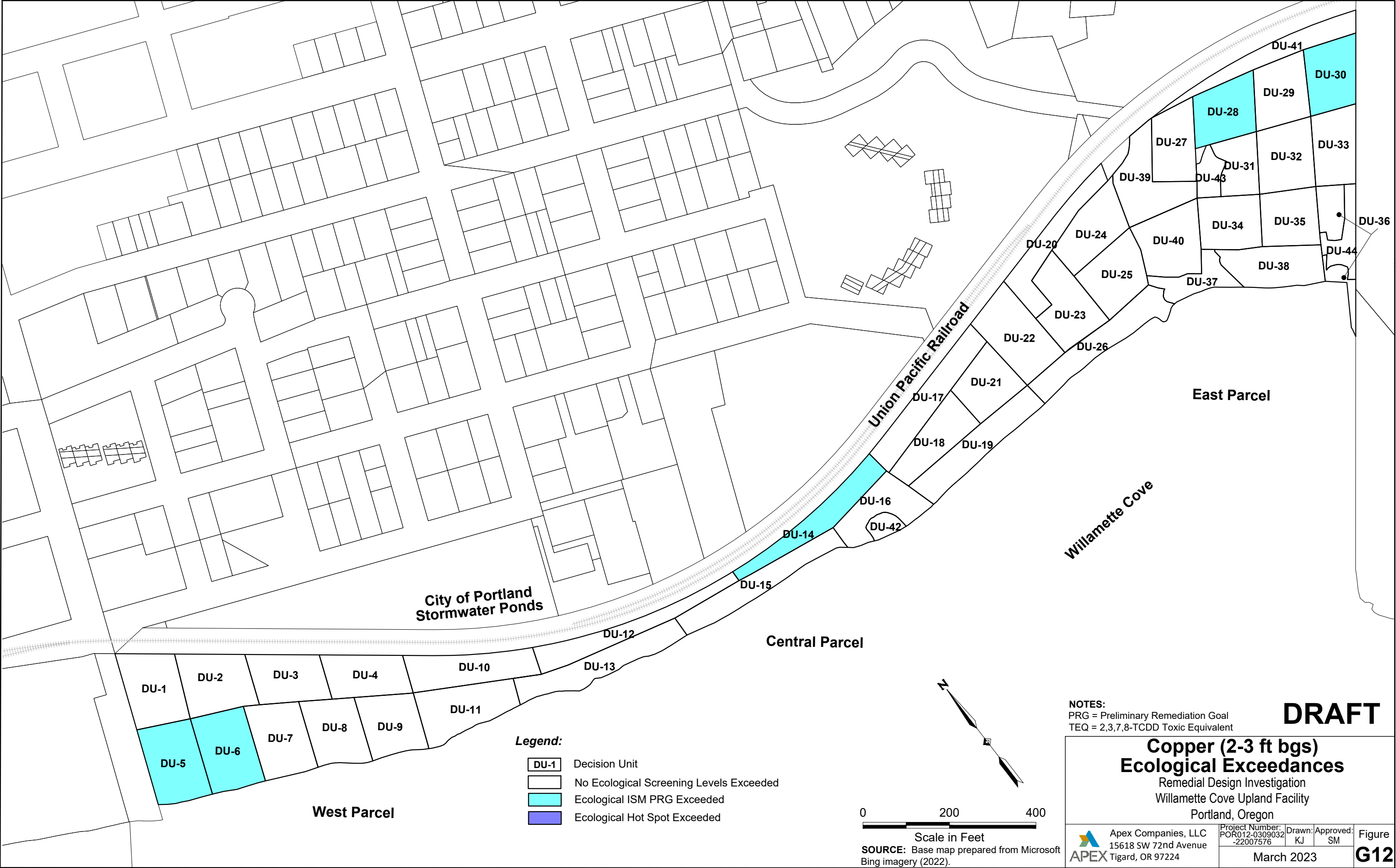


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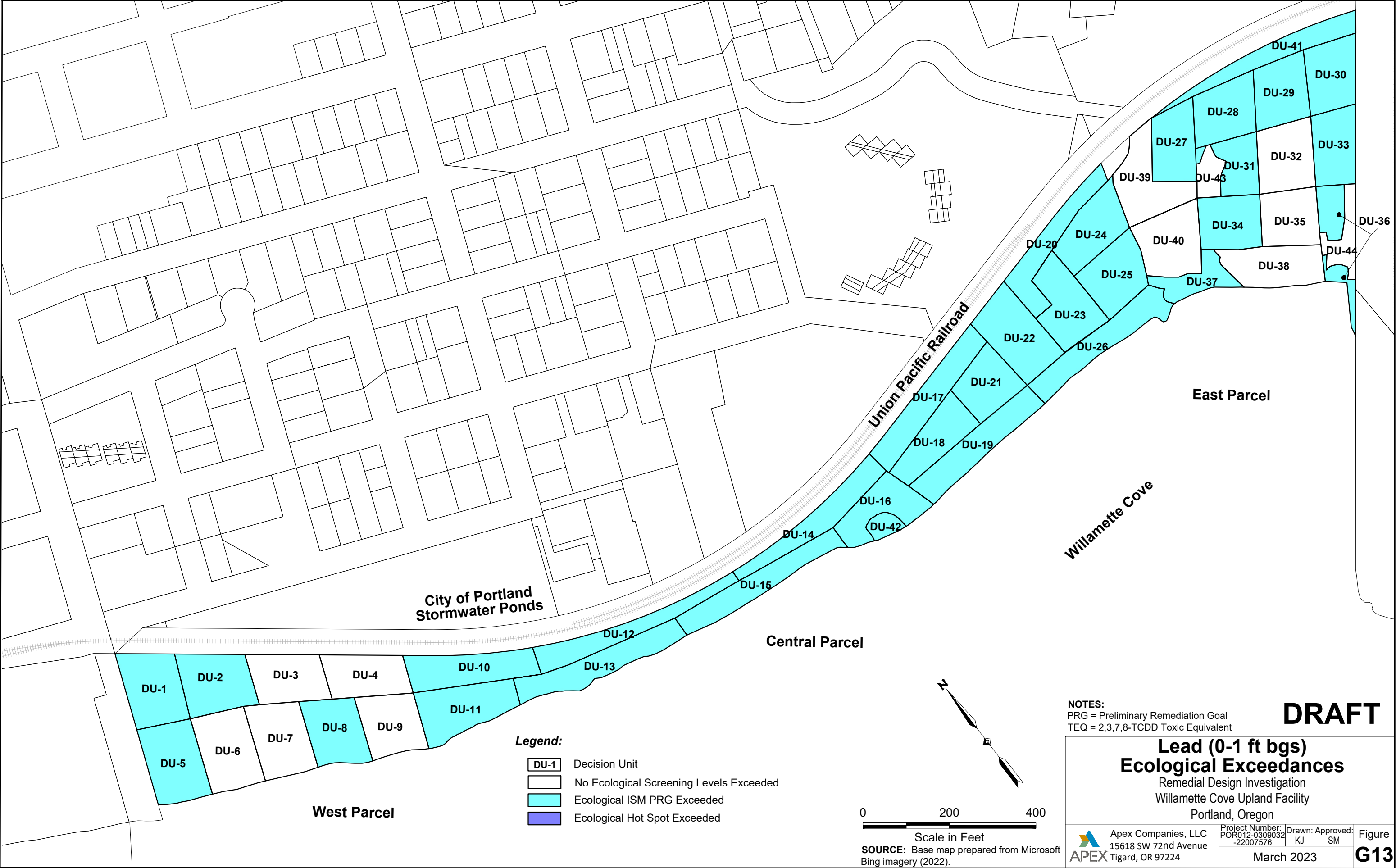




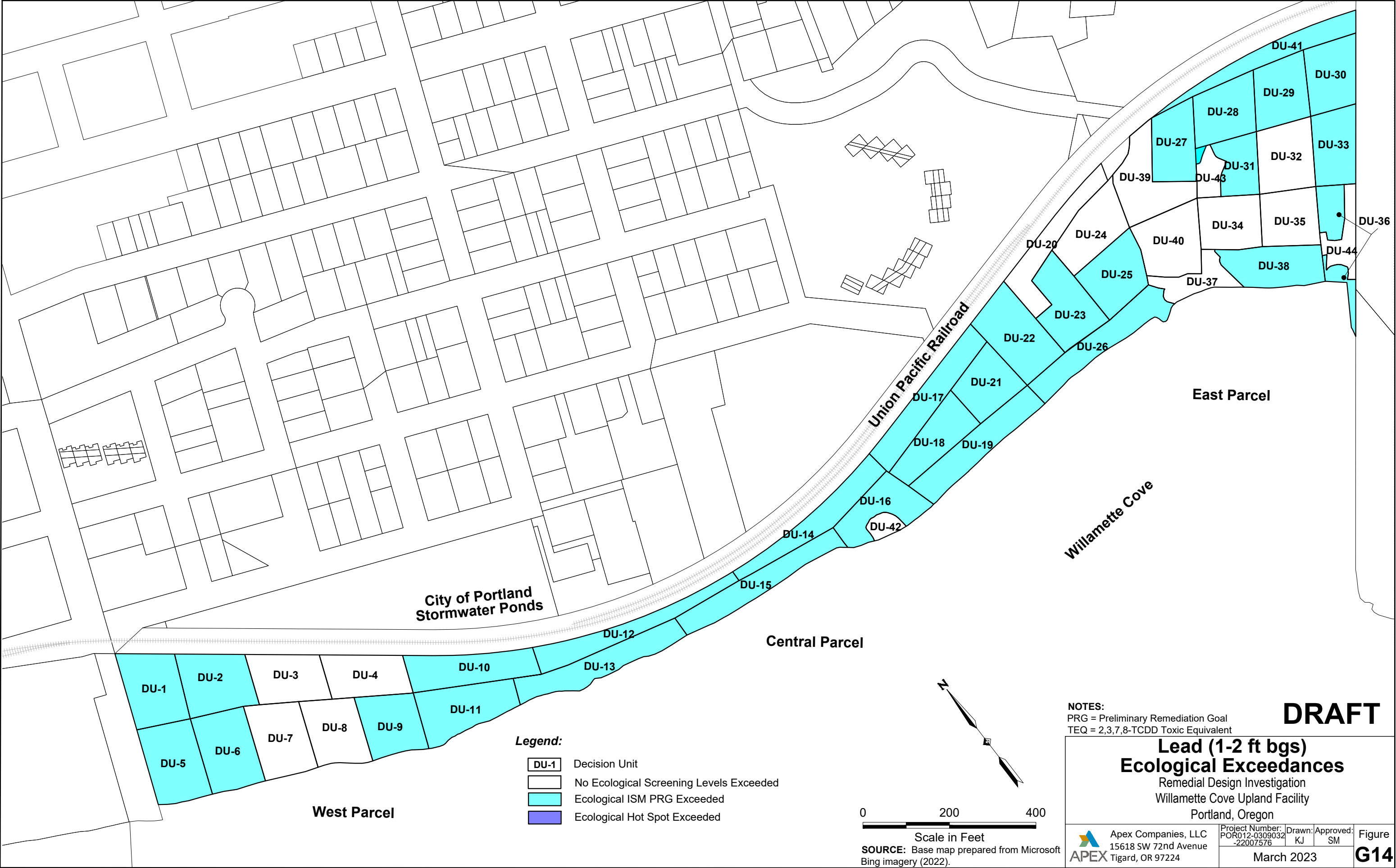
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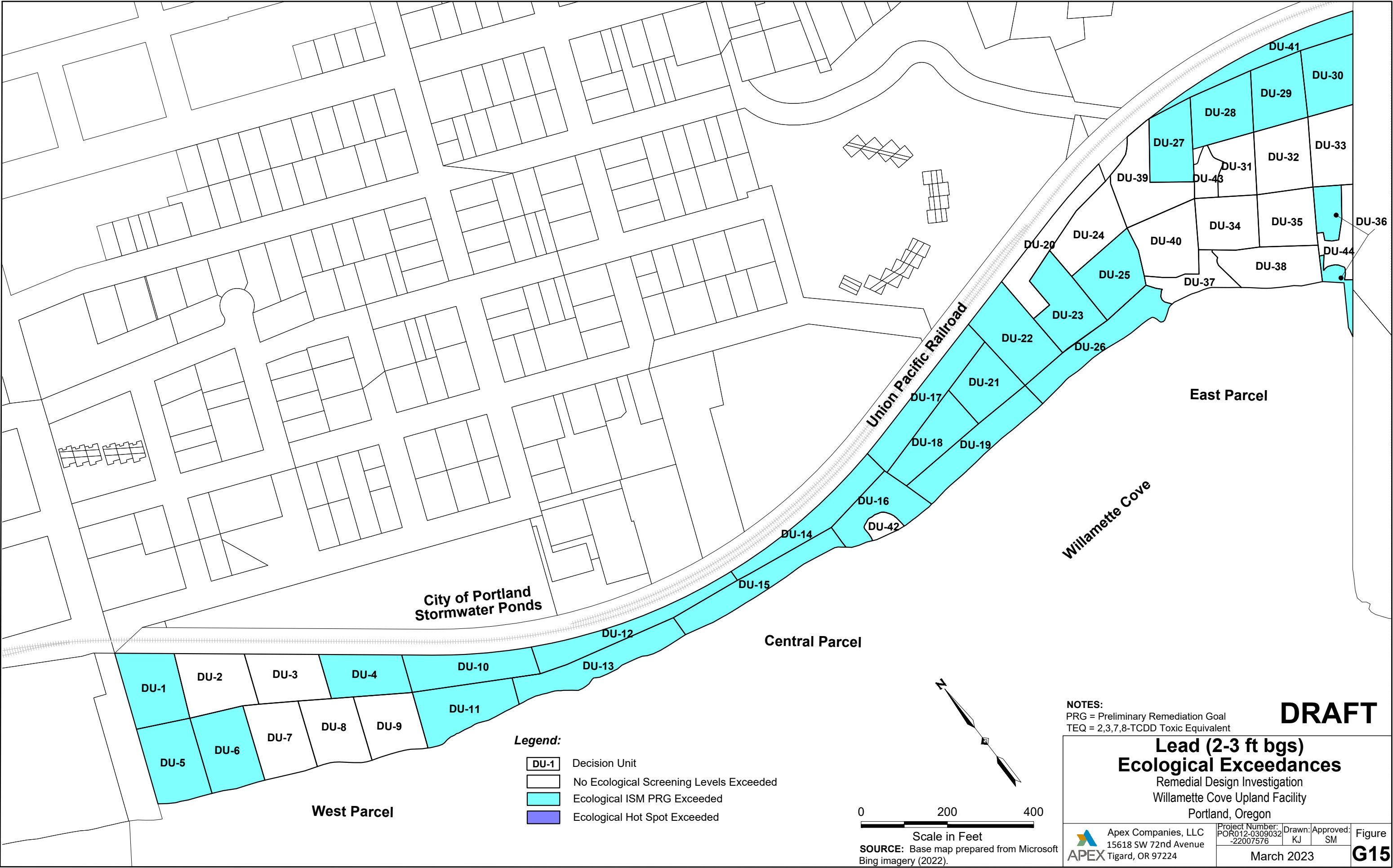


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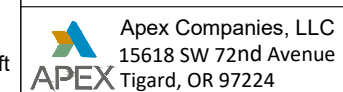


**NOTES:**  
PRG = Preliminary Remediation Goal  
TEQ = 2,3,7,8-TCDD Toxic Equivalent

**DRAFT**

### Mercury (0-1 ft bgs) Ecological Exceedances

Remedial Design Investigation  
Willamette Cove Upland Facility  
Portland, Oregon



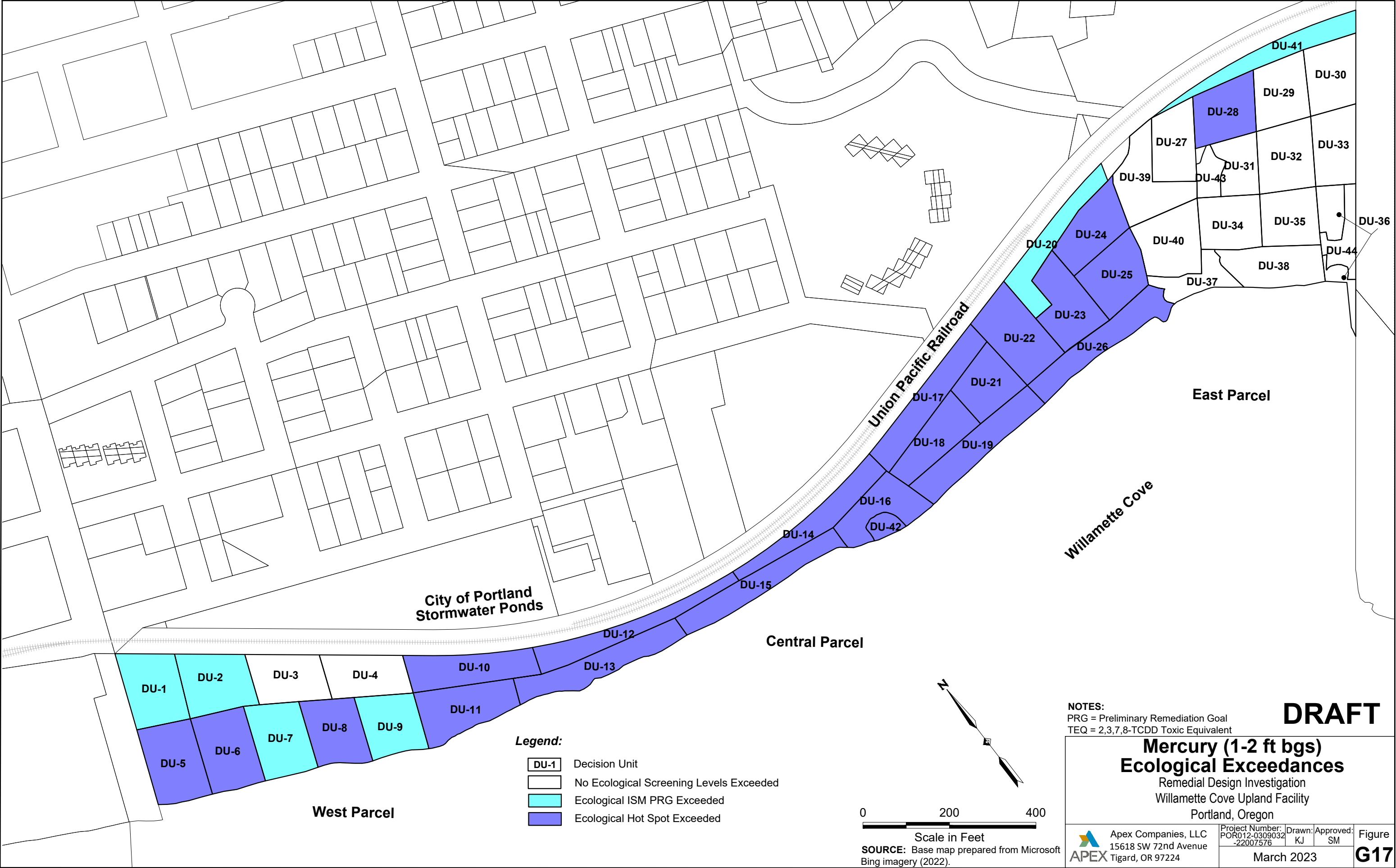
Project Number: POR012-0309032 -22007576	Dr
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March 2023

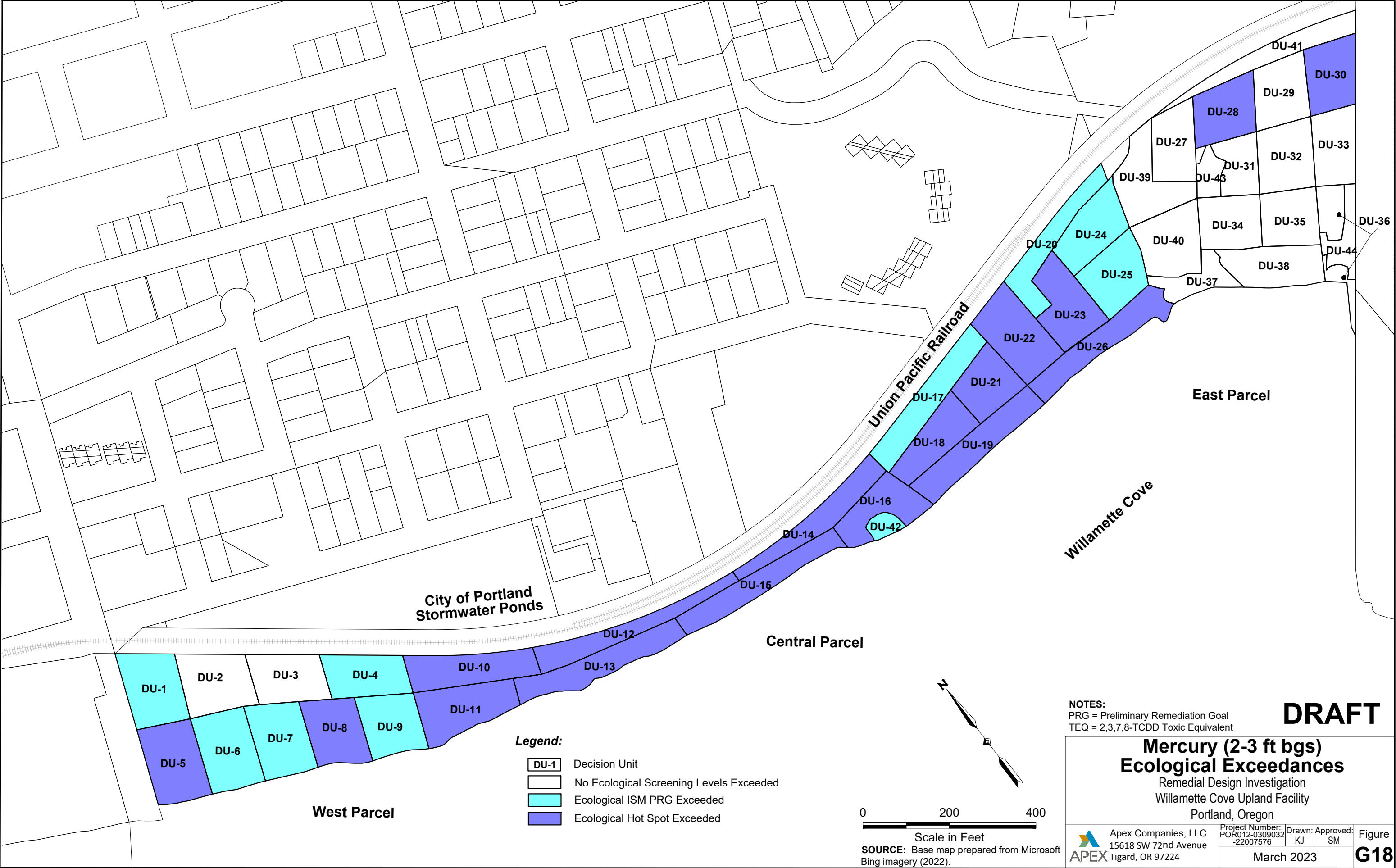
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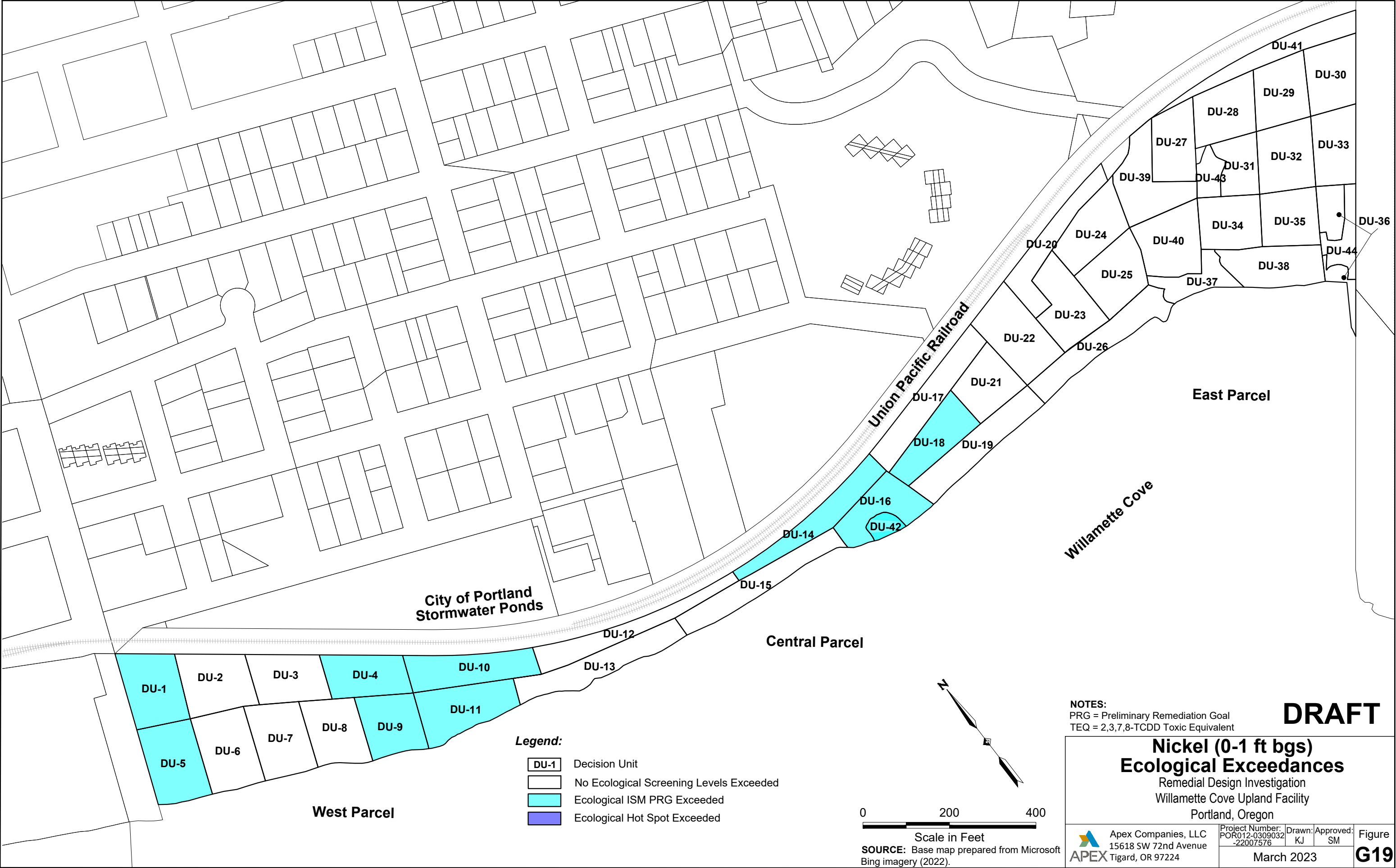


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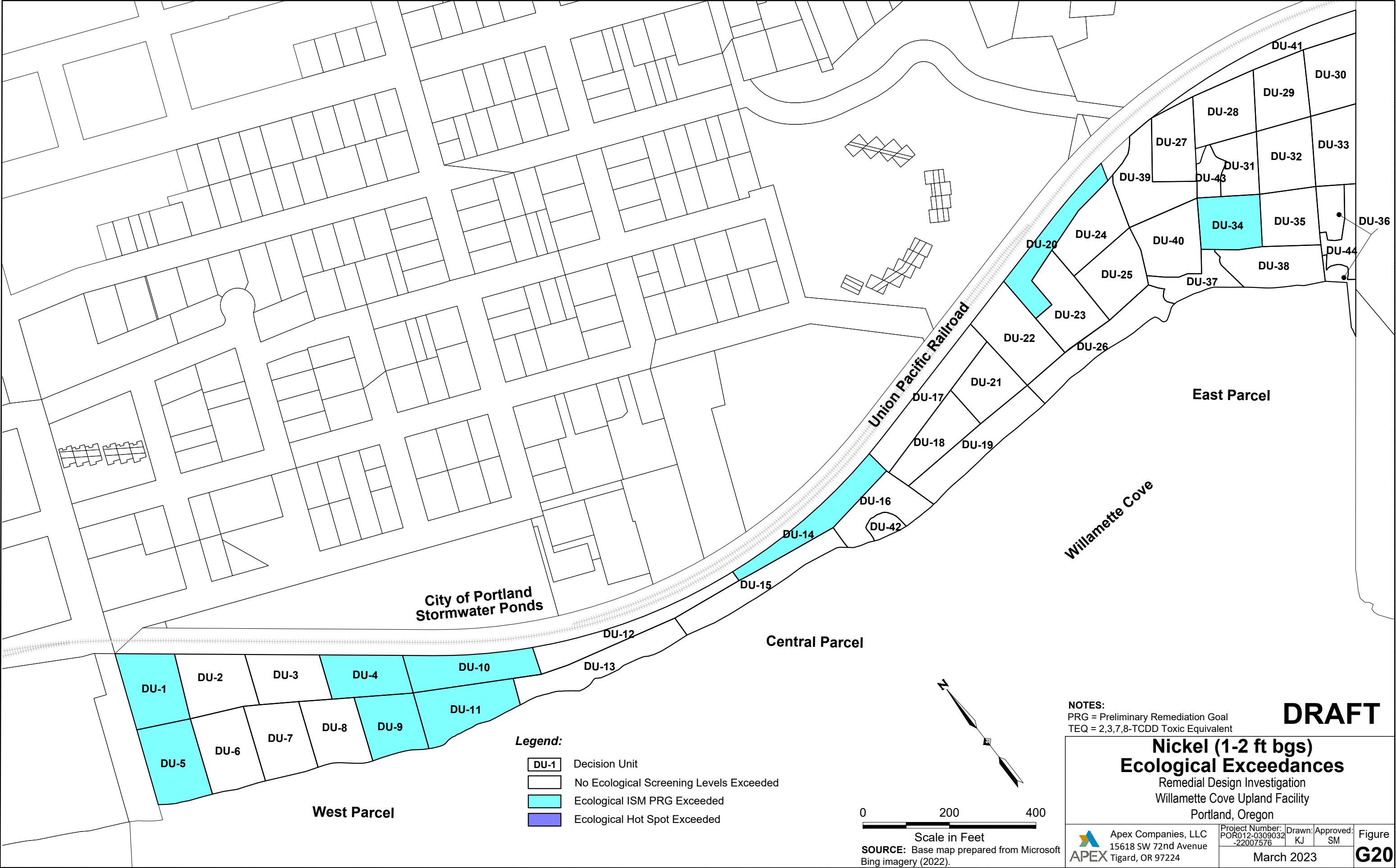


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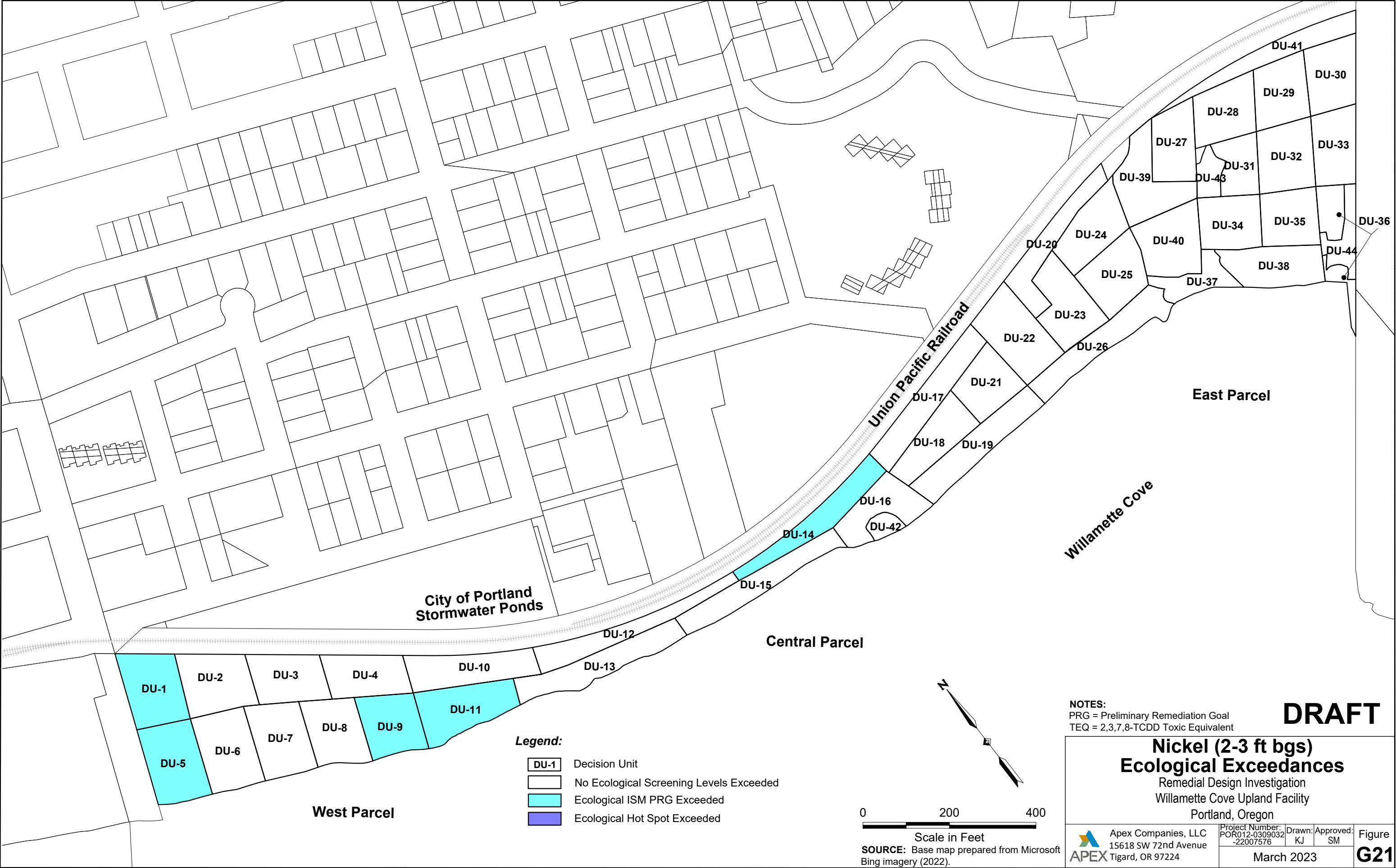




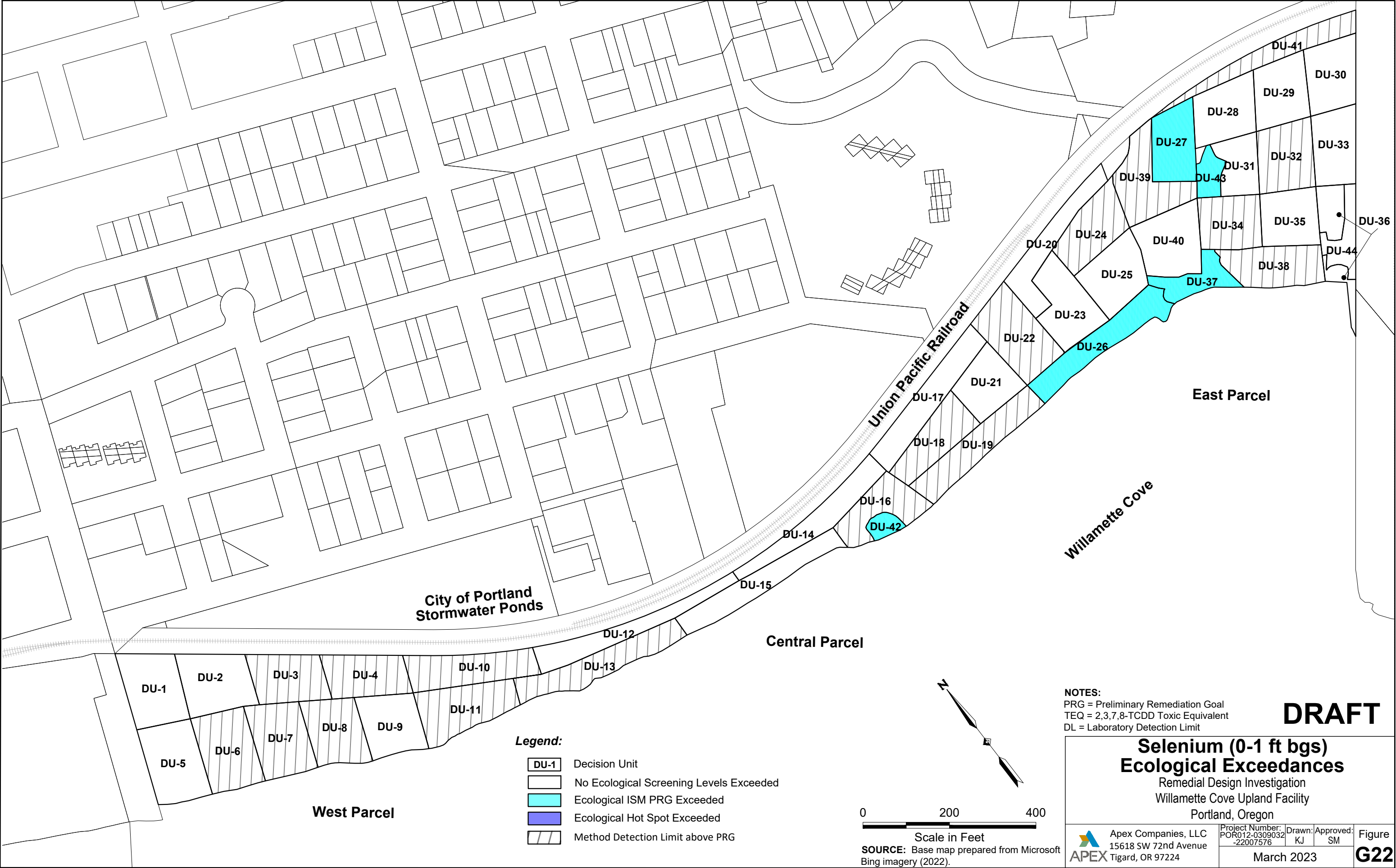
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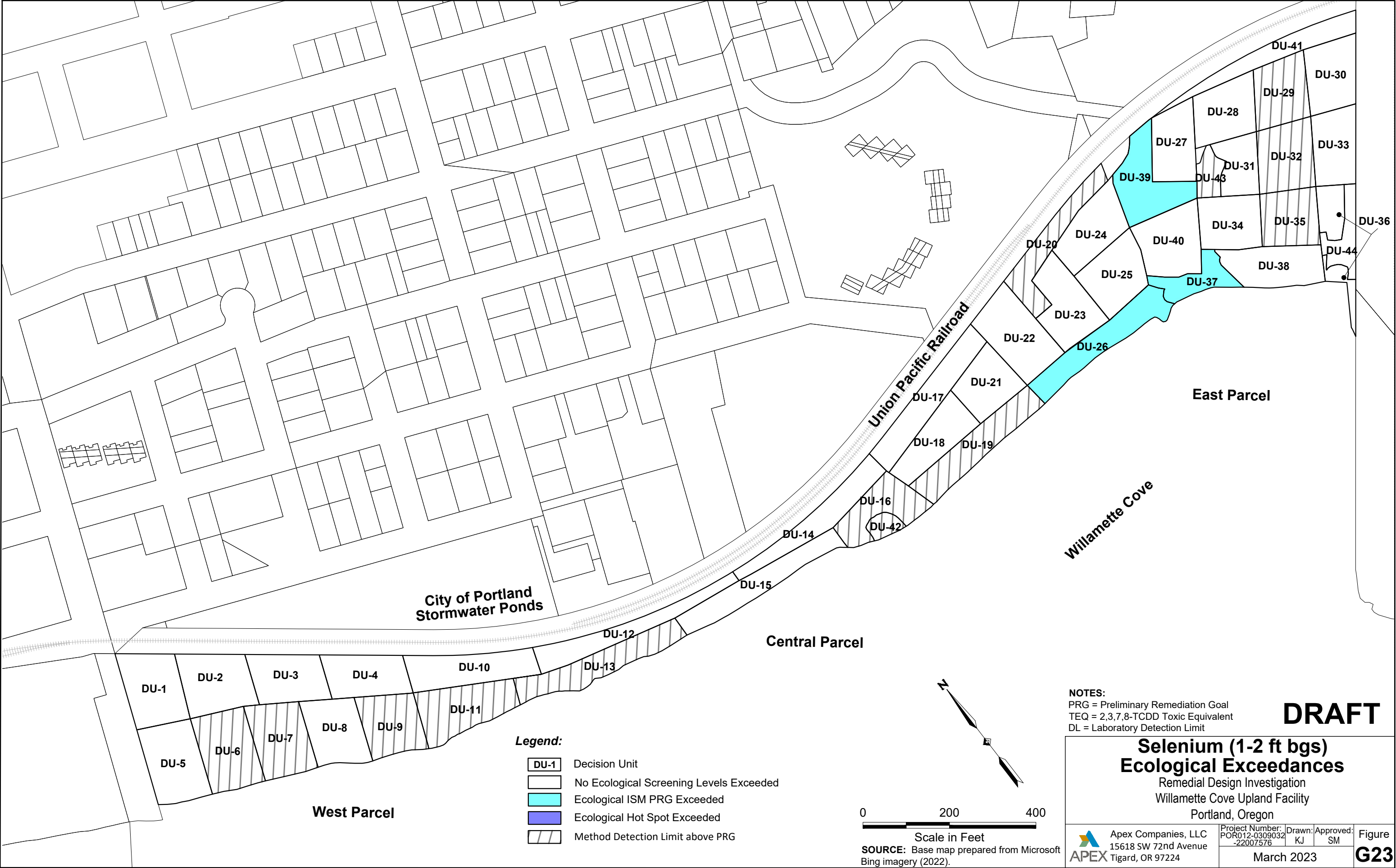


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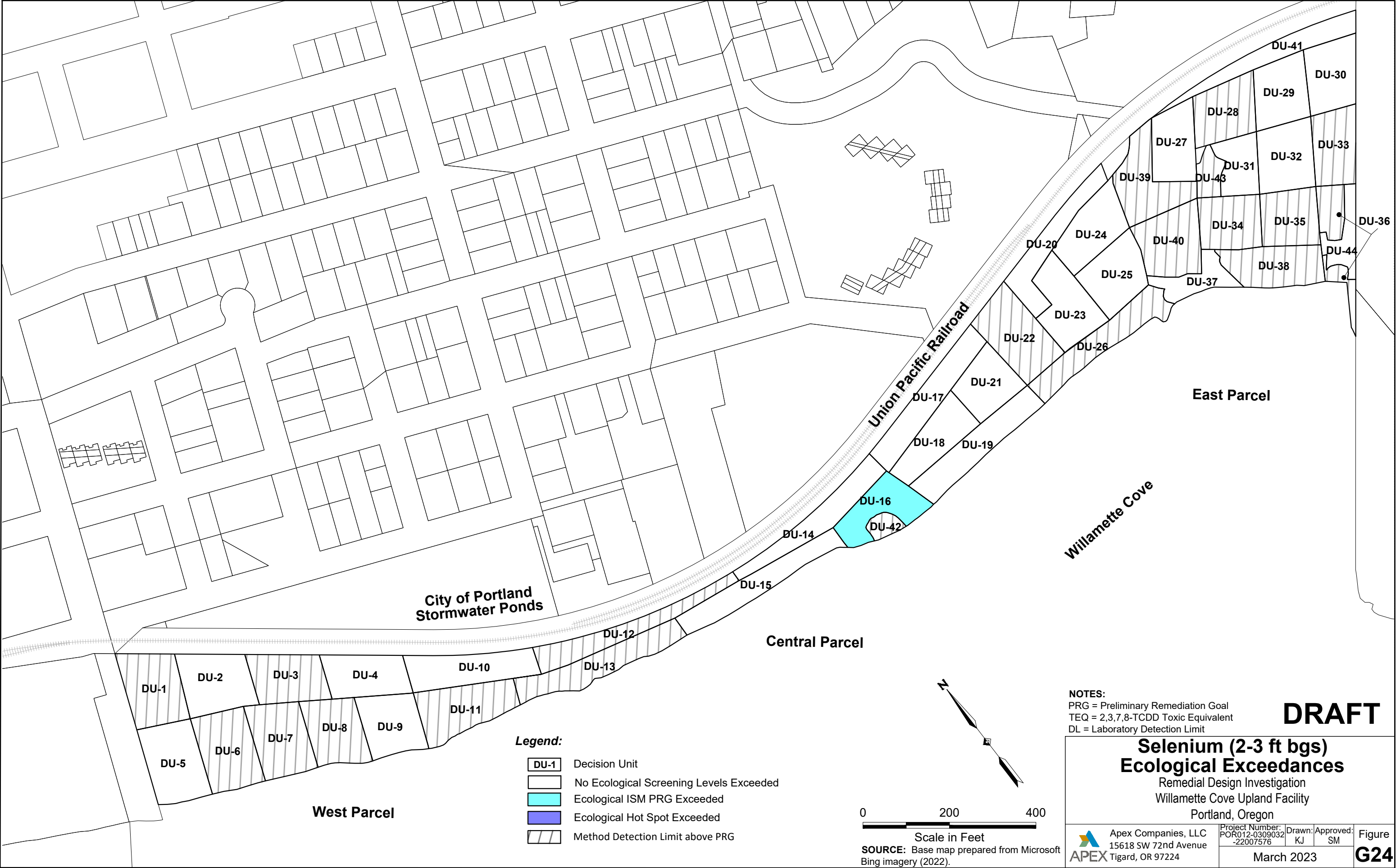


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**NOTES:**  
PRG = Preliminary Remediation Goal  
TEQ = 2,3,7,8-TCDD Toxic Equivalent

**DRAFT**

### Zinc (0-1 ft bgs) Ecological Exceedances

Remedial Design Investigation  
Willamette Cove Upland Facility  
Portland, Oregon



Apex Companies, LLC  
15618 SW 72nd Avenue  
Tigard, OR 97224

Project Number:  
POR012-0309032  
-22007576

Drawn  
KJ

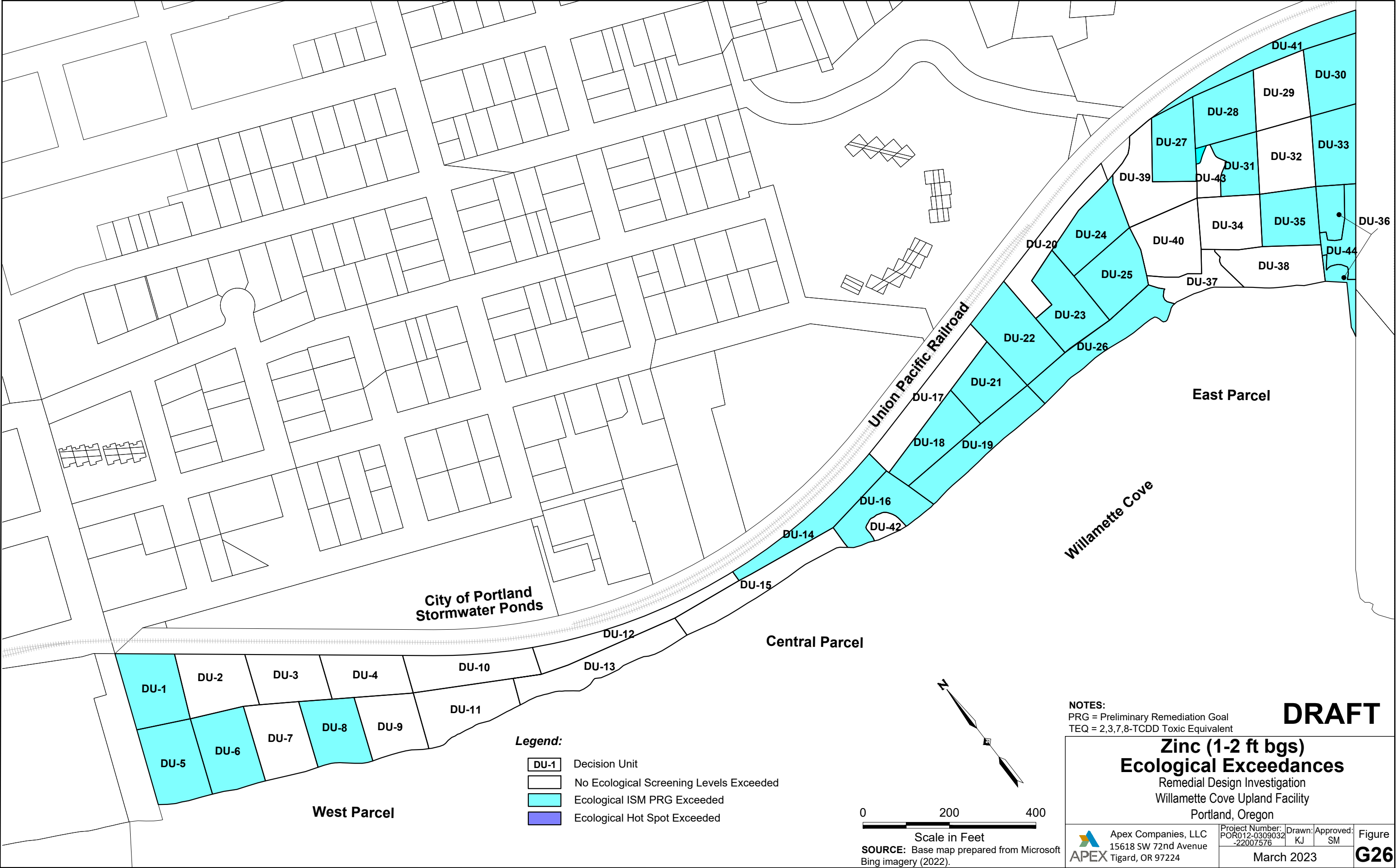
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March 2023

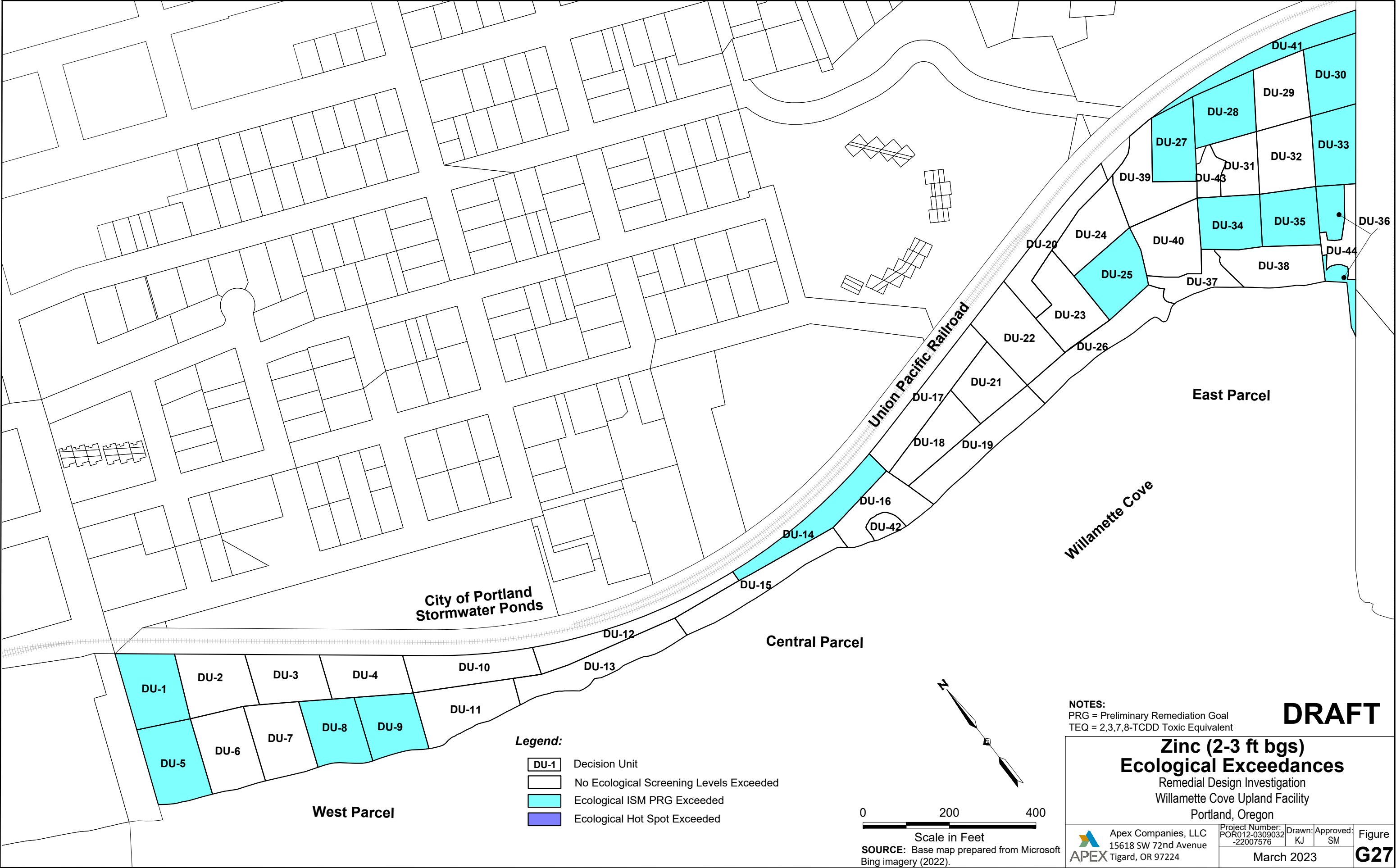
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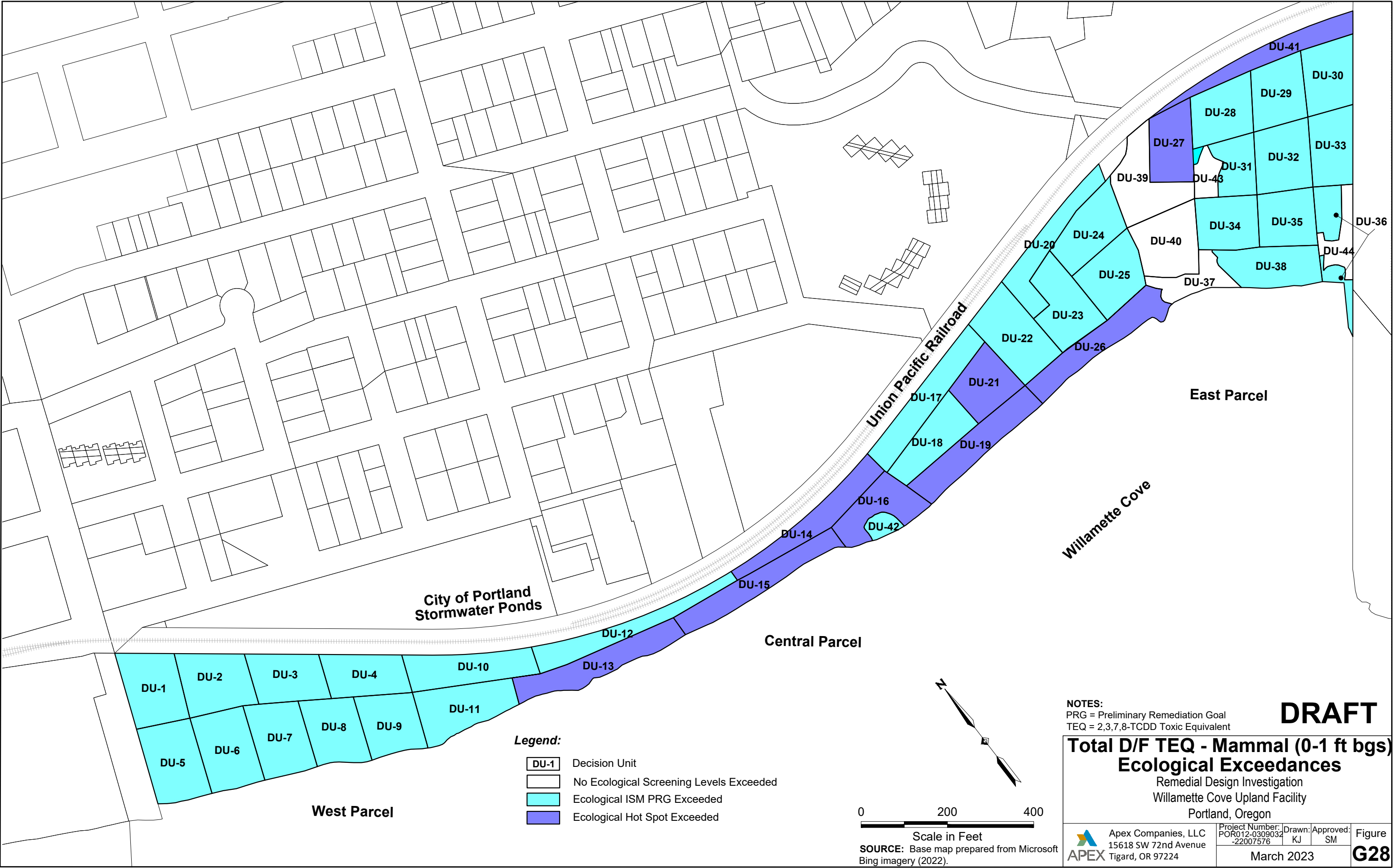




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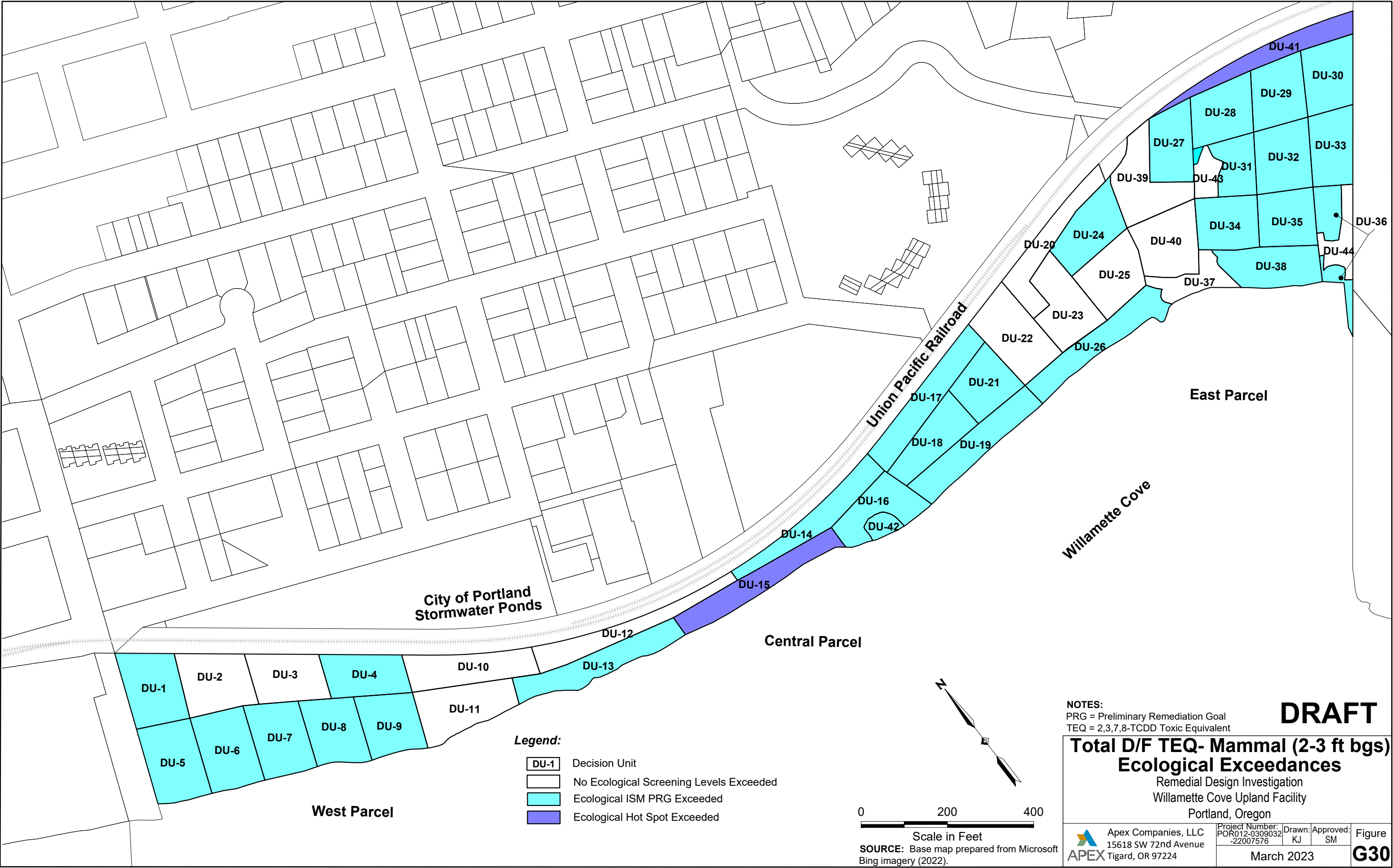
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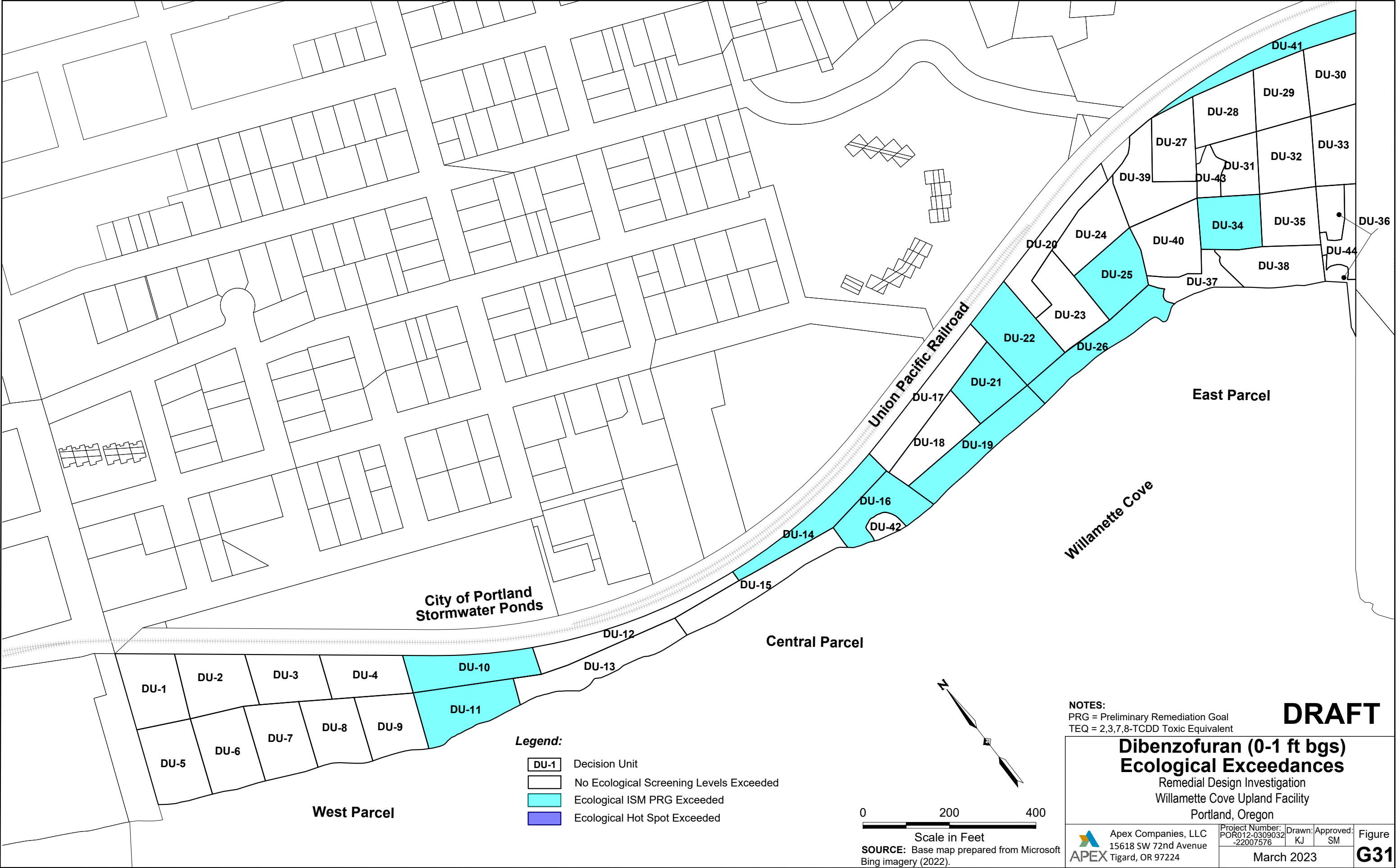
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2023		



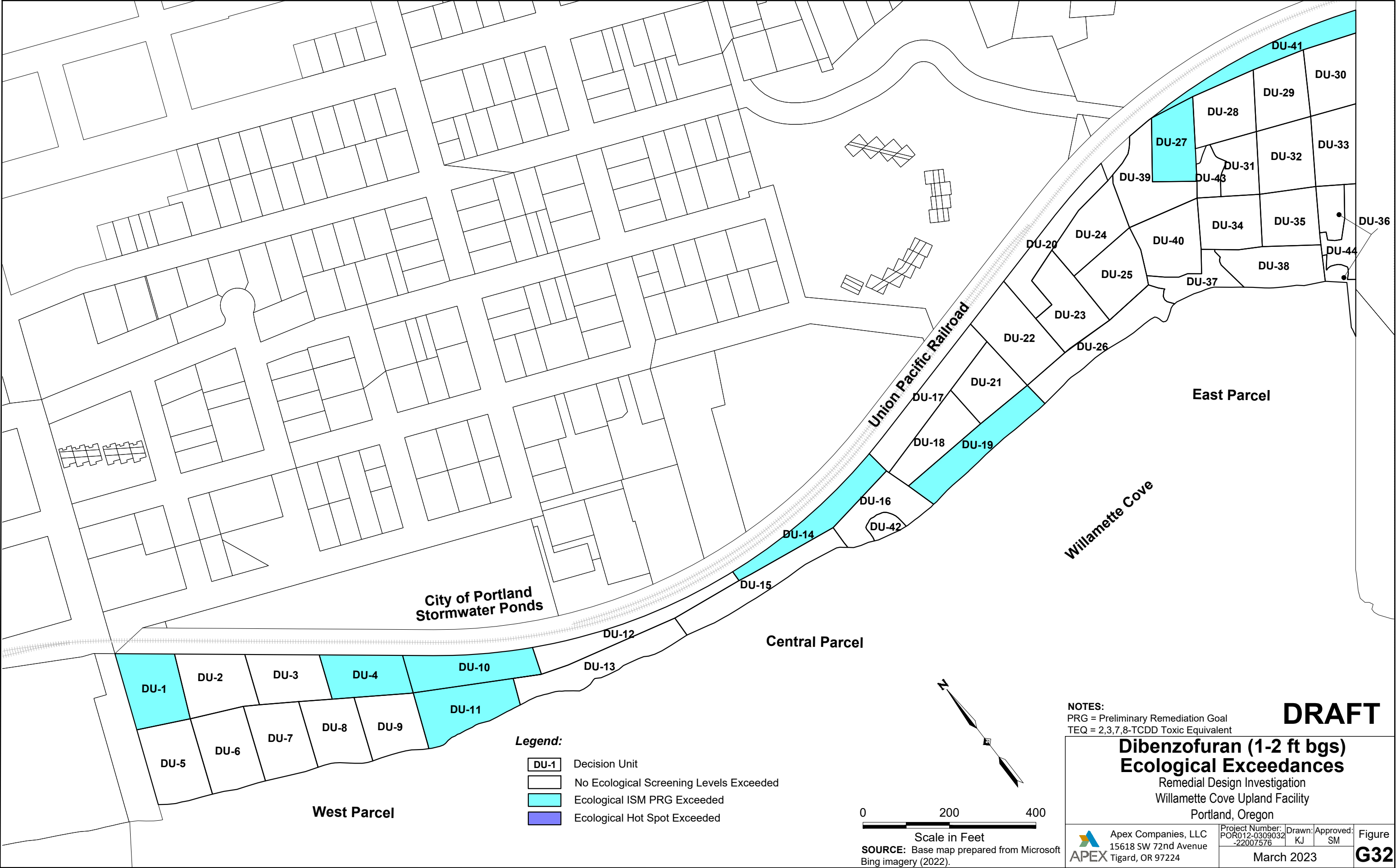
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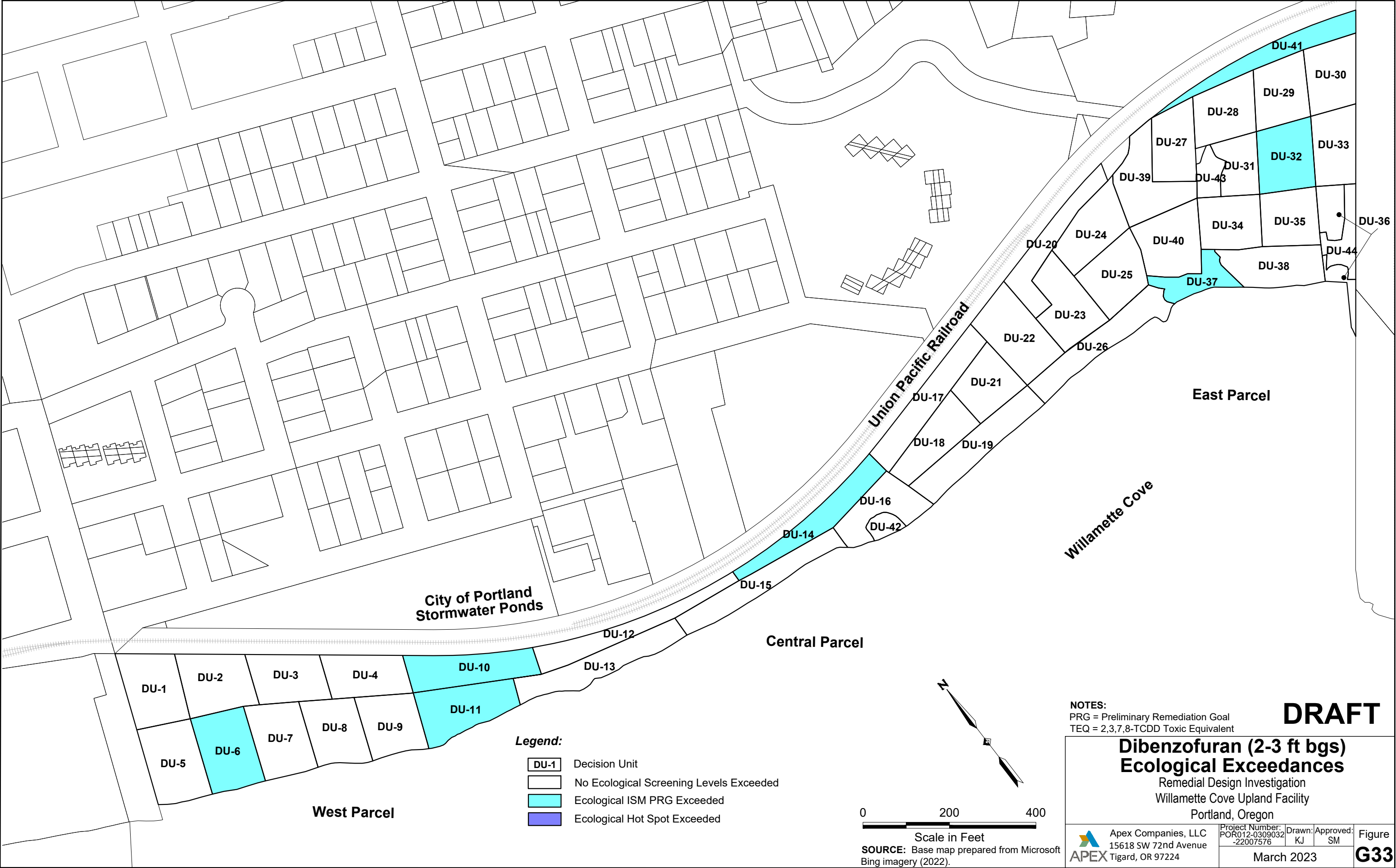


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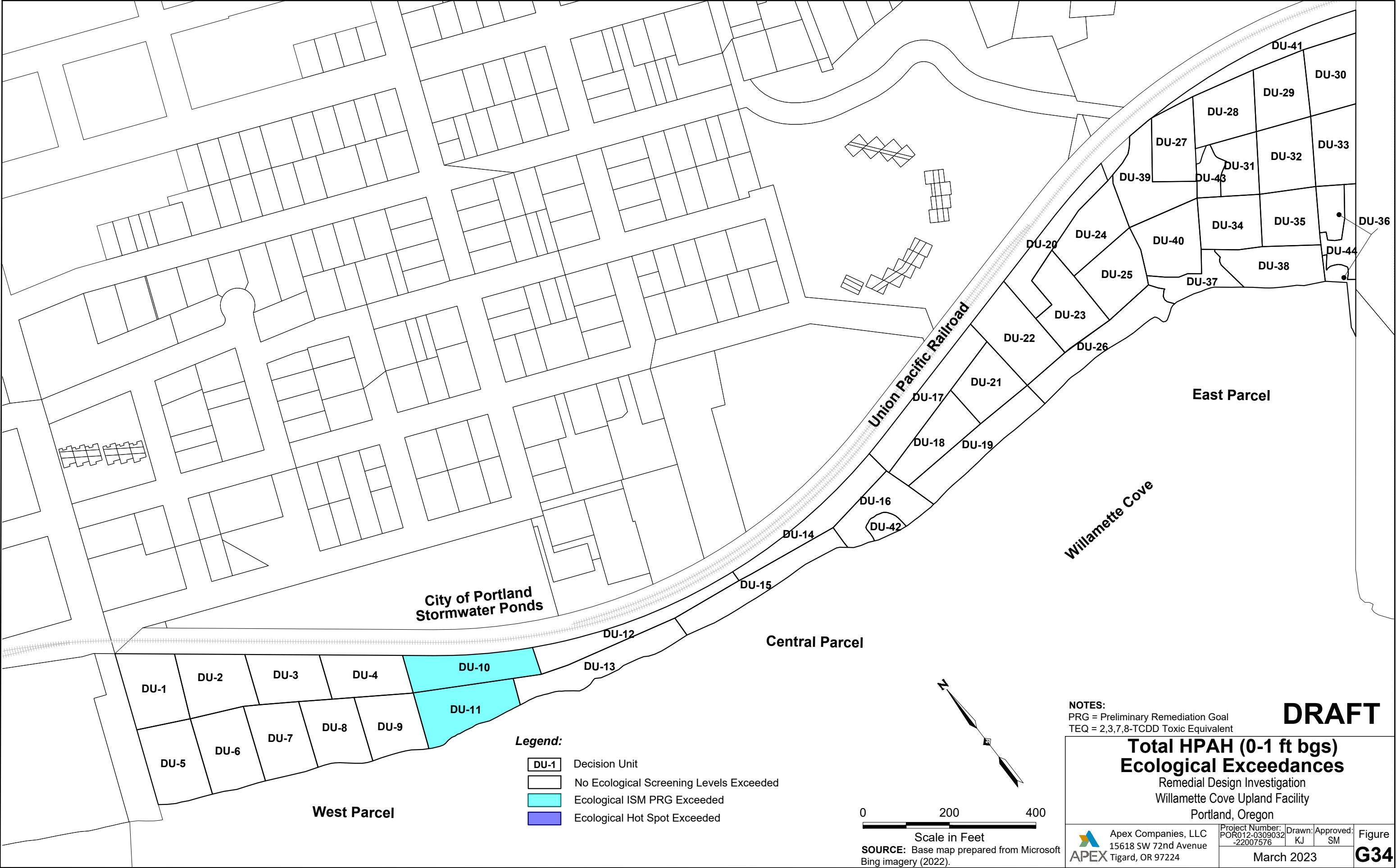




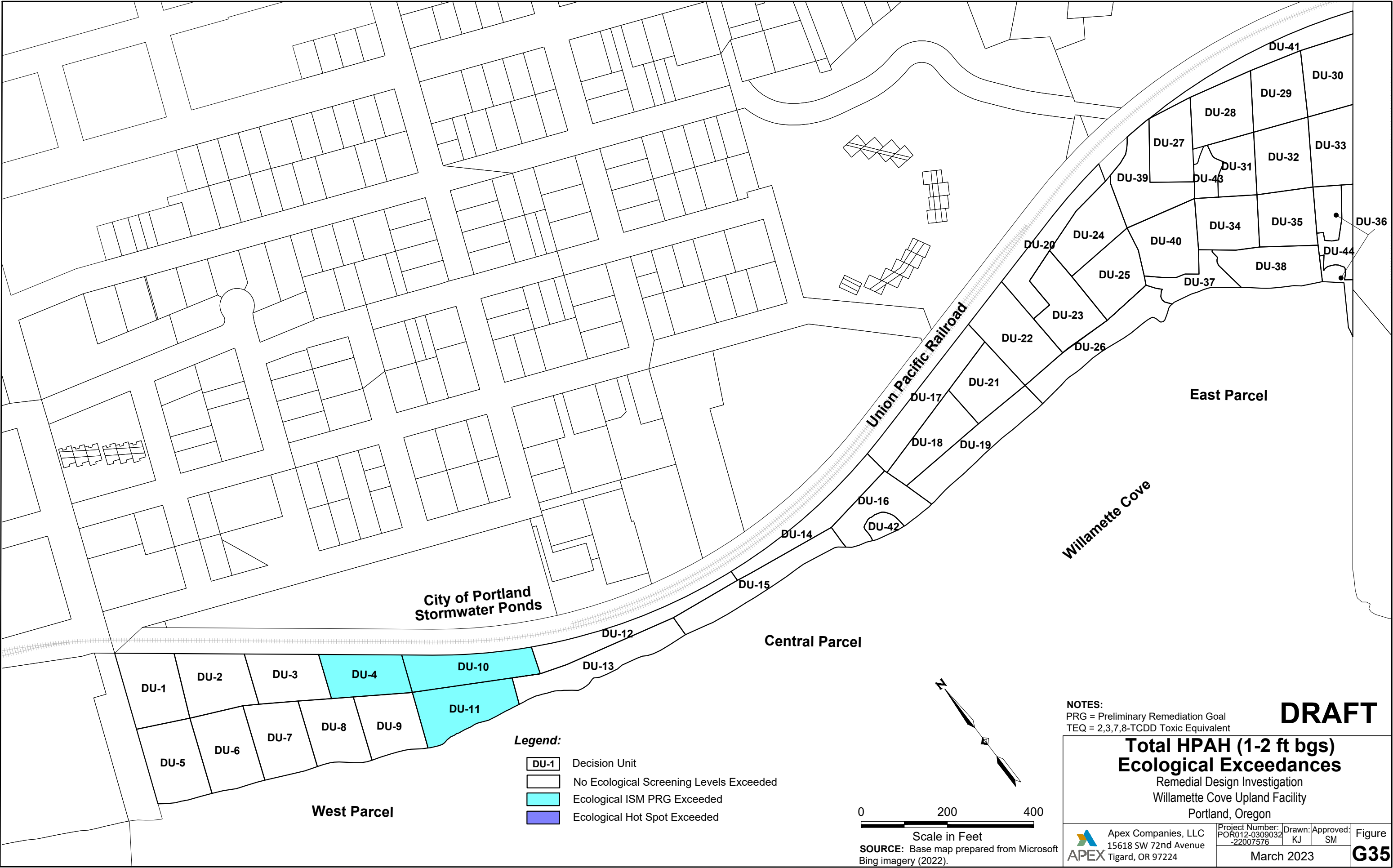
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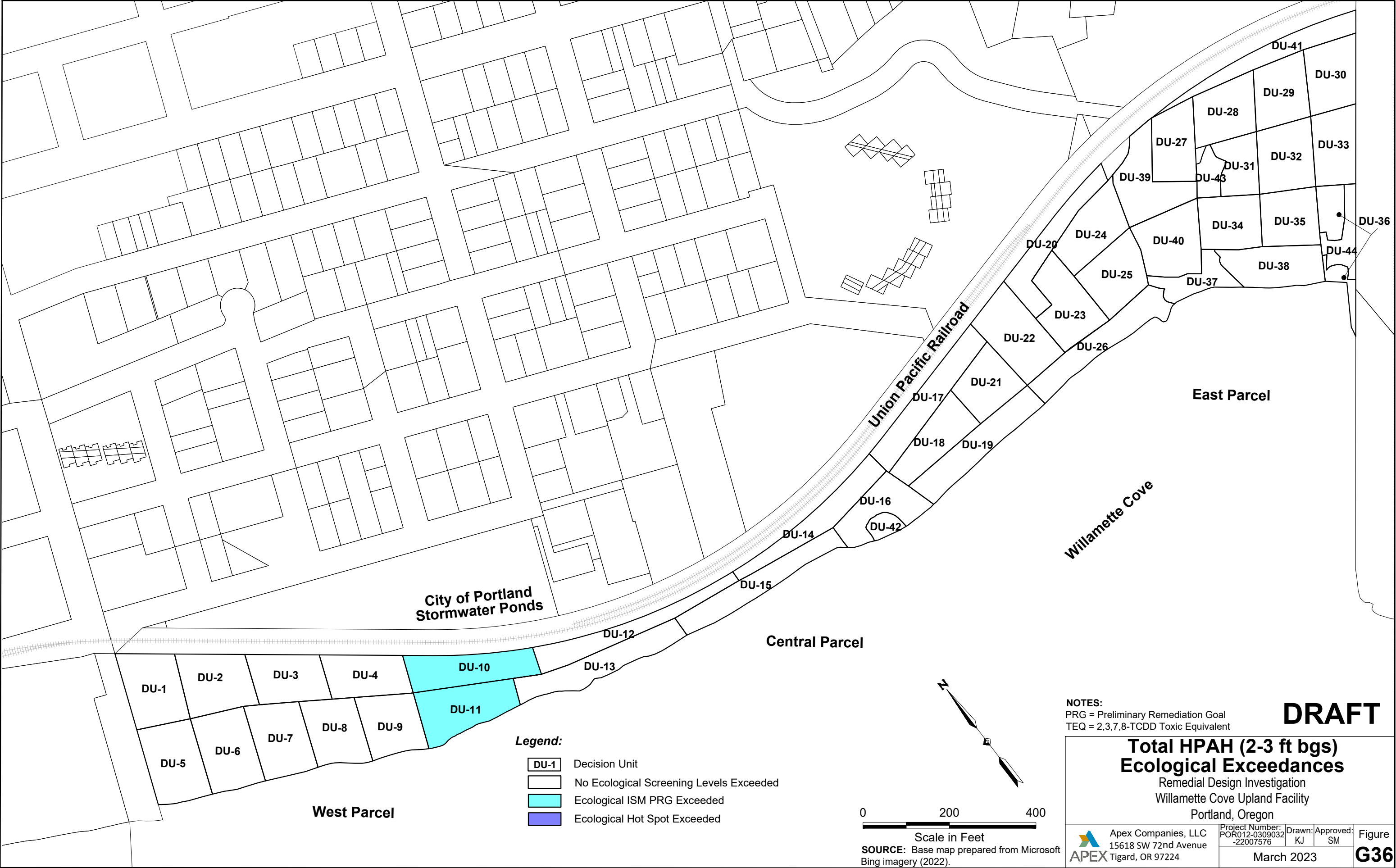


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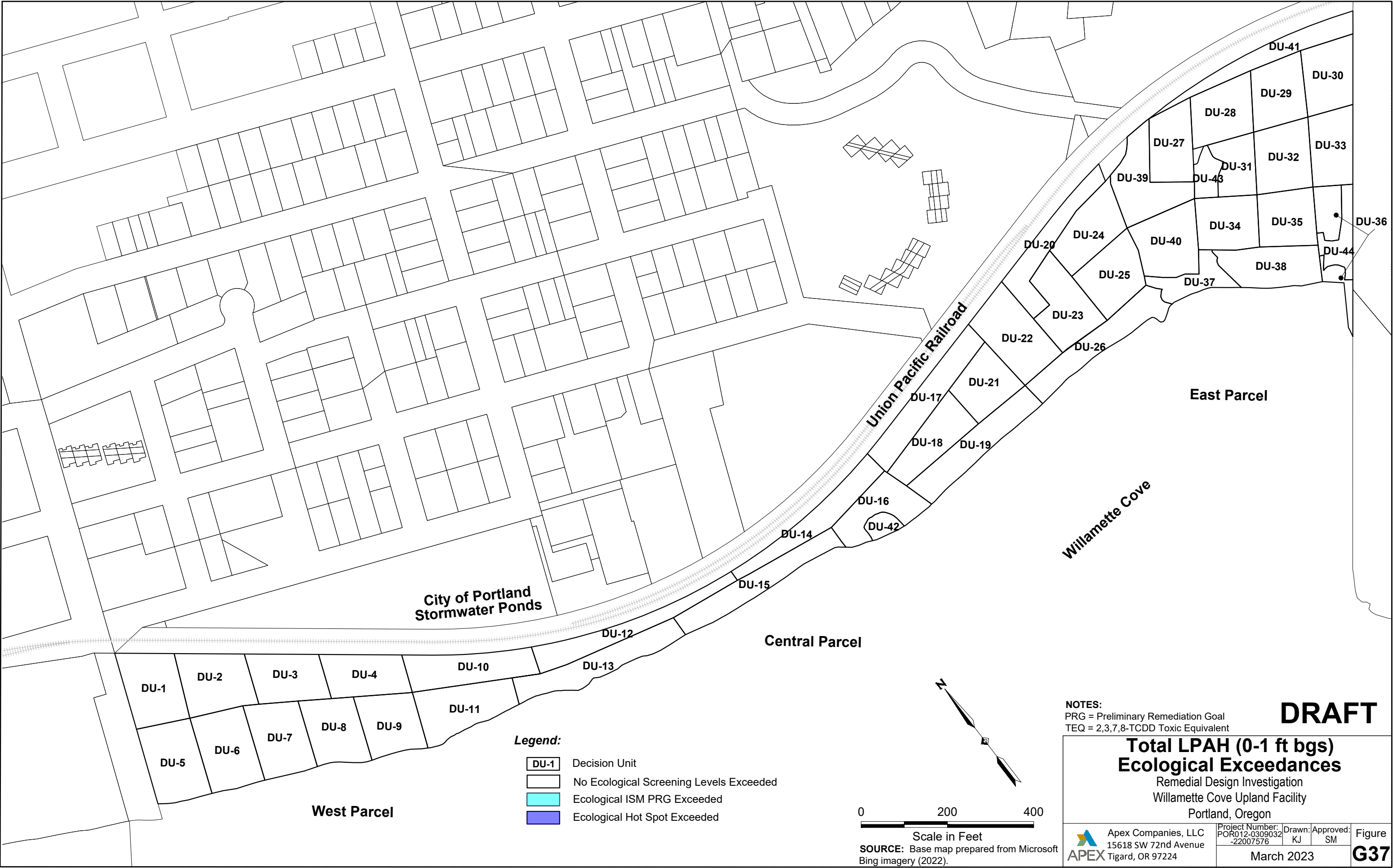




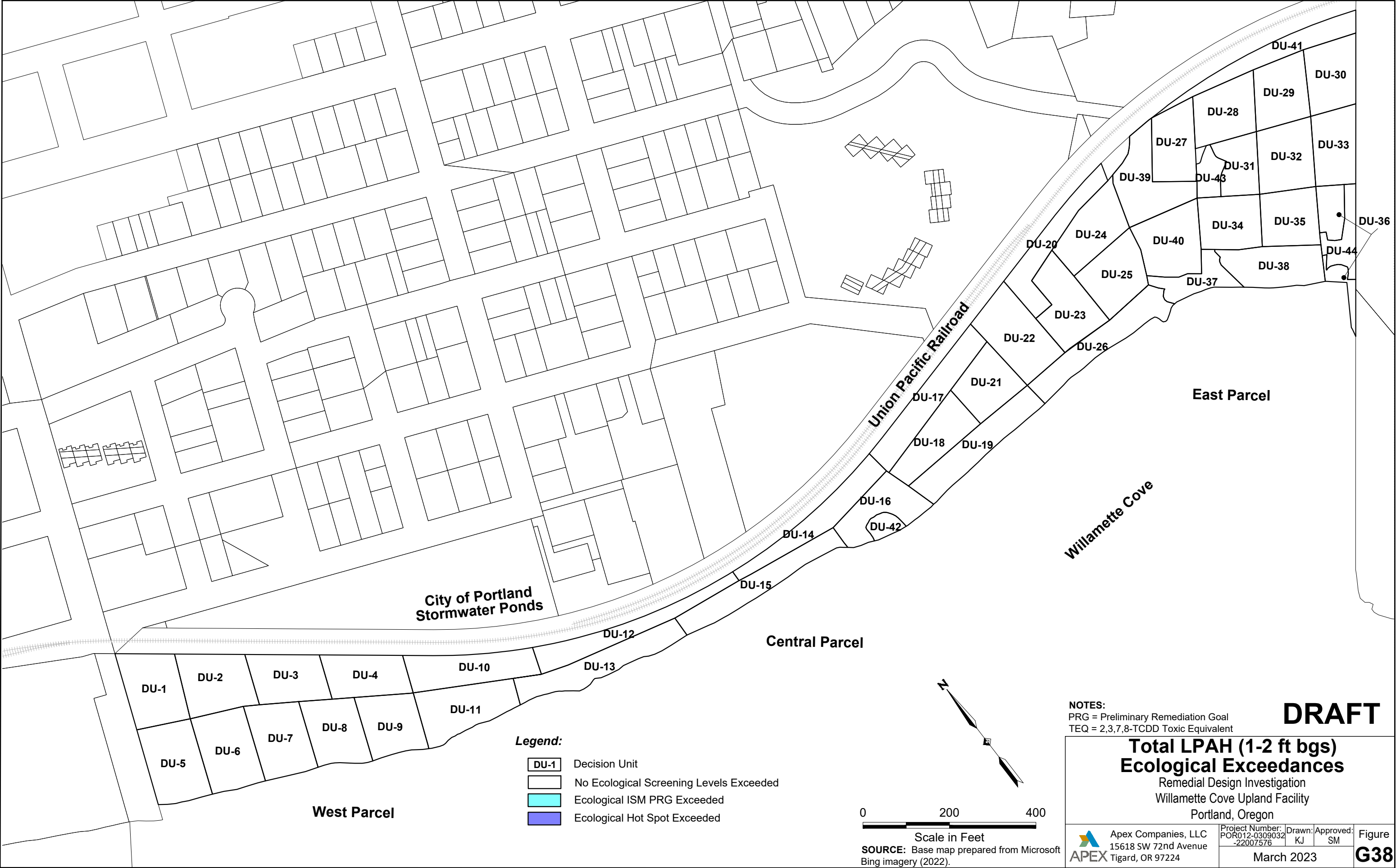
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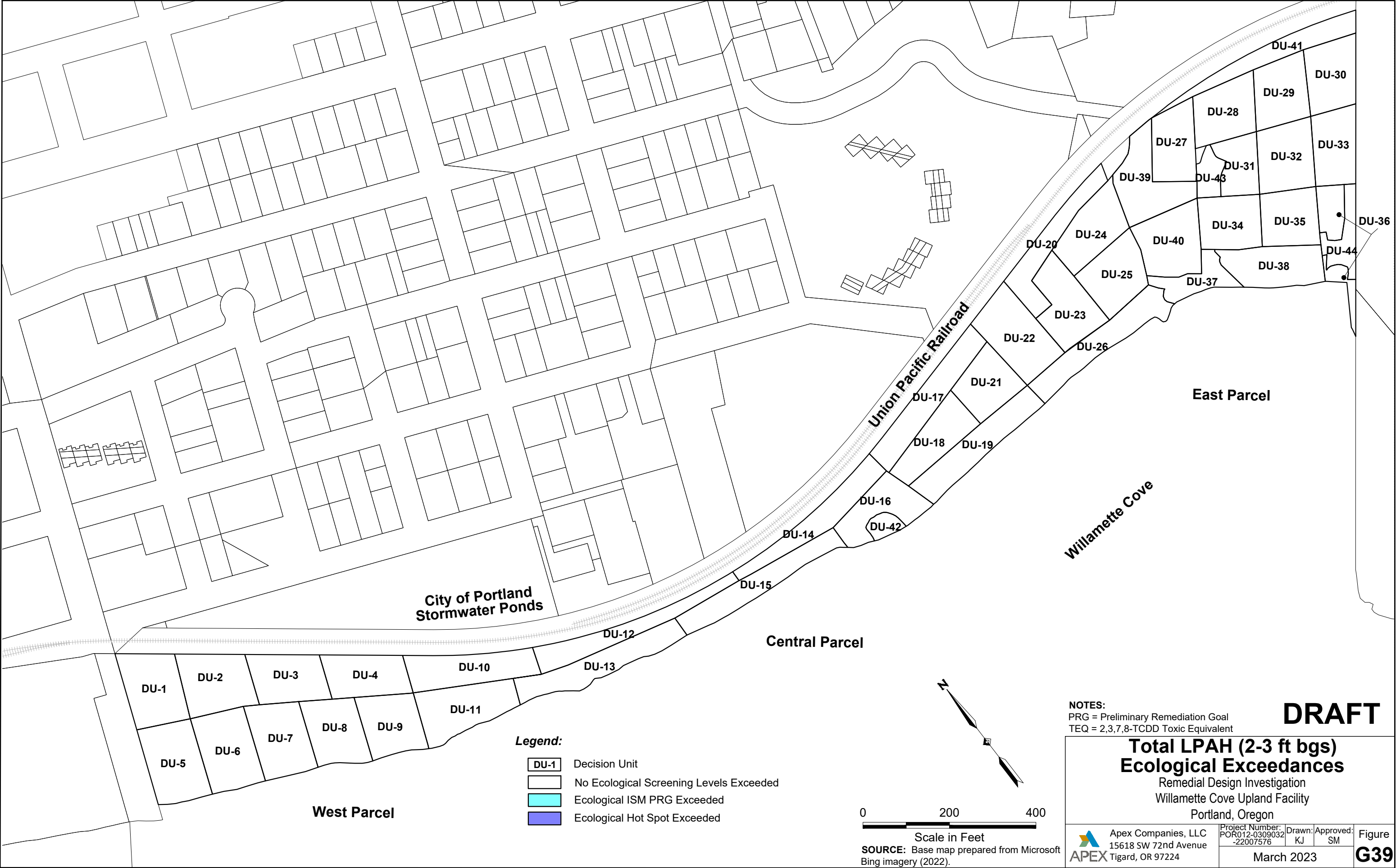


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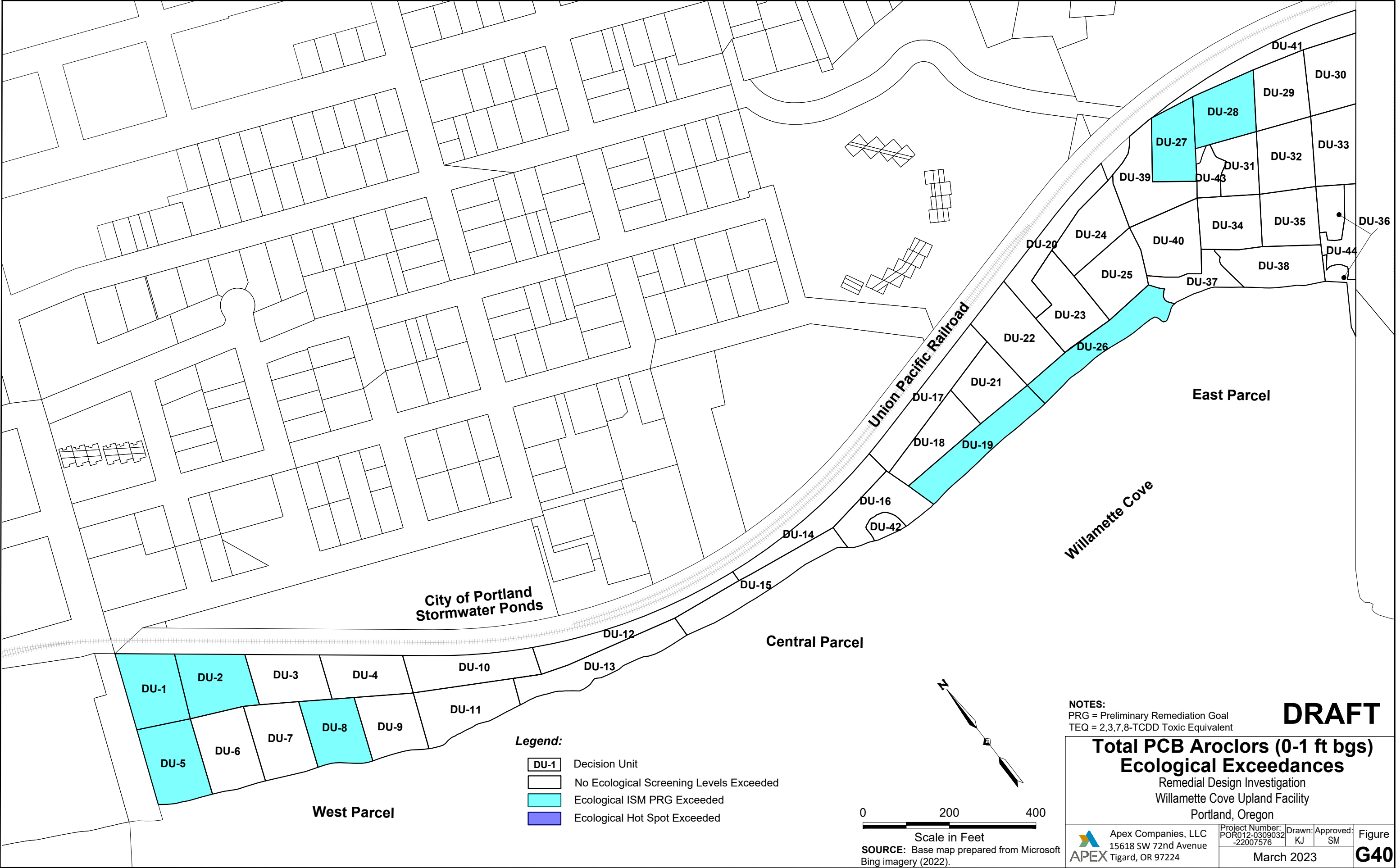




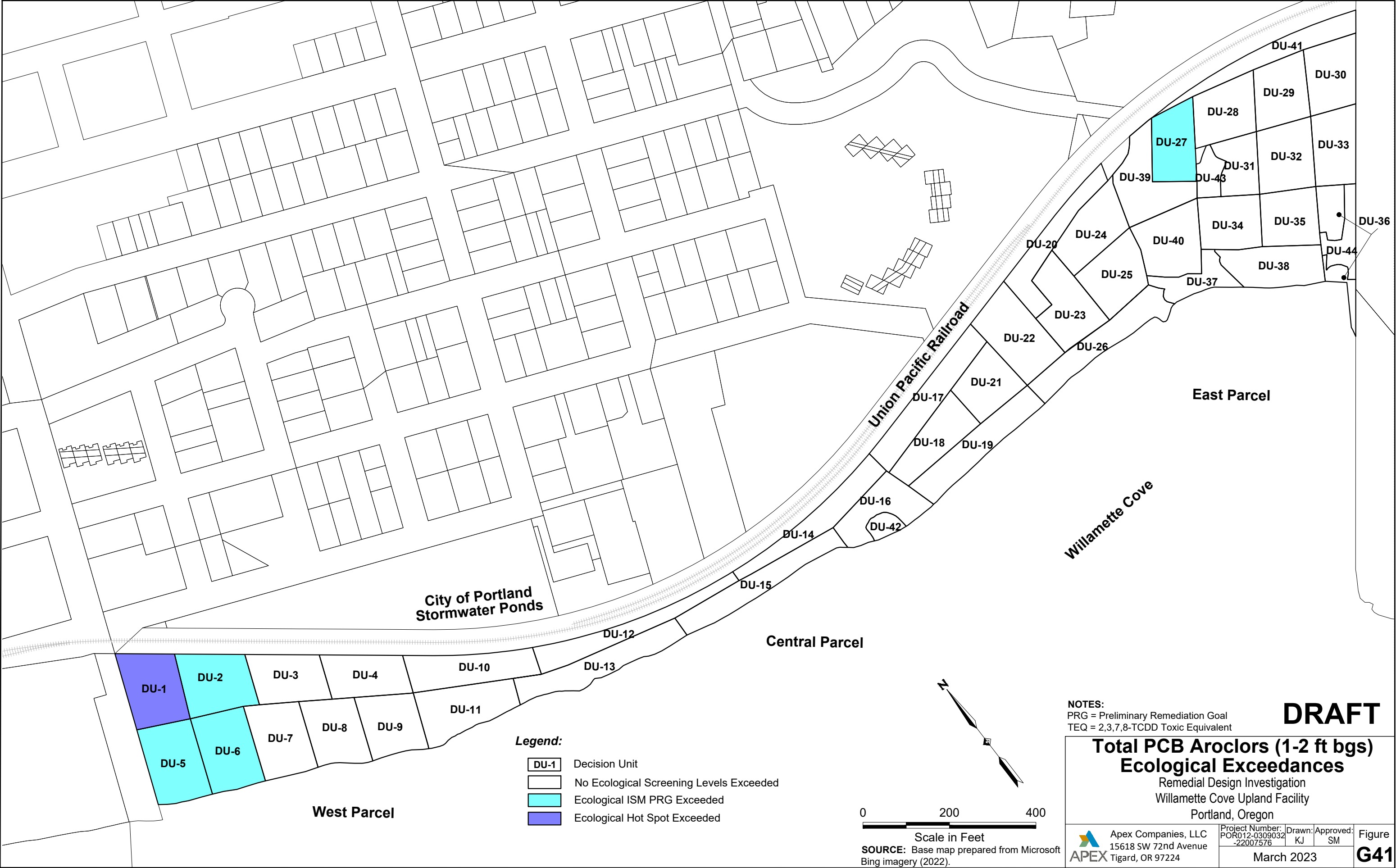
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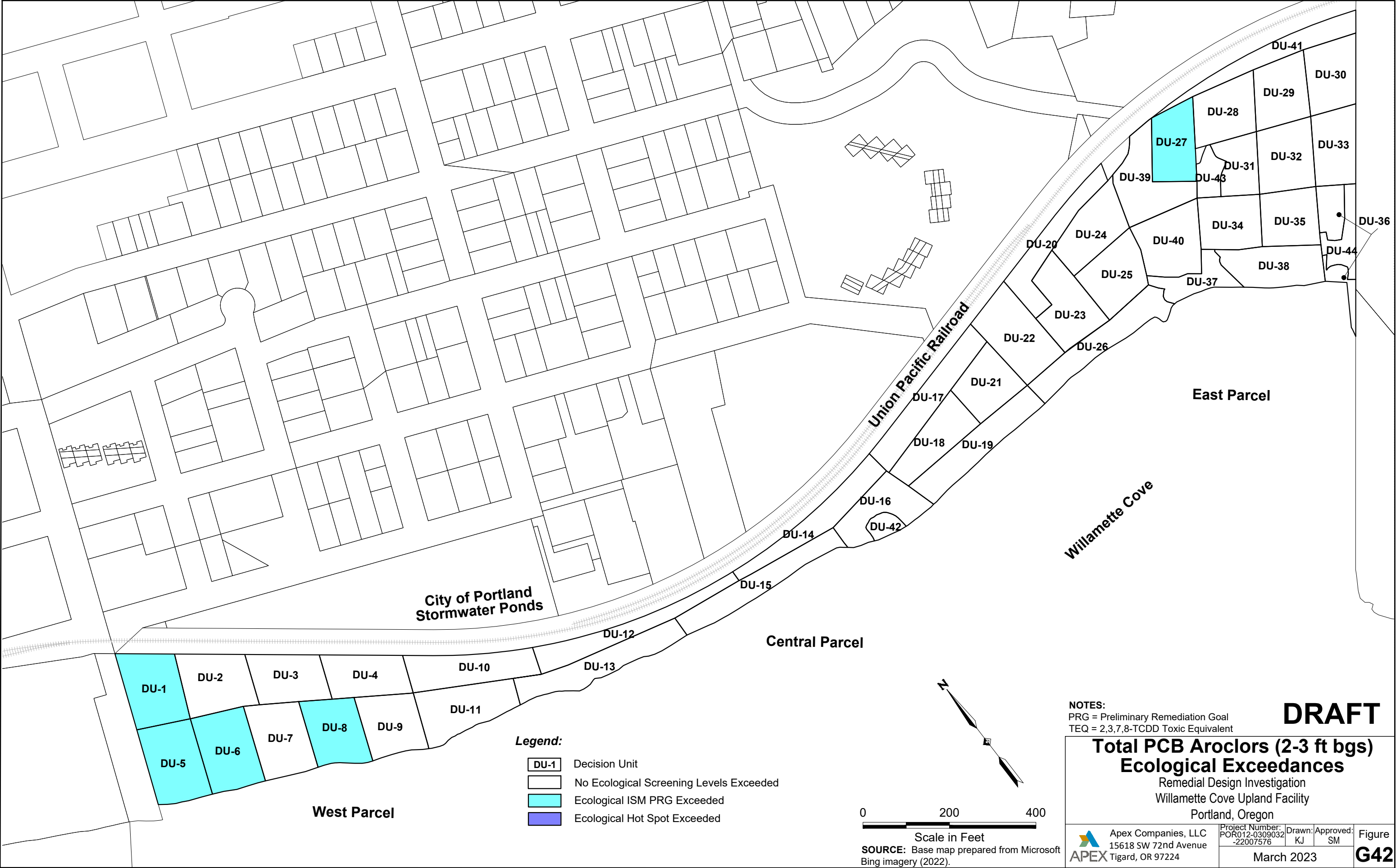


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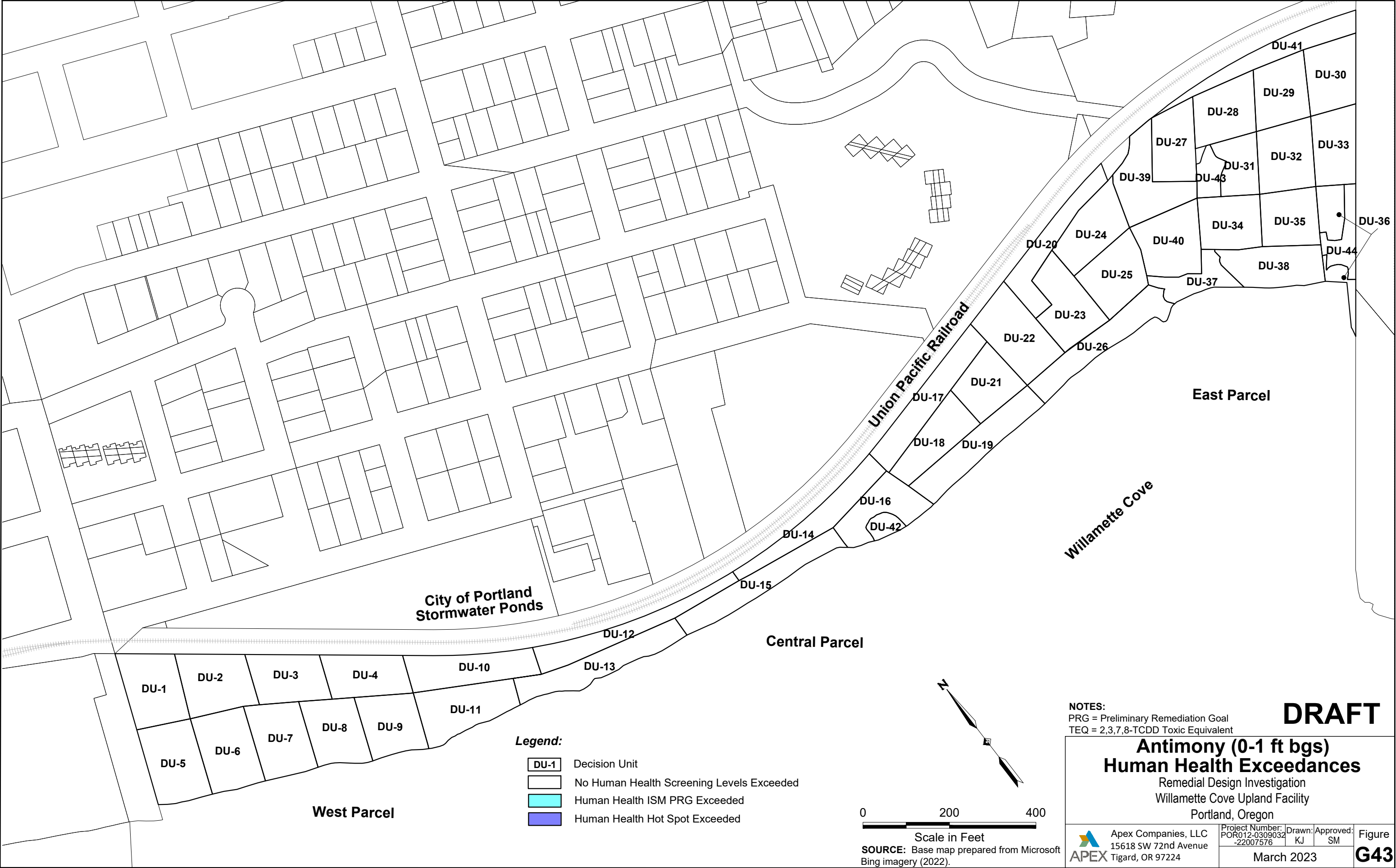




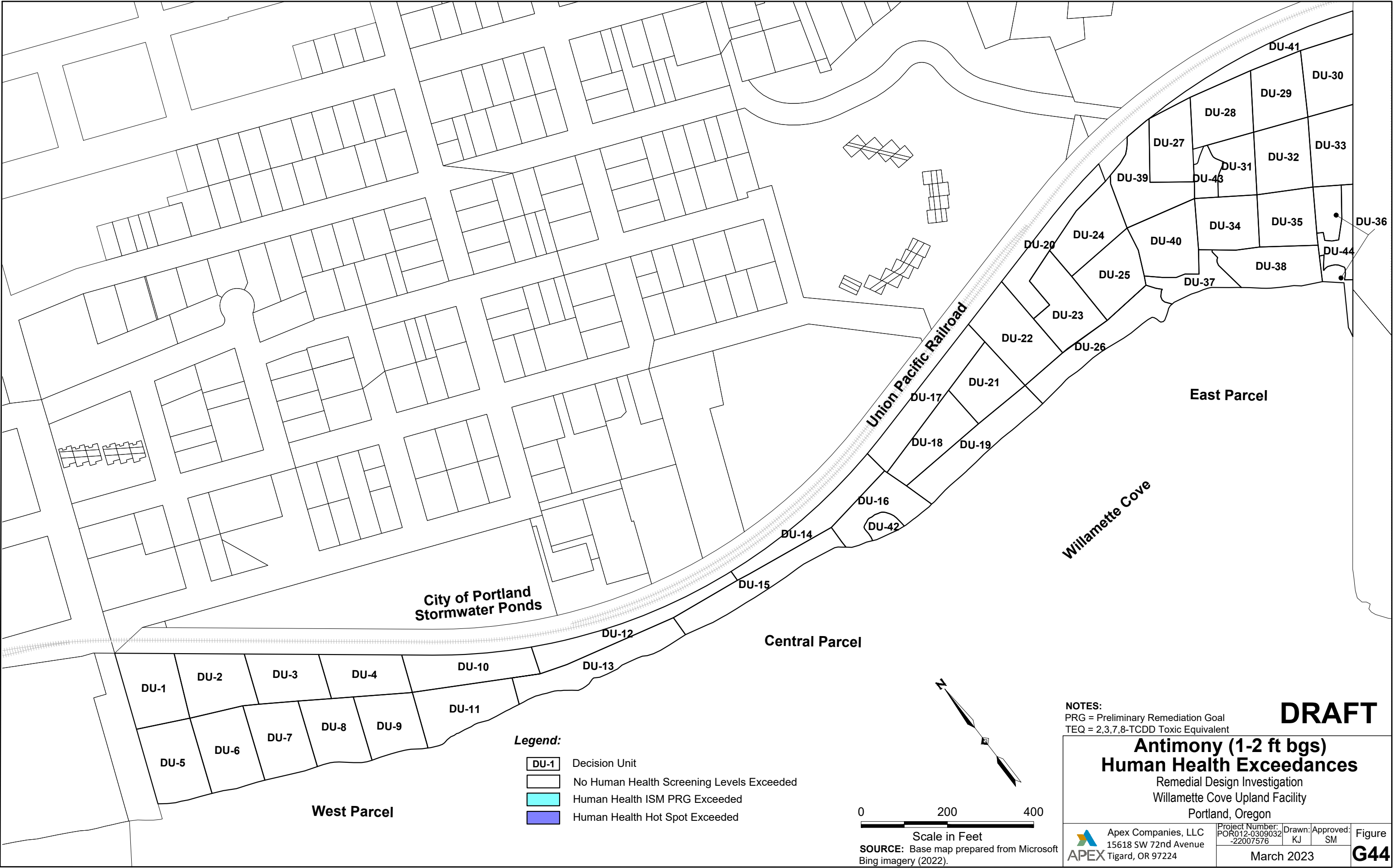
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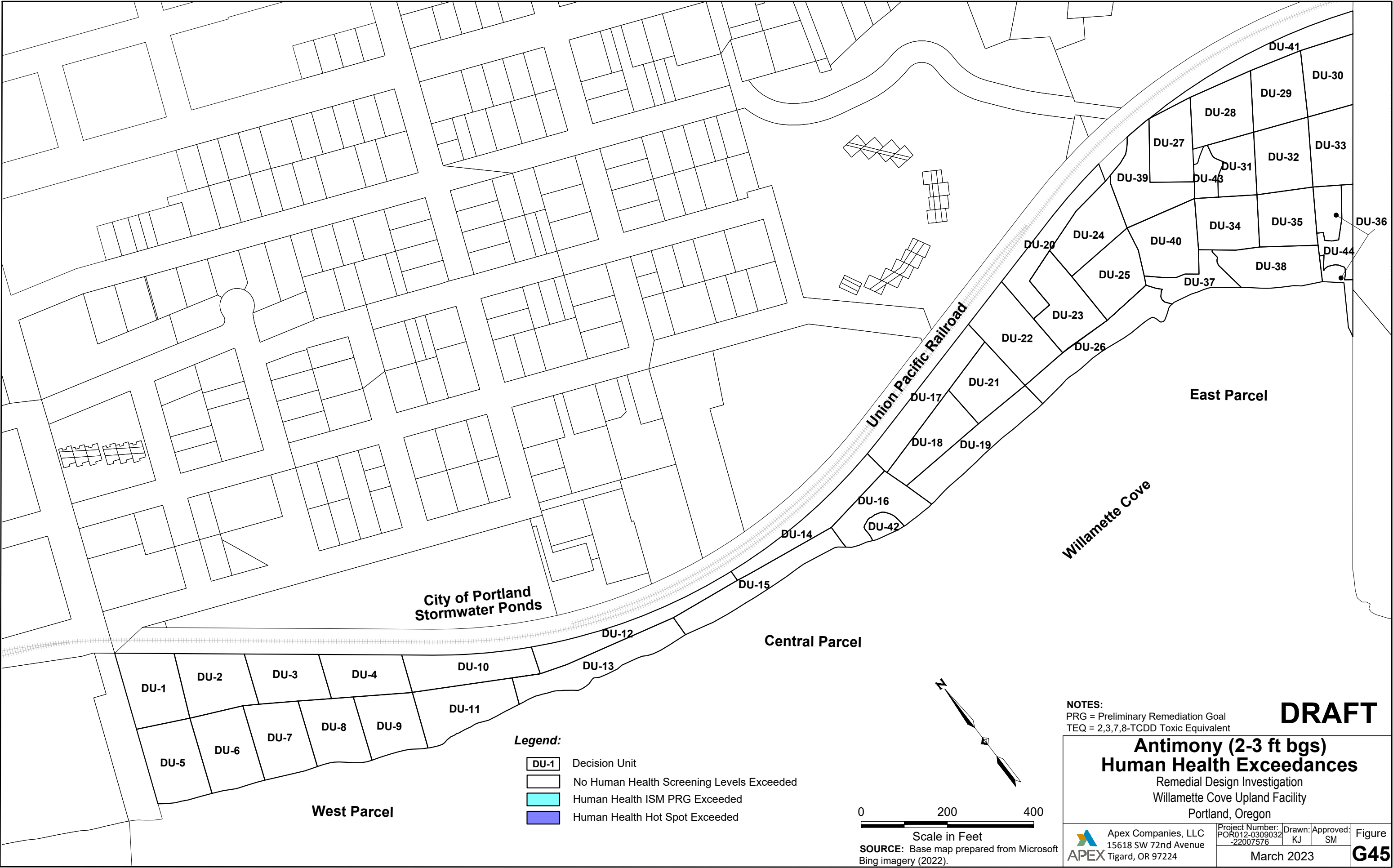


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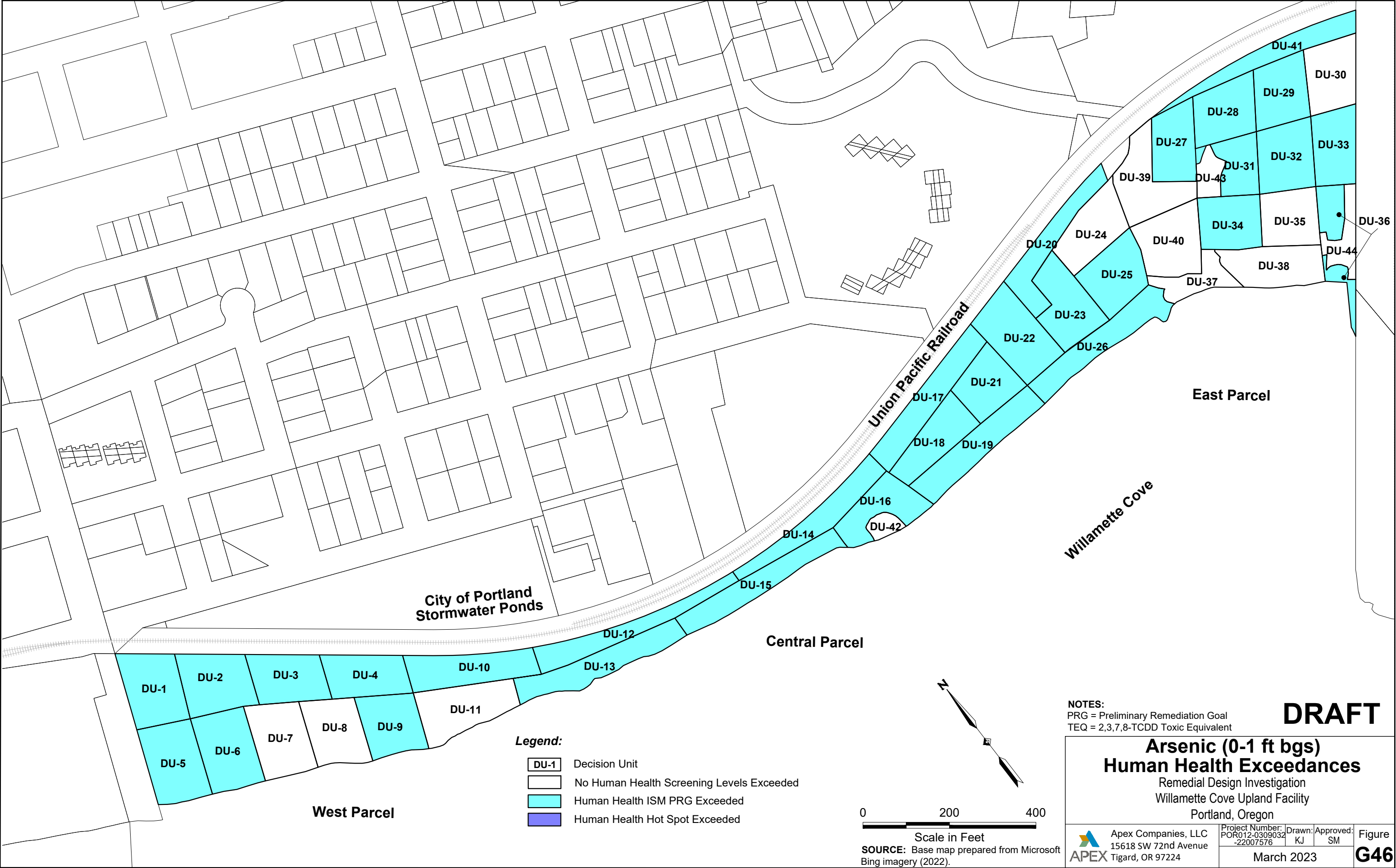




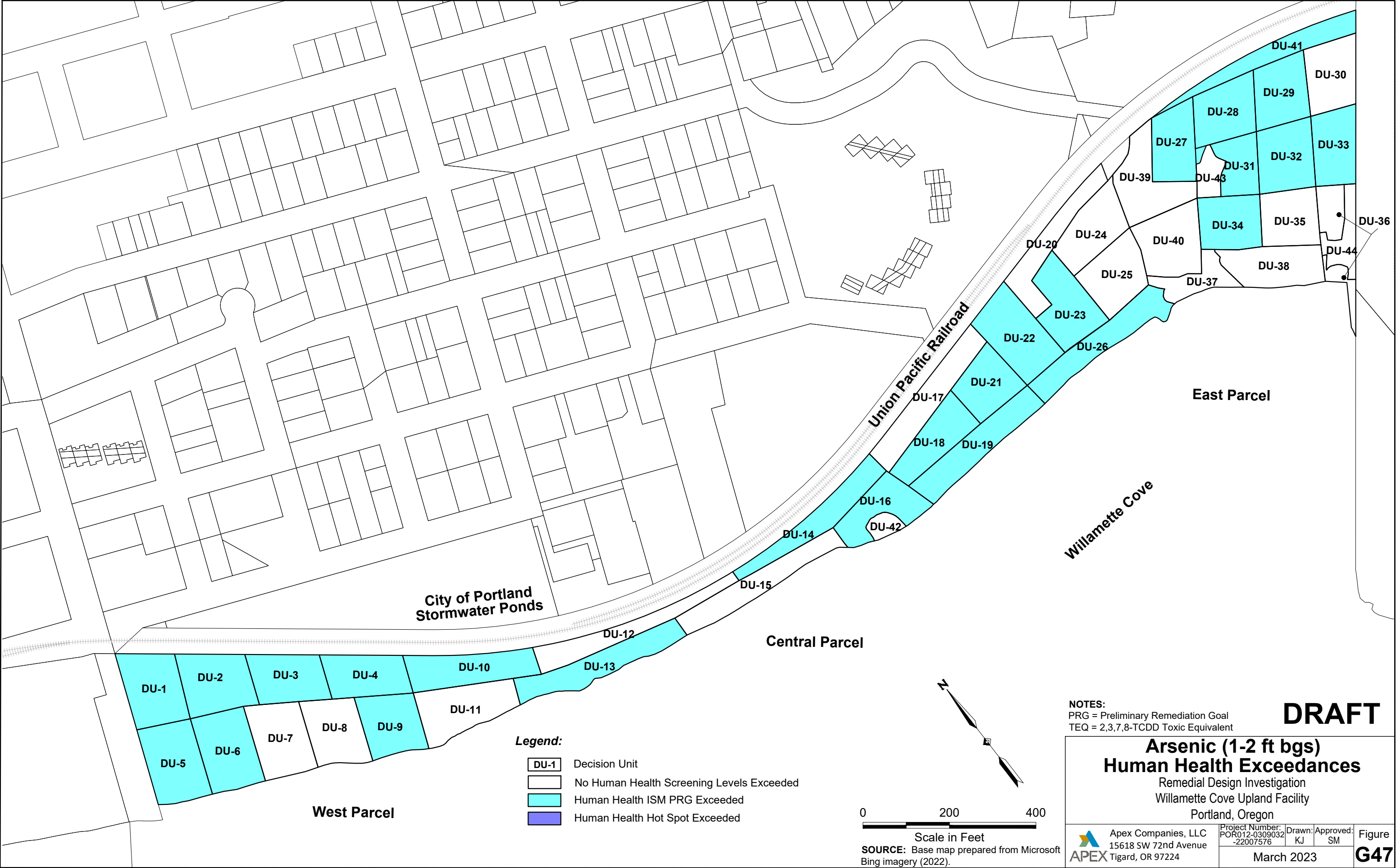
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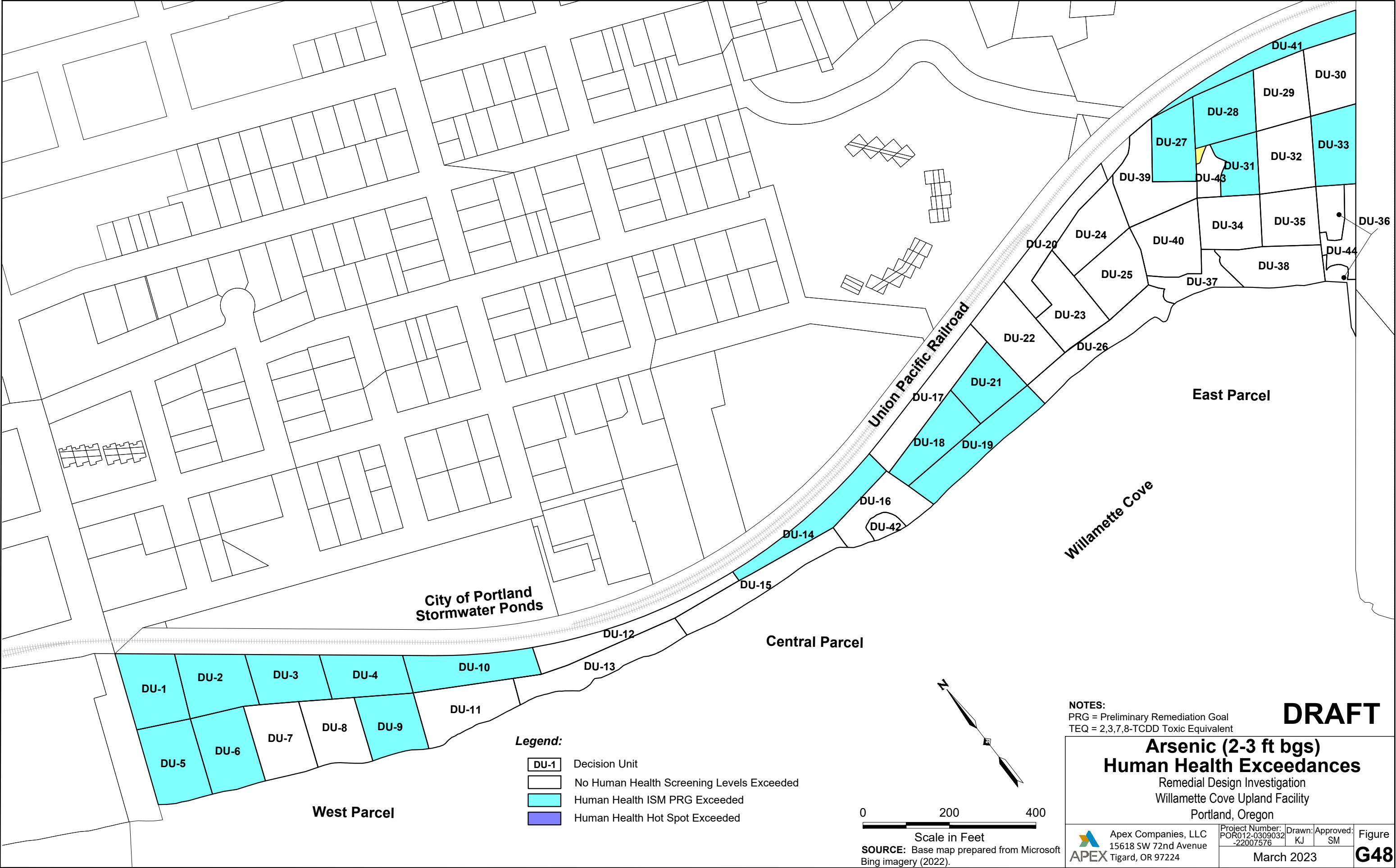


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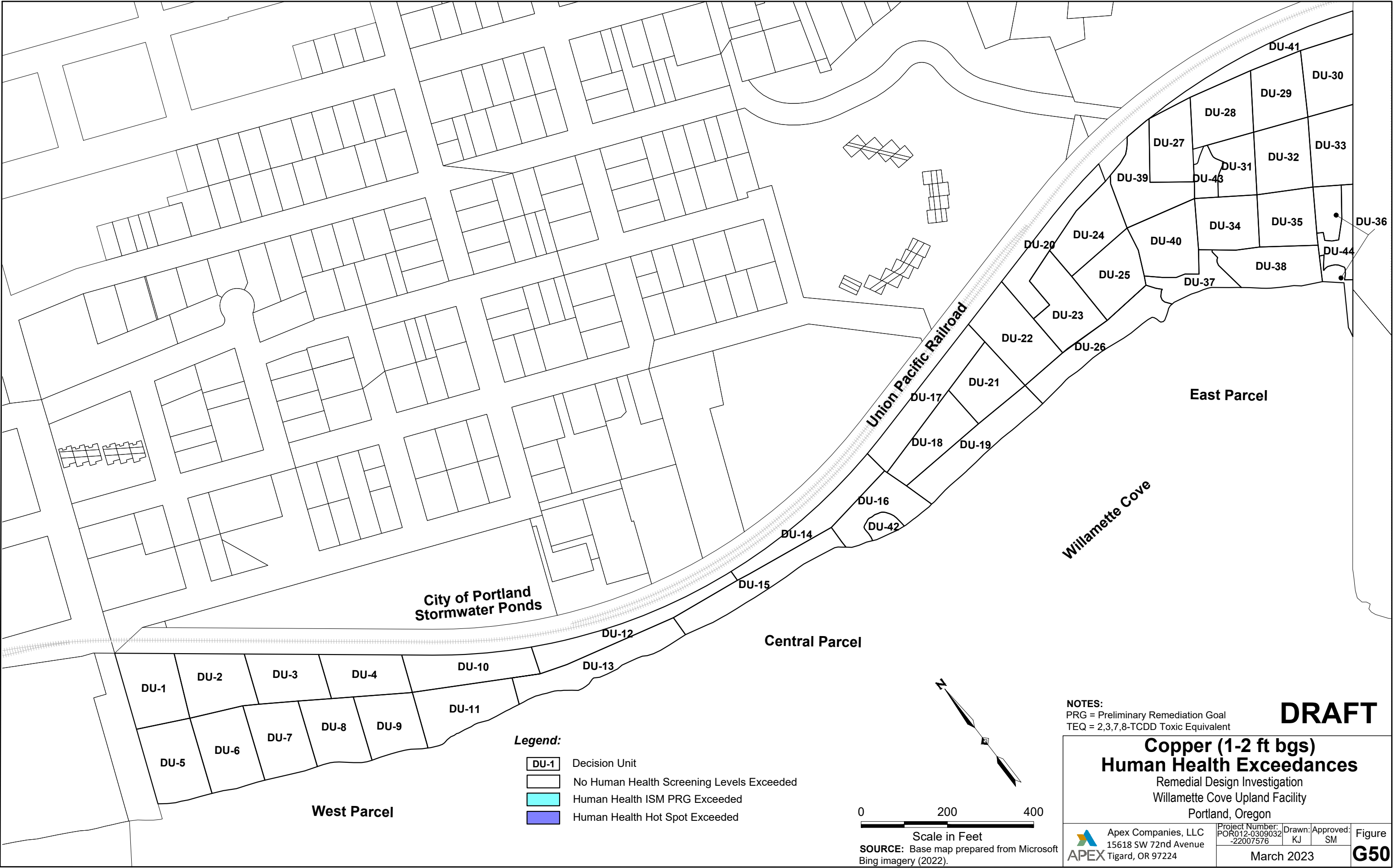
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Remedial Design Investigation  
Willamette Cove Upland Facility  
Portland, Oregon

Figure

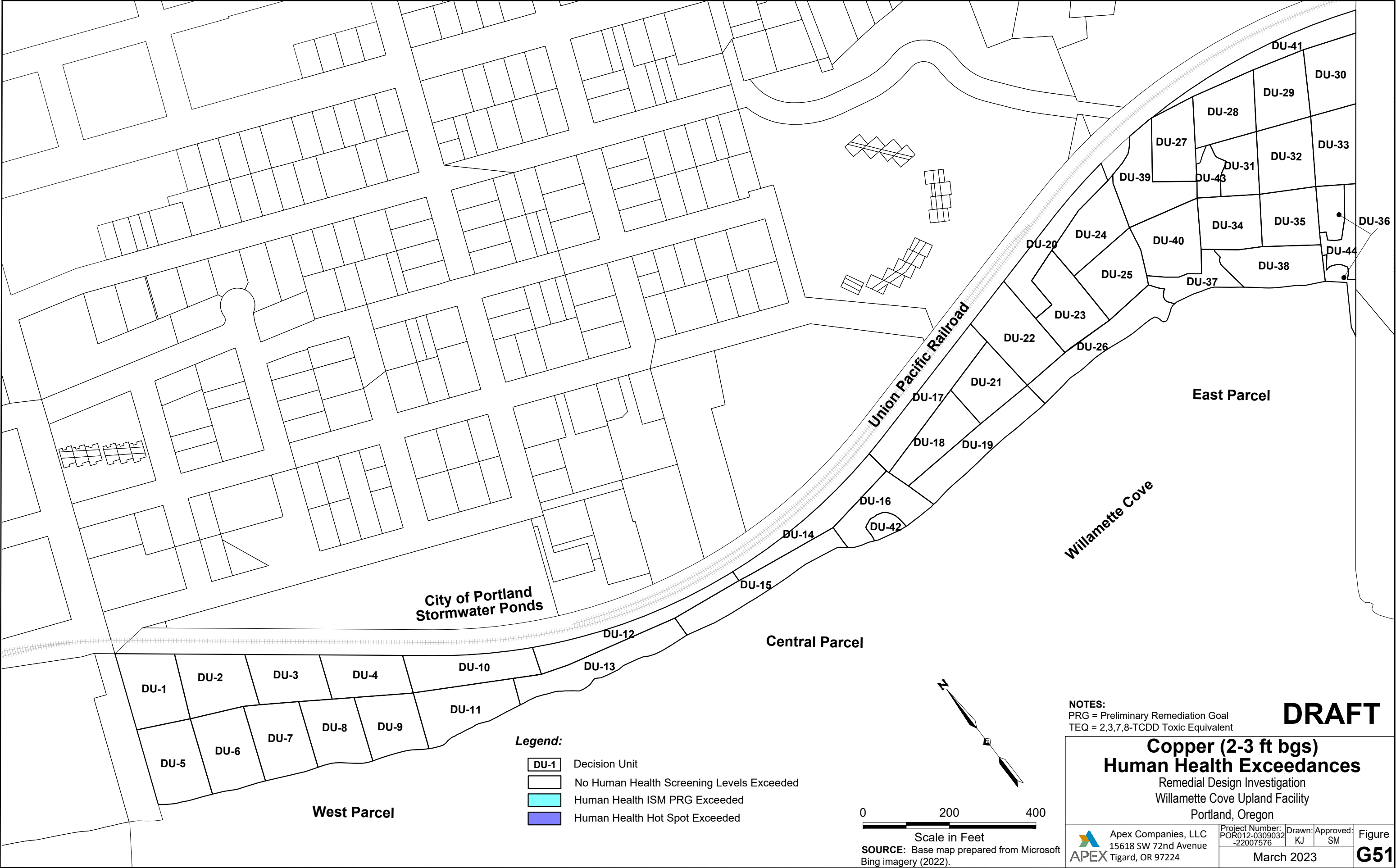
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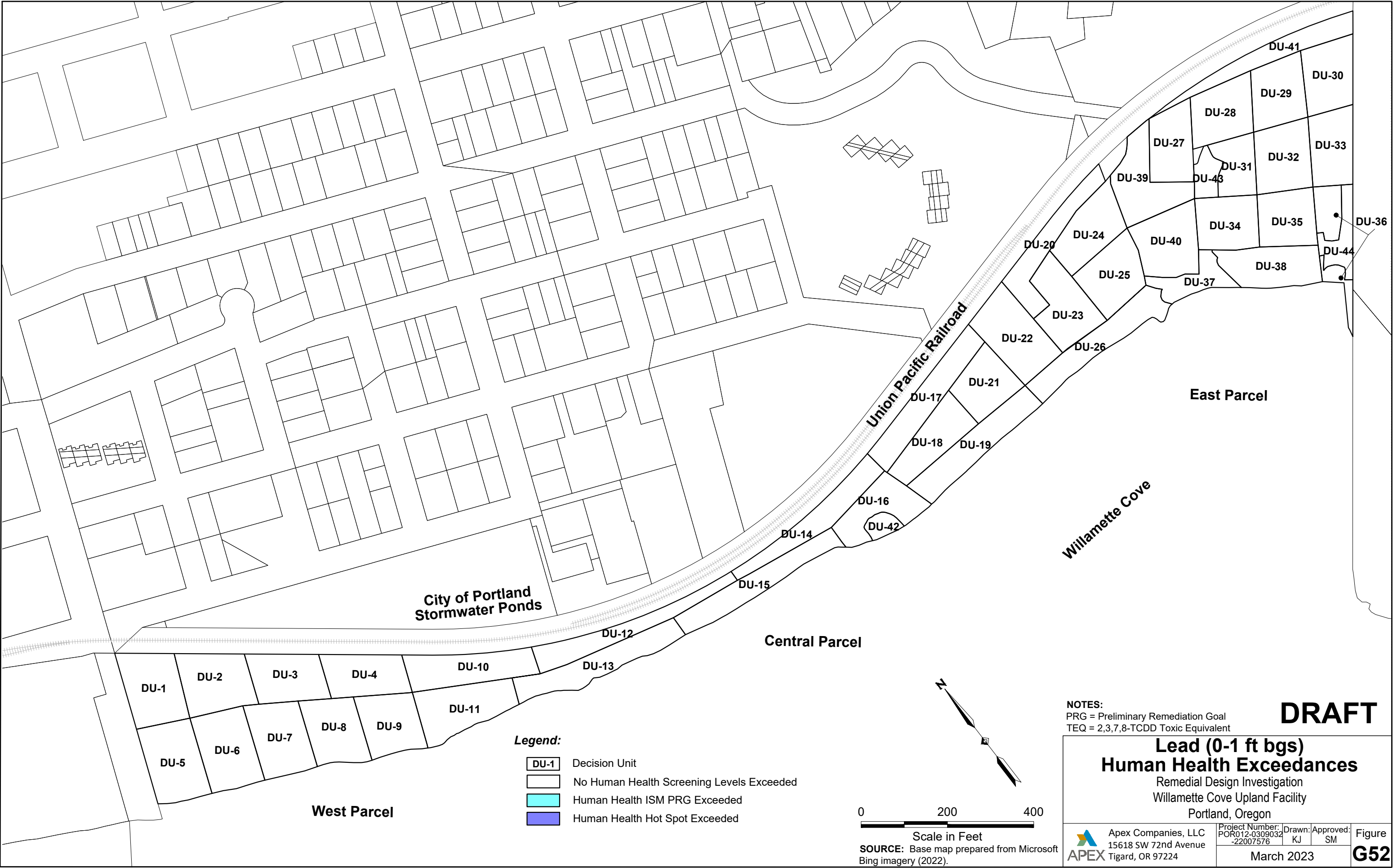




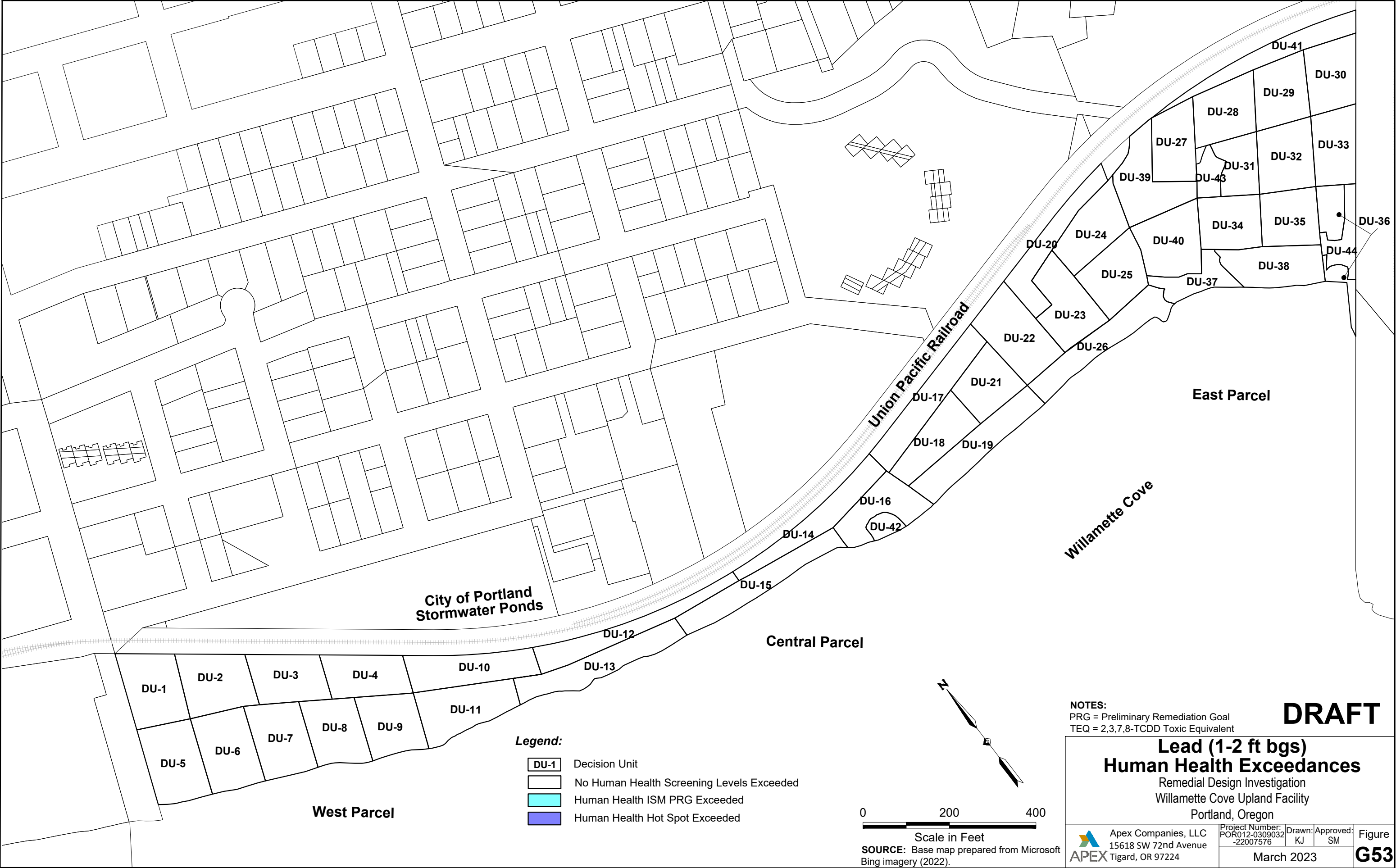
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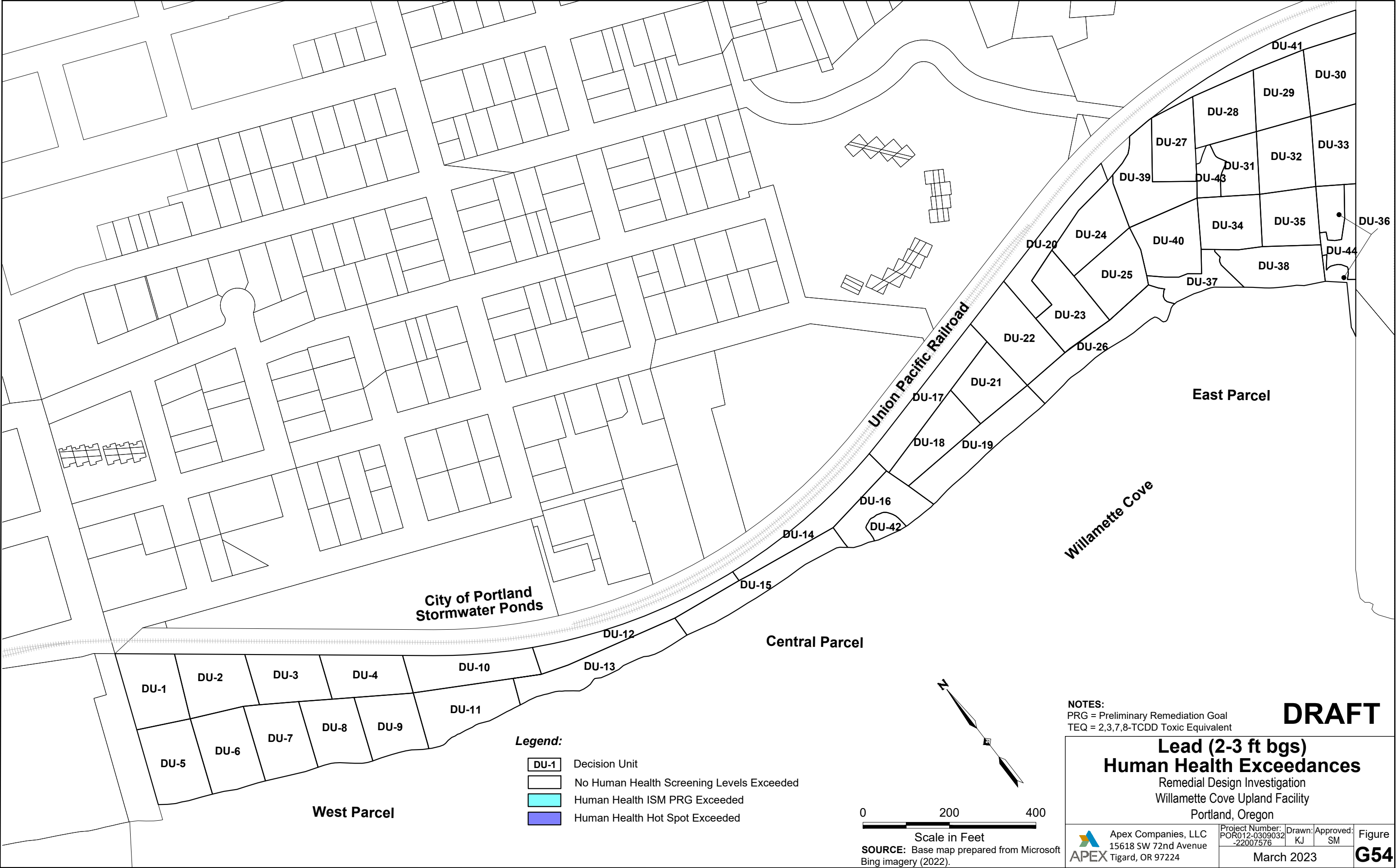


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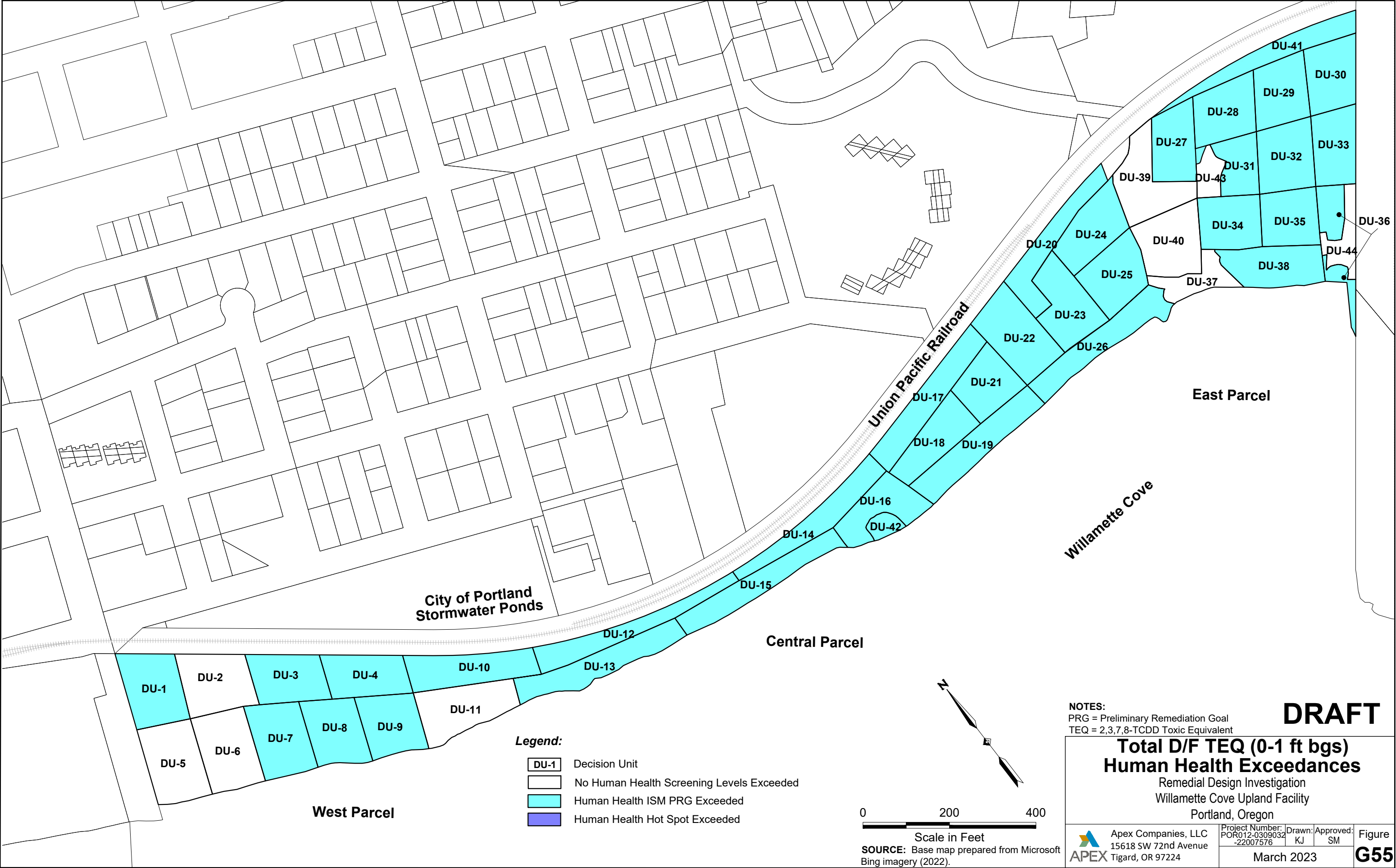




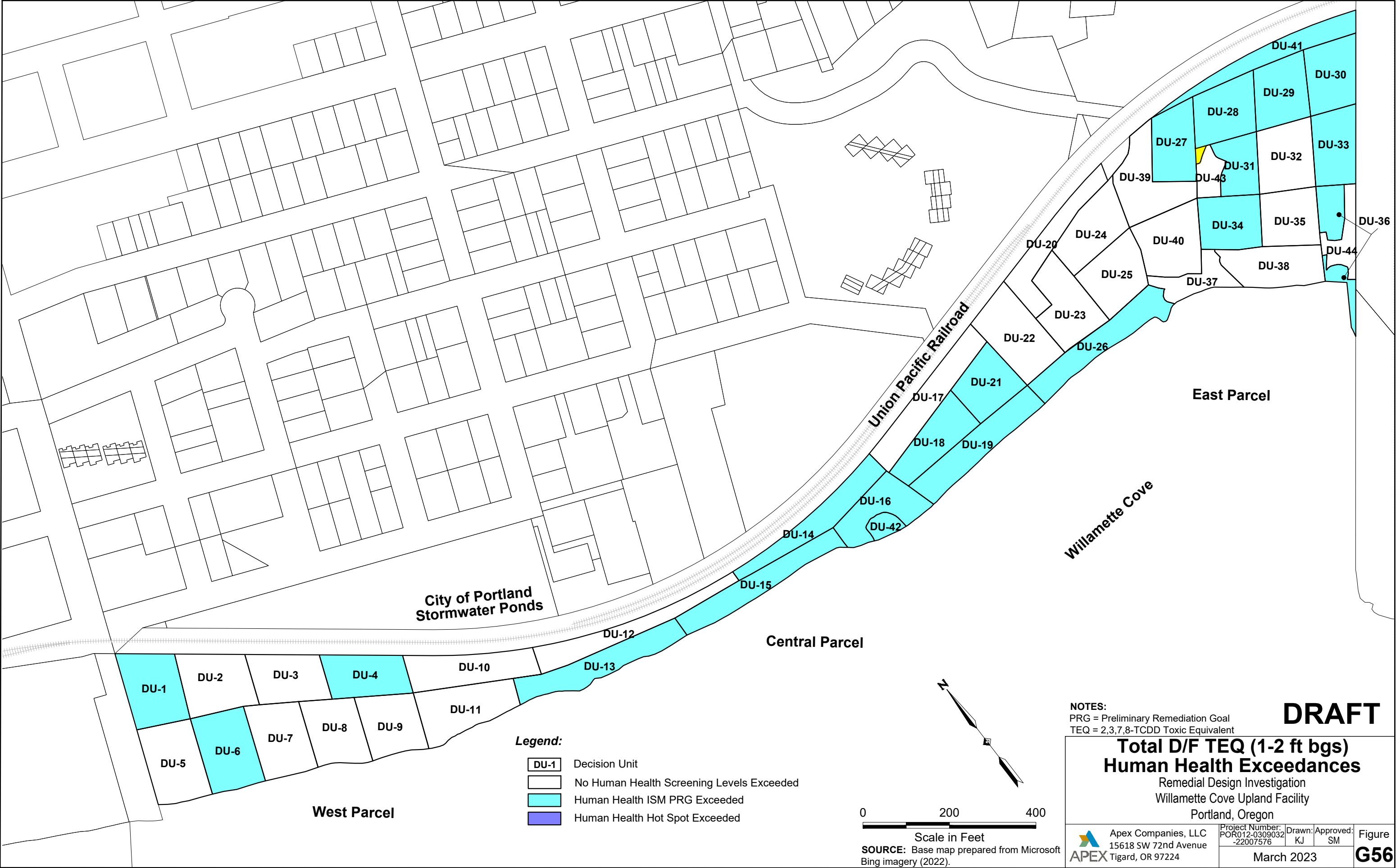
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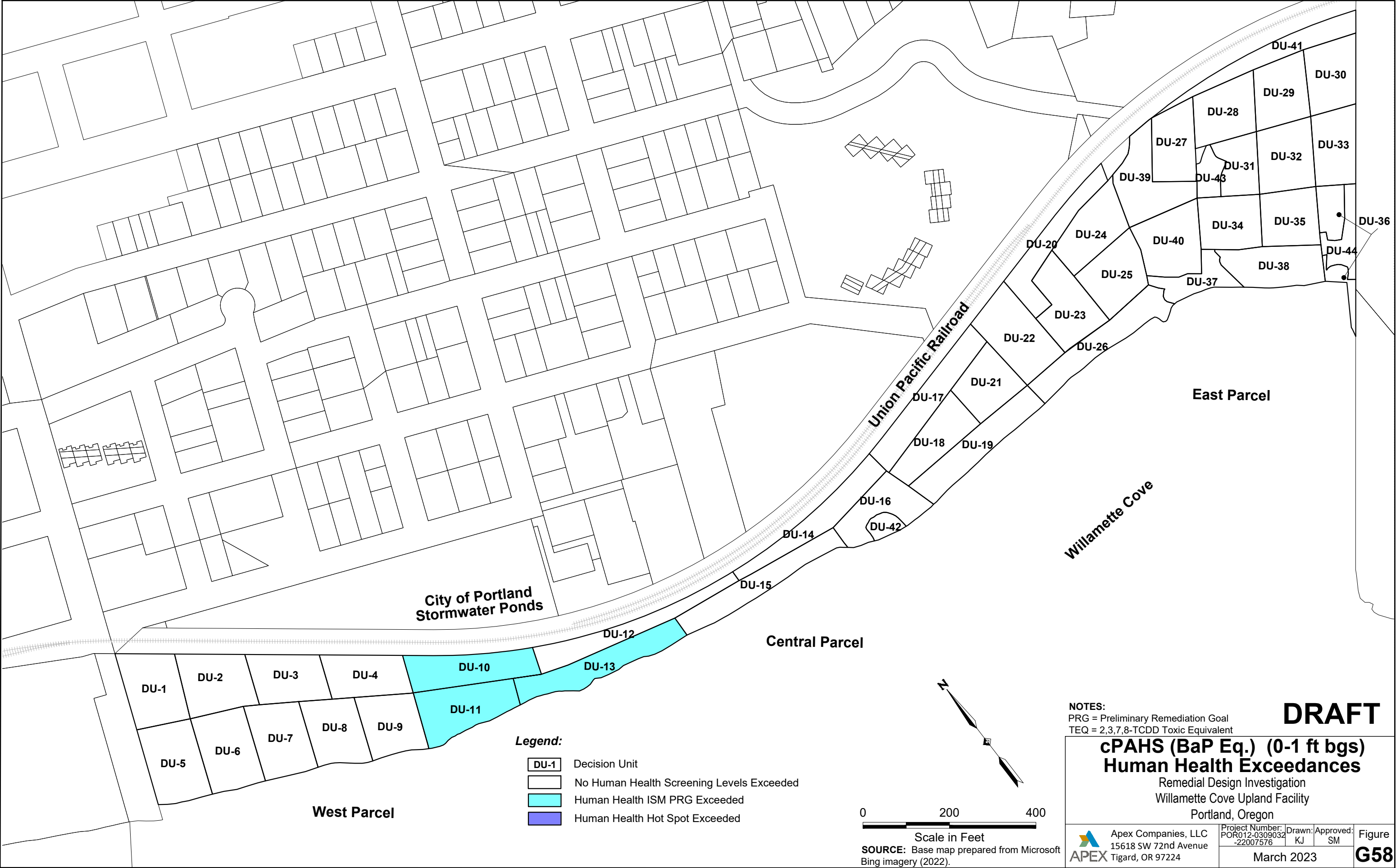
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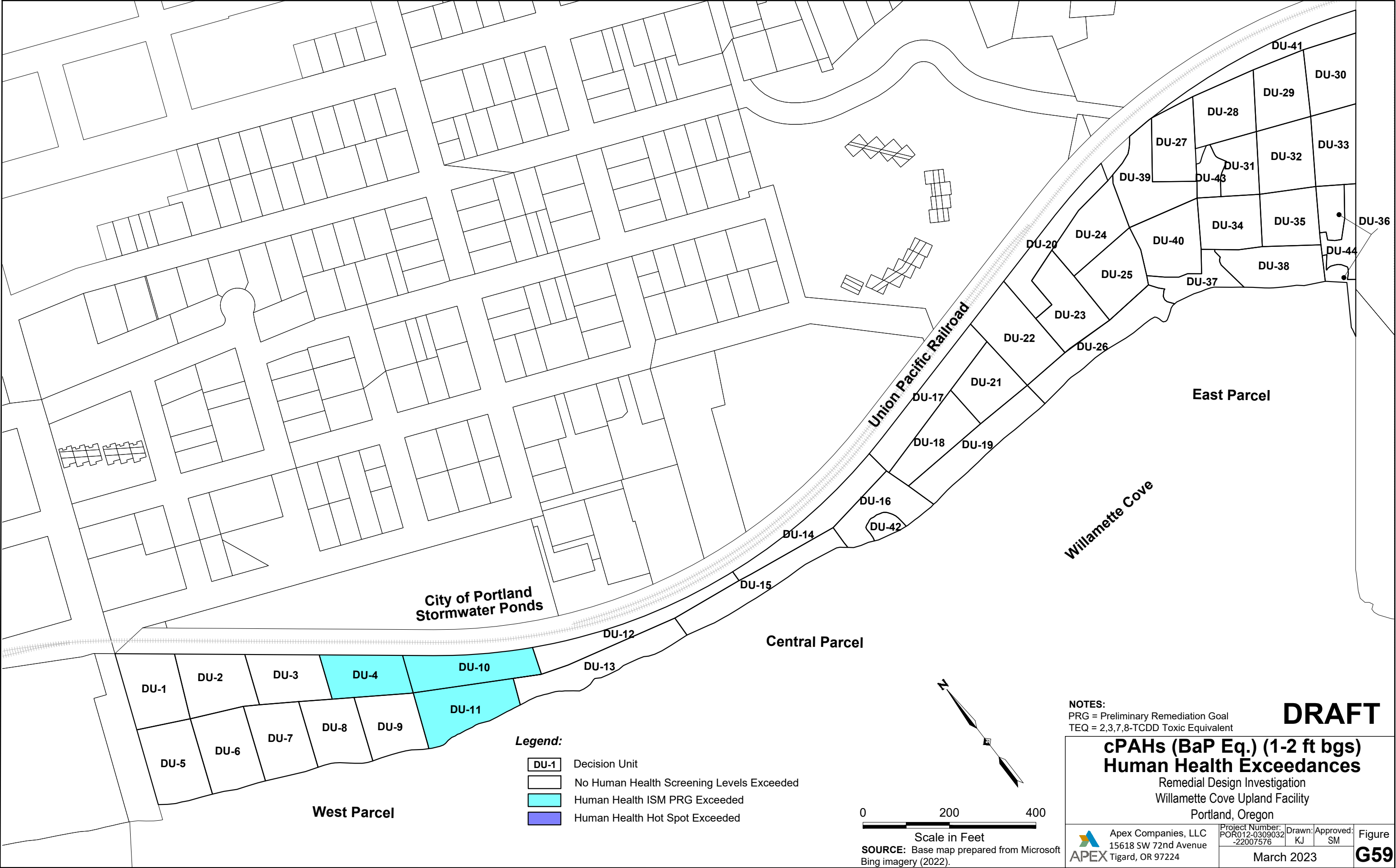




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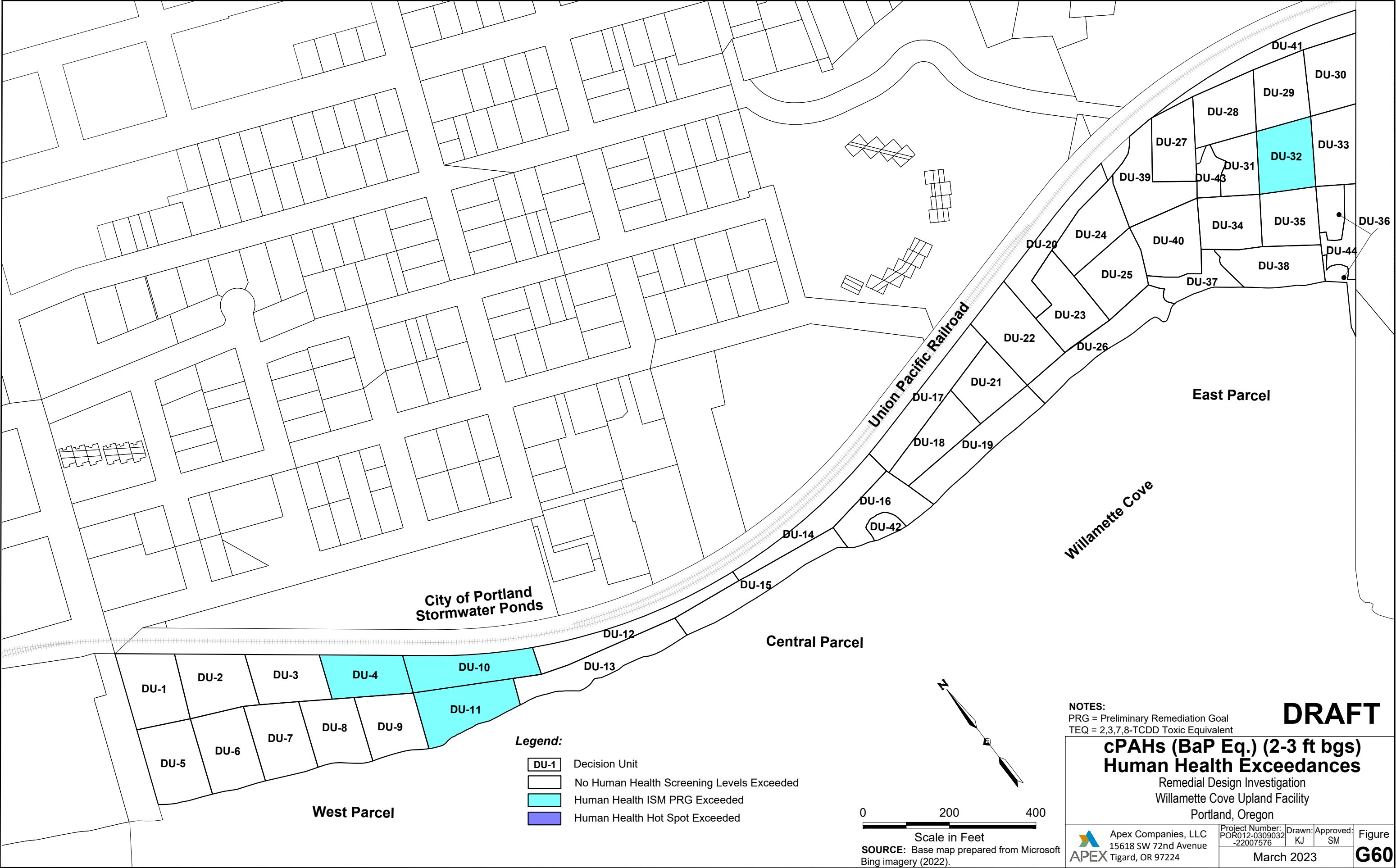


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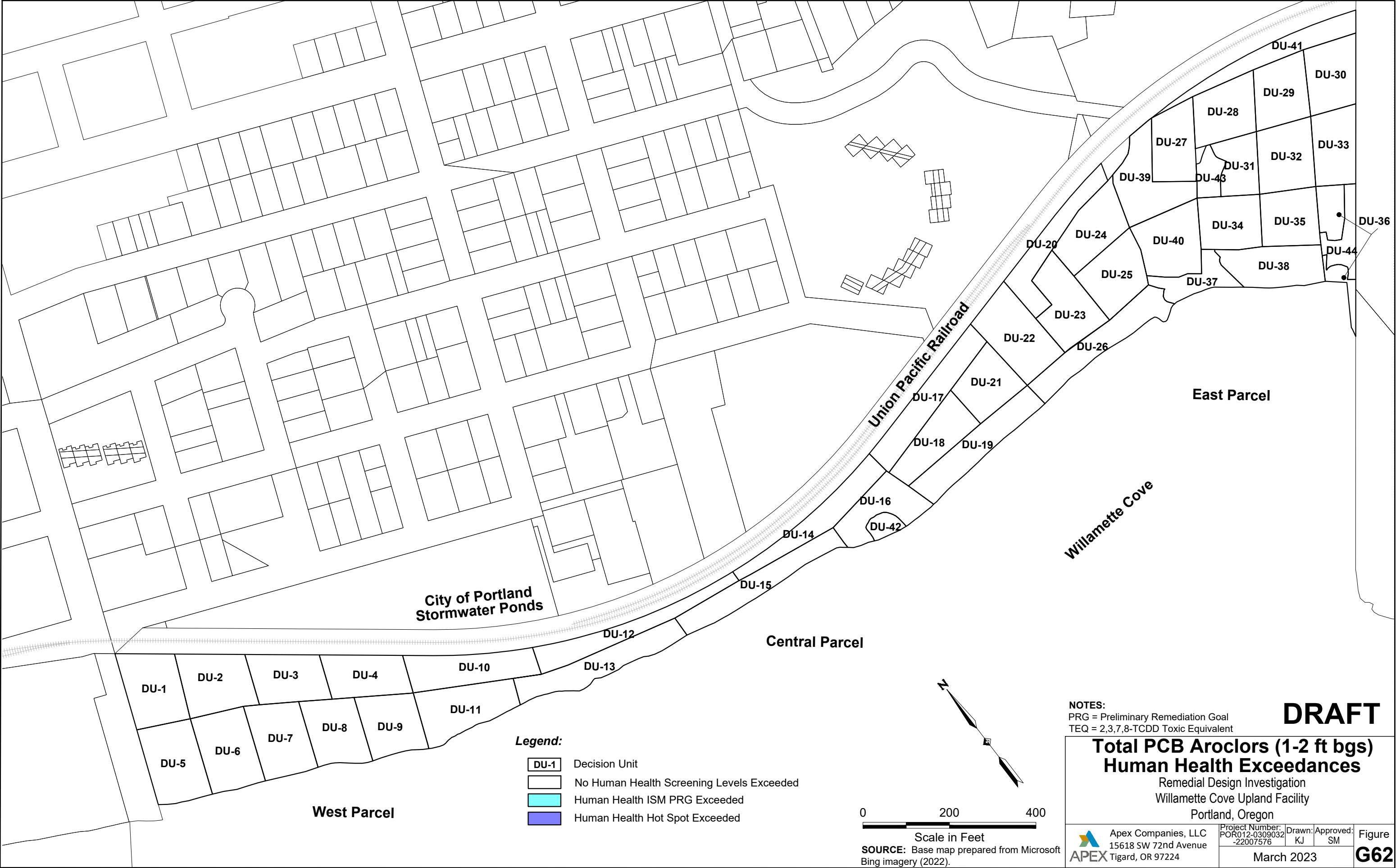


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Remedial Design Investigation  
Willamette Cove Upland Facility  
Portland, Oregon

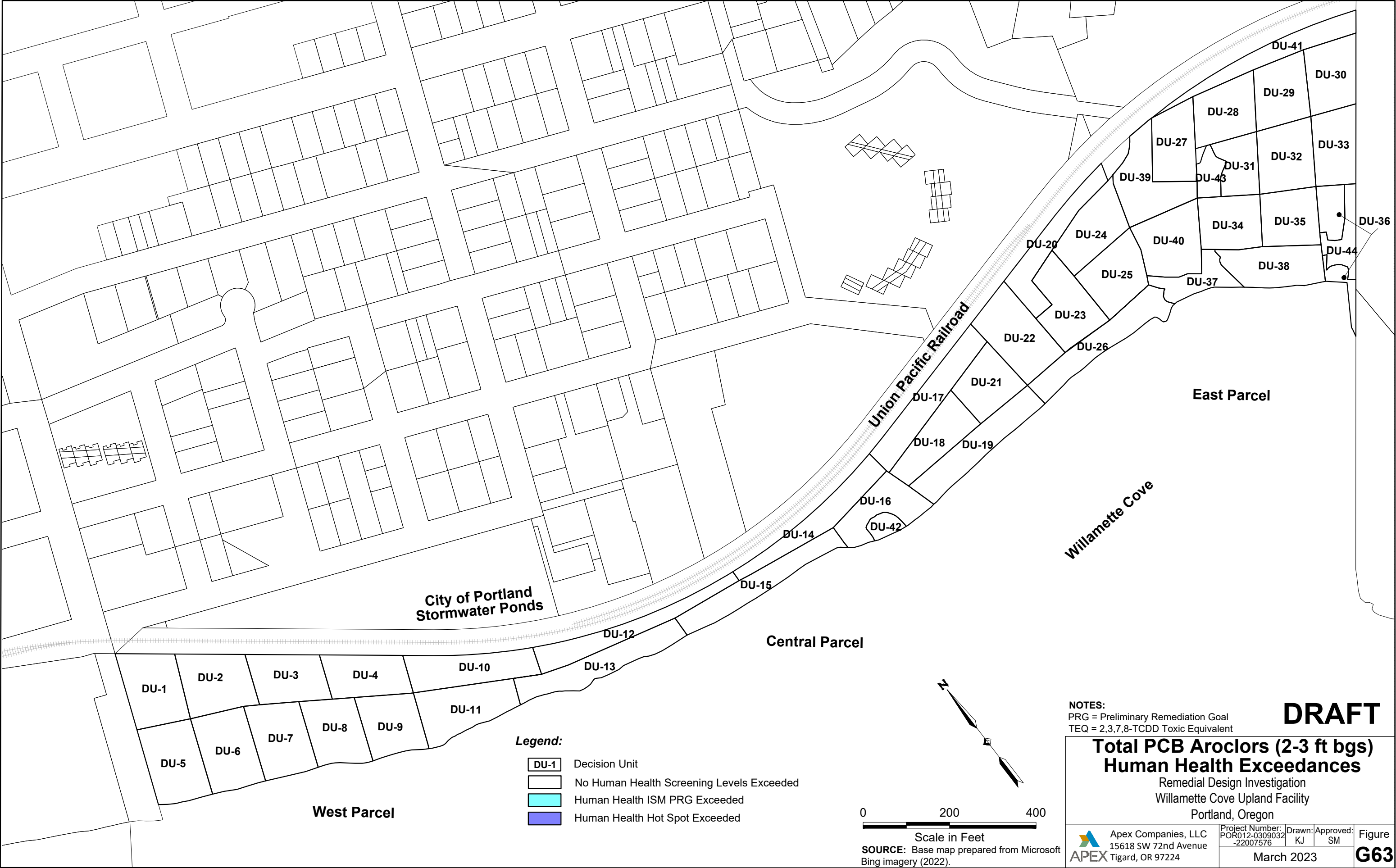
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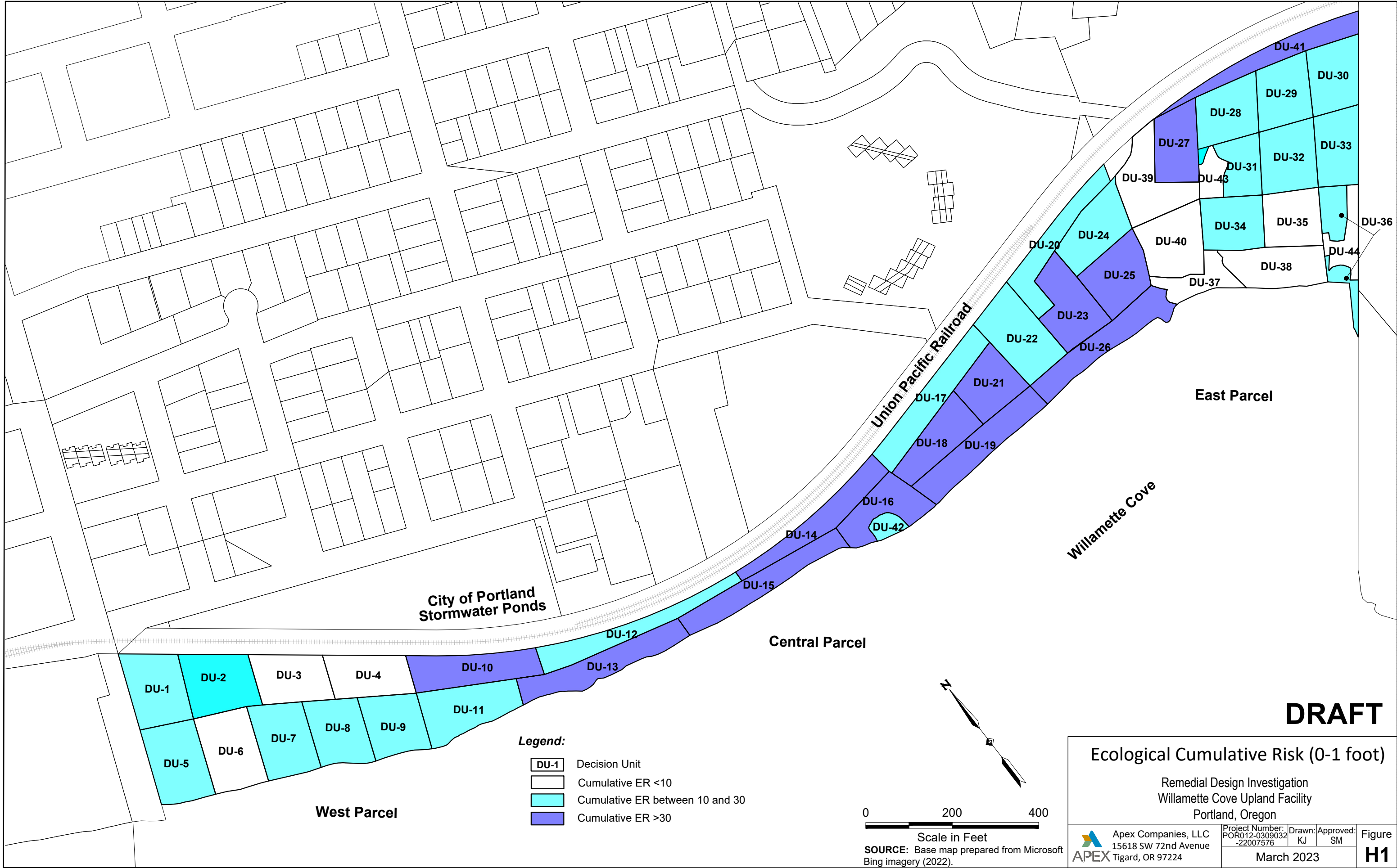


## ***Appendix H***

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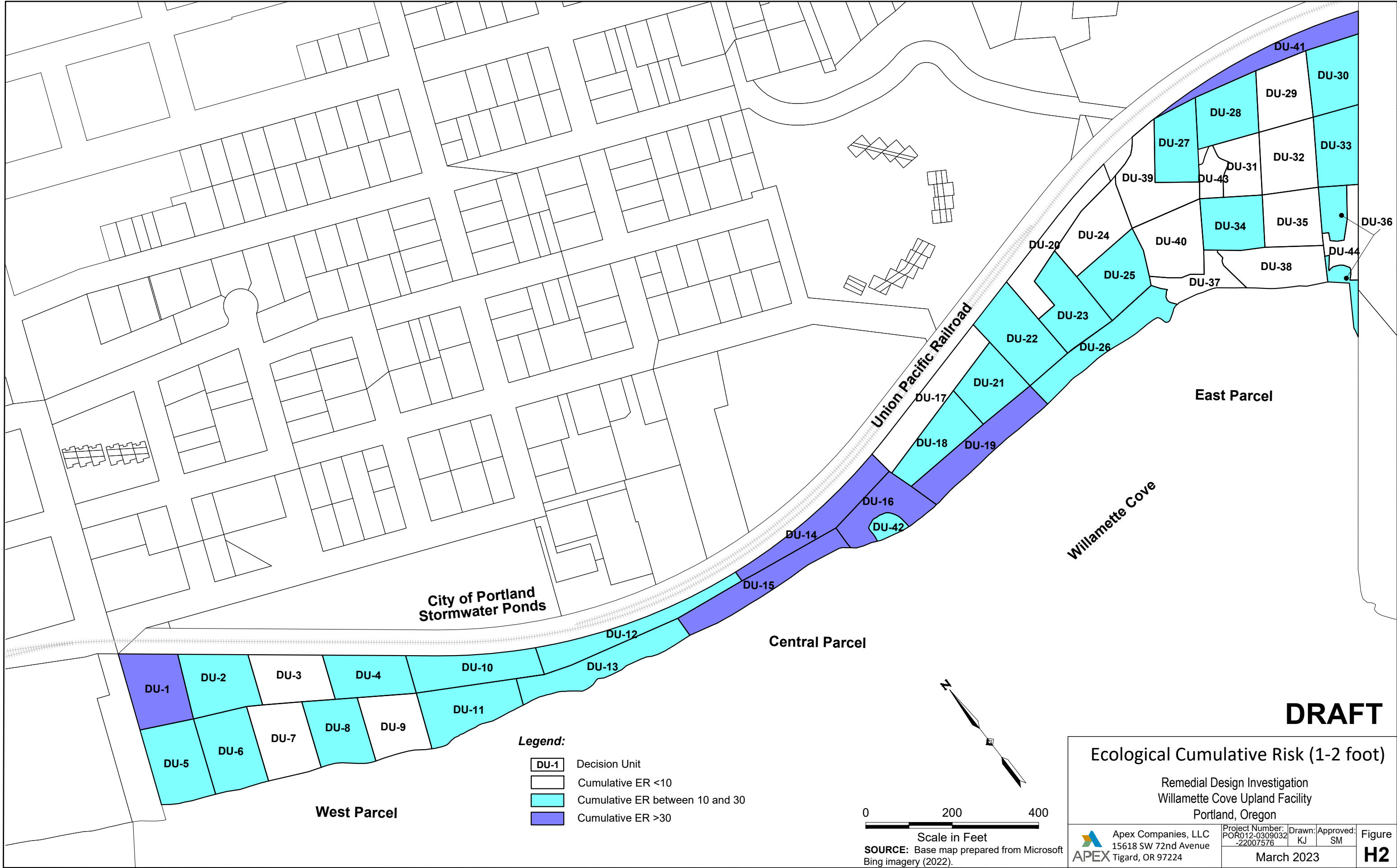
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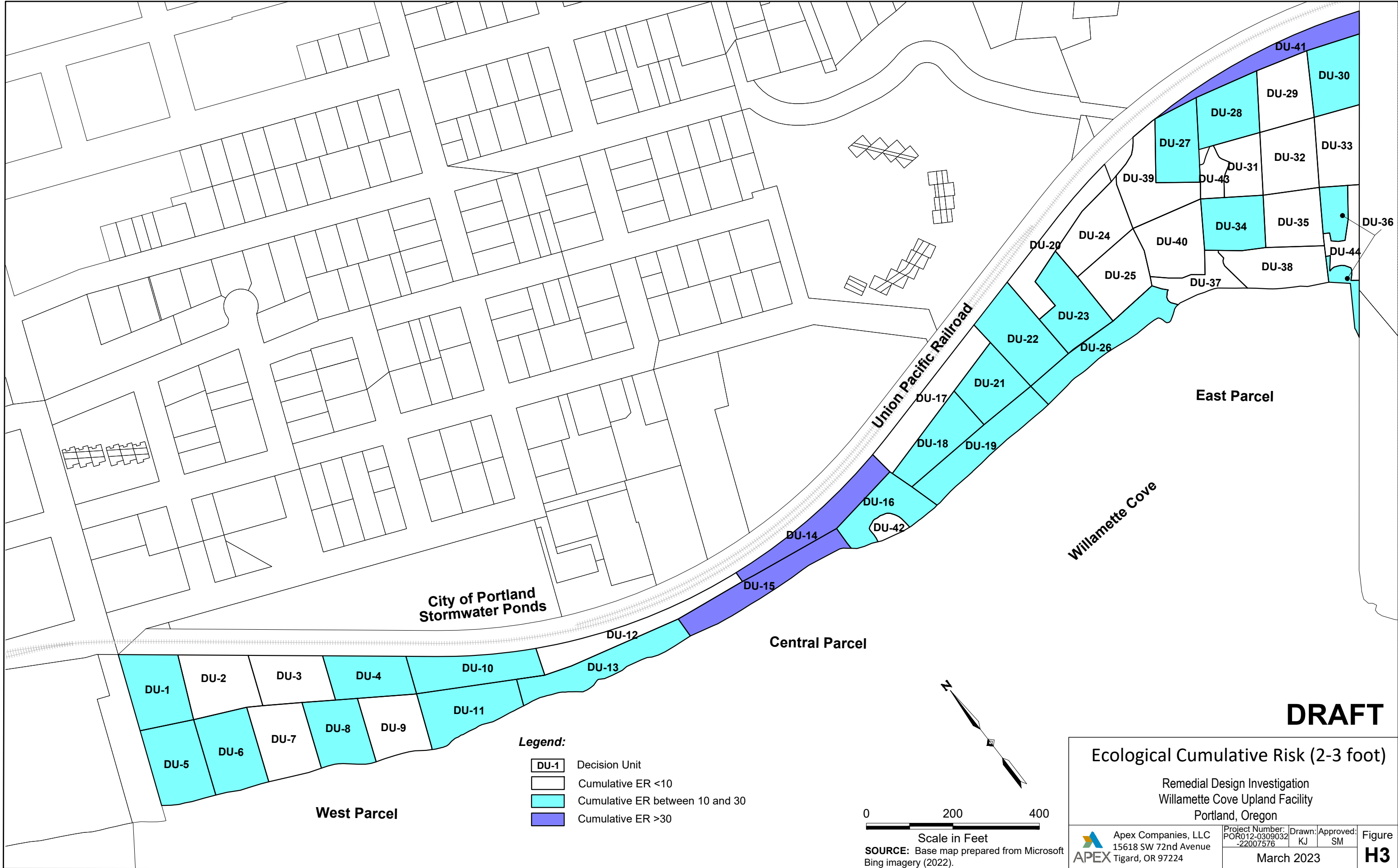




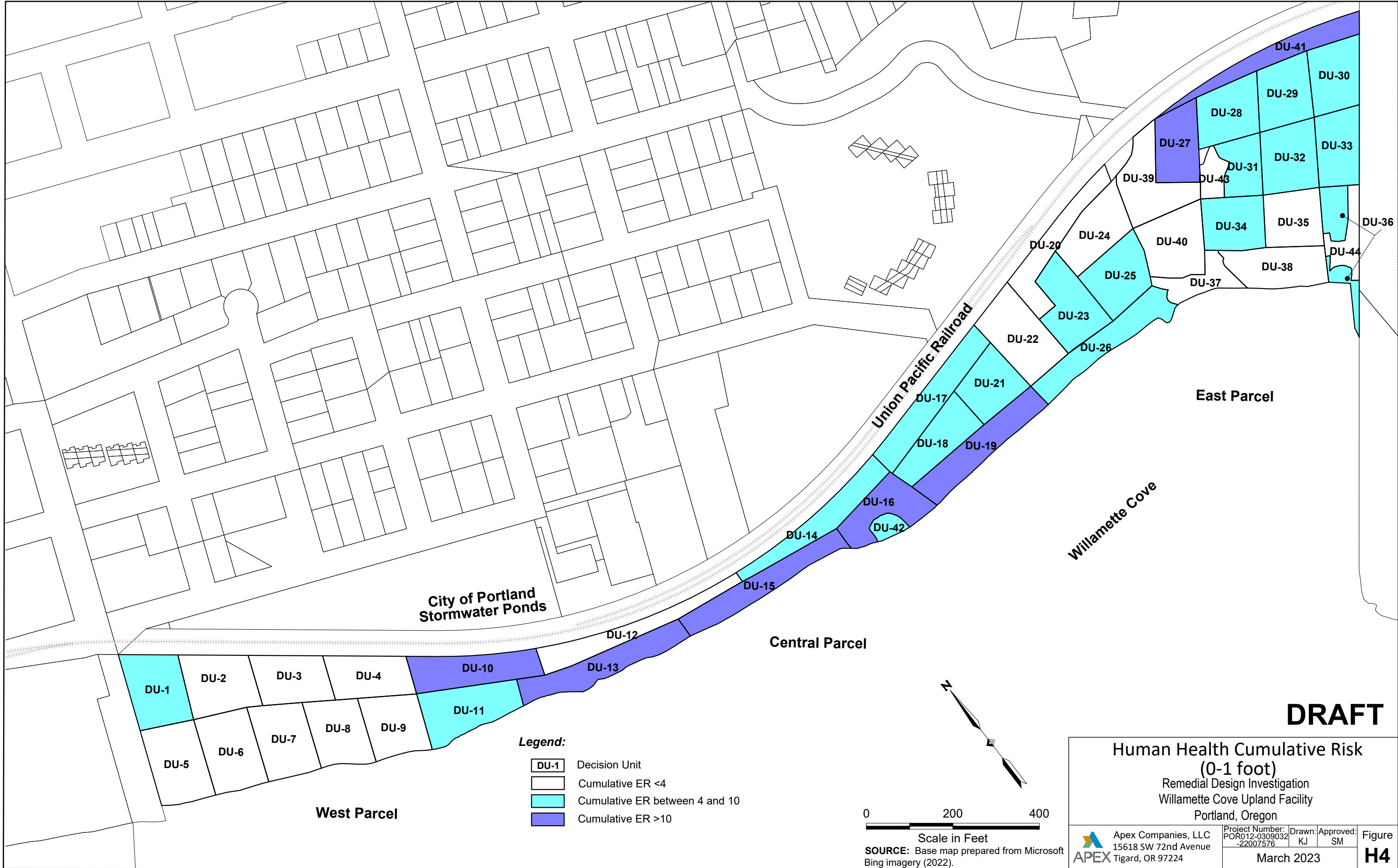
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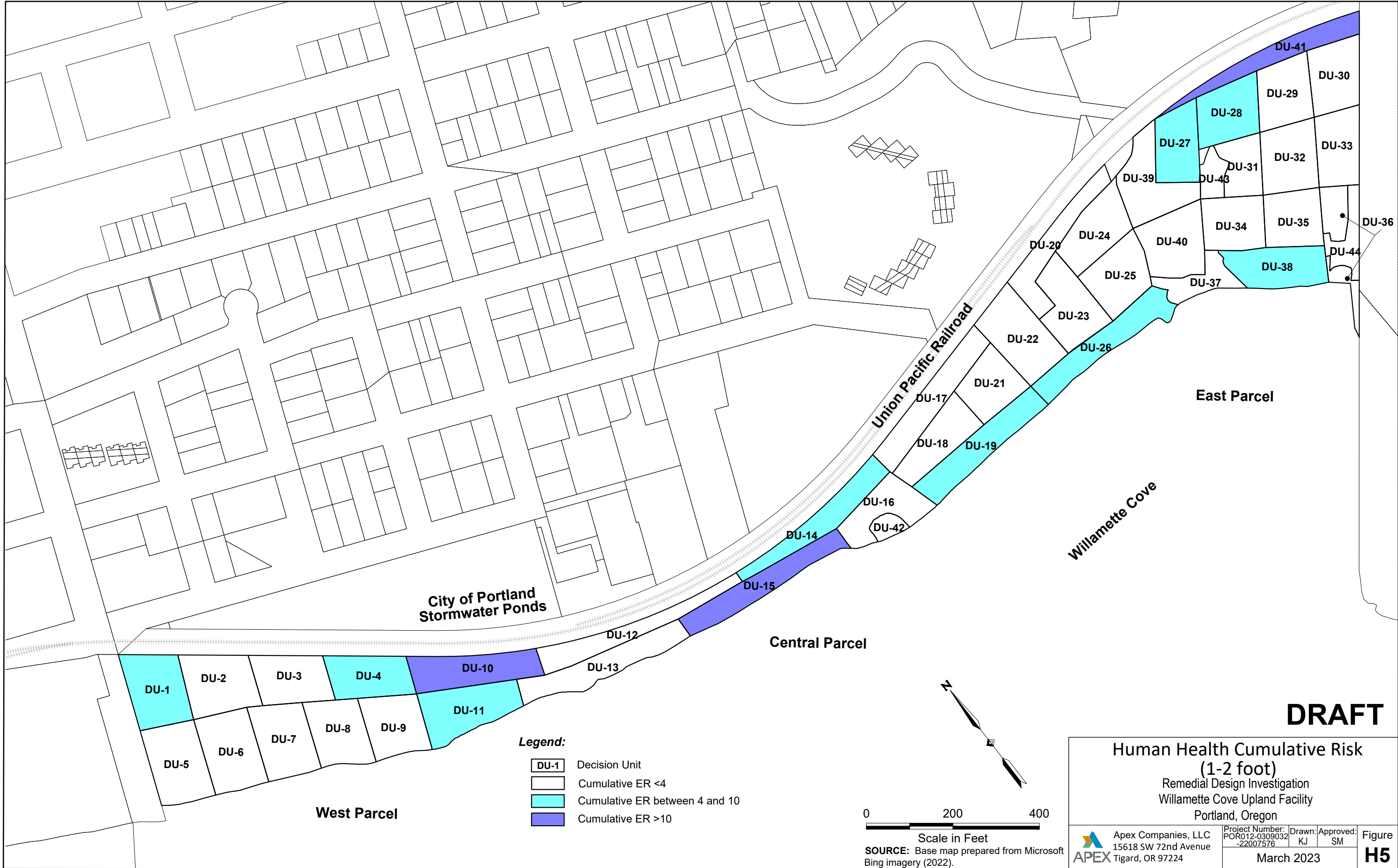


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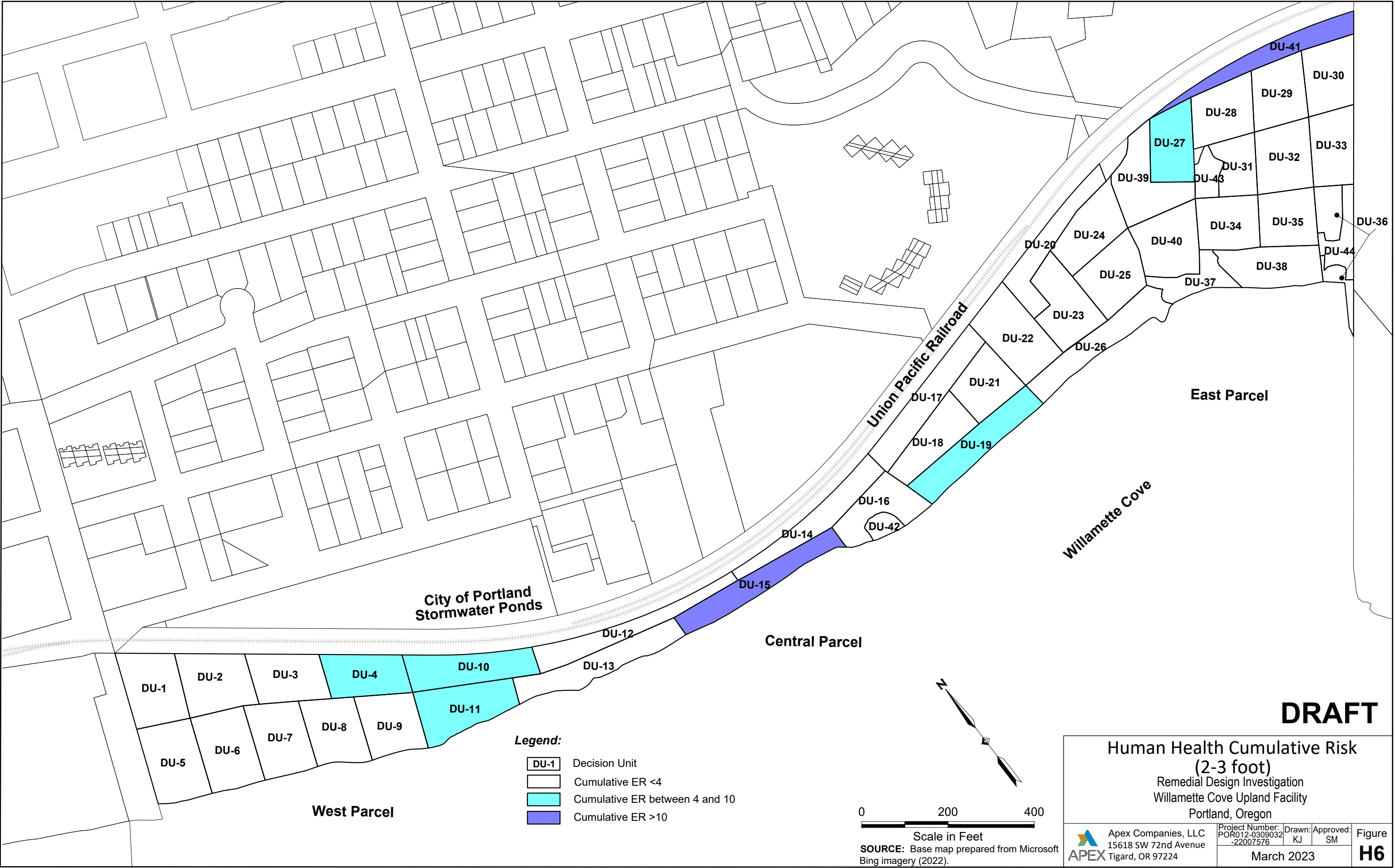




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## ***Appendix I***

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### **Field Replicate Data and Relative Standard Deviation Results**



Table I-1

## Soil Results - Metals Field Replicate Statistics and Evaluation

Willamette Cove Upland Facility

Portland, Oregon

DRAFT

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	Metals by EPA Method 6020B								
						Concentrations in mg/kg								
						Antimony	Arsenic	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Zinc
West	DU-5	ISM	0-1	DU-5 (0-1)A	7/22/2022	0.992 J-	8.89	52.3	344	62.1 J	0.110	31.9 J	0.369 J	191
			0-1 FR	DU-5 (0-1)B	7/22/2022	0.853	8.98	46.2	303	50.8	0.104	31.2	0.341 J	211
			0-1 FR	DU-5 (0-1)C	7/22/2022	0.944	8.43	50.6	308	57.2	0.352	32.6	0.316 J	197
			Mean Concentration			0.930 J	8.77	49.7	318	56.7 J	0.189 J	31.9 J	0.342 J	200
			RSD			6.20%	2.75%	5.17%	5.74%	8.16%	61.2%	1.79%	6.33%	4.20%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Poor	Very Good	Very Good	Very Good
			Adjusted Result for DU-5 (0-1)			0.930 J	8.77	49.7	318	56.7 J	0.352	31.9 J	0.342 J	200
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed
			1-2	DU-5 (1-2)A	7/25/2022	0.551	7.47	41.4	237	70.5	0.111	27.6	0.335 J	157
			1-2 FR	DU-5 (1-2)B	7/25/2022	0.832	8.09	41.2	223	51.8	0.131	29.5	0.326 J	179
			1-2 FR	DU-5 (1-2)C	7/25/2022	0.572	7.18	42.9	220	53.7	0.369	58.9	0.317 J	167
			Mean Concentration			0.652	7.58	41.8	227	58.7	0.204 J	38.7	0.326 J	168
			RSD			19.6%	5.01%	1.81%	3.27%	14.3%	57.5%	37.1%	2.25%	5.36%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Poor	Good	Very Good	Very Good
			Adjusted Result for DU-5 (1-2)			0.652	7.58	41.8	227	58.7	0.369	38.7	0.326 J	168
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed
			2-3	DU-5 (2-3)A	7/26/2022	0.426 J	6.73	38.4	159	55.9	0.153	27.1	0.309 J	147
			2-3 FR	DU-5 (2-3)B	7/26/2022	0.596	6.29	36.8	144	68.1	0.107	26.2	0.300 J	224
			2-3 FR	DU-5 (2-3)C	7/26/2022	0.479 J	6.56	47.1	214	118	0.273	31.3	0.304 J	195
			Mean Concentration			0.500 J	6.53	40.8	172	80.7	0.178	28.2	0.304 J	189
			RSD			14.2%	2.78%	11.10%	17.5%	33.3%	39.4%	7.88%	1.21%	16.8%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Good	Very Good	Very Good	Very Good
			Adjusted Result for DU-5 (2-3)			0.500 J	6.53	40.8	172	80.7	0.178	28.2	0.304 J	189
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed

Please see notes at end of table.

Table I-1  
Soil Results - Metals Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

DRAFT

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	Metals by EPA Method 6020B									
						Concentrations in mg/kg									
						Antimony	Arsenic	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Zinc	
Central	DU-11	ISM	0-1	DU-11 (0-1)A	8/10/2022	0.545 U	4.60	23.6	38.5	53.1	0.721	29.3	0.545 U	116	
			0-1 FR	DU-11 (0-1)B	8/10/2022	0.520 U	3.98	19.9	35.0	56.1	0.687	25.6	0.520 U	104	
			0-1 FR	DU-11 (0-1)C	8/10/2022	0.541 U	4.14	22.2	36.7	50.6	0.726	26.5	0.541 U	110	
			Mean Concentration			0.545 U	4.24	21.9	37	53.3	0.711	27.1	0.545 U	110	
			RSD			Not Detected	6.20%	6.97%	3.89%	4.22%	2.4%	5.81%	Not Detected	4.45%	
			RSD Evaluation			Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good	
			Adjusted Result for DU-11 (0-1)			0.545 U	4.24	21.9	36.7	53.3	0.711	27.1	0.545 U	110	
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	
			1-2	DU-11 (1-2)A	8/10/2022	0.535 U	3.93	21.4	33.0	42.8	0.504	27.0	0.535 U	90.1	
			1-2 FR	DU-11 (1-2)B	8/10/2022	0.508 U	4.08	21.6	34.2	44.4	0.563	27.3	0.508 U	93.1	
			1-2 FR	DU-11 (1-2)C	8/10/2022	0.520 U	4.15	22.0	37.3	49.0	0.633	28.2	0.520 U	99.5	
			Mean Concentration			0.535 U	4.05	21.7	35	45.4	0.567	27.5	0.535 U	94	
			RSD			Not Detected	2.26%	1.15%	5.20%	5.79%	9.30%	1.85%	Not Detected	4.16%	
			RSD Evaluation			Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good	
			Adjusted Result for DU-11 (1-2)			0.535 U	4.05	21.7	34.8	45.4	0.567	27.5	0.535 U	94.2	
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	
			2-3	DU-11 (2-3)A	8/10/2022	0.526 U	4.23	22.0	32.2	41.0	0.382	26.1	0.526 U	95.0	
			2-3 FR	DU-11 (2-3)B	8/10/2022	0.522 U	4.19	21.0	35.2	43.3	0.604	26.4	0.522 U	95.0	
			2-3 FR	DU-11 (2-3)C	8/10/2022	0.497 U	3.90	20.2	35.1	34.5	0.590	25.8	0.497 U	86.5	
			Mean Concentration			0.526 U	4.11	21.1	34	39.6	0.525	26.1	0.526 U	92	
			RSD			Not Detected	3.58%	3.50%	4.07%	9.41%	19.3%	0.939%	Not Detected	4.35%	
			RSD Evaluation			Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good	
			Adjusted Result for DU-11 (2-3)			0.526 U	4.11	21.1	34.2	39.6	0.525	26.1	0.526 U	92.2	
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	

Please see notes at end of table.

Table I-1

## Soil Results - Metals Field Replicate Statistics and Evaluation

Willamette Cove Upland Facility

Portland, Oregon

DRAFT

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	Metals by EPA Method 6020B								
						Concentrations in mg/kg								
						Antimony	Arsenic	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Zinc
Central	DU-13	ISM	0-1	DU-13 (0-1)A	8/29/2022	0.792 J	6.04	14.2	94.3	241	1.15	21.4	0.563 U	204
			0-1 FR	DU-13 (0-1)B	8/29/2022	0.562 U	5.53	14.2	60.4	180	0.895	19.6	0.562 U	155
			0-1 FR	DU-13 (0-1)C	8/29/2022	0.923 J	5.41	14.1	55.5	199	0.848	19.4	0.541 U	155
			Mean Concentration			0.759 J	5.66	14.2	70.1	207	0.964	20.1	0.563 U	171
			RSD			19.7%	4.83%	0.333%	24.6%	12.3%	13.8%	4.47%	Not Detected	13.5%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Statistically Adjusted Result for			0.759 J	5.66	14.2	70.1	207	0.964	20.1	0.563 U	171
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-13 (1-2)A	8/30/2022	0.513 U	4.79	13.8	53.0	86.5	0.785	18.6	0.513 U	109
			1-2 FR	DU-13 (1-2)B	8/30/2022	0.520 U	4.61	13.7	43.7	92.3	0.572	18.4	0.520 U	103
			1-2 FR	DU-13 (1-2)C	8/30/2022	0.540 U	4.72	13.8	44.7	154	0.614	18.1	0.540 U	128
			Mean Concentration			0.540 U	4.71	13.8	47.1	111	0.657	18.4	0.54 U	113
			RSD			Not Detected	1.57%	0.34%	8.84%	27.53%	14.0%	1.12%	Not Detected	9.40%
			RSD Evaluation			Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-13 (1-2)			0.540 U	4.71	13.8	47.1	111	0.657	18.4	0.540 U	113
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-13 (2-3)A	8/31/2022	0.562 U	3.75	12.6	43.3	175	0.745	18.4	0.562 U	127
			2-3 FR	DU-13 (2-3)B	8/31/2022	0.522 U	3.89	12.6	40.6	92.4	0.698	17.3	0.522 U	90.6
			2-3 FR	DU-13 (2-3)C	8/31/2022	0.548 U	4.04	12.6	54.2	94.6	0.769	17.7	0.548 U	97.3
			Mean Concentration			0.562 U	3.89	12.6	46.0	121	0.737	17.8	0.562 U	105
			RSD			Not Detected	3.04%	0.00%	12.8%	31.8%	4.00%	2.55%	Not Detected	15.1%
			RSD Evaluation			Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-13 (2-3)			0.562 U	3.89	12.6	46.0	121	0.737	17.8	0.562 U	105
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
	DU-16	ISM	0-1	DU-16 (0-1)A	9/12/2022	4.29	8.31	24.8	93.4 J+	237	2.43	25.6	0.543 U	371
			0-1 FR	DU-16 (0-1)B	9/12/2022	2.31	7.56	26.6	131 J+	265	5.12	28.1	0.494 U	355
			0-1 FR	DU-16 (0-1)C	9/12/2022	3.04	7.89	17.9	127 J+	306	3.87	23.2	0.539 U	283
			Mean Concentration			3.21	7.92	23.1	117 J	269	3.81	25.6	0.543 U	336
			RSD			25.4%	3.88%	16.2%	14.4%	10.5%	28.9%	7.80%	Not Detected	11.4%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-16 (0-1)			3.21	7.92	23.1	117 J+	269	3.81	25.6	0.543 U	336
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed

Please see notes at end of table.



Table I-1  
Soil Results - Metals Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

DRAFT

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	Metals by EPA Method 6020B								
						Concentrations in mg/kg								
						Antimony	Arsenic	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Zinc
Central	DU-18	ISM	0-1	DU-18 (0-1)A	9/29/2022	0.874 J	6.99	22.1	71.0	198	0.965	22.5	0.531 U	146
			0-1 FR	DU-18 (0-1)B	9/29/2022	1.41	10.9	22.8	111	198	1.72	23.5	0.505 U	173
			0-1 FR	DU-18 (0-1)C	9/29/2022	1.06	8.94	20.8	87.7	280	1.20	23.3	0.499 U	204
			Mean Concentration			1.11 J	8.94	21.9	89.9	225	1.30	23.1	0.531 U	174
			RSD			19.9%	17.8%	3.78%	18.2%	17.2%	24.4%	1.87%	Not Detected	13.6%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-18 (0-1)			1.11 J	8.94	21.9	89.9	225	1.30	23.1	0.531 U	174
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-18 (1-2)A	9/30/2022	0.491 U	5.38	14.0	58.2	179	0.806	18.3	0.491 U	156
			1-2 FR	DU-18 (1-2)B	9/30/2022	0.495 U	5.98	15.3	79.5	150	1.06	21.8	0.495 U	158
			1-2 FR	DU-18 (1-2)C	9/30/2022	0.490 U	6.22	14.3	77.7	119	0.985	18.3	0.490 U	133
			Mean Concentration			0.495 U	5.86	14.5	71.8	149	0.950	19.5	0.495 U	149
			RSD			Not Detected	6.03%	3.82%	13.4%	16.4%	11.2%	8.48%	Not Detected	7.61%
			RSD Evaluation			Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-18 (1-2)			0.495 U	5.86	14.5	71.8	149	0.950	19.5	0.495 U	149
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-18 (2-3)A	10/3/2022	0.502 U	3.77	11.9	30.8	55.4	0.296	16.6	0.502 U	94.4
			2-3 FR	DU-18 (2-3)B	10/3/2022	0.489 U	5.31	13.0	59.9	92.3	0.681	17.8	0.489 U	105
			2-3 FR	DU-18 (2-3)C	10/3/2022	0.489 U	5.63	13.9	53	75.2	0.679	18.3	0.497 J	118
			Mean Concentration			0.502 U	4.90	12.9	47.9	74.3	0.552	17.6	0.496 J	106
			RSD			Not Detected	0.166	6.32%	0.259	0.203	32.8%	4.06%	1.08%	9.12%
			RSD Evaluation			Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
			Adjusted Result for DU-18 (2-3)			0.502 U	4.90	12.9	47.9	74.3	0.552	17.6	0.496 J	106
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed

Please see notes at end of table.

Table I-1

## Soil Results - Metals Field Replicate Statistics and Evaluation

Willamette Cove Upland Facility

Portland, Oregon

DRAFT

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	Metals by EPA Method 6020B								
						Concentrations in mg/kg								
						Antimony	Arsenic	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Zinc
Central	DU-22	ISM	0-1	DU-22 (0-1)A	10/13/2022	2.89	6.48	19	82.3	129	0.592	21	0.53 U	167
			0-1 FR	DU-22 (0-1)B	10/13/2022	2.79	5.77	18	86.7	148	0.602	21.4	0.506 U	169
			0-1 FR	DU-22 (0-1)C	10/13/2022	2.03	5.83	19.6	96.6	190	0.43	23.2	0.538 U	178
			Mean Concentration			2.57	6.03	18.9	88.5	156	0.541	21.9	0.538 U	171
			RSD			14.9%	5.33%	3.50%	6.75%	16.37%	14.6%	4.38%	Not Detected	2.79%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-22 (0-1)			2.57	6.03	18.9	88.5	156	0.541	21.9	0.538 U	171
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-22 (1-2)A	10/14/2022	0.922 J	4.41	17.4	31.7	47.8	0.231	21.1	0.494 U	125 J-
			1-2 FR	DU-22 (1-2)B	10/14/2022	2.63	4.33	16.1	47.4	72.3	0.349	20.8	0.512 U	109
			1-2 FR	DU-22 (1-2)C	10/14/2022	2.04	4.53	18.8	44.8	65.4	0.161	22.6	0.497 U	164
			Mean Concentration			1.864 J	4.42	17.4	41.3	61.8	0.247	21.5	0.512 U	133 J
			RSD			0.380	1.86%	6.32%	0.166	0.167	31.4%	3.66%	Not Detected	0.174
			RSD Evaluation			Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-22 (1-2)			1.86 J	4.423	17.4	41.3	61.8	0.247	21.5	0.512 U	133 J-
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-22 (2-3)A	10/14/2022	0.731 J	4.45	17.2	29.4	51.9	0.19	20.2	0.499 U	96.5
			2-3 FR	DU-22 (2-3)B	10/14/2022	0.839 J	4.43	18	54	57.5	0.376	21.4	0.509 U	98.6
			2-3 FR	DU-22 (2-3)C	10/14/2022	1.09 J	3.92	16	32.6	43.4	0.355	20.8	0.557 U	123
			Mean Concentration			0.887 J	4.27	17.1	38.7	50.9	0.307	20.8	0.557 U	106
			RSD			0.170	5.75%	4.82%	28.24%	0.114	27.1%	2.36%	Not Detected	0.113
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-22 (2-3)			0.887 J	4.27	17.1	38.7	50.9	0.307	20.8	0.557 U	106
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed

Please see notes at end of table.

Table I-1

## Soil Results - Metals Field Replicate Statistics and Evaluation

Willamette Cove Upland Facility

Portland, Oregon

DRAFT

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	Metals by EPA Method 6020B								
						Concentrations in mg/kg								
						Antimony	Arsenic	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Zinc
Central	DU-26	ISM	0-1	DU-26 (0-1)A	11/9/2022	3.22	9.5	18.8	152	330	1.95	20.7	0.605 J	260
			0-1 FR	DU-26 (0-1)B	11/9/2022	4.79	9.01	17.1	129	302	1.28	19.4	0.502 J	244
			0-1 FR	DU-26 (0-1)C	11/9/2022	3.61	6.81	19.1	105	292	1.53	20.4	0.522 J	235
			Mean Concentration			3.87	8.44	18.3	129	308	1.5867	20.2	0.543 J	246
			RSD			0.172	0.139	4.80%	0.149	5.22%	17.4%	2.76%	8.21%	4.20%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good
			Adjusted Result for DU-26 (0-1)			3.87	8.44	18.3	129	308	1.59	20.2	0.543 J	246
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed
			1-2	DU-26 (1-2)A	11/10/2022	1.4	5.16	14.7	80.7	151	0.944	18.3	0.511 U	206
			1-2 FR	DU-26 (1-2)B	11/10/2022	0.728 J	4.61	13.2	48.5	121	0.397	17.2	0.558 J	182
			1-2 FR	DU-26 (1-2)C	11/10/2022	1.06	11.6	15.5	79.8	143	1.25	19.9	0.532 U	186
			Mean Concentration			1.06 J	7.12	14.5	69.7	138	0.864	18.5	0.534 J	191
			RSD			0.258	0.445	6.59%	0.215	9.17%	40.9%	6.00%	3.60%	5.49%
			RSD Evaluation			Very Good	Good	Very Good	Very Good	Very Good	Good	Very Good	Very Good	Very Good
			Adjusted Result for DU-26 (1-2)			1.06 J	7.12	14.5	69.7	138	0.864	18.5	0.534 J	191
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed
			2-3	DU-26 (2-3)A	11/11/2022	0.491 U	3.92	14.6	36.1	65.2	0.258	18.1	0.491 U	112
			2-3 FR	DU-26 (2-3)B	11/11/2022	0.521 U	4.33	12.4	41.6	59.8	0.82	18.3	0.521 U	108
			2-3 FR	DU-26 (2-3)C	11/11/2022	0.529 J	4.75	13.3	39.6	76.1	0.537	17.5	0.512 U	138
			Mean Concentration			0.514 J	4.33	13.4	39.1	67.0	0.538	18.0	0.521 U	119
			RSD			3.18%	7.82%	6.72%	5.81%	10.1%	42.6%	1.89%	Not Detected	0.111
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-26 (2-3)			0.514 J	4.333	13.4	39.1	67.0	0.538	18.0	0.521 U	119
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed

Please see notes at end of table.



Table I-1  
Soil Results - Metals Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

DRAFT

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	Metals by EPA Method 6020B								
						Concentrations in mg/kg								
						Antimony	Arsenic	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Zinc
East	DU-38	ISM	0-1	DU-38 (0-1)A	11/14/2022	1.31	3.69	13.1	27.7	30.5	0.039 J	16.5	0.486 U	109
			0-1 FR	DU-38 (0-1)B	11/14/2022	0.959 J	3.71	11.9	22.8	25.8	0.0454 J	15	0.534 U	107
			0-1 FR	DU-38 (0-1)C	11/14/2022	0.629 J	3.66	12.4	23.2	27.1	0.0431 J	16.3	0.536 U	110
			Mean Concentration			0.966 J	3.69	12.5	24.6	27.8	0.043 J	15.9	0.536 U	109
			RSD			0.288	0.557%	3.95%	9.04%	7.13%	6.2%	4.17%	Not Detected	1.15%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-38 (0-1)			0.966 J	3.687	12.5	24.6	27.8	0.043 J	15.9	0.536 U	108.667
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-38 (1-2)A	11/16/2022	0.661 J	3.2	10.7	18.3	19.3	0.0415 U	13.7	0.519 U	84.4
			1-2 FR	DU-38 (1-2)B	11/16/2022	4.88	3.76	10.9	56	76.7	0.0407 U	15.3	0.508 U	102
			1-2 FR	DU-38 (1-2)C	11/16/2022	1.84	3.35	12.3	23	31.4	0.0411 U	16	0.514 U	94.6
			Mean Concentration			2.46 J	3.44	11.3	32.4 J	42.5 J	0.042 U	15.0	0.519 U	93.7
			RSD			0.722	6.89%	6.30%	0.517	58.2%	Not Detected	6.42%	Not Detected	7.70%
			RSD Evaluation			Poor	Very Good	Very Good	Poor	Poor	Not Detected	Very Good	Not Detected	Very Good
			Adjusted Result for DU-38 (1-2)			4.88 J	3.437	11.3	56.0	76.7	0.042 U	15.0	0.519 U	93.7
			Statistically Adjusted Result for Associated DUs (1-2)			Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD	Adjust Upward Using RSD	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-38 (2-3)A	11/17/2022	0.998	3.58	13.5	30.3	19.9	0.0396 U	17.1	0.495 U	83.3
			2-3 FR	DU-38 (2-3)B	11/17/2022	3.71	3.63	12.7	51.4	51.3	0.039 U	16.5	0.487 U	108
			2-3 FR	DU-38 (2-3)C	11/17/2022	0.921 J	4.06	13.6	26	22.1	0.0421 U	16.8	0.527 U	107
			Mean Concentration			1.88 J	3.76	13.3	35.9	31.1	0.042 U	16.8	0.527 U	99.4
			RSD			0.691	5.74%	3.04%	30.9%	0.460	Not Detected	1.46%	Not Detected	0.115
			RSD Evaluation			Poor	Very Good	Very Good	Very Good	Good	Not Detected	Very Good	Not Detected	Very Good
			Adjusted Result for DU-38 (2-3)			3.71 J	3.757	13.3	35.9	31.1	0.042 U	16.8	0.527 U	99.4
			Statistically Adjusted Result for Associated DUs (2-3)			Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed

Please see notes at end of table.

Table I-1

## Soil Results - Metals Field Replicate Statistics and Evaluation

Willamette Cove Upland Facility

Portland, Oregon

DRAFT

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	Metals by EPA Method 6020B								
						Concentrations in mg/kg								
						Antimony	Arsenic	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Zinc
Soil Berms	DU-41	ISM	0-1	DU-41 (0-1)A	10/24/2022	0.695 J	5.65	16.9	52.5	83.8	0.0558 J	16	0.492 U	104
			0-1 FR	DU-41 (0-1)B	10/24/2022	1.68	12.2	16.8	67.5	78.4	0.0934	15.9	0.531 U	138
			0-1 FR	DU-41 (0-1)C	10/24/2022	2.81	50.1	16.3	78.6	75.4	0.262	16.5	0.491 U	139
			Mean Concentration			1.73 J	22.7 J	16.7	66.2	79.2	0.137 J	16.1	0.531 U	127
			RSD			0.500	86.5%	1.57%	0.162	4.39%	65.4%	1.63%	Not Detected	0.128
			RSD Evaluation			Good	Poor	Very Good	Very Good	Very Good	Poor	Very Good	Not Detected	Very Good
			Adjusted Result for DU-41 (0-1)			1.73 J	50.1	16.7	66.2	79.2	0.262 J	16.1	0.531 U	127
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-41 (1-2)A	10/26/2022	2.39	10.6	20.7	62	129	0.108	18.4	0.509 U	147
			1-2 FR	DU-41 (1-2)B	10/26/2022	1.4	11.1	18.1	52.4	112	0.105	17.7	0.501 U	165
			1-2 FR	DU-41 (1-2)C	10/26/2022	1.88	14.1	18.5	71.1	126	0.0878	18.3	0.514 U	157
			Mean Concentration			1.89	11.9	19.1	62	122	0.100	18.1	0.514 U	156
			RSD			0.214	0.130	5.98%	0.123	6.06%	8.9%	1.70%	Not Detected	4.71%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-41 (1-2)			1.89	11.9	19.1	61.8	122	0.100	18.1	0.514 U	156
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-41 (2-3)A	10/28/2022	1.49	19.6	21.7	43.6	107	0.0732 J	21.1	0.505 U	161
			2-3 FR	DU-41 (2-3)B	10/28/2022	1.29	10.7	20.1	42	47.5	0.0523 J	21.3	0.505 U	160
			2-3 FR	DU-41 (2-3)C	10/28/2022	1.69	11.6	21.4	45.2	109	0.0528 J	21.7	0.511 U	182
			Mean Concentration			1.49	14.0	21.1	43.6	87.8	0.059 J	21.4	0.511 U	168
			RSD			0.110	0.286	3.30%	3.00%	0.325	16.4%	1.17%	Not Detected	6.05%
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good
			Adjusted Result for DU-41 (2-3)			1.49	14.0	21.1	43.6	87.8	0.059 J	21.4	0.511 U	168
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed

## Notes:

ISM = Incremental Sampling Methodology.

bgs = Below ground surface.

EPA = United States Environmental Protection Agency.

FR = Field replicate. Field replicates are collected at different locations within the same ISM cell as the primary sample.

mg/kg = Milligrams per kilogram (parts per million).

Mean Concentration = Arithmetic mean calculation for the field replicates. Mean concentrations are calculated using the detection limit (DL) if the target analyte is not detected.

If all the three field replicates are not detected for the target analyte, then the maximum DL is used for the final result.

RSD = Relative Standard Deviation. RSDs are calculated using the DL if the target analyte is not detected.

RSD Evaluation = RSD ≤35% is "Very Good" precision, RSD &gt;35% but ≤50% is "Good" precision, RSD &gt;50% but ≤100% is "Poor" precision, RSD &gt;100% is "Very Poor" precision.

U = Analyte was not detected.

J = Result is estimated.

Please see notes at end of the table.

Remedial Design Investigation	
Willamette Cove Upland, Part of Portland	22007576



Please see notes at end of the table.

Please see notes at end of the table.

Remedial Design Investigation	
Willamette Cove Upland, Part of Portland	22007576

**Notes:**  
 ISM = Incremental Sampling Methodology.  
 bgs = Below ground surface.  
 EPA = United States Environmental Protection Agency.  
 FR = Field replicate. Field replicates are collected at different locations within the same ISM cell as the primary sample.  
 pg/g = Picograms per gram (parts per trillion).  
 Total D/F TEQ = Total 2,3,7,8-tetrachlorodibenzo-p-dioxin toxic equivalent  
 Mean Concentration = Arithmetic mean calculation for the field replicates. Mean concentrations are calculated using the detection limit (DL) if the target analyte is not detected. If all the three field replicates are not detected for the target analyte, then the maximum DL is used for the final result.  
 RSD = Relative Standard Deviation. RSDs are calculated using the DL if the target analyte is not detected.  
 RSD Evaluation = RSD ≤35% is "Very Good" precision, RSD >35% but ≤50% is "Good" precision, RSD >50% but ≤100% is "Poor" precision, RSD >100% is "Very Poor" precision.  
 U = Analyte was not detected.  
 J = Result is estimated.



Table I-3  
Soil Results - PCB Aroclors Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PCBs by EPA Method 8082A									
						Concentrations in µg/kg									
						Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB Aroclors
West	DU-5	ISM	0-1	DU-5 (0-1)A	7/22/2022	4.99 U	4.99 U	4.99 U	5.67 J	4.99 U	38.9 J	28.0 J	4.99 U	4.99 U	87.5 J
			0-1 FR	DU-5 (0-1)B	7/22/2022	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	23.9 J	32.5 J	4.71 U	4.71 U	72.9 J
			0-1 FR	DU-5 (0-1)C	7/22/2022	5.04 U	10.1 U	5.04 U	5.04 U	5.04 U	116 J	41.0 J	5.04 U	5.04 U	177 J
			Mean Concentration			5.04 U	10.1 U	5.04 U	5.14 J	5.04 U	59.6 J	33.8 J	5.04 U	5.04 U	112 J
			RSD			Not Detected	Not Detected	Not Detected	7.75%	Not Detected	67.7%	15.9%	Not Detected	Not Detected	40.9%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Very Good	Not Detected	Poor	Very Good	Not Detected	Not Detected	Good
			Adjusted Result for DU-5 (0-1)			5.04 U	10.1 U	5.04 U	5.14 J	5.04 U	116 J	33.8 J	5.04 U	5.04 U	112 J
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-5 (1-2)A	7/25/2022	4.84 U	9.68 U	15.7 U	4.84 U	4.84 U	60.4 J	58.1 J	4.84 U	4.84 U	143 J
			1-2 FR	DU-5 (1-2)B	7/25/2022	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	56.9 J	49.9 J	4.88 U	4.88 U	124 J
			1-2 FR	DU-5 (1-2)C	7/25/2022	4.81 U	9.62 U	4.81 U	4.81 U	4.81 U	42.2 J	32.6 J	4.81 U	4.81 U	94.0 J
			Mean Concentration			4.88 U	9.68 U	15.7 U	4.88 U	4.88 U	53.2 J	46.9 J	4.88 U	4.88 U	120 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	14.8%	22.7%	Not Detected	Not Detected	16.7%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-5 (1-2)			4.88 U	9.68 U	15.7 U	4.88 U	4.88 U	53.2 J	46.9 J	4.88 U	4.88 U	120 J
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-5 (2-3)A	7/26/2022	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	51.3 J	27.0 J	4.91 U	4.9 U	95.5 J
			2-3 FR	DU-5 (2-3)B	7/26/2022	4.81 U	4.81 U	4.81 U	4.81 U	4.81 U	49.8 J	27.6 J	4.81 U	4.81 U	94.2 J
			2-3 FR	DU-5 (2-3)C	7/26/2022	4.92 U	4.92 U	4.92 U	4.92 U	4.92 U	4.92 U	367	4.92 U	4.92 U	387
			Mean Concentration			4.92 U	4.92 U	4.92 U	4.92 U	4.92 U	35.3 J	141 J	4.92 U	4.92 U	192 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	60.9%	114%	Not Detected	Not Detected	71.6%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Poor	Very Poor	Not Detected	Not Detected	Poor
			Adjusted Result for DU-5 (2-3)			4.92 U	4.92 U	4.92 U	4.92 U	4.92 U	51.3 J	367	4.92 U	4.92 U	387
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	Adjust Upward Using RSD	Additional Data Review Needed	No Adjustment Calculated	No Adjustment Calculated	Adjust Upward Using RSD

Table I-3  
Soil Results - PCB Aroclors Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PCBs by EPA Method 8082A									
						Concentrations in µg/kg									
						Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB Aroclors
Central	DU-11	ISM	0-1	DU-11 (0-1)A	8/10/2022	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	8.89 J	10.9 J	4.90 U	4.90 U	36.9 J
			0-1 FR	DU-11 (0-1)B	8/10/2022	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	6.91 J	9.72 J	5.03 U	5.03 U	34.2 J
			0-1 FR	DU-11 (0-1)C	8/10/2022	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	6.55 J	9.95 J	4.98 U	4.98 U	33.9 J
			Mean Concentration			5.03 U	5.0 U	5.03 U	5.03 U	5.03 U	7.45 J	10.2 J	5.03 U	5.03 U	35.0 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	13.8%	5.01%	Not Detected	Not Detected	3.86%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-11 (0-1)			5.03 U	5.0 U	5.03 U	5.03 U	5.03 U	7.45 J	10.2 J	5.03 U	5.03 U	35.0 J
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-11 (1-2)A	8/10/2022	5.10 U	5.10 U	5.10 U	5.10 U	5.10 U	8.13 J	11.2 J	5.10 U	5.10 U	37.2 J
			1-2 FR	DU-11 (1-2)B	8/10/2022	5.02 U	5.02 U	5.02 U	5.02 U	5.02 U	7.58 J	11.8 J	5.02 U	5.02 U	37.0 J
			1-2 FR	DU-11 (1-2)C	8/10/2022	4.94 U	4.94 U	4.94 U	4.94 U	4.94 U	6.06 J	10.5 J	4.94 U	4.94 U	33.9 J
			Mean Concentration			5.10 U	5.10 U	5.10 U	5.10 U	5.10 U	7.26 J	11.2 J	5.10 U	5.10 U	36.0 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	12.1%	4.76%	Not Detected	Not Detected	4.22%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-11 (1-2)			5.10 U	5.10 U	5.10 U	5.10 U	5.10 U	7.26 J	11.2 J	5.10 U	5.10 U	36.0 J
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-11 (2-3)A	8/10/2022	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	8.30 J	13.4 J	4.91 U	4.91 U	38.9 J
			2-3 FR	DU-11 (2-3)B	8/10/2022	4.90 U	4.90 U	4.90 U	4.90 U	4.90 U	9.36 J	11.4 J	4.90 U	4.90 U	37.9 J
			2-3 FR	DU-11 (2-3)C	8/10/2022	4.77 U	4.77 U	4.77 U	4.77 U	4.77 U	6.71 J	10.9 J	4.77 U	4.77 U	34.3 J
			Mean Concentration			4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	8.12 J	11.9 J	4.91 U	4.91 U	37.0 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	13.4%	9.08%	Not Detected	Not Detected	5.32%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-11 (2-3)			4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	8.12 J	11.9 J	4.91 U	4.91 U	37.0 J
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed

Table I-3  
Soil Results - PCB Aroclors Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PCBs by EPA Method 8082A									
						Concentrations in µg/kg									
						Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB Aroclors
Central	DU-13	ISM	0-1	DU-13 (0-1)A	8/29/2022	5.02 U	5.02 U	5.02 U	5.02 U	5.02 U	23.5 J	9.40 J	5.02 U	5.02 U	50.5 J
			0-1 FR	DU-13 (0-1)B	8/29/2022	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	39.5 J	13.2 J	4.97 U	4.97 U	70.1 J
			0-1 FR	DU-13 (0-1)C	8/29/2022	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	28.2 J	12.2 J	4.99 U	4.99 U	57.9 J
			Mean Concentration			5.02 U	5.02 U	5.02 U	5.02 U	5.02 U	30.4 J	11.6 J	5.02 U	5.02 U	59.5 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	22.1%	13.9%	Not Detected	Not Detected	13.6%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-13 (0-1)			5.02 U	5.02 U	5.02 U	5.02 U	5.02 U	30.4 J	11.6 J	5.02 U	5.02 U	59.5 J
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-13 (1-2)A	8/30/2022	4.90 U	4.90 U	4.90 U	4.90 U	4.90 U	5.91 J	4.90 U	4.90 U	4.90 U	25.5 J
			1-2 FR	DU-13 (1-2)B	8/30/2022	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	7.25 J	4.98 U	4.98 U	4.98 U	27.2 J
			1-2 FR	DU-13 (1-2)C	8/30/2022	4.86 U	4.86 U	4.86 U	4.86 U	4.86 U	6.98 J	4.86 U	4.86 U	4.86 U	26.4 J
			Mean Concentration			4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	6.71 J	4.98 U	4.98 U	4.98 U	26.4 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	8.62%	Not Detected	Not Detected	Not Detected	2.57%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Not Detected	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-13 (1-2)			4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	6.71 J	4.98 U	4.98 U	4.98 U	26.4 J
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-13 (2-3)A	8/31/2022	4.93 U	4.93 U	4.93 U	4.93 U	4.93 U	10.8 J	4.93 U	4.93 U	4.93 U	30.5 J
			2-3 FR	DU-13 (2-3)B	8/31/2022	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	13.0 J	5.01 U	5.01 U	5.01 U	33.0 J
			2-3 FR	DU-13 (2-3)C	8/31/2022	4.89 U	4.89 U	4.89 U	4.89 U	4.89 U	12.1 J	4.89 U	4.89 U	4.89 U	31.7 J
			Mean Concentration			5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	12.0 J	5.01 U	5.01 U	5.01 U	31.7 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	7.55%	Not Detected	Not Detected	Not Detected	3.25%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Not Detected	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-13 (2-3)			5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	12.0 J	5.01 U	5.01 U	5.01 U	31.7 J
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed



Table I-3  
Soil Results - PCB Aroclors Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PCBs by EPA Method 8082A									
						Concentrations in µg/kg									
						Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB Aroclors
Central	DU-16	ISM	0-1	DU-16 (0-1)A	9/12/2022	4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	7.47 J	7.39 J	4.75 U	4.75 U	31.5 J
			0-1 FR	DU-16 (0-1)B	9/12/2022	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	6.65 J	5.69 J	4.79 U	4.79 U	29.1 J
			0-1 FR	DU-16 (0-1)C	9/12/2022	5.02 U	5.02 U	5.02 U	5.02 U	5.02 U	8.66 J	8.33 J	5.02 U	5.02 U	34.6 J
			Mean Concentration			5.02 U	5.02 U	5.02 U	5.02 U	5.02 U	7.59 J	7.14 J	5.02 U	5.02 U	31.7 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	10.9%	15.3%	Not Detected	Not Detected	7.04%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-16 ( 0-1)			5.02 U	5.02 U	5.02 U	5.02 U	5.02 U	7.59 J	7.14 J	5.02 U	5.02 U	31.7 J
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
Central	DU-18	ISM	0-1	DU-18 (0-1)A	9/29/2022	4.94 U	4.94 U	4.94 U	4.94 U	4.94 U	8.94 J	4.94 U	4.94 U	4.94 U	28.7 J
			0-1 FR	DU-18 (0-1)B	9/29/2022	4.87 U	4.87 U	4.87 U	4.87 U	4.87 U	38.9 JN	4.87 U	4.87 U	4.87 U	58.4 J
			0-1 FR	DU-18 (0-1)C	9/29/2022	5.06 U	5.06 U	5.06 U	5.06 U	5.06 U	20.8 J	10.1 U	5.06 U	5.06 U	43.6 J
			Mean Concentration			5.06 U	5.06 U	5.06 U	5.06 U	5.06 U	22.9 J	10.1 U	5.06 U	5.06 U	43.5
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	53.8%	Not Detected	Not Detected	Not Detected	27.8%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Poor	Not Detected	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-18 (0-1)			5.06 U	5.06 U	5.06 U	5.06 U	5.06 U	38.9 J	10.1 U	5.06 U	5.06 U	43.5
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	Adjust Upward Using RSD	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-18 (1-2)A	9/30/2022	4.62 U	4.62 U	4.62 U	4.62 U	4.62 U	12.2 J	5.19 J	4.62 U	4.62 U	33.6 J
			1-2 FR	DU-18 (1-2)B	9/30/2022	4.68 U	4.68 U	4.68 U	4.68 U	4.68 U	7.79 J	4.68 U	4.68 U	4.68 U	26.5 J
			1-2 FR	DU-18 (1-2)C	9/30/2022	4.96 UJ	4.96 UJ	4.96 UJ	4.96 UJ	4.96 UJ	4.96 UJ	4.96 UJ	4.96 UJ	4.96 UJ	44.64 UJ
			Mean Concentration			4.75 U	4.75 U	4.75 U	4.75 U	4.75 U	8.32 U	4.94 J	4.75 U	4.75 U	34.9 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	35.82%	4.22%	Not Detected	Not Detected	21.38%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-18 (1-2)			4.96 U	4.96 U	4.96 U	4.96 U	4.96 U	8.32 J	4.94 J	4.96 U	4.96 U	34.9 J
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-18 (2-3)A	10/3/2022	4.93 U	4.93 U	4.93 U	4.93 U	4.93 U	5.92 J	4.93 U	4.93 U	4.93 U	25.6 J
			2-3 FR	DU-18 (2-3)B	10/3/2022	4.89 U	4.89 U	4.89 U	4.89 U	4.89 U	10.1 J	4.89 U	4.89 U	4.89 U	29.7 J
			2-3 FR	DU-18 (2-3)C	10/3/2022	4.87 U	4.87 U	4.87 U	4.87 U	4.87 U	12.1 J	4.87 U	4.87 U	4.87 U	31.6 J
			Mean Concentration			4.93 U	4.93 U	4.93 U	4.93 U	4.93 U	9.37 J	4.93 U	4.93 U	4.93 U	29.0 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	27.47%	Not Detected	Not Detected	Not Detected	8.55%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Not Detected	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-18 (2-3)			4.93 U	4.93 U	4.93 U	4.93 U	4.93 U	9.37 J	4.93 U	4.93 U	4.93 U	29.0 J
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed

Table I-3  
Soil Results - PCB Aroclors Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PCBs by EPA Method 8082A									
						Concentrations in µg/kg									
						Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB Aroclors
Central	DU-22	ISM	0-1	DU-22 (0-1)A	10/13/2022	4.85 U	4.85 U	4.85 U	4.85 U	4.85 U	4.85 U	4.85 U	4.85 U	4.85 U	4.85 U
			0-1 FR	DU-22 (0-1)B	10/13/2022	4.97 U	4.97 U	4.97 U	4.97 U	4.97 U	15.3 J	9.91 J	5.0 U	4.97 U	42.6 J
			0-1 FR	DU-22 (0-1)C	10/13/2022	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	9.15 J	17.1 J	5.01 U	5.01 U	43.8 J
			Mean Concentration			5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	9.77 J	10.6 J	5.01 U	5.01 U	30.4 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	43.9%	47.3%	Not Detected	Not Detected	59.5%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Good	Good	Not Detected	Not Detected	Poor
			Adjusted Result for DU-22 (0-1)			5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	9.77 J	10.6 U	5.01 U	5.01 U	43.8 J
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	Adjust Upward Using RSD
			1-2	DU-22 (1-2)A	10/14/2022	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U
			1-2 FR	DU-22 (1-2)B	10/14/2022	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	4.98 U	5.92 J	4.98 U	4.98 U	25.8 J
			1-2 FR	DU-22 (1-2)C	10/14/2022	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U	4.91 U
			Mean Concentration			4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	5.27 J	4.99 U	4.99 U	11.9 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	8.69%	Not Detected	Not Detected	82.7%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Not Detected	Not Detected	Poor
			Adjusted Result for DU-22 (1-2)			4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	5.27 J	4.99 U	4.99 U	25.8 J
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	Adjust Upward Using RSD
			2-3	DU-22 (2-3)A	10/14/2022	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U
			2-3 FR	DU-22 (2-3)B	10/14/2022	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	4.8 U	4.79 U	4.8 U	4.79 U	4.79 U
			2-3 FR	DU-22 (2-3)C	10/14/2022	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
			Mean Concentration			5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
			Adjusted Result for DU-22 (2-3)			5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	5.03 J
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated

Table I-3  
Soil Results - PCB Aroclors Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PCBs by EPA Method 8082A									
						Concentrations in µg/kg									
						Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB Aroclors
Central	DU-26	ISM	0-1	DU-26 (0-1)A	11/9/2022	4.93 U	4.93 U	4.93 U	4.93 U	4.93 U	4.93 U	122 J	4.93 U	45.9 J	185 J
			0-1 FR	DU-26 (0-1)B	11/9/2022	4.71 U	4.71 U	4.71 U	4.71 U	4.71 U	20.8 J	46.7 J	4.71 U	4.71 U	84.0 J
			0-1 FR	DU-26 (0-1)C	11/9/2022	4.96 U	4.96 U	4.96 U	4.96 U	4.96 U	23.6 J	48.1 J	4.96 U	4.96 U	89.1 J
			Mean Concentration			4.96 U	4.96 U	4.96 U	4.96 U	4.96 U	16.4 J	72.3 J	4.96 U	18.5 J	119 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	50.0%	48.7%	Not Detected	105%	38.9%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Good	Good	Not Detected	Very Poor	Good
			Adjusted Result for DU-26 (0-1)			4.96 U	4.96 U	4.96 U	4.96 U	4.96 U	16.4 J	72.3 J	4.96 U	45.9 J	119
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	Adjust Upward Using RSD	No Adjustment Needed
			1-2	DU-26 (1-2)A	11/10/2022	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	51.00	4.88 U	4.88 U	70.5
			1-2 FR	DU-26 (1-2)B	11/10/2022	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	17.5 J	27.5 J	5.1 U	5.05 U	62.7 J
			1-2 FR	DU-26 (1-2)C	11/10/2022	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	40.2	4.99 U	4.99 U	60.2
			Mean Concentration			5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	9.12 J	39.57 J	5.05 U	5.05 U	64.5 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	64.9%	24.27%	Not Detected	Not Detected	6.8%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Poor	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-26 (1-2)			5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	17.5 J	39.57 J	5.05 U	5.05 U	64.5
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-26 (2-3)A	11/11/2022	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	14.9	5.05 U	5.05 U	35.1
			2-3 FR	DU-26 (2-3)B	11/11/2022	4.93 U	4.93 U	4.93 U	4.93 U	4.93 U	4.93 U	169	4.93 U	4.93 U	189
			2-3 FR	DU-26 (2-3)C	11/11/2022	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	5.01 U	21.5	5.01 U	5.01 U	41.5
			Mean Concentration			5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	68.5 J	5.05 U	5.05 U	88.5 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	1.04	Not Detected	Not Detected	80.27%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Poor	Not Detected	Not Detected	Poor
			Adjusted Result for DU-26 (2-3)			5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	5.05 J	169	5.05 U	5.05 U	189
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	Adjust Upward Using RSD	No Adjustment Calculated	No Adjustment Calculated	Adjust Upward Using RSD

Table I-3  
Soil Results - PCB Aroclors Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PCBs by EPA Method 8082A									
						Concentrations in µg/kg									
						Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB Aroclors
East	DU-38	ISM	0-1	DU-38 (0-1)A	11/14/2022	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	10.3 J	9.57 J	5.03 U	5.03 U	37.5 J
			0-1 FR	DU-38 (0-1)B	11/14/2022	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	10.7 J	13.0 J	5.00 U	5.00 U	41.2 J
			0-1 FR	DU-38 (0-1)C	11/14/2022	4.99 U	4.99 U	4.99 U	4.99 U	4.99 U	10.5 J	13.1 J	4.99 U	4.99 U	41.1 J
			Mean Concentration			5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	10.5 J	11.9 J	5.03 U	5.03 U	39.9 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	1.56%	13.8%	Not Detected	Not Detected	4.3%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-38 (0-1)			5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	10.5 J	11.9 U	5.03 U	5.03 U	39.9
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-38 (1-2)A	11/16/2022	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	14.0 J	12.8 J	5.03 U	5.03 U	44.4 J
			1-2 FR	DU-38 (1-2)B	11/16/2022	5.02 U	5.02 U	5.02 U	5.02 U	5.02 U	13.7 J	5.74 J	5.02 U	5.02 U	37.0 J
			1-2 FR	DU-38 (1-2)C	11/16/2022	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	9.88 J	7.51 J	5.05 U	5.05 U	35.1 J
			Mean Concentration			5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	12.5 J	8.68 J	5.05 U	5.05 U	38.8 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	15.0%	34.5%	Not Detected	Not Detected	10.4%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-38 (1-2)			5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	12.5 J	8.68 J	5.05 U	5.05 U	38.8 J
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-38 (2-3)A	11/17/2022	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	9.82 J	5.05 U	5.05 U	5.05 U	30.0 J
			2-3 FR	DU-38 (2-3)B	11/17/2022	4.96 U	4.96 U	4.96 U	4.96 U	4.96 U	7.88 J	4.96 U	4.96 U	4.96 U	27.7 J
			2-3 FR	DU-38 (2-3)C	11/17/2022	5.07 U	5.07 U	5.07 U	5.07 U	5.07 U	6.14 J	5.07 U	5.07 U	5.07 U	26.4 J
			Mean Concentration			5.07 U	5.07 U	5.07 U	5.07 U	5.07 U	7.95 J	5.07 U	5.07 U	5.07 U	28.1 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	18.91%	Not Detected	Not Detected	Not Detected	5.31%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Not Detected	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-38 (2-3)			5.07 U	5.07 U	5.07 U	5.07 U	5.07 U	7.95 J	5.07 U	5.07 U	5.07 U	28.1 J
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed



Table I-3  
Soil Results - PCB Aroclors Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PCBs by EPA Method 8082A									
						Concentrations in µg/kg									
						Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCB Aroclors
Soil Berms	DU-41	ISM	0-1	DU-41 (0-1)A	10/24/2022	5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	14.5 J	12.5 J	5.03 U	5.03 U	44.6 J
			0-1 FR	DU-41 (0-1)B	10/24/2022	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	40.1 J	12.1 J	4.83 U	4.83 U	69.1 J
			0-1 FR	DU-41 (0-1)C	10/24/2022	4.88 U	4.88 U	4.88 U	4.88 U	4.88 U	21.6 J	17.9 J	4.88 U	4.88 U	56.6 J
			Mean Concentration			5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	25.4 J	14.2 J	5.03 U	5.03 U	56.8 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	42.5%	18.7%	Not Detected	Not Detected	17.6%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-41 (0-1)			5.03 U	5.03 U	5.03 U	5.03 U	5.03 U	25.4 J	14.2 U	5.03 U	5.03 U	56.8
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			1-2	DU-41 (1-2)A	10/26/2022	4.83 U	4.83 U	4.83 U	4.83 U	4.83 U	58.4 J	17.3 J	4.83 U	4.83 U	92.6 J
			1-2 FR	DU-41 (1-2)B	10/26/2022	4.79 U	4.79 U	4.79 U	4.79 U	4.79 U	12.8 J	10.8 J	4.79 U	4.79 U	40.4 J
			1-2 FR	DU-41 (1-2)C	10/26/2022	4.94 U	4.94 U	4.94 U	4.94 U	4.94 U	46.6 J	12.6 J	4.94 U	4.94 U	76.5 J
			Mean Concentration			4.94 U	4.94 U	4.94 U	4.94 U	4.94 U	39.3 J	13.6 J	4.94 U	4.94 U	69.8 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	49.2%	20.2%	Not Detected	Not Detected	31.3%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Good	Very Good	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-41 (1-2)			4.94 U	4.94 U	4.94 U	4.94 U	4.94 U	39.3 J	13.6 J	4.94 U	4.94 U	69.8
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed
			2-3	DU-41 (2-3)A	10/28/2022	5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	9.84 J	7.82 J	5.05 U	5.05 U	35.3 J
			2-3 FR	DU-41 (2-3)B	10/28/2022	4.92 U	4.92 U	4.92 U	4.92 U	4.92 U	5.41 J	6.56 J	4.92 U	4.92 U	29.2 J
			2-3 FR	DU-41 (2-3)C	10/28/2022	4.90 U	4.90 U	4.90 U	4.90 U	4.90 U	6.60 J	20.0 J	4.90 U	4.90 U	43.8 J
			Mean Concentration			5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	7.28 J	11.46 J	5.05 U	5.05 U	36.1 J
			RSD			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	25.7%	0.529	Not Detected	Not Detected	16.5%
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Very Good	Poor	Not Detected	Not Detected	Very Good
			Adjusted Result for DU-41 (2-3)			5.05 U	5.05 U	5.05 U	5.05 U	5.05 U	7.28 J	20.0 J	5.05 U	5.05 U	36.1
			Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	Adjust Upward Using RSD	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed

**Notes:**

ISM = Incremental Sampling Methodology.

bgs = Below ground surface.

EPA = United States Environmental Protection Agency.

FR = Field replicate. Field replicates are collected at different locations within the same ISM cell as the primary sample.

µg/kg = Micrograms per kilogram (parts per billion).

Mean Concentration = Arithmetic mean calculation for the field replicates. Mean concentrations are calculated using the detection limit (DL) if the target analyte is not detected. If all the three field replicates are not detected for the target analyte, then the maximum DL is used for the final result.

RSD = Relative Standard Deviation. RSDs are calculated using the DL if the target analyte is not detected.

RSD Evaluation = RSD ≤35% is "Very Good" precision, RSD &gt;35% but ≤50% is "Good" precision, RSD &gt;50% but ≤100% is "Poor" precision, RSD &gt;100% is "Very Poor" precision.

U = Analyte was not detected.

J = Result is estimated.

Table I-4  
Soil Results - PAHs and Dibenzofuran Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PAHs and Dibenzofuran by EPA Method 8270E-SIM																																		
						Concentrations in µg/kg																																		
						Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Dibenzofuran	Total HPAH	Total LPAH	cPAHs (BaP Eq.)													
West	DU-5	ISM	0-1	DU-5 (0-1)A	7/22/2022	7.41	J	9.82	J	14.5	109	168	239	66.3	119	160	50.7	U	175	6.08	J	131	5.90	J	8.66	J	10.000	J	82.2	207	5.07	U	1,400	139	J	242	J			
			0-1 FR	DU-5 (0-1)B	7/22/2022	8.72	J	10.1	23.3	91.3	140	192	66.5	J	87.7	122	18.9	162	6.66	J	108	7.41	J	12	13.2	80.8	169	5.69	J	1,180	J	186	J	179	J					
			0-1 FR	DU-5 (0-1)C	7/22/2022	10.9		13.1	31.1	106	172	233	77.3	J	107	156	21.8	213	9.26	J	128	6.95	J	10.6	12.6	113	226	7.34	J	1,240	J	173	J	192	J					
			Mean Concentration			9.01	J	11.0	J	23.0	102	160	221	70.0	J	105	146	30.5	183	7.33	J	122	6.75	J	10.4	J	11.9	J	92.0	201	6.03	J	1,273	J	166	J	204	J		
			RSD			16.0%		13.5%	29.5%	7.58%	8.90%	9.44%	7.34%	12.3%	11.7%	47.1%	11.8%	18.9%	8.35%	9.36%	13.1%	11.6%	16.2%	11.8%	15.9%	7.29%	11.9%	12.5%												
			RSD Evaluation			Very Good		Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good			
			Adjusted Result for DU-5 (0-1)			9.01	J	11.0	J	23.0	102	160	221	70.0	J	105	146	30.5	183	7.33	J	122	6.75	J	10.4	J	11.9	J	92.0	201	6.03	J	1,273	J	166	J	204	J		
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed		No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed		
			1-2	DU-5 (1-2)A	7/25/2022	8.16	J	13.2	29.8	91.2	126	174	55.7	J	81.7	132	16.9	204	7.23	J	93.6	7.06	J	10.0	J	11.1	107	208	5.04	J	1,160	J	155	J	199	J				
			1-2 FR	DU-5 (1-2)B	7/25/2022	6.07	J	11.5	22.7	67	102	140	38.6	J	73.5	106	14.5	142	6.3	J	82.9	7.04	J	11.6	15.0	81.2	154	5.43	J	921	J	154	J	146	J					
			1-2 FR	DU-5 (1-2)C	7/25/2022	9.53	J	24.6	28.9	114	193	265	74.6	J	133	182	24.7	244	7.57	J	158	8.21	J	13.1	20.1	113	289	6.09	J	1,120	J	147	J	177	J					
			Mean Concentration			7.92	J	16.4	27.1	90.7	140	193	56.3	J	96.1	140	18.7	197	7.03	J	112	7.44	J	11.6	J	15.4	100	217	5.52	J	1,067	J	152	J	174	J				
			RSD			18.0%		35.4%	11.6%	21.2%	27.4%	27.3%	26.1%	27.4%	22.5%	23.3%	7.63%	29.7%	7.35%	10.9%	23.9%	13.7%	25.6%	7.85%	9.8%	10.67	J	2.3%												
			RSD Evaluation			Very Good		Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good			
			Adjusted Result for DU-5 (1-2)			7.92	J	16.4	27.1	90.7	140	193	56.3	J	96.1	140	18.7	197	7.03	J	112	7.44	J	11.6	J	15.4	100	217	5.52	J	1,067	J	152	J	174	J				
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Needed		No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed		
			2-3	DU-5 (2-3)A	7/26/2022	6.04	J	15.8	29.7	95.0	134	172	54.3	J	96.9	150	20.1	191	6.84	J	110	5.74	J	9.36	J	12.6	92.2	218	5.00	U	1,440	J	201	J	241	J				
			2-3 FR	DU-5 (2-3)B	7/26/2022	5.28	J	15.7	21.3	76.7	125	170	50.5	J	88.5	140	17.0	151	5.07	J	101	7.89	J	11.2	13.6	74.8	197	5.04	U	1,680	J	217	J	272	J					
			2-3 FR	DU-5 (2-3)C	7/26/2022	18.0		21.8	86.9	226	292	378	130	J	163	310	34.2	518	17.7	199	10.2	12.5	16.3	374	629	9.88	J	2,880	J	547		408	J							
			Mean Concentration			9.77	J	17.8	46.0	J	133	J	184	78.3	J	116	200	23.8	287	J	9.87	J	137	7.94	J	11.0	J	14.2	180	J	348	J	6.64	J	2,000	J	322	J	307	J
			RSD			59.6%		16.1%	63.4%	50.2%	41.8%	40.7%	46.8%	28.7%	38.9%	31.5%	57.3%	56.6%	32.4%	22.9%	11.7%	11.0%	76.0%	57.1%	34.5%	31.5%	49.6%	23.6%												
			RSD Evaluation			Poor		Very Good	Poor	Poor	Poor	Good	Good	Good	Very Good	Good	Very Good	Good	Very Good	Poor	Poor	Very Good	Very Good	Very Good	Very Good	Poor	Poor	Very Good	Very Good	Very Good	Very Good	Good	Very Good	Very Good	Good	Very Good	Very Good			
			Adjusted Result for DU-5 (2-3)			18.0		17.8	86.9	226	184	240	78.3	J	116	200	23.8	518	17.7	137	7.94	J	11.0	J	14.2	374	629	6.64	J	2,000	J	322	J	307	J					
			Statistically Adjusted Result for Associated DUs (2-3)			Adjust Upward Using RSD		No Adjustment Needed	Adjust Upward Using RSD	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed		
Central	DU-11	ISM	0-1	DU-11 (0-1)A	8/10/2022	70.6		820	455	2,030	3,990	3,750	1,300	J	2,800	3,130	522	4,190	198	2,920	218	506	799	2,370	6,630	46.9	31,300	J	5,220		5,400	J								
			0-1 FR	DU-11 (0-1)B	8/10/2022	104		1180	751	2,130	3,970	3,820	1,270	J	2,520	3,070	495	4,530	511	2,680	431	804	1,670	4,340	6,470	81.9	31,000	J	9,360		5,340	J								
			0-1 FR	DU-11 (0-1)C	8/10/2022	51.2		390	246	1,050	2,030	2,170	538	J	1,340	1,550	217	2,030	95.4	1,420	141	329	539	1,190	3,200	25.7	15,500	J	2,840		2,720	J								
			Mean Concentration			75.3		797	484	1,737	3,330	3,247	1,036	J	2,220	2,583	411	3,583	268	J	2,340	263	546	1,003	2,633	5,433	51.5	25,933	J	5,807		4,487	J							
			RSD			29.0%		40.5%	42.8%	28.1%	27.6%	23.5%	34.0%		28.5%	28.3%	33.5%	30.9%	65.9%	28.1%	46.6%	35.9%	48.2%	49.3%	29.1%	45.0%	28.5%	46.4%	27.8%											
			RSD Evaluation			Very Good		Good	Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Poor	Very Good	Good	Good	Good	Good	Very Good	Good	Very Good	Good	Very Good	Good	Very Good	Good	Very Good	Good	Very Good				
			Adjusted Result for DU-11 (0-1)			75.3		797	484	1,737	3,330	3,247	1,036	J	2,220	2,583	411	3,583	511	2,340	263	546	1,003	2,633	5,433	51.5	25,933	J	5,807		4,487	J								
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed		No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed		
			1-2	DU-11 (1-2)A	8/10/2022	44.5		358	230	1,130	1,960	1,790	547	J	1,320	1,660	261	1,920	122	1,340	167	400	600	1230	3,130	48.6	15,100	J	2,980		2,650	J								
			1-2 FR	DU-11 (1-2)B	8/10/2022	16.4		228	141	564	1,050	994	277	J	756	904	138	943	70.1	779	107	230	345	682	1,570	15.5	7,980	J	1,710		1,430	J								
			1-2 FR	DU-11 (1-2)C	8/10/2022	18.6		270	172	845	1,510	1,400	417	J	1,060	1,230	212	1,310	59.0	1,080	113	273	447	779	2,260	17.5	11,300	J	2,020		2,060	J								
			Mean Concentration			26.5		285	181	846	1,507	1,395	414	J	1,045	1,265	204	1,391	83.7	1,066	129	301	464	897	2,320	27.2	11,460	J	2,237		2,047	J								
			RSD			48.1%		19.0%	20.4%	27.3%	24.7%	23.3%	26.7%		22.0%	24.5%	24.8%	29.0%	32.8%	21.5%	20.9%	24.0%	22.6%	26.6%	27.5%	55.7%	25.4%	24.2%	24.3%											
			RSD Evaluation			Good		Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Poor	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good				
			Adjusted Result for DU-11 (1-2)			26.5		285	181	846	1,507	1,395	414	J	1,045	1,265	204	1,391	83.7	1,066	129	301	464	899																

**Table I-4**  
**Soil Results - PAHs and Dibenzofuran Field Replicate Statistics and Evaluation**  
**Willamette Cove Upland Facility**  
**Portland, Oregon**

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PAHs and Dibenzofuran by EPA Method 8270E-SIM																																								
						Concentrations in µg/kg																																								
						Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylnaphthalene	Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Dibenzofuran	Total HPAH	Total LPAH	cPAHs (BaP Eq.)																			
Central	DU-13	ISM	0-1	DU-13 (0-1)A	8/29/2022	8.01	J	46.9	44.9	196	284	328	94.5	J	250	309	36.8	316	11.5	233	26.6	58.9	94.7	177	433	8.41	J	2,480	J	442	J	398	J													
			0-1 FR	DU-13 (0-1)B	8/29/2022	6.05	J	68.3	55.4	788	785	1070	368	J	617	985	127	1,310	9.38	J	670	24.4	55.3	85.4	196	1,210	8.20	J	7,930	J	476	J	1,170	J												
			0-1 FR	DU-13 (0-1)C	8/29/2022	7.84	J	37.2	32.1	206	314	340	95.6	J	291	321	41.8	313	10.9	262	24.9	55.2	82.4	160	444	7.23	J	2,630	J	386	J	438	J													
			Mean Concentration			7.30	J	50.8	44.1	397	J	461	579	J	186	J	386	538	J	646	J	10.6	J	388	J	25.3	56.5	87.5	178	696	J	7.95	J	4,347	J	435	J	669	J							
			RSD Evaluation			12.1%		25.6%	21.6%	69.8%		49.8%	59.9%		69.2%		42.5%	58.7%		60.4%		72.6%		51.4%		3.72%	3.05%	5.98%	8.28%	52.3%	6.47%	58.31%		8.5%		53.07%										
			Adjusted Result for DU-13 (0-1)			7.30	J	50.8	44.1	788		461	1,070		368	J	985		127		670		25.3		56.5		87.5		178		1,210		7.95	J	7,930	J	435	J	1,170	J						
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed		No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD		No Adjustment Needed	Adjust Upward Using RSD		Adjust Upward Using RSD		No Adjustment Needed	Adjust Upward Using RSD		Adjust Upward Using RSD		No Adjustment Needed		No Adjustment Needed		No Adjustment Needed		No Adjustment Needed		Adjust Upward Using RSD		No Adjustment Needed	Adjust Upward Using RSD		No Adjustment Needed	Adjust Upward Using RSD		No Adjustment Needed	Adjust Upward Using RSD							
			1-2	DU-13 (1-2)A	8/30/2022	5.06	U	16.7	15.1	91.9	141	160	44.5	J	152	134	18.8	155	5.54	J	134	9.79	J	17.9	25.5	91.1	199	5.06	U	1,230	J	174	J	199	J											
			1-2 FR	DU-13 (1-2)B	8/30/2022	5.06	U	12.1	11.6	85.5	110	130	44.9	J	102	119	15.4	129	5.06	U	96.8	7.91	J	17.2	26.8	60.0	164	5.06	U	997	J	133		157	J											
			1-2 FR	DU-13 (1-2)C	8/30/2022	20.4		30.4	68.1	280	316	382	115	J	232	348	42.7	555	31.3		240	21.5		34.3	65.6	426	553	15.5		3,060	J	676		450	J											
			Mean Concentration			10.2	J	19.7	31.6	J	152	J	189	224	J	68.1	J	162	200	J	25.6		280	J	14.0	J	157	13.1	J	23.1	39.3	192	J	305	J	8.54	J	1,762	J	328	J	269	J			
			RSD Evaluation			71.1%		39.4%	81.8%		59.2%		48.0%	50.2%		48.6%		33.1%	52.2%		47.4%		38.7%		46.0%	34.2%		47.3%		86.1%		57.5%		57.6%		52.3%		75.3%		48.2%						
			Adjusted Result for DU-13 (1-2)			20.4		19.7	68.1		280		189	382		68.1	J	162	348		25.6		555		31.3		157		13.1	J	23.1		39.3		426		553		15.5		3,060	J	676		269	J
			Statistically Adjusted Result for Associated DUs (1-2)			Adjust Upward		No Adjustment Needed	Adjust Upward Using RSD		Adjust Upward Using RSD		No Adjustment Needed	Adjust Upward Using RSD		No Adjustment Needed		No Adjustment Needed	Adjust Upward Using RSD		No Adjustment Needed		Adjust Upward Using RSD		No Adjustment Needed		No Adjustment Needed		No Adjustment Needed		Adjust Upward Using RSD		Adjust Upward Using RSD		Adjust Upward Using RSD		Adjust Upward Using RSD		Adjust Upward Using RSD		No Adjustment Needed					
			2-3	DU-13 (2-3)A	8/31/2022	6.59	J	22.0	28.0	134	189	197	68.3	J	178	184	23.9	238	7.56	J	164	11.9		23.6	37.8	122	292	5.20	J	1,670	J	248	J	263	J											
			2-3 FR	DU-13 (2-3)B	8/31/2022	5.06	U	11.2	11.9	75.9	98.7	108	38.5	J	89.9	104	13.7	116	5.06	U	84.9	7.66	J	16.0	24.7	59.0	149	5.06	U	879	J	128		140	J											
2-3 FR	DU-13 (2-3)C	8/31/2022	5.05	U	8.98	10.5	67.3	87.7	109	31.5	J	83.8	95.3	12.4	106	5.05	U	78.7	6.28	J	11.7	18.4	53.1	126	5.05	U	798	J	108	J	126	J														
Mean Concentration			5.57	J	14.1	J	16.8	92.4	125	138	46.1	J	117	128	16.7	153	5.89	J	109	8.61	J	17.1	27.0	78.0	189	5.10	J	1,116	J	161	J	176	J													
RSD Evaluation			13.0%		40.4%	47.3%	32.1%	36.3%	30.2%	34.6%		36.7%	31.2%		30.9%	39.1%		20.0%		35.6%		27.8%	28.8%	30.0%	38.9%	1.3%		35.3%		38.3%		34.9%														
Adjusted Result for DU-13 (2-3)			5.57	J	14.1	J	16.8	92.4	125	138	46.1	J	117	128	16.7	153	5.89	J	109	8.61	J	17.1	27.0	78.0	189	5.10	J	1,116	J	161	J	176	J													
Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Needed		No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed								
Central	DU-16	ISM	0-1	DU-16 (0-1)A	9/12/2022	15.2	U	24.4	58.4	284	337	456	157	J	229	393	58.7	522	21.3	247	279	317	204	347	540	77.6		3,220	J	968		496	J													
			0-1 FR	DU-16 (0-1)B	9/12/2022	10.2	U	21	33.8	195	286	387	130	J	227	290	51.4	350	9.77	J	243	44	51.6	49.1	183	373	20.4	2,530	J	353		421	J													
			0-1 FR	DU-16 (0-1)C	9/12/2022	14.0	U	20	42.1	227	300	409	138	J	237	317	54.5	423	16.9	246	68.5	81.9	67.5	242	440	23.0	2,790	J	467		444	J														
			Mean Concentration			15.2	U	21.8	44.8	235	308	417	142	J	231	333	54.9	432	16.0	J	245	131	J	150	J	257	451	40.3	J	2,847	J	596		454	J											
			RSD Evaluation			Not Detected		8.64%	22.8%	15.6%	6.99%	6.90%	7.99%		1.9%	13.1%	5.45%	16.3%	29.7%		0.693%		80.8%		79.0%	64.7%	26.4%	15.2%	65.4%	10.0%	44.8%		6.92%													
			Adjusted Result for DU-16 (0-1)			15.2	U	21.8	44.8	235	308	417	142	J	231	333	54.9	432	16.0	J	245	279		317	204	257	451	77.6		2,847	J	596		454	J											
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Calculated		No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD		Adjust Upward Using RSD		Adjust Upward Using RSD		No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD		No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed									
			Central	DU-18	ISM	0-1	DU-18 (0-1)A	9/29/2022	5.08	U	22.6	25.5	78.4	129	205	57.6	J	174	136	19.2	128	5.08	U	158	7.71	J	12.3	25.4	65.5	151	5.64	J	1,240	J	156		193	J								
						0-1 FR	DU-18 (0-1)B	9/29/2022	5.08	U	21.0	27.8	95.4	137	211	62.9	J	159	157	20	170	6.01	J	149	7.86	J	12.5	24.4	93.3	193	6.94	J	1,350	J	188	J	203	J								
						0-1 FR	DU-18 (0-1)C	9/29/2022	5.97	J	29.0	39.5	125	184	250	85.4	J	209	199	29.4	255	8.19	J	193	7.17	J	11	24.5	145	279	6.67	J	1,810	J	263	J	271	J								
						Mean Concentration			5.38	J	24.2	30.9	100	150	222	68.6	J	181	164	22.8	184	6.43	J	167	7.58	J	11.9	24.8	101	208	6.42	J	1,467	J	202	J	222	J								
						RSD Evaluation			7.80%		14.3%	19.8%	19.3%	16.2%	8.99%		17.6%		11.6%	16.0%		20.4%		28.7%		20.3%		11.4%	3.91%	5.57%	1.82%	32.5%	25.7%	8.73%		16.8%		22.2%		15.6%						
						Adjusted Result for DU-18 (0-1)			5.38	J	24.2	30.9	100	150	222	68.6	J	181	164	22.8	184	6.43	J	167	7.58	J	11.9	24.8	101	208	6.42	J	1,467	J	202	J	222	J								
						Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed		No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed					
						1-2	DU-18 (1-2)A	9/30/2022	4.80	U	14.4	16.6	65.0	93.3	143	48.0	J	104	105	13.6	102	5.48	J	96.9	9.71		11.9	19.2	67.9	123	4.80	U	894	J	138	J	138	J								
						1-2 FR	DU-18 (1-2)B	9/30/2022	4.96	U	8.03	J	11.1	58.9	74.5	115	31.5	J	73.6	85.9	10.3	95.0	4.96	U	70.9	4.96	U	5.06	J	13.2	38.5	107	4.96	U	723	J	82.4	J	110	J						
1-2 FR	DU-18 (1-2)C	9/30/2022				5.03	U	8.42	J	8.58	J	46.0	53.0	75.5	86.6	29.7	J	70.6	69.1	9.24	J	77.9	5.03	U	5.56	J	12.0	34.7	86.4	5.03	U	598	J	74.3	J	86.9	J									
Mean Concentration						5.03	U	10.3	J	12.1	J	57	75	115	36.4	J	82.7	86.7	11.0	J	91.6	5.16	J	77.6	6.57	8.02	J	14.8	47.0	105	5.03	U	738	J	98.2	J	112	J								
RSD Evaluation						Not Detected		28.3%	27.7%	14.0%	19.5%	20.0%		22.6%		18.2%	16.9%		16.8%		11.0%		4.5%		33.9%	34.6%	21.3%	31.5%	14.2%	Not Detected		16.4%		28.8%		18.7%										
Adjusted Result for DU-18 (1-2)						5.03	U	10.3	J	12.1	J	57	75	115	36.4	J	82.7	86.7	11.0	J	91.6	5.16	J	77.6	6.57	8.0	J	14.8	47.0	105	5.03	U	738	J	98.2	J	112	J								
Statistically Adjusted Result for Associated DUs (1-2)						No Adjustment Calculated		No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed							
2-3	DU-18 (2-3)A	10/3/2022				5.04	U	5.04	U	5.04	U	22.4	27.4	42.4	J	12.9	J	23.5	31.4	5.04	U	26.4	5.04	U	5.04	U	5.04	U	17.5	47.5	5.04	U	277	J	32.6		39.2	J								
2-3 FR	DU-18 (2-3)B	10/3/2022				5.06	U	8.08	J	12.7	45.9	59.3	79.5	J	30.2	J	63.5	65.6	7.99	J	83.7	5.06	U	60.4	5.06	U	11.5	44.2	91.4	5.06	U	587	J	84.1	J	86.2	J									
2-3 FR	DU-18 (2-3)C	10/3/2022	4.95	U	6.27	J	8.20	J	41.6	53.0	78.3	J	23.5	J	55.0	59.8	7.29	J	65.2	4.95	U	53.6	4.95	U	8.66	J	29.7	74.6	4.95	U	512	J	60.3	J	77.9	J										
Mean Concentration			5.06	U	6.46	J																																								

Table I-4  
Soil Results - PAHs and Dibenzofuran Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PAHs and Dibenzofuran by EPA Method 8270E-SIM																									
						Concentrations in µg/kg																									
						Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylnaphthalene	Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Dibenzofuran	Total HPAH	Total LPAH	cPAHs (BaP Eq.)				
Central	DU-22	ISM	0-1	DU-22 (0-1)A	10/13/2022	4.99 U	7.2 J	11.1	36.6	50.4	88.3	27.7 J	54.7	81.9	8.05 J	80.2	4.99 U	51.1	8.62 J	16.9	50.3	58.5	86.2	5.49 J	565	149	76.4 J				
			0-1 FR	DU-22 (0-1)B	10/13/2022	4.90 U	4.90 U	8.30 J	25.9	30.8	64.4	17.9 J	34.7	68.2	6.22 J	40.8	4.90 U	31.9	10.3	15.5	14.5	48.7	52.9	4.90 U	374	94.4	49.5 J				
			0-1 FR	DU-22 (0-1)C	10/13/2022	168	14.8 U	195	194	78.6	161	50.4 J	57.3	237	10.5	1,130	240	60.8	28.7	33.6	17.2	1,290	672	112	2,650	1,950	131 J				
			Mean Concentration			59.3 J	8.96 J	71.5 J	85.5 J	53.3	105	32.0 J	48.9	129 J	8.26 J	417 J	83.3 J	47.9	15.9 J	22.0	27.3 J	466 J	270 J	40.8 J	1196 J	731 J	85.6 J				
			RSD			130%	47.2%	122%	89.9%	36.8%	39.3%	42.5%	20.6%	59.3%	21.2%	121%	133.0%	25.05%	57.3%	37.4%	59.6%	125.1%	105%	123%	86.2%	118%	39.6%				
			RSD Evaluation			Very Poor	Good	Very Poor	Poor	Good	Good	Good	Very Good	Poor	Very Good	Very Poor	Very Poor	Very Good	Poor	Good	Poor	Very Poor	Very Poor	Very Poor	Poor	Very Poor	Good				
			Adjusted Result for DU-22 (0-1)			168	8.96 J	195	194	53.3	105	32.0 J	48.9	237	8.26 J	1,130	240	47.9	28.7	22.0	50.3	1,290	672	112	2,650	1,950	85.6				
			Statistically Adjusted Result for Associated DUs (0-1)			Additional Data Review Needed	No Adjustment Needed	Additional Data Review Needed	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD	No Adjustment Needed	Additional Data Review Needed	Additional Data Review Needed	No Adjustment Needed	Adjust Upward Using RSD	No Adjustment Needed	Adjust Upward Using RSD	Additional Data Review Needed	Additional Data Review Needed	Additional Data Review Needed	Adjust Upward Using RSD	Additional Data Review Needed	No Adjustment Needed				
			1-2	DU-22 (1-2)A	10/14/2022	5.05 U	5.05 U	5.05 U	16.0 J	13.0	24.5 J	10.3 J	14.8	27.1	5.05 U	21.3	5.05 U	15.6	5.05 U	5.88 J	10.9	19.4	22.2	5.05 U	167	46.3	21.3 J				
			1-2 FR	DU-22 (1-2)B	10/14/2022	4.90 U	4.90 U	4.90 U	19.2 J	18.4	38.4 J	18.6 J	19.0	36.4	4.90 U	26.1	4.90 U	20.2	4.90 U	5.13 J	7.85 J	17.5	36.00	4.90 U	235	40.3	28.9 J				
			1-2 FR	DU-22 (1-2)C	10/14/2022	4.73 U	4.73 U	4.73 U	16.2 J	15.8	32.2 J	11.6 J	20.4	27.7	4.73 U	32.2	4.73 U	19.4	4.73 U	4.73 U	6.15 J	20.9	31.4	4.73 U	209	38.9	25.1 J				
			Mean Concentration			5.05 U	5.05 U	5.05 U	17.1 J	15.7	31.7 J	13.5 J	18.1	30.4	5.05 U	26.5	5.05 U	18.4	5.05 U	5.25 J	8.30 J	19.3	29.9	5.05 U	204	41.8	25.1 J				
			RSD			Not Detected	Not Detected	Not Detected	8.54%	14.0%	17.9%	27.0%	13.2%	14.0%	Not Detected	16.8%	Not Detected	10.9%	Not Detected	9.09%	23.7%	7.22%	19.2%	Not Detected	13.8%	7.7%	12.4%				
			RSD Evaluation			Not Detected	Not Detected	Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good	Not Detected	Very Good	Not Detected	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good	Very Good	Very Good				
			Adjusted Result for DU-22 (1-2)			5.05 U	5.05 U	5.05 U	17.1 J	15.7	31.7 J	13.5 J	18.1	30.4	5.05 U	26.5	5.05 U	18.4	5.05 U	5.25 J	8.30 J	19.3	29.9	5.05 U	204	41.8	25.1 J				
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed				
			2-3	DU-22 (2-3)A	10/14/2022	4.99 U	4.99 U	4.99 U	11.3 J	11.7	22.8 J	8.48 J	13.2	27.0	4.99 U	21.3	4.99 U	13.3	4.99 U	8.23 J	21.6	25.4	23.2	4.99 U	155	65.2	19.0 J				
			2-3 FR	DU-22 (2-3)B	10/14/2022	4.96 U	4.96 U	4.96 U	17.9 J	17.3	31.6 J	12.6 J	28.0	34.5	4.96 U	25.8	4.96 U	25.0	4.96 U	8.61 J	12.0	26.4	30.2	4.96 U	225	56.9	27.4 J				
2-3 FR	DU-22 (2-3)C	10/14/2022	5.05 U	5.05 U	5.05 U	11.2 J	18.6	44.8 J	18 J	19.8	28.4 J	5.05 U	19.2	5.05 U	22.6	5.05 U	5.05 U	8.01 J	11.9	22.2	5.05 U	207	32.5	29.2 J							
Mean Concentration			5.05 U	5.05 U	5.05 U	13.5 J	15.9	33.1 J	13.0 J	20.3	30.0 J	5.1 U	22.1	5.05 U	20.3	5.05 U	7.30 J	13.9 J	21.2	25.2	5.05 U	196	51.5	25.2 J							
RSD			Not Detected	Not Detected	Not Detected	23.3%	18.9%	27.3%	29.9%	29.8%	10.9%	Not Detected	12.5%	Not Detected	24.9%	Not Detected	21.9%	41.1%	31.1%	14.1%	Not Detected	15.2%	26.9%	17.6%							
RSD Evaluation			Not Detected	Not Detected	Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good	Not Detected	Very Good	Not Detected	Very Good	Good	Very Good	Very Good	Not Detected	Very Good	Very Good	Very Good							
Adjusted Result for DU-22 (2-3)			5.05 U	5.05 U	5.05 U	13.5 J	15.9	33.1 J	13.0 J	20.3	30.0 J	5.1 U	22.1	5.05 U	20.3	5.05 U	7.30 J	13.9 J	21.2	25.2	5.05 U	196	51.5	25.2 J							
Statistically Adjusted Result for Associated DUs (2-3)			No Adjustment Calculated	No Adjustment Calculated	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed							
Central	DU-26	ISM	0-1	DU-26 (0-1)A	11/9/2022	10.0	83.9	76.4	291	494	702	205 J	483	524	79.2	798	23.8	482	26.0	30.5	77.4	477	831	24.6	4,890 J	779	723 J				
			0-1 FR	DU-26 (0-1)B	11/9/2022	5.53 J	43.3	41.4	163	260	355	122 J	260	290	43.3	377	11.2	256	17.8	22.8	45.3	237	422	13.5	2,550 J	407 J	382 J				
			0-1 FR	DU-26 (0-1)C	11/9/2022	5.99 J	44.9	44.9	175	267	381	121 J	268	301	44.1	403	12.3	259	14.8	20.9	46.3	249	438	13.8	2,660 J	424 J	394 J				
			Mean Concentration			7.17 J	57.4	54.2	210	340	479	149 J	337	372	55.5	526	15.8	332	19.5	24.7	56.3	321	564	17.3	3,367 J	537 J	500 J				
			RSD			28.0%	32.7%	29.0%	27.5%	31.9%	32.9%	26.4%	30.6%	29.0%	30.1%	36.6%	36.1%	31.8%	24.2%	16.8%	26.5%	34.4%	33.6%	29.8%	32.0%	32.0%	31.6%				
			RSD Evaluation			Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Good	Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good				
			Adjusted Result for DU-26 (0-1)			7.17 J	57.4	54.2	210	340	479	149 J	337	372	55.5	526	15.8	332	19.5	24.7	56.3	321	564	17.3	3,367 J	537 J	500 J				
			Statistically Adjusted Result for Associated DUs (0-1)			No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed			
			1-2	DU-26 (1-2)A	11/10/2022	4.93 U	7.66 J	6.79 J	34.9	51.9	76.1	24.5 J	54.7	58.8	7.86 J	67.3	4.93 U	53.0	4.93 U	5.57 J	10.7	39.2	76.2	4.93 U	505	74.9	76.5 J				
			1-2 FR	DU-26 (1-2)B	11/10/2022	4.95 U	7.06 J	6.72 J	44.1	54.2	94.2	27.9 J	57.6	73.5	8.08 J	89.6	4.95 U	55.8	4.95 U	5.51 J	10.3	36.2	103	4.95 U	608	70.7	82.0 J				
			1-2 FR	DU-26 (1-2)C	11/10/2022	4.89 J	31.0	18.2	127	197	246	73.8 J	181	180	28.2	194	4.65 U	179	4.65 U	5.77 J	16.7	75.7	257	4.65 U	1,660	158	281 J				
			Mean Concentration			4.92 J	15.2 J	10.6 J	68.7 J	101 J	139 J	42.1 J	97.8 J	104 J	14.7 J	117	4.95 U	96 J	5.22 J	6.65 J	12.6	50.4	145 J	4.95 U	924 J	101	147 J				
			RSD			0.5%	73.1%	51.0%	60.3%	67.2%	54.9%	53.4%	60.2%	51.9%	64.8%	47.2%	Not Detected	61.2%	7.50%	23.5%	23.3%	35.6%	54.8%	Not Detected	56.5%	39.7%	64.94%				
			RSD Evaluation			Very Good	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Good	Not Detected	Poor	Very Good	Very Good	Very Good	Good	Poor	Not Detected	Poor	Good	Poor				
			Adjusted Result for DU-26 (1-2)			4.92 J	31.0	18.2	127	197	246	73.8 J	181	180	28.2	117	4.95 U	179	5.22 J	6.65 J	12.6	50.4	257	4.95 U	1,660	101	281 J				
			Statistically Adjusted Result for Associated DUs (1-2)			No Adjustment Needed	Adjust Upward Using RSD	Adjust Upward Using RSD	Adjust Upward Using RSD	Adjust Upward Using RSD	Adjust Upward Using RSD	Adjust Upward Using RSD	Adjust Upward Using RSD	Adjust Upward Using RSD	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Calculated	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	Adjust Upward Using RSD	No Adjustment Calculated	Adjust Upward Using RSD	No Adjustment Needed	Adjust Upward Using RSD				
			2-3	DU-26 (2-3)A	11/11/2022	4.93 U	8.01 J	7.60 J	36.1	44.2	68.1	20.5 J	51.2	53.4	6.47 J	72.9	4.93 U	49.1	4.93 U	4.93 U	9.45 J	36.8	85.4	4.93 U	487	69.3	66.3 J				
			2-3 FR	DU-26 (2-3)B	11/11/2022	4.98 U	13.0	14.3	81.2	99.5	136	50.2 J	102	106	16.5	144	4.98 U	100	4.98 U	5.3 J	12.4	74.3	158	4.98 U	993	124	148 J				
2-3 FR	DU-26 (2-3)C	11/11/2022	4.99 U	11.5	9.11 J	50.6	70.6	94.4	29.2 J	83.6	76.5	10.4	100	4.99 U	72.6	4.99 U	5.46 J	11.9	50.5	108	4.99 U	696	94	103 J							
Mean Concentration			4.99 U	10.8 J	10.3 J	56.0	71.4	100	33.3 J	78.9	78.6	11.1 J	106	4.99 U	73.9	4.99 U	5.22 J	11.3 J	53.9	117	4.99 U	725	96	106 J							
RSD			Not Detected	19.3%	27.8%	33.6%	31.6%	28.1%	37.4%	26.6%	27.4%	37.1%	27.7%	Not Detected	28.1%	Not Detected	4.2%	11.5%	28.8%	25.9%	Not Detected	28.6%	23.4%	31.6%							
RSD Evaluation			Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Good	Very Good	Very Good	Good	Very Good	Not Detected	Very Good	Not Detected	Very Good	Very Good	Very Good	Very Good	Not Detected	Very Good	Very Good	Very Good							
Adjusted Result for DU-26 (2-3)			4.99 U	10.8 J	10.3 J	56.0	71.4	100	33.3 J	78.9	78.6	11.1 J	106	4.99 U	73.9	4.99 U	5.22 J	11													



Table I-4  
Soil Results - PAHs and Dibenzofuran Field Replicate Statistics and Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Parcel	Decision Unit	Sample Type	Sample Depth (feet bgs)	Sample ID	Sample Date	PAHs and Dibenzofuran by EPA Method 8270E-SIM																																											
						Concentrations in µg/kg																																											
						Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Methylnaphthalene	Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	Dibenzofuran	Total HPAH	Total LPAH	cPAHs (BaP Eq.)																						
East	DU-38	ISM	0-1	DU-38 (0-1)A	11/14/2022	4.88	U	5.90	J	7.00	J	36.5	33.1	59.4	17.8	J	30.3	49.8	4.94	J	66.9	4.88	U	29.1	4.88	U	4.88	U	8.39	J	35.2	64.3	4.88	U	392	63.8	50.8	J											
			0-1 FR	DU-38 (0-1)B	11/14/2022	4.82	U	8.51	J	10.3	59.4	55.7	82.9	J	31.6	J	42.6	74.2	7.97	J	99.6	4.82	U	44.8	4.82	U	5.93	J	9.09	J	45.6	95.7	4.82	U	594	84.3	82.8	J											
			0-1 FR	DU-38 (0-1)C	11/14/2022	5.04	U	10.2		8.90	J	46.6	50.0	73.9	26.4	J	40.7	60.1	7.19	J	89.7	5.04	U	42.5	5.04	U	6.31	J	13.2		48.3	78.8	5.56	J	516	92.0	73.8	J											
			Mean Concentration					5.04	U	8.20	J	8.73	J	47.5	46.3	72.1	J	25.3	J	37.9	61.4	6.70	J	85.4	5.04	U	38.8	5.04	U	5.71	J	10.2	J	43.0	79.6	5.09	J	501	80.0	69.1	J								
			RSD					Not Detected		21.6%		15.5%	19.7%	20.7%	13.4%	22.5%	14.3%	16.3%	19.2%	16.0%	Not Detected		17.8%	Not Detected		10.6%	20.7%	13.1%	16.1%	6.60%	16.6%	14.9%	19.5%																
			RSD Evaluation					Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good							
			Adjusted Result for DU-38 (0-1)					5.04	U	8.20	J	8.73	J	47.5	46.3	72.1	J	25.3	J	37.9	61.4	6.70	J	85.4	5.04	U	38.8	5.04	U	5.71	J	10.2	J	43.0	79.6	5.09	J	501	80.0	69.1	J								
			Statistically Adjusted Result for Associated DUs (0-1)					No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed					
			1-2	DU-38 (1-2)A	11/16/2022	5	U	5.27	J	8.19	J	38.5	35.5	56.6	J	19.2	J	30.8	55.6	5.05	J	77.4	5.00	U	29.6	5.00	U	7.08	J	14.8		37.2	73.2	5.00	U	421	77.5	53.3	J										
			1-2 FR	DU-38 (1-2)B	11/16/2022	5.08	U	5.50	J	8.84	J	42.2	34.6	54.3	17.2	J	27.7	54.1	5.08	U	74.6	5.08	U	25.5	5.08	U	8.92	J	15.2		41.8	73.4	5.08	U	406	85.3	49.6	J											
			1-2 FR	DU-38 (1-2)C	11/16/2022	5.04	U	5.91	J	8.40	J	46.8	42.8	62.6	23.4	J	35.7	60.6	6.06	J	72.3	5.04	U	34.3	5.04	U	6.90	J	14.3		38.4	70.5	5.04	U	455	79.0	63.5	J											
			Mean Concentration					5.08	U	5.56	J	8.48	J	42.5	37.6	57.8	J	19.9	J	31.4	56.8	5.40	J	75	5.08	U	29.8	5.08	U	7.63	J	14.8		39.1	72.4	5.08	U	427	80.6	55.5	J								
		RSD					Not Detected		4.76%		3.20%	7.99%	9.76%	6.05%	13.0%	10.5%	4.90%	8.69%	2.79%	Not Detected		12.1%	Not Detected		12.0%	2.49%	4.98%	1.83%	Not Detected		4.98%	1.83%	Not Detected		4.80%	4.19%	10.6%												
		RSD Evaluation					Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good						
		Adjusted Result for DU-38 (1-2)					5.08	U	5.56	J	8.48	J	42.5	37.6	57.8	J	19.9	J	31.4	56.8	5.40	J	75	5.08	U	29.8	5.08	U	7.63	J	14.8		39.1	72.4	5.08	U	427	80.6	55.5	J									
		Statistically Adjusted Result for Associated DUs (1-2)					No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed			
		2-3	DU-38 (2-3)A	11/17/2022	4.98	U	4.98	U	5.50	J	36.2	27.8	44.1	J	15.2	J	20.5	41.4	4.98	U	63.5	4.98	U	21.9	4.98	U	4.98	U	6.47	J	25.6	59.8	4.98	U	333	47.5	40.7	J											
		2-3 FR	DU-38 (2-3)B	11/17/2022	5.06	U	5.06	U	6.23	J	37.6	30.6	47.1	J	15.8	J	21.9	44.4	5.06	U	59.2	5.06	U	24.0	5.06	U	5.06	U	7.13	J	24.2		56.8		5.06	U	340	47.7	44.2	J									
		2-3 FR	DU-38 (2-3)C	11/17/2022	5.35	J	5.07	U	15.6		50.9	28.3	51.0	19.7	J	18.4	68.2	5.07	U	146	5.07	U	20.8	5.07	U	5.07	U	7.88	J	37.4		113		5.07	U	519	73.8	43.4	J										
		Mean Concentration					5.13	J	5.07	U	9.11	J	41.6	28.9	47.4	J	16.9	J	20.3	51.3	5.07	U	89.6	5.07	U	22.2	5.07	U	5.07	U	7.16	J	29.1	76.5	5.07	U	397	56.3	42.8	J									
		RSD					3.1%		Not Detected		50.5%	15.94%	4.22%	5.96%	11.8%	7.10%	23.4%	Not Detected		44.6%	Not Detected		5.97%	Not Detected		Not Detected		8.04%		20.4%		33.7%		Not Detected		21.7%		3.50%											
		RSD Evaluation					Very Good	Not Detected	Poor	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Not Detected	Good	Not Detected	Very Good	Not Detected	Not Detected	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good					
		Adjusted Result for DU-38 (2-3)					5.13	J	5.07	U	15.60	41.6	28.9	47.4	J	16.9	J	20.3	51.3	5.07	U	89.6	5.07	U	22.2	5.07	U	5.07	U	7.16	J	29.1		76.5		5.07	U	397	56.3	42.8	J								
		Statistically Adjusted Result for Associated DUs (2-3)					No Adjustment Needed	No Adjustment Calculated	Adjust Upward Using RSD	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Calculated	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed		
Soil Berns	DU-41	ISM	0-1	DU-41 (0-1)A	10/24/2022	8.09	J	34.2		51.6		142	196	J	269	106	J	214	J	221	24.1		331	6.07	J	209	J	17.6		23.0		22.1		107		364		11.6		2,080		252		283	J				
			0-1 FR	DU-41 (0-1)B	10/24/2022	5.06	J	41.7		50.4		128	233		326	96.9	J	252		225	30.8		267	6.20	J	252		21.5		26.9		35.4		122		301		13.1		2,110		288		336	J				
			0-1 FR	DU-41 (0-1)C	10/24/2022	8.96	J	31.6		60.5		112	172		271	77.1	J	186		197	25.4		261	7.76	J	183		10.3		15.7		23.9		164		268		18.4		1,750		312		255	J				
			Mean Concentration					7.37	J	35.8		54.2	127	200	J	289	93.3	J	217	J	214	26.8		286	6.68	J	215	J	16.47		21.9		27.1		131		311		14.4		1,980		284		291	J			
			RSD					22.7%		11.9%		8.32%	9.63%	12.5%	9.15%	12.9%	12.4%	5.77%	10.8%	11.1%	11.5%	13.3%	12.8%	11.5%	11.5%	13.3%	12.8%	21.2%	21.7%	18.4%		12.8%		20.3%		8.24%		8.68%		11.5%									
			RSD Evaluation					Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good			
			Adjusted Result for DU-41 (0-1)					7.37	J	35.8		54.2	127	200	J	289	93.3	J	217	J	214	26.8		286	6.68	J	215	J	16.47		21.9		27.1		131		311		14.4		1,980		284		291	J			
			Statistically Adjusted Result for Associated DUs (0-1)					No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed	No Adjustment Needed
			1-2	DU-41 (1-2)A	10/26/2022	30.0		25.1	U	56.8		139	172		247	97.1	J	188		226	25.1		315	23.4		173		80.3		92.6		70.1		274		354		42.7		1,940		559		254	J				
			1-2 FR	DU-41 (1-2)B	10/26/2022	14.2	U	28.3	U	56.6		123	189		287	92.3	J	190		235	26.4		277	13.7		183		101		115		83.8		254		319		1,920		544		276	J						
			1-2 FR	DU-41 (1-2)C	10/26/2022	10.1	U	22.2	U	27.0		86.1	134		212	65.4	J	144		161	18.9		194	6.46	J	135		55.9		62.8		56.4		138		215		1,370		307		197	J						
			Mean Concentration					18.1		28.3	U	46.																																					

Table I-5  
Leave Surface Replicate Evaluation  
Willamette Cove Upland Facility  
Portland, Oregon

Decision Unit	Represtatative Decision Unit	Excavation Depth (ft bgs)	Leave Surface (feet bgs)	Analytes with Low RSD Evaluation	RSD	RSD Evaluation	Ecological Screening Levels		Human Health Screening Levels		Original Result	Statistically Adjusted Result	Change in Excavation Depth	Adjusted Ecavation Depth
DU-7	DU-5	1	1-2	Merucry	0.58	Poor	0.073	0.15	--	--	<b>0.130</b>	<b>0.205</b>	Yes	2
DU-17	DU-18	2	2-3	None	--	--	--	--	--	--	--	--	--	--
DU-20	DU-22	1	1-2	Total PCBs	0.59	Poor	98	980	740	40,000	4.96	7.91	No	--
DU-24	DU-26	2	2-3	Total HPAH	0.56	Poor	5,600	56,000	--	--	88.3	138	No	--
				Total cPAHs	0.65	Poor	--	--	550	55,000	14.5	23.9	No	--
				Total HPAH	0.56	Poor	5,600	56,000	--	--	613	959	No	--
DU-25	DU-26	2	2-3	Total cPAHs	0.65	Poor	--	--	550	55,000	87.3	144	No	--
				None	--	--	--	--	--	--	--	--	--	--
DU-37	DU-26	0	0-1	Total HPAH	0.56	Poor	5,600	56,000	--	--	704	1,101	No	--
DU-35	DU-38	1	1-2	cPAHs	0.65	Poor	--	--	550	55,000	119	196	No	--
				Total HPAH	0.56	Poor	5,600	56,000	--	--	427	669	No	--
DU-38	DU-38	1	1-2	cPAHs	0.65	Poor	--	--	550	55,000	55.5	91.5	No	--

**Notes:**

ft bgs = feet below ground surface

RSD = relative standard deviation

PRG = preliminary remediation goal

**Bolded** values exceed the Preliminary Remediation Goal (PRG).

Shaded values exceed the hot spot level.

PCBs = polychlorinated biphenyls.

PRG = preliminary Remediation Goal: cleanup level adopted from the *Revised Feasibility Study and Source Control Evaluation, Willamette Cove Upland Facility* (Apex, 2019).

Hot spot level adopted from the *Revised Feasibility Study and Source Control Evaluation, Willamette Cove Upland Facility* (Apex, 2019).

HPAH = high-molecular-weight polycyclic aromatic hydrocarbon

cPAHs = carcinogenic polycyclic aromatic hydrocarbon

Low RSD Evaluation inclues a poor or very poor ratings

Statistically adjusted result is calcaulated by adjusting the original result upwards by the RSD