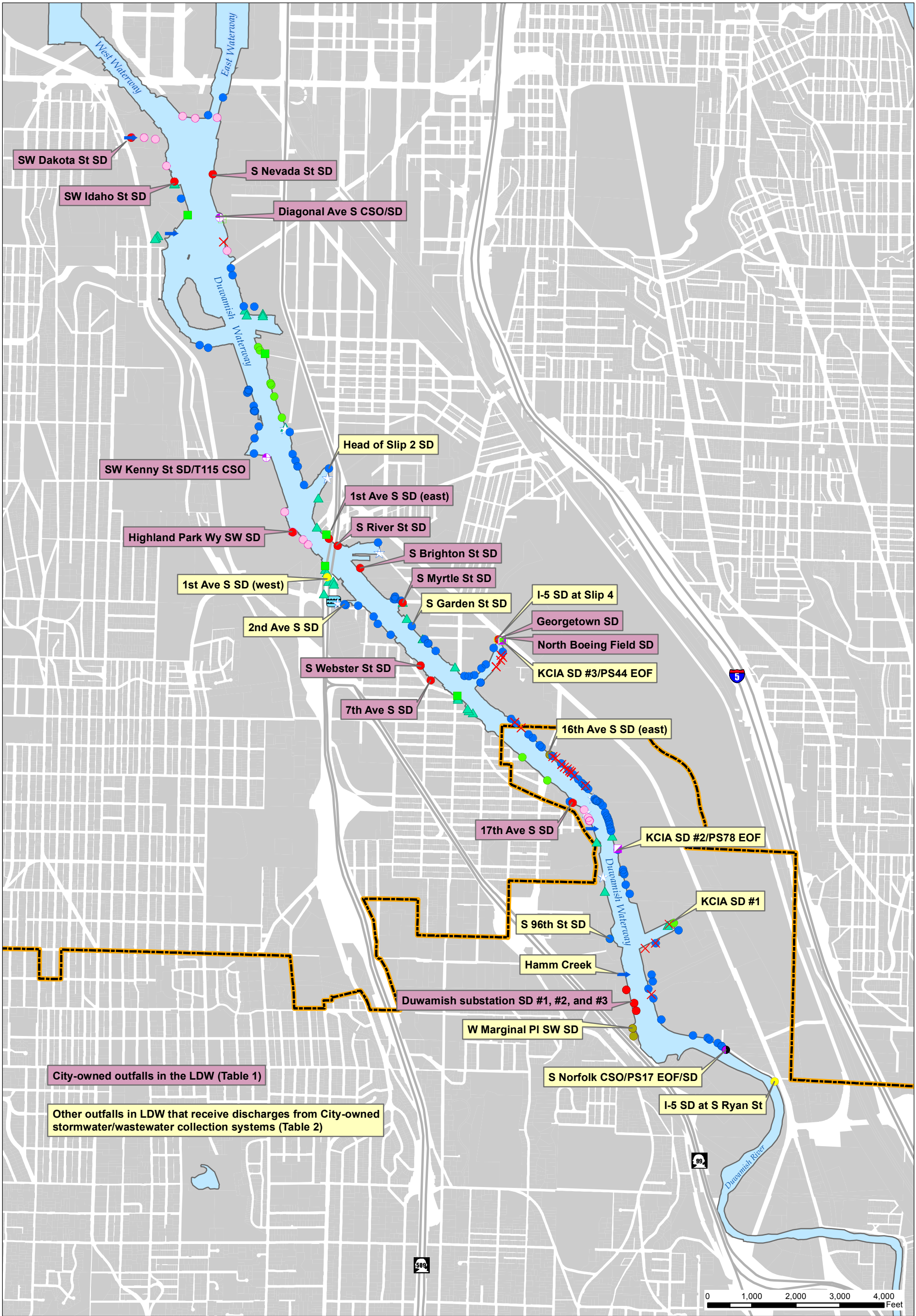


City of Seattle Source Control Implementation Plan

Volume 2: Map Atlas

May 10, 2016

Map Number	Description	Map Number	Description
1	Lower Duwamish Waterway outfalls		
2	Lower Duwamish Waterway storm drainage basin		
3	Lower Duwamish Waterway combined sewer Basin		
Ortho/Basin Boundary Maps		Sample Location Maps	
4	S Nevada St SD	52	Samples in the storm drainage basin
5a	Diagonal Ave S CSO/SD (east)	53	Samples in the combined sewer basin
5b	Diagonal Ave S CSO/SD (west)	54	S Nevada St SD
6	1st Ave S SD (east)	55a	Diagonal Ave S CSO/SD (east)
7	Head of Slip 2 SD	55b	Diagonal Ave S CSO/SD (west)
8	S River St SD	56	1st Ave S SD (east)
9	S Brighton St SD	57	S River St SD
10	S Myrtle St SD	58	S Brighton St SD
11	S Garden St SD	59	S Myrtle St SD
12	Georgetown SD	60	S Garden St SD
13	I-5 SD at Slip 4	61	Georgetown SD
14	16th Ave S SD, east	62	I-5 SD at Slip 4
15	KCIA SD#1	63	16th Ave S SD, east
16	Norfolk CSO/PS17 EOF/SD	64	KCIA SD#1
17	I-5 SD at S Ryan St	65	Norfolk CSO/PS17 EOF/SD
18	SW Dakota St SD	66	I-5 SD at S Ryan St
19	SW Idaho St SD	67	SW Dakota St SD
20	SW Kenny St SD/T115 CSO	68	SW Idaho St SD
21	Highland Park Wy SW SD	69	SW Kenny St SD/T115 CSO
22	1st Ave S SD (west)	70	Highland Park Wy SW SD
23	2nd Ave S SD	71	1st Ave S SD (west)
24	7th Ave S SD	72	2nd Ave S SD
25	17th Ave S SD	73	7th Ave S SD
26	S 96th St SD	74	S 96th St SD
27	Duwamish substation SDs		
28	Combined Sewer Basin		
Business Inspection/WQ Complaints/Spills Maps		Other	
29	S Nevada St SD	75	Sediment Trap Locations
30a	Diagonal Ave S CSO/SD (east)	76	Storm Drains Cleaned (2008-2014)
30b	Diagonal Ave S CSO/SD (west)	77	Street Sweeping for Water Quality Routes
31	1st Ave S SD (east)	78	Norfolk Wet Pond Drainage Basin Boundary
32	Head of Slip 2 SD	79	City Owned Properties
33	S River St SD	80	Source Tracing in Diagonal/S Snoqualmie St sub-basin
34	S Brighton St SD	81	IDDE areas
35	S Myrtle St SD	82	City Owned Properties on Ecology Contaminated Site List
36	S Garden St SD	83	Private Drainage Facilities
37	Georgetown SD	84	SDOT paving (2008-2014)
38	I-5 SD at Slip 4	85	Lead and mercury results in the Diagonal Ave S CSO/SD
39	16th Ave S SD, east	86	Source tracing in Diagonal/S Dakota St sub-basin
40	KCIA SD#1		
41	Norfolk CSO/PS17 EOF/SD		
42	I-5 SD at S Ryan St		
43	SW Dakota St SD		
44	SW Idaho St SD		
45	SW Kenny St SD/T115 CSO		
46	Highland Park Wy SW SD		
47	1st Ave S SD (west)		
48	2nd Ave S SD		
49	7th Ave S SD		
50	S 96th St SD		
51	Combined Sewer Basin		



Lower Duwamish Waterway

Map No. 1 - Outfalls



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Outfalls (by use/user)**
- Abandoned
 - Channel/Ditch

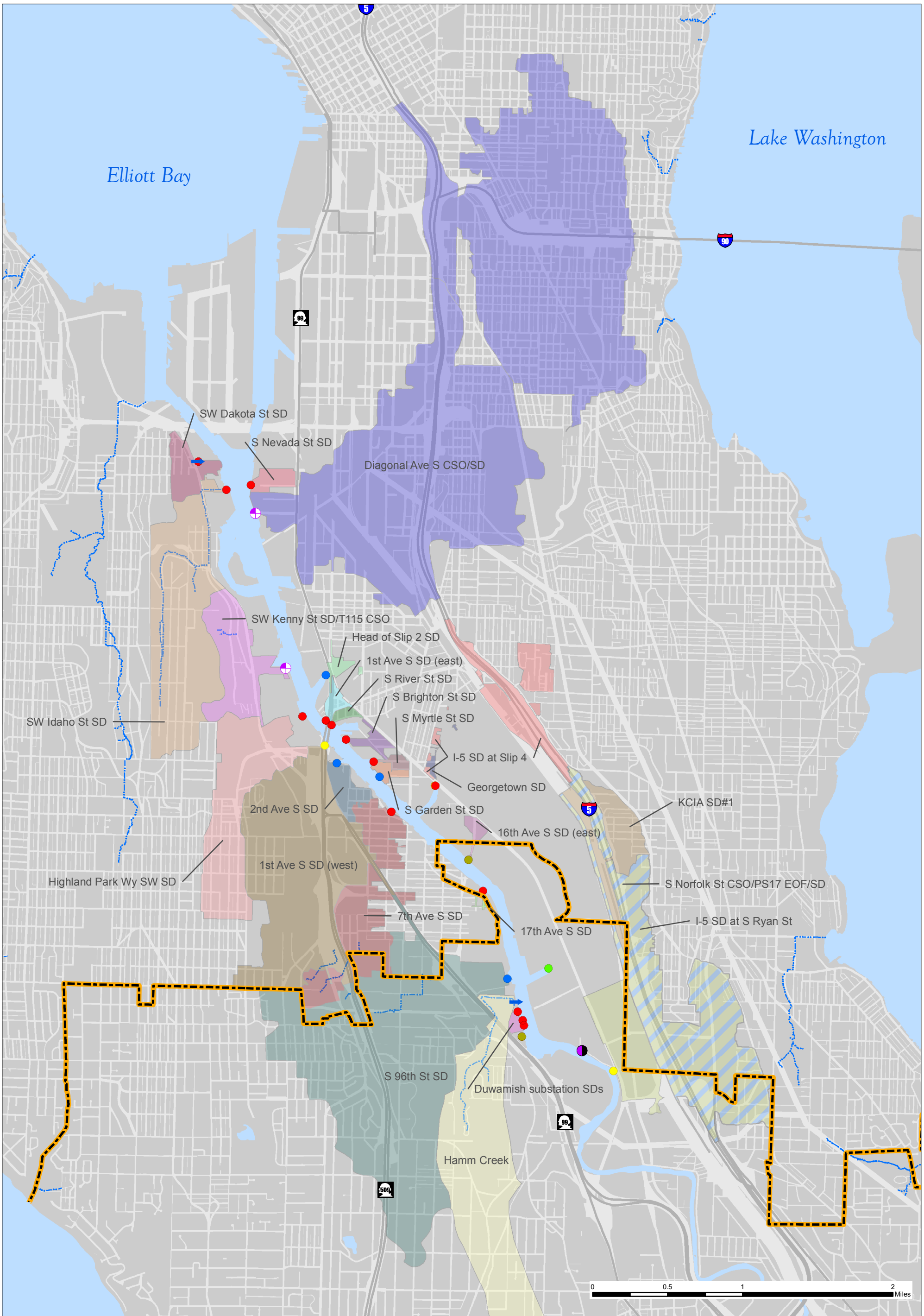
- CSO - King County
- CSO/EOF/SD - SPU/KC/Tukwila
- CSO/SD - SPU/KC
- EOF-King County
- EOF/SD-SPU/KC

- SD - City of Seattle
- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila

- SD - WSDOT/SPU
- Seep
- Unknown
- Water supply overflow

SD = storm drain, CSO = combined sewer overflow, EOF = emergency overflow
SPU = Seattle Public Utilities, KC = King County

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_1_outfalls.mxd



Lower Duwamish Waterway

Map No. 2 - Storm Drain Basins



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Seattle City Limits
- Freeway/Highway
- Streams

City of Seattle Storm Drain Basins

- 16th Ave S SD (east)
- 17th Ave S SD
- 1st Ave S SD (east)
- 1st Ave S SD (west)
- 2nd Ave S SD

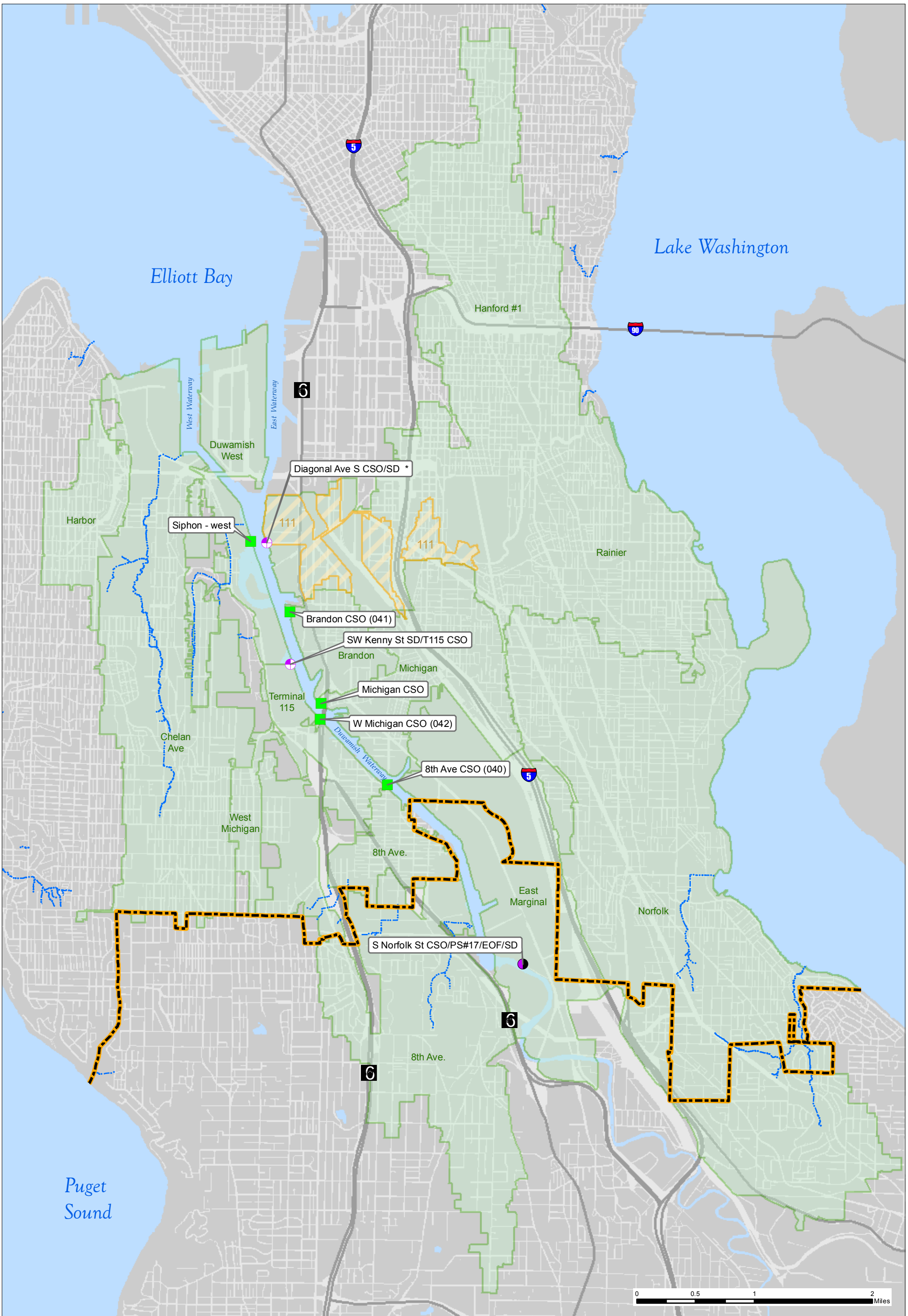
- 7th Ave S SD
- Diagonal Ave S CSO/SD
- Duwamish substation SDs
- Georgetown SD
- Hamm Creek
- Head of Slip 2 SD
- Highland Park Wy SW SD
- I-5 SD at S Ryan St
- I-5 SD at Slip 4
- KC SD#1

- S 96th St SD
- S Brighton St SD
- S Garden St SD
- S Myrtle St SD
- S Nevada St SD
- S Norfolk St CSO/PS17 EOF/SD
- S River St SD
- SW Dakota St SD
- SW Kenny St SD/T115 CSO

Outfalls

- Channel/Ditch
- CSO/EOF/SD - SPU/KC
- CSO/SD - SPU/KC
- SD - City
- SD - Private
- SD - KC
- SD - Tukwila
- SD - WSDOT/City

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_2_SDbasin.mxd



Lower Duwamish Waterway
Map No. 3 - Combined Sewer Basins



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Seattle City Limits
- Freeway/Highway
- Streams

- Outfalls**
- CSO - KC
 - CSO/EOF/SD - SPU/KC
 - CSO/SD - SPU/KC

- City of Seattle Combined Sewer Overflow Basin
- King County Combined Sewer Overflow Basins

* SPU CSO 111 and KC Hanford #1 discharge to this outfall

0 0.5 1 2 Miles

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_3_CSbasin.mxd



S Nevada St SD
Map No. 4 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

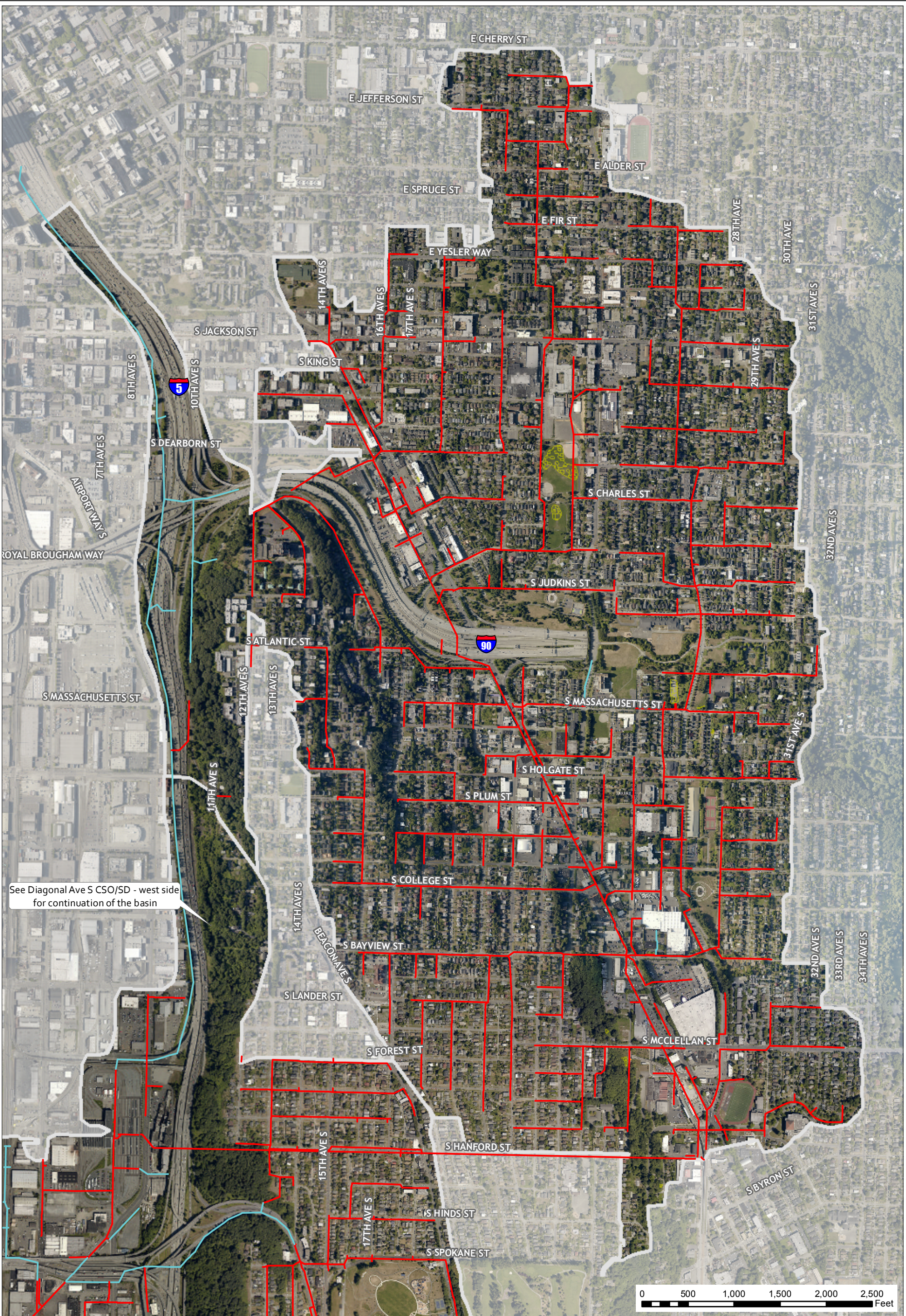
- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains
- MS₄
 - Non-MS₄
 - Unknown

- Open Drainage
- MS₄
 - Non-MS₄
 - Unknown
 - Stream

- Outfalls (by use/user)
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU



Diagonal Ave S CSO/SD - east side
Map No. 5a - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

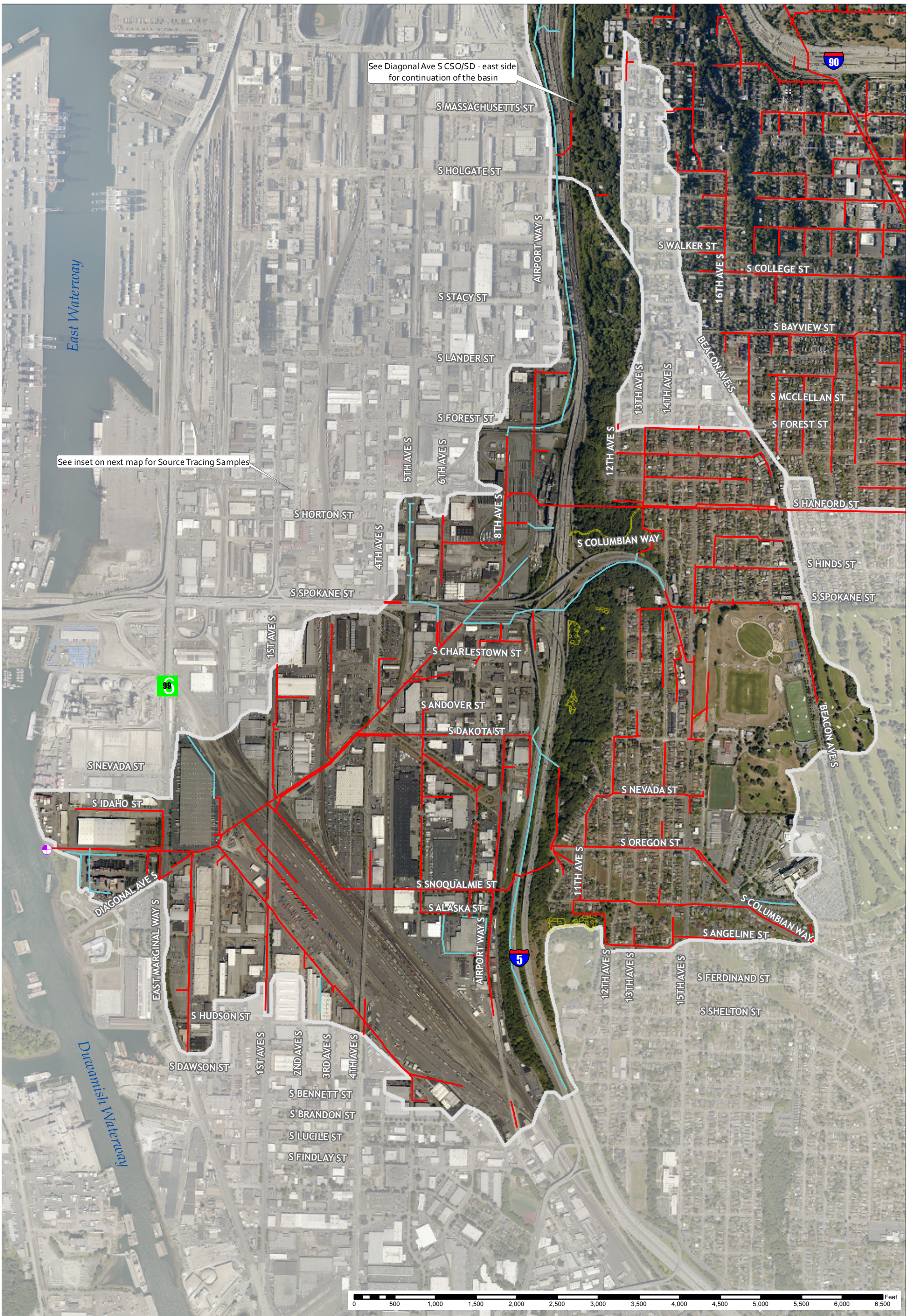
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



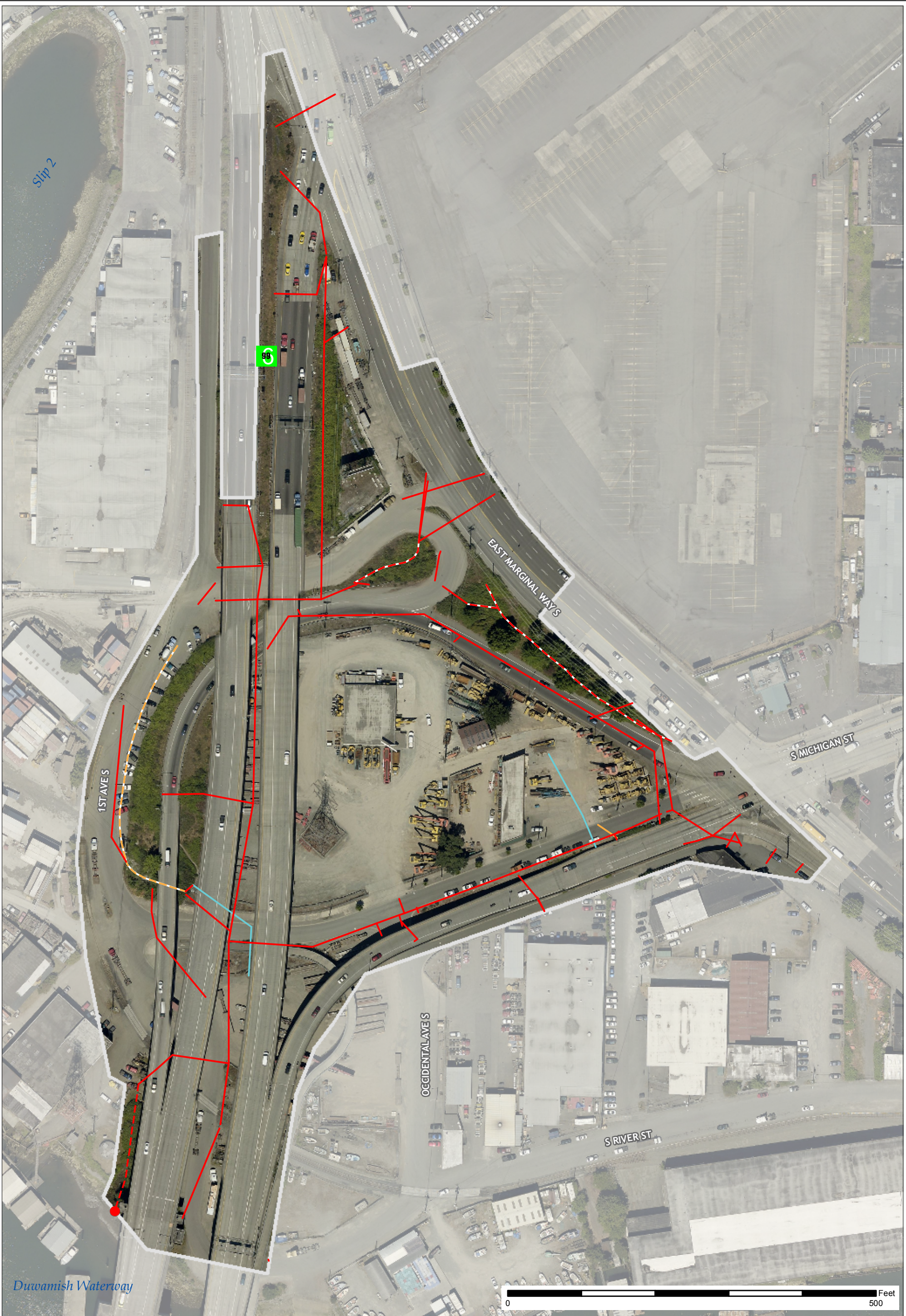
Diagonal Ave S CSO/SD - west side
Map No. 5b - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | | | |
|---------------------|---------------------|----------------------|-------------------------------|
| Basin Boundary | Storm Drains | Open Drainage | Outfalls (by use/user) |
| Wetland | MS4 | MS4 | SD - Private |
| Seattle City Limits | Non-MS4 | Non-MS4 | SD - King County |
| | Unknown | Unknown | SD - Port of Seattle |
| | | Stream | SD - City of Tukwila |
| | | | SD - WSDOT/SPU |
| | | | CSO/EOF/SD-SPU/KC/Tukwila |
| | | | Channel/Ditch |
| | | | CSO/SD - SPU/KC |
| | | | EOF/SD - SPU/KC |
| | | | SD - City of Seattle |

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



1st Ave S SD (east)
Map No. 6 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Basin Boundary	Storm Drains	Open Drainage	Outfalls (by use/user)	SD - Private
Wetland	MS4	MS4	CSO/EOF/SD-SPU/KC/Tukwila	SD - King County
Seattle City Limits	Non-MS4	Non-MS4	Channel/Ditch	SD - Port of Seattle
	Unknown	Unknown	CSO/SD - SPU/KC	SD - City of Tukwila
		Stream	EOF/SD - SPU/KC	SD - WSDOT/SPU
			SD - City of Seattle	

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



Head of Slip 2 SD
Map No. 7 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains**
- MS₄
 - Non-MS₄
 - Unknown

- Open Drainage**
- MS₄
 - Non-MS₄
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



S River St SD
Map No. 8 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

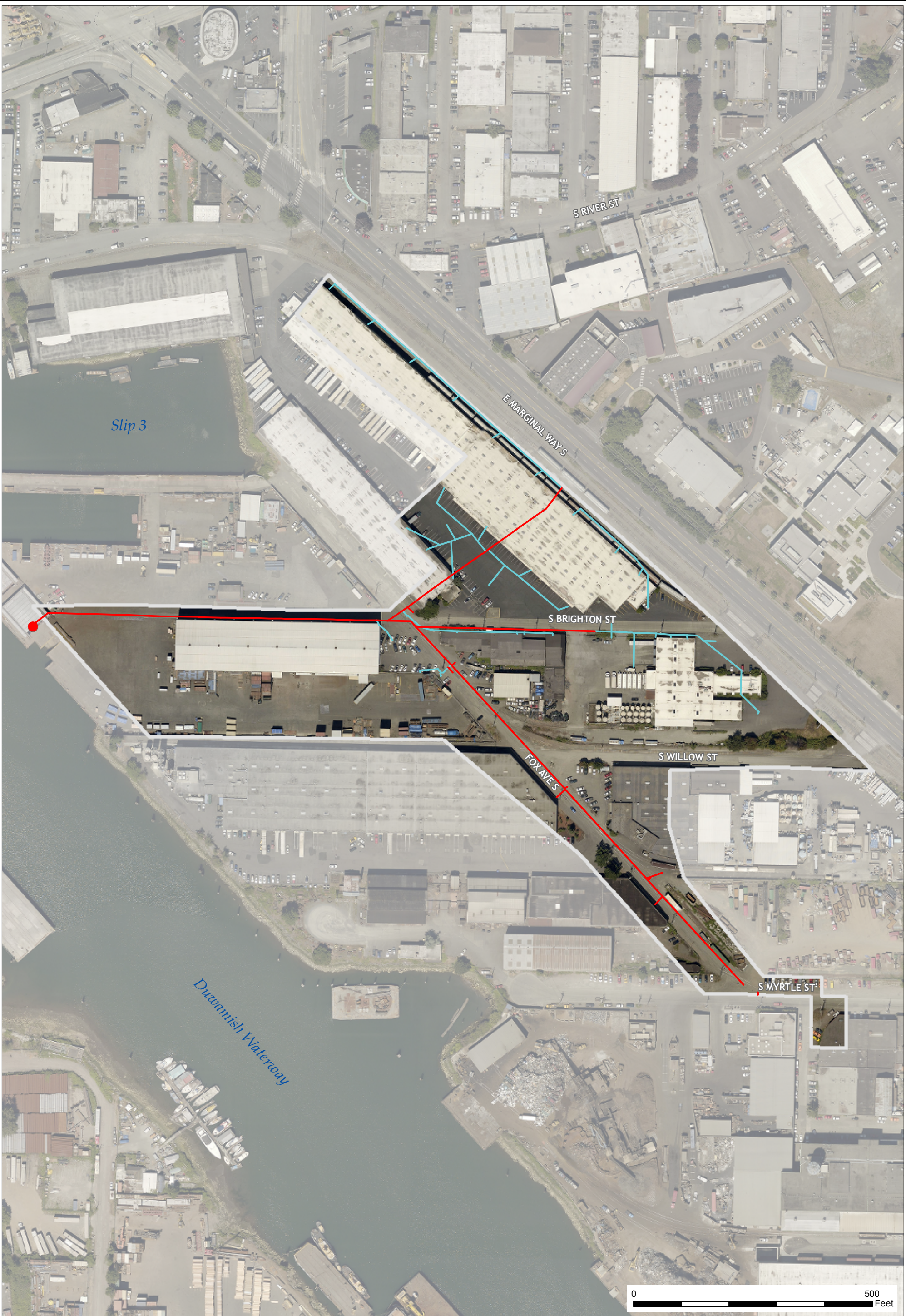
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



S Brighton St SD
Map No. 9 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



S Myrtle St SD
Map No. 10 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

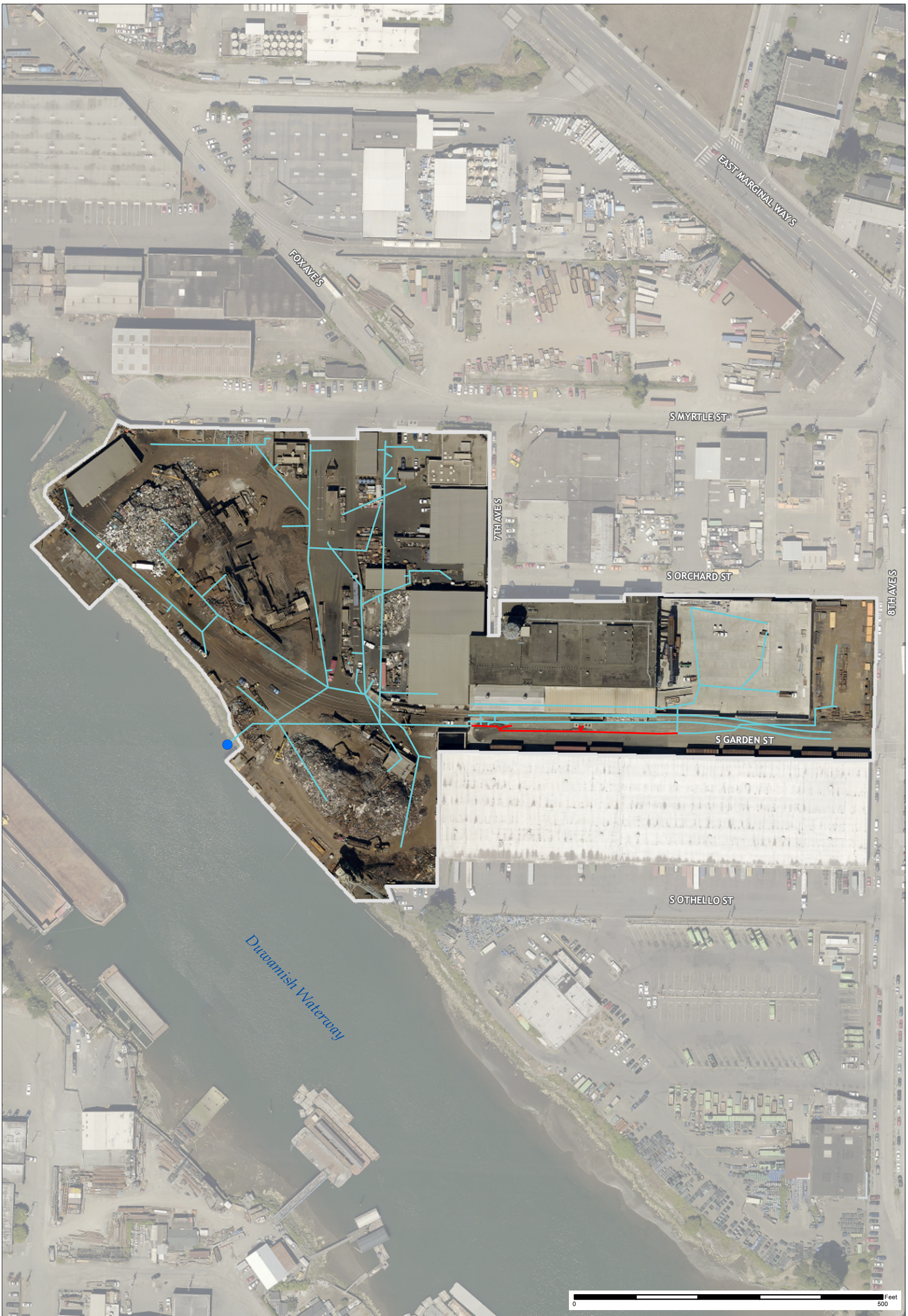
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



S Garden St SD
Map No. 11 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains
- MS₄
 - Non-MS₄
 - Unknown

- Open Drainage
- MS₄
 - Non-MS₄
 - Unknown
 - Stream

- Outfalls (by use/user)
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU



Georgetown SD
Map No. 12 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | | | | |
|---------------------|---------------------|----------------------|-------------------------------|----------------------|
| Basin Boundary | Storm Drains | Open Drainage | Outfalls (by use/user) | SD - Private |
| Wetland | MS4 | MS4 | CSO/EOF/SD-SPU/KC/Tukwila | SD - King County |
| Seattle City Limits | Non-MS4 | Non-MS4 | Channel/Ditch | SD - Port of Seattle |
| | Unknown | Unknown | CSO/SD - SPU/KC | SD - City of Tukwila |
| | | Stream | EOF/SD - SPU/KC | SD - WSDOT/SPU |
| | | | SD - City of Seattle | |

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



I-5 SD at Slip 4
Map No. 13 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains**
- MS₄
 - Non-MS₄
 - Unknown

- Open Drainage**
- MS₄
 - Non-MS₄
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



16th Ave S SD (east)
Map No. 14 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains**
- MS₄
 - Non-MS₄
 - Unknown

- Open Drainage**
- MS₄
 - Non-MS₄
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



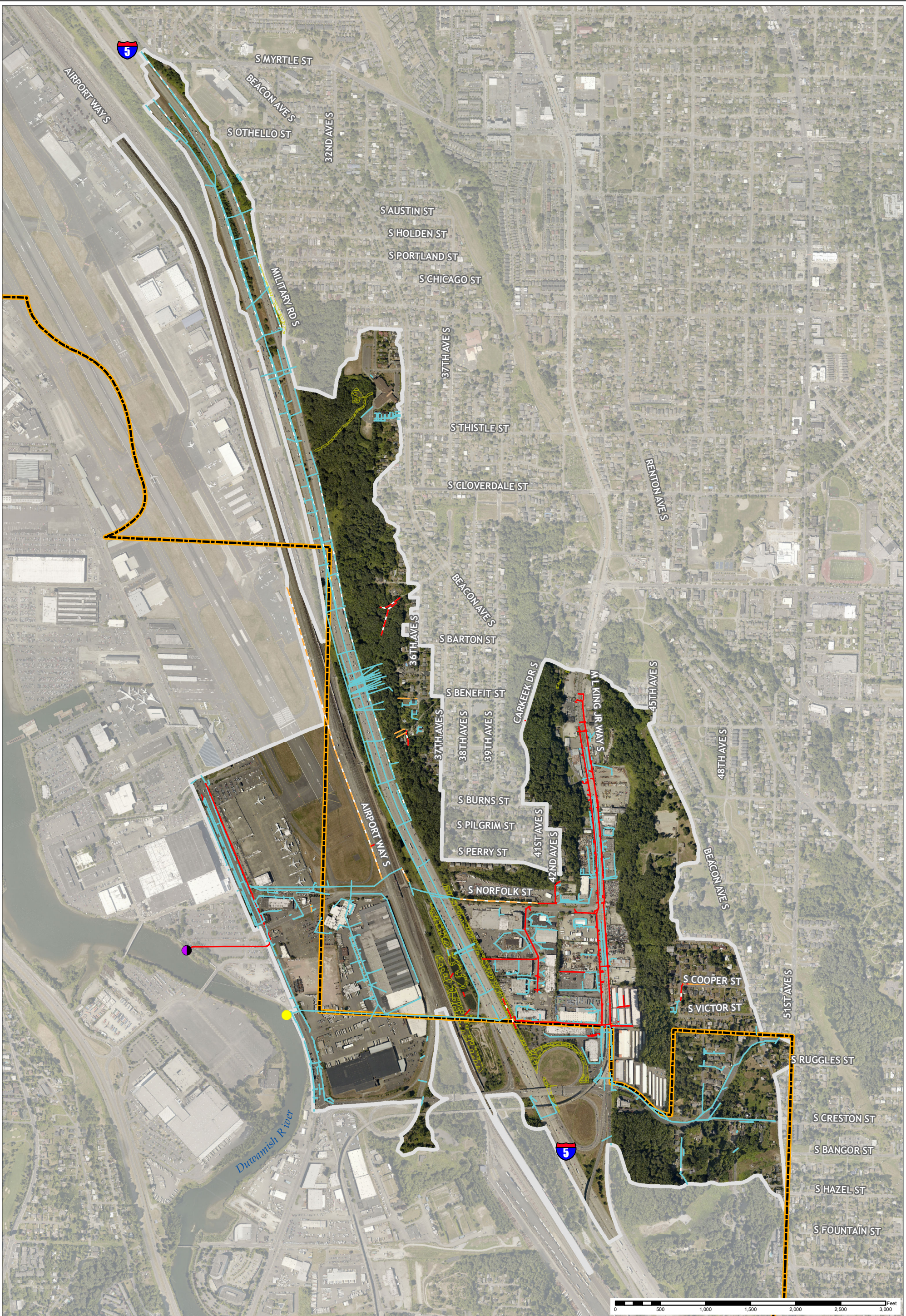
KCSD#1
Map No. 15 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | | | | |
|---------------------|---------------------|----------------------|-------------------------------|----------------------|
| Basin Boundary | Storm Drains | Open Drainage | Outfalls (by use/user) | SD - Private |
| Wetland | MS4 | MS4 | CSO/EOF/SD-SPU/KC/Tukwila | SD - King County |
| Seattle City Limits | Non-MS4 | Non-MS4 | Channel/Ditch | SD - Port of Seattle |
| | Unknown | Unknown | CSO/SD - SPU/KC | SD - City of Tukwila |
| | | Stream | EOF/SD - SPU/KC | SD - WSDOT/SPU |
| | | | SD - City of Seattle | |

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



S Norfolk St CSO/PS17 EOF/SD
Map No. 16 - Drainage Basin Boundary



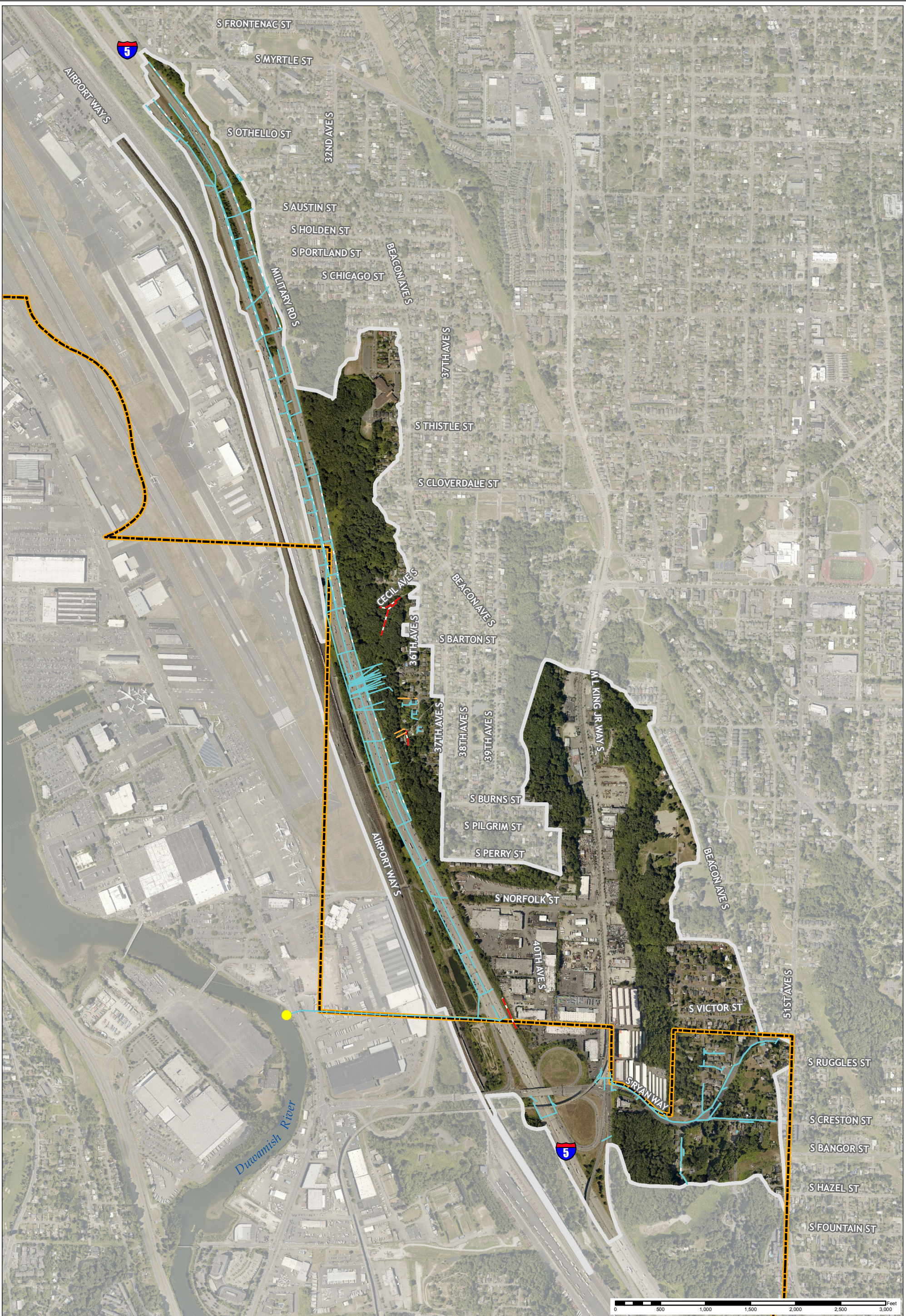
City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | | | | |
|---------------------|---------------------|----------------------|-------------------------------|----------------------|
| Basin Boundary | Storm Drains | Open Drainage | Outfalls (by use/user) | SD - Private |
| Wetland | MS4 | MS4 | CSO/EOF/SD-SPU/KC/Tukwila | SD - King County |
| Seattle City Limits | Non-MS4 | Non-MS4 | Channel/Ditch | SD - Port of Seattle |
| | Unknown | Unknown | CSO/SD - SPU/KC | SD - City of Tukwila |
| | | Stream | EOF/SD - SPU/KC | SD - WSDOT/SPU |
| | | | SD - City of Seattle | |

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



I-5 SD at S Ryan St
Map No. 17 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



SW Dakota St SD
Map No. 18 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | | | | |
|---------------------|---------------------|----------------------|-------------------------------|----------------------|
| Basin Boundary | Storm Drains | Open Drainage | Outfalls (by use/user) | SD - Private |
| Wetland | MS4 | MS4 | CSO/EOF/SD-SPU/KC/Tukwila | SD - King County |
| Seattle City Limits | Non-MS4 | Non-MS4 | Channel/Ditch | SD - Port of Seattle |
| | Unknown | Unknown | CSO/SD - SPU/KC | SD - City of Tukwila |
| | | Stream | EOF/SD - SPU/KC | SD - WSDOT/SPU |
| | | | SD - City of Seattle | |

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



SW Idaho St SD
Map No. 19 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU



SW Kenny St SD/T115 CSO
Map No. 20 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



Highland Park Wy SW SD
Map No. 21 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

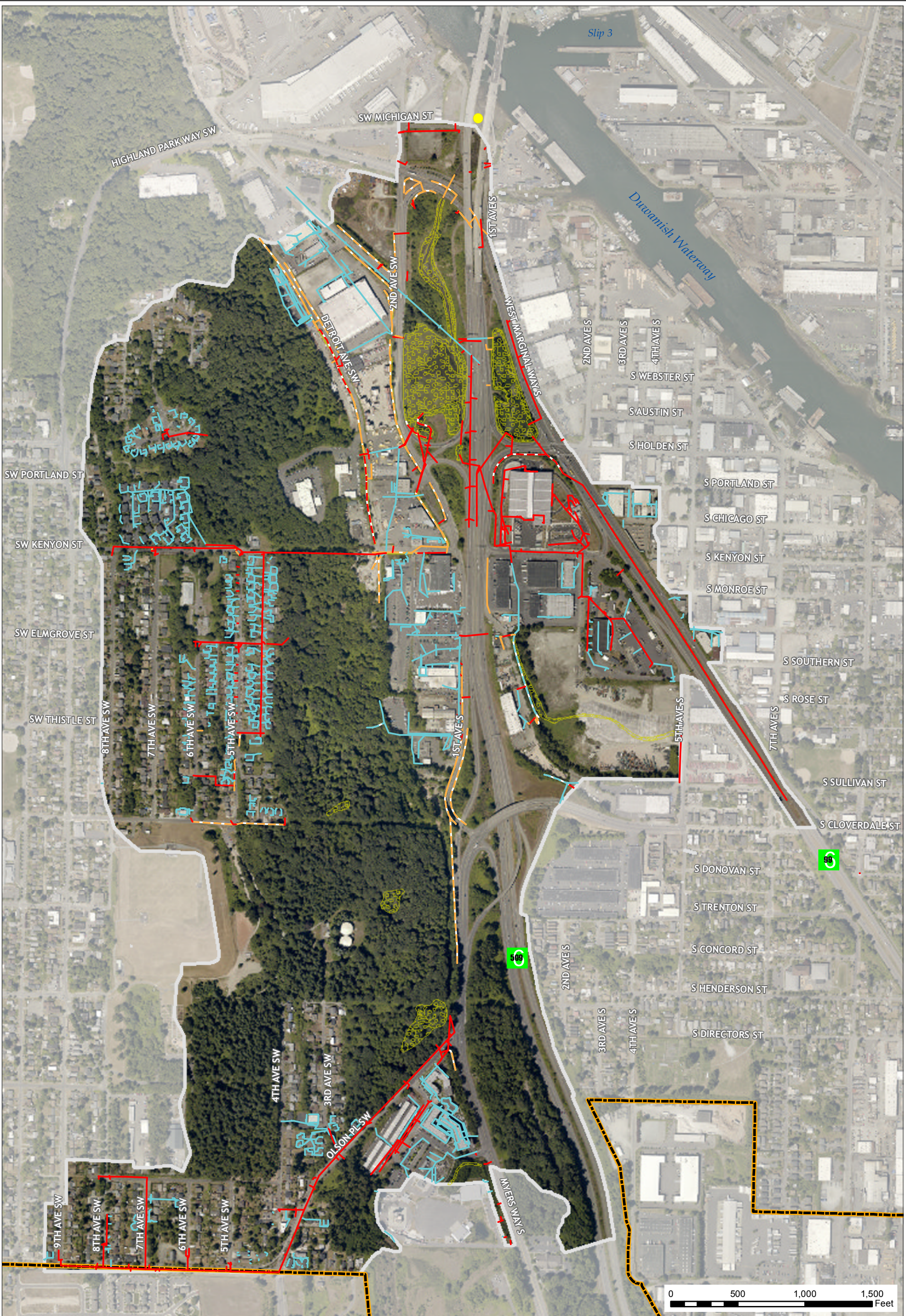
- Storm Drains**
- MS₄
 - Non-MS₄
 - Unknown

- Open Drainage**
- MS₄
 - Non-MS₄
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



1st Ave S SD (west)
Map No. 22 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

 Basin Boundary	Storm Drains	Open Drainage	Outfalls (by use/user)	 SD - Private
 Wetland	 MS4	 MS4	 CSO/EOF/SD-SPU/KC/Tukwila	 SD - King County
 Seattle City Limits	 Non-MS4	 Non-MS4	 Channel/Ditch	 SD - Port of Seattle
	 Unknown	 Unknown	 CSO/SD - SPU/KC	 SD - City of Tukwila
		 Stream	 EOF/SD - SPU/KC	 SD - WSDOT/SPU
			 SD - City of Seattle	

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



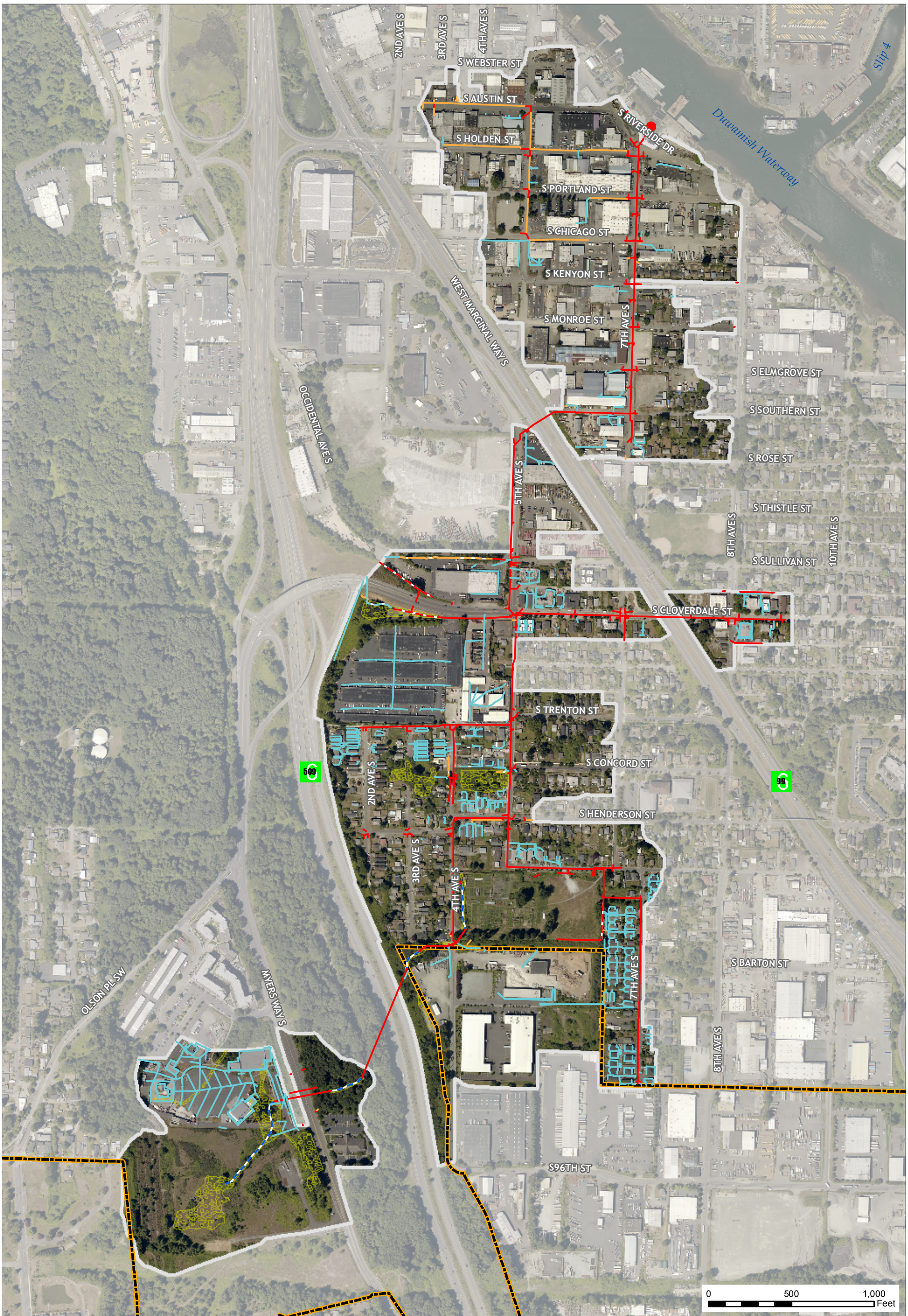
2nd Ave S SD
Map No. 23 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | | | | |
|---------------------|---------------------|----------------------|-------------------------------|----------------------|
| Basin Boundary | Storm Drains | Open Drainage | Outfalls (by use/user) | SD - Private |
| Wetland | MS4 | MS4 | CSO/EOF/SD-SPU/KC/Tukwila | SD - King County |
| Seattle City Limits | Non-MS4 | Non-MS4 | Channel/Ditch | SD - Port of Seattle |
| | Unknown | Unknown | CSO/SD - SPU/KC | SD - City of Tukwila |
| | | Stream | EOF/SD - SPU/KC | SD - WSDOT/SPU |
| | | | SD - City of Seattle | |

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



7th Ave S SD
Map No. 24 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



17th Ave S SD
Map No. 25 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

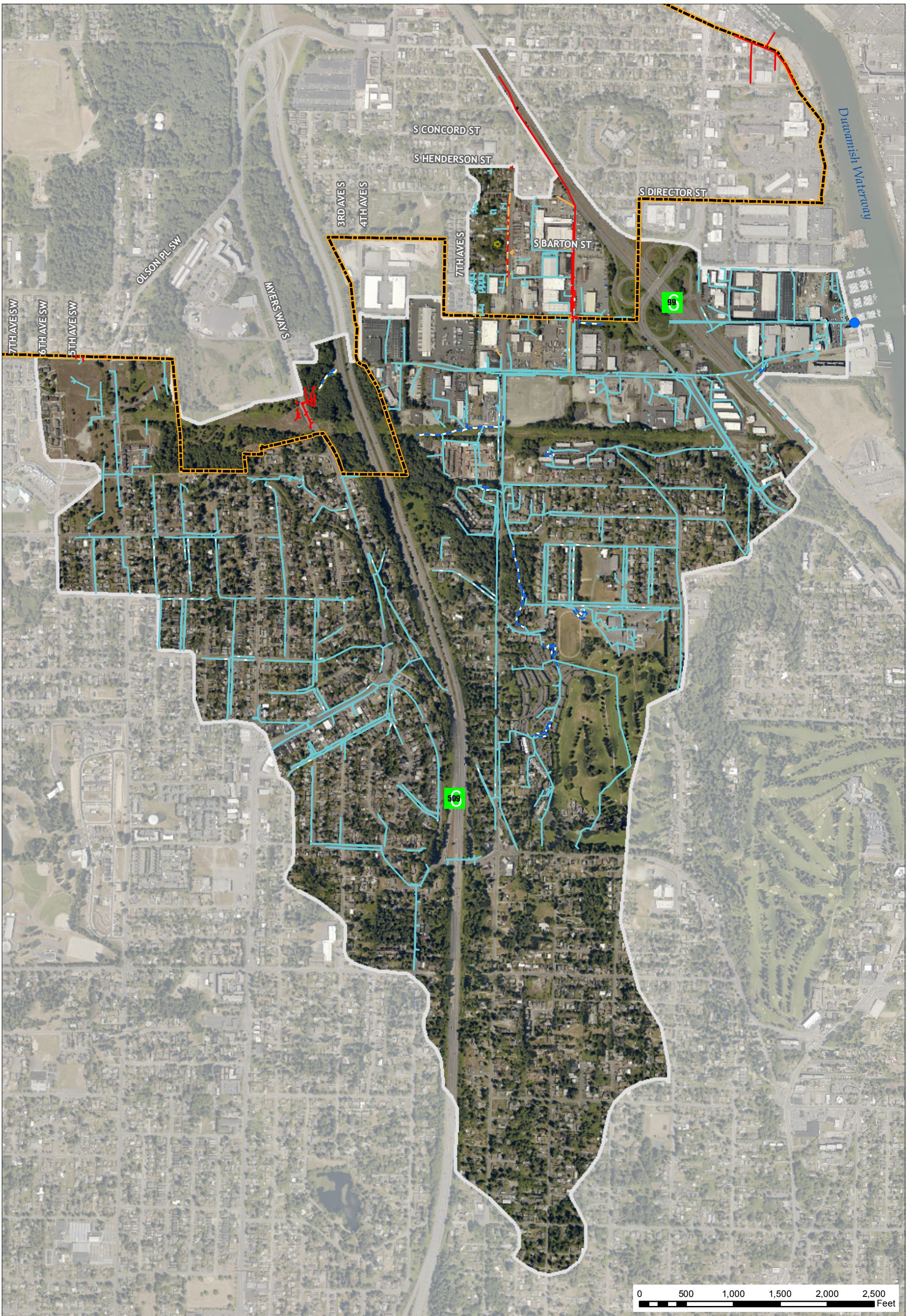
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



S 96th St SD
Map No. 26 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

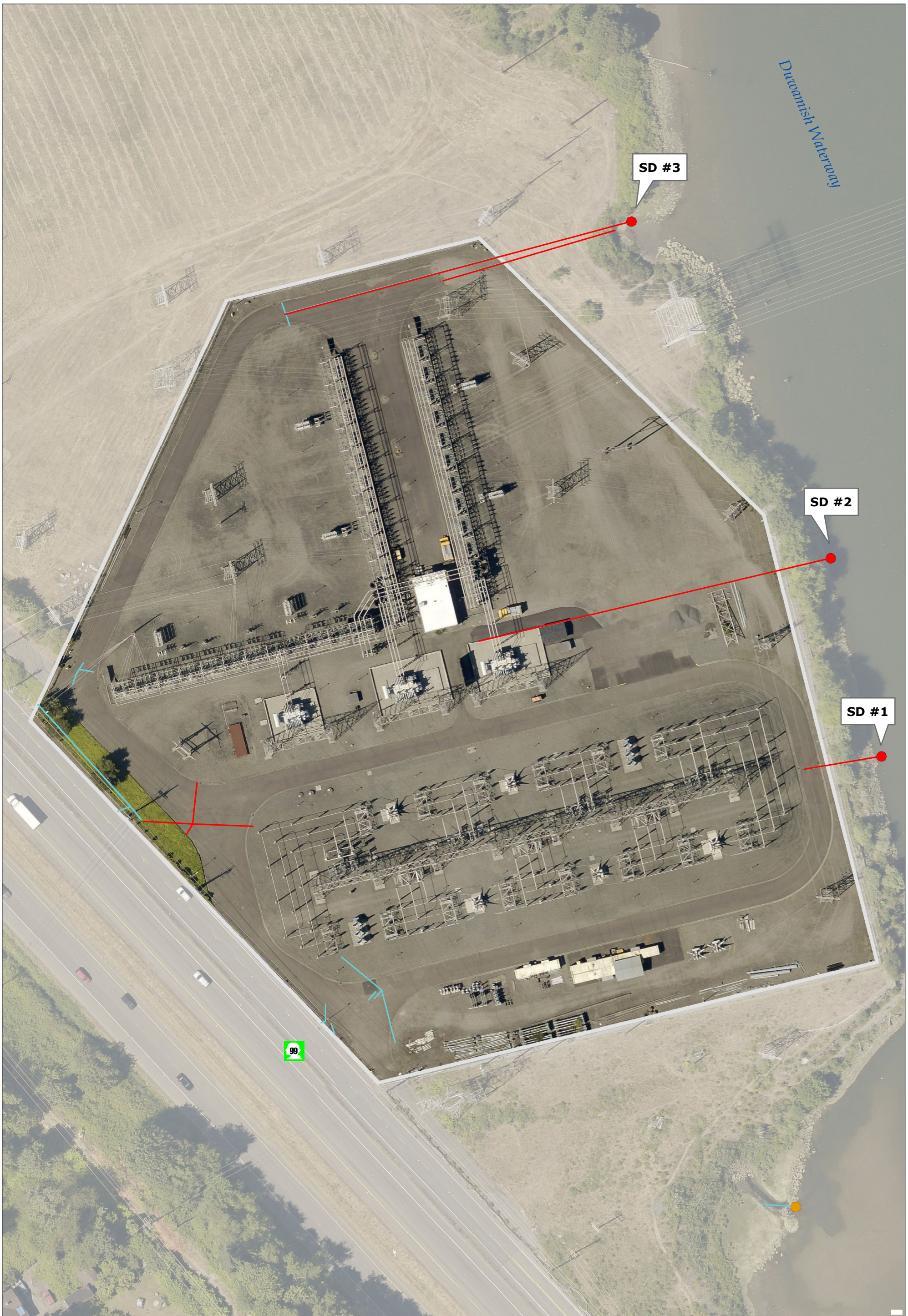
- Storm Drains**
- MS₄
 - Non-MS₄
 - Unknown

- Open Drainage**
- MS₄
 - Non-MS₄
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



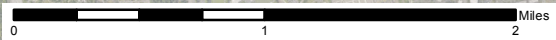
Duwamish substation SDs
Map No. 27 - Drainage Basin Boundary



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | | | | |
|---------------------|---------------------|----------------------|-------------------------------|----------------------|
| Basin Boundary | Storm Drains | Open Drainage | Outfalls (by use/user) | SD - Private |
| Wetland | MS4 | MS4 | CSO/EOF/SD-SPU/KC/Tukwila | SD - King County |
| Seattle City Limits | Non-MS4 | Non-MS4 | Channel/Ditch | SD - Port of Seattle |
| | Unknown | Unknown | CSO/SD - SPU/KC | SD - City of Tukwila |
| | | Stream | EOF/SD - SPU/KC | SD - WSDOT/SPU |
| | | | SD - City of Seattle | |

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



Combined Sewer Basin
Map No. 28 - Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Seattle City Limits

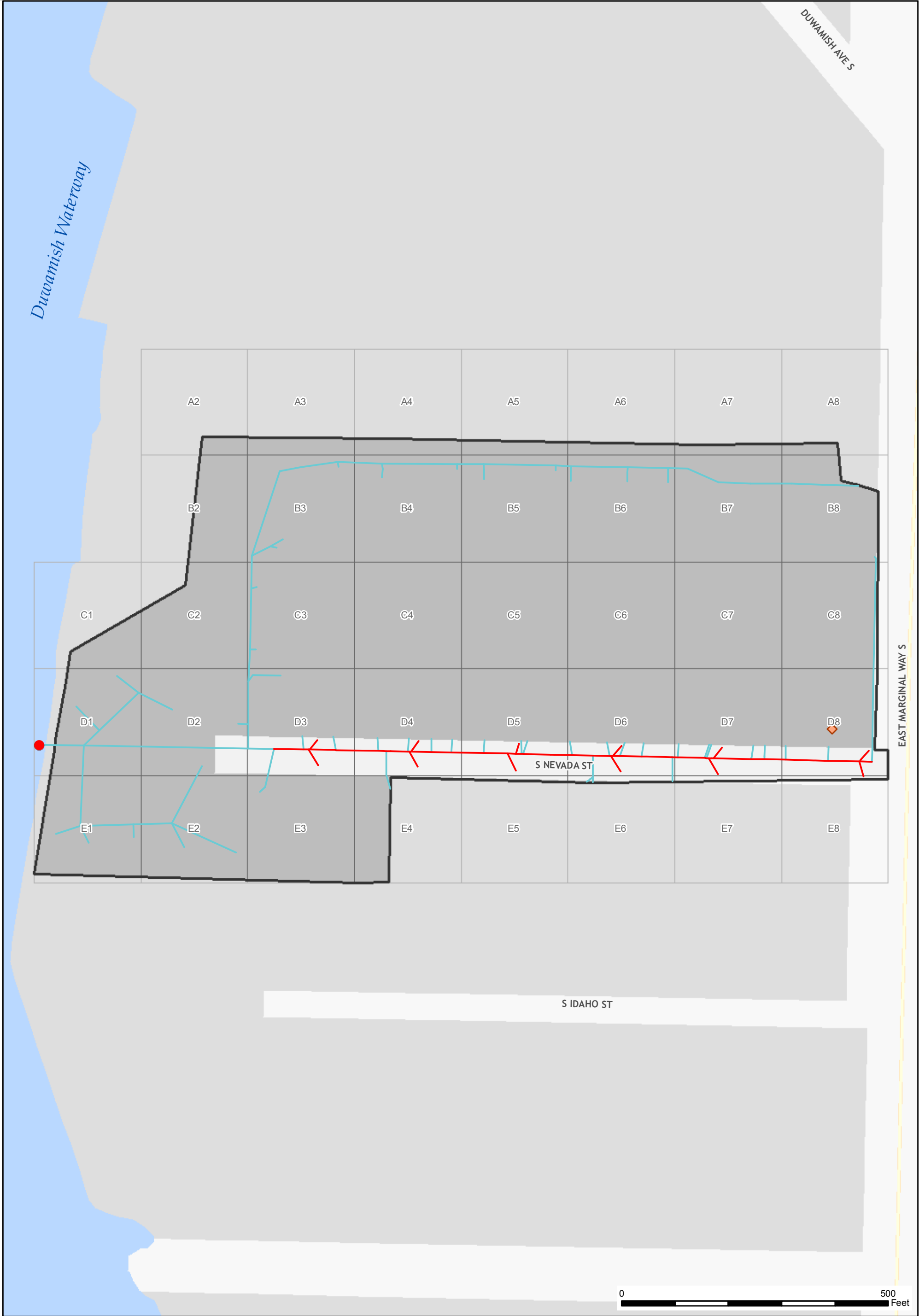
- Storm Drains**
- MS₄
 - Non-MS₄
 - Unknown

- Open Drainage**
- MS₄
 - Non-MS₄
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



S Nevada St SD

Map No. 29 - SPU Business Inspections and Spill/Water Quality Complaints



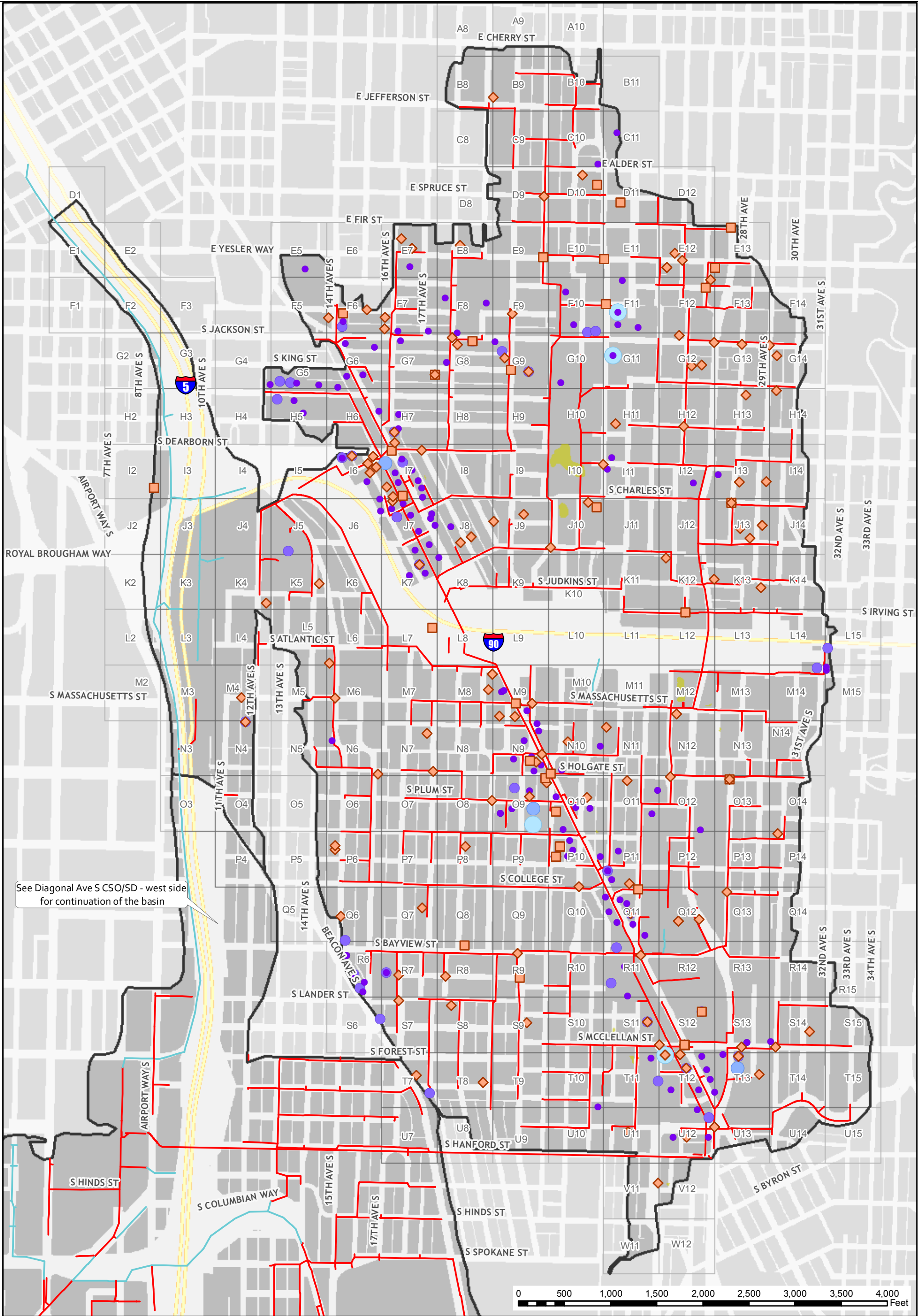
City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | | | | | |
|---------------------|----------------------|--|-----------------------------|-------------------|--------------|
| Basin Boundary | Open Drainage | Business Inspection (businesses per location) | Spills/WQ Complaints | Outfalls | SD - Private |
| Wetland | MS4 | 1 | Water Quality | CSO/EOF/SD-SPU/KC | SD - KC |
| Seattle City Limits | Non-MS4 | 2 - 3 | Spill Response | Channel/Ditch | SD - Port |
| Freeway/Highway | Unknown | 4 - 5 | | CSO/SD - SPU/KC | SD - Tukwila |
| Storm Drains | Stream | 6 - 15 | | EOF/SD - SPU/KC | SD - WSDOT |
| MS4 | | > 15 | | SD - City | |
| Non-MS4 | | | | | |
| Unknown | | | | | |

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\Duwamish_SC_business_spills.mxd



Diagonal Ave S CSO/SD - east side
Map No. 30a - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle

Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

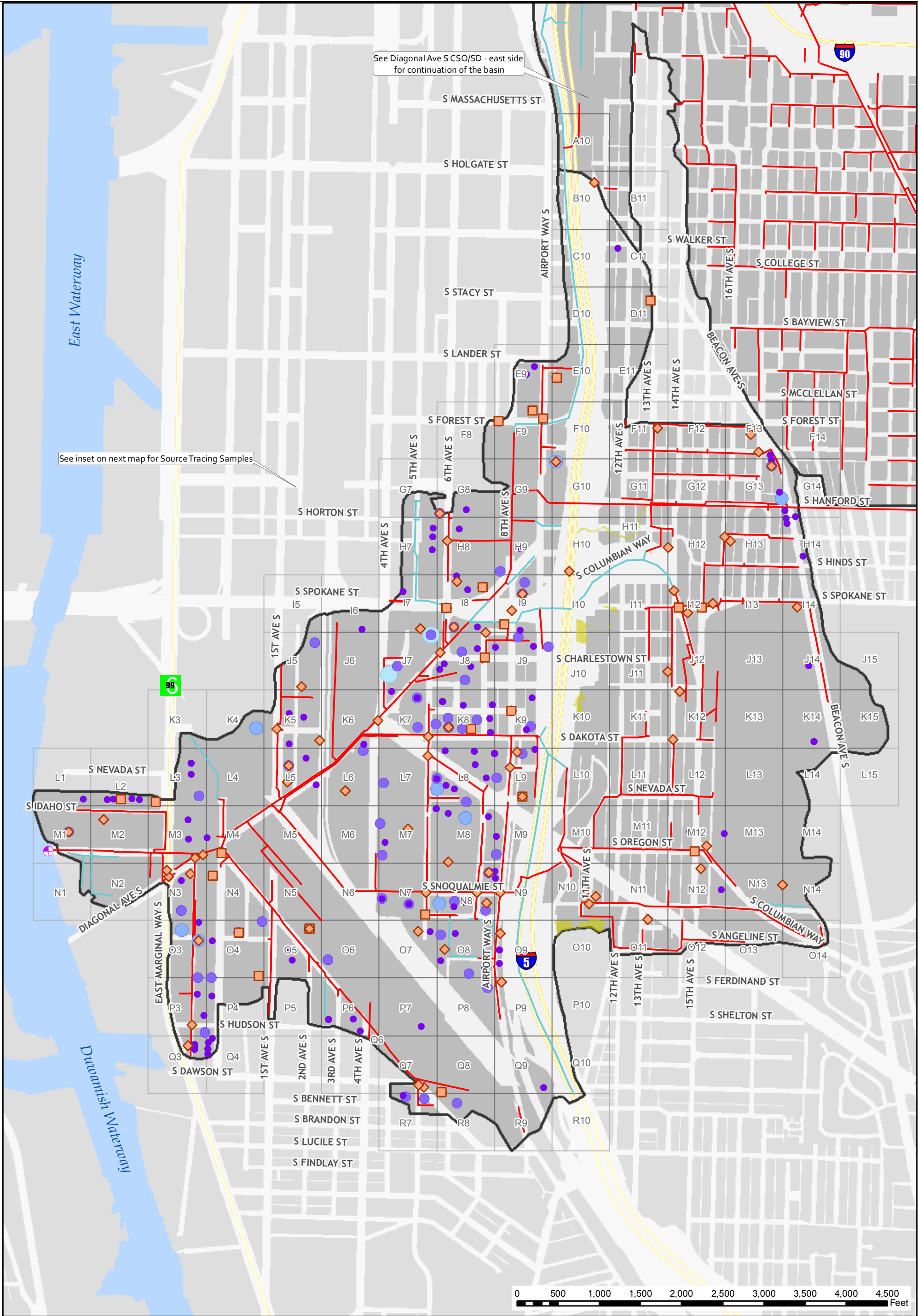
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



Diagonal Ave S CSO/SD - west side
Map No. 30b - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle

Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

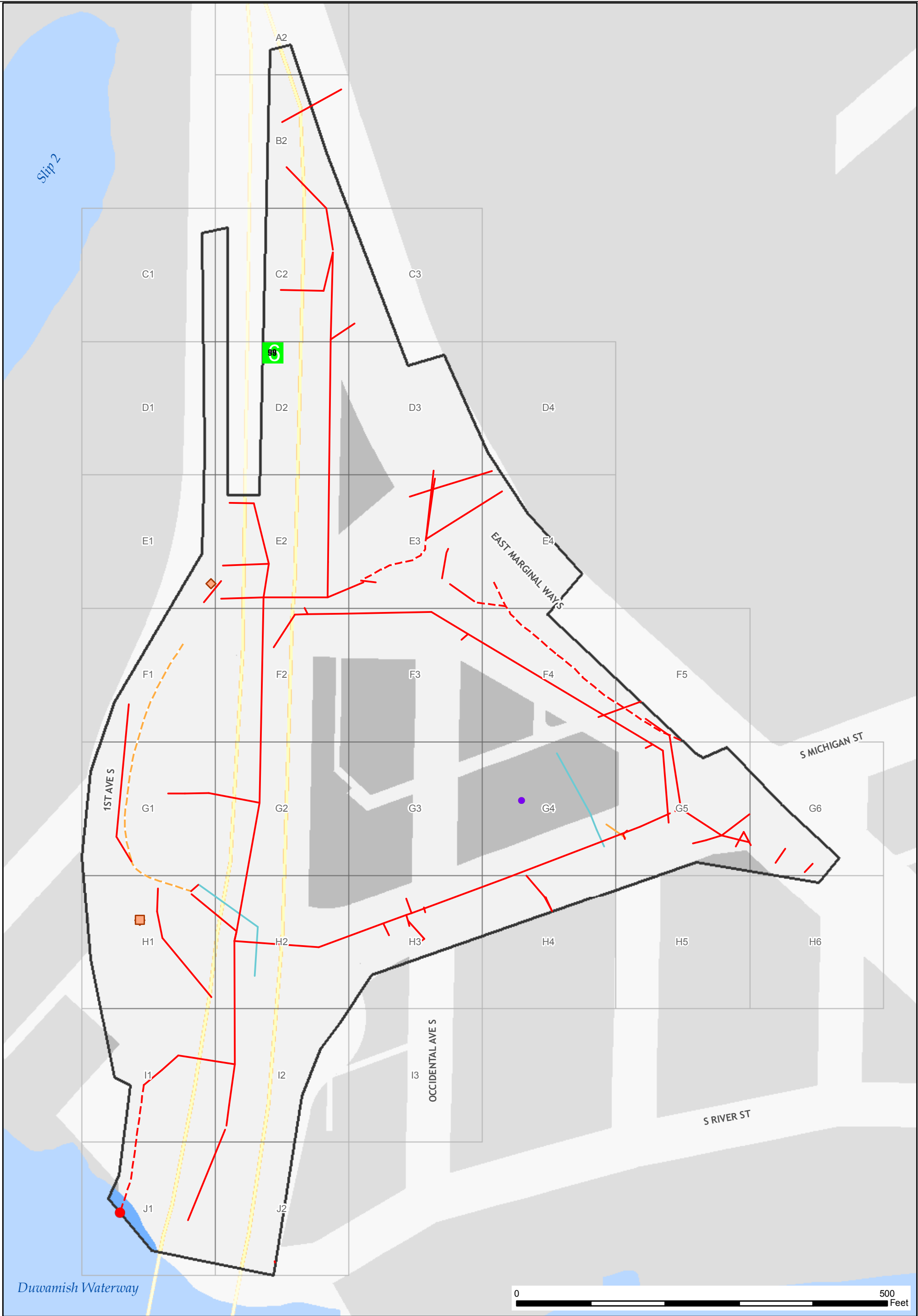
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



1st Ave S SD (east)
Map No. 31 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
 - Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

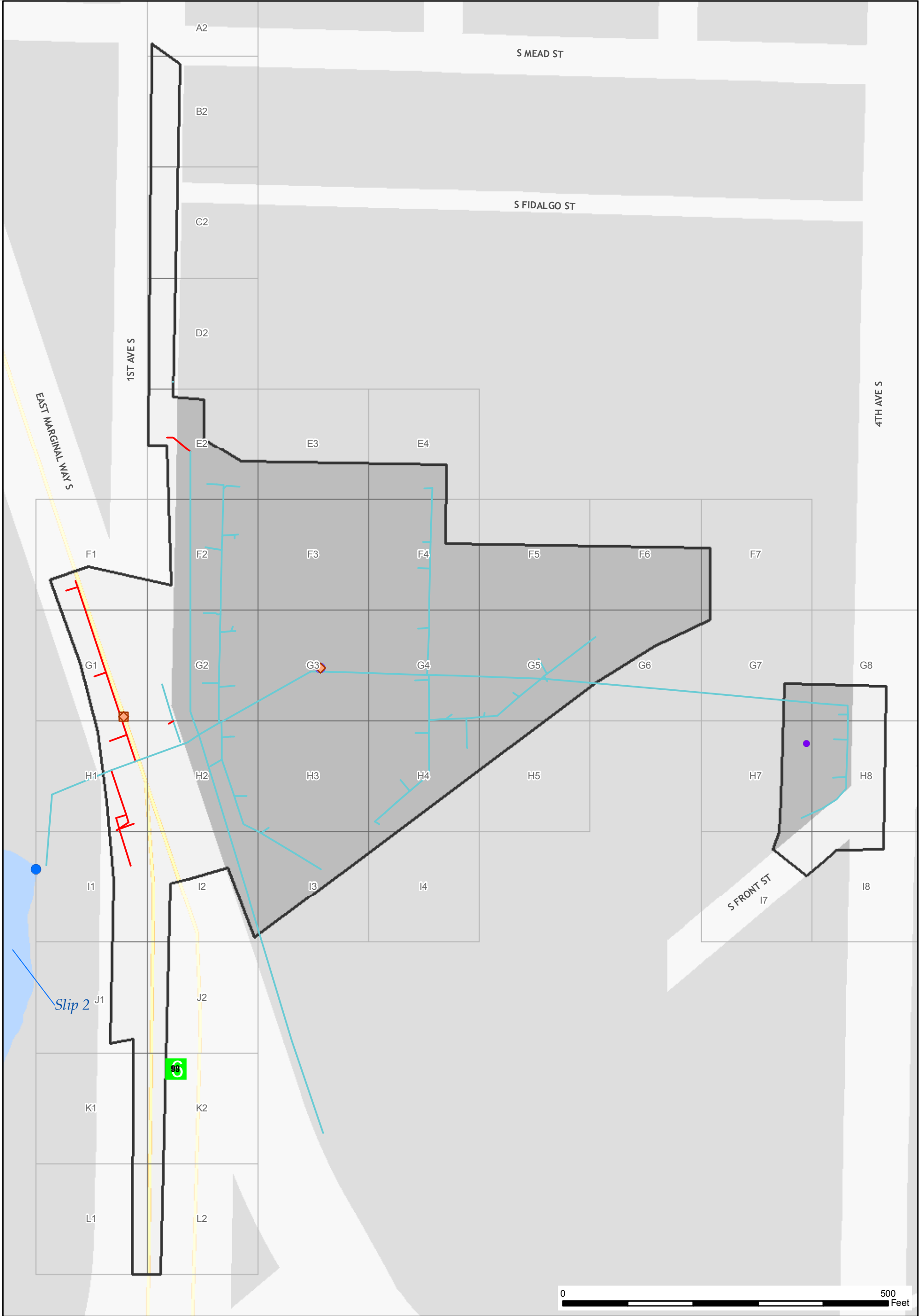
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



Head of Slip 2 SD

Map No. 32 - SPU Business Inspections and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

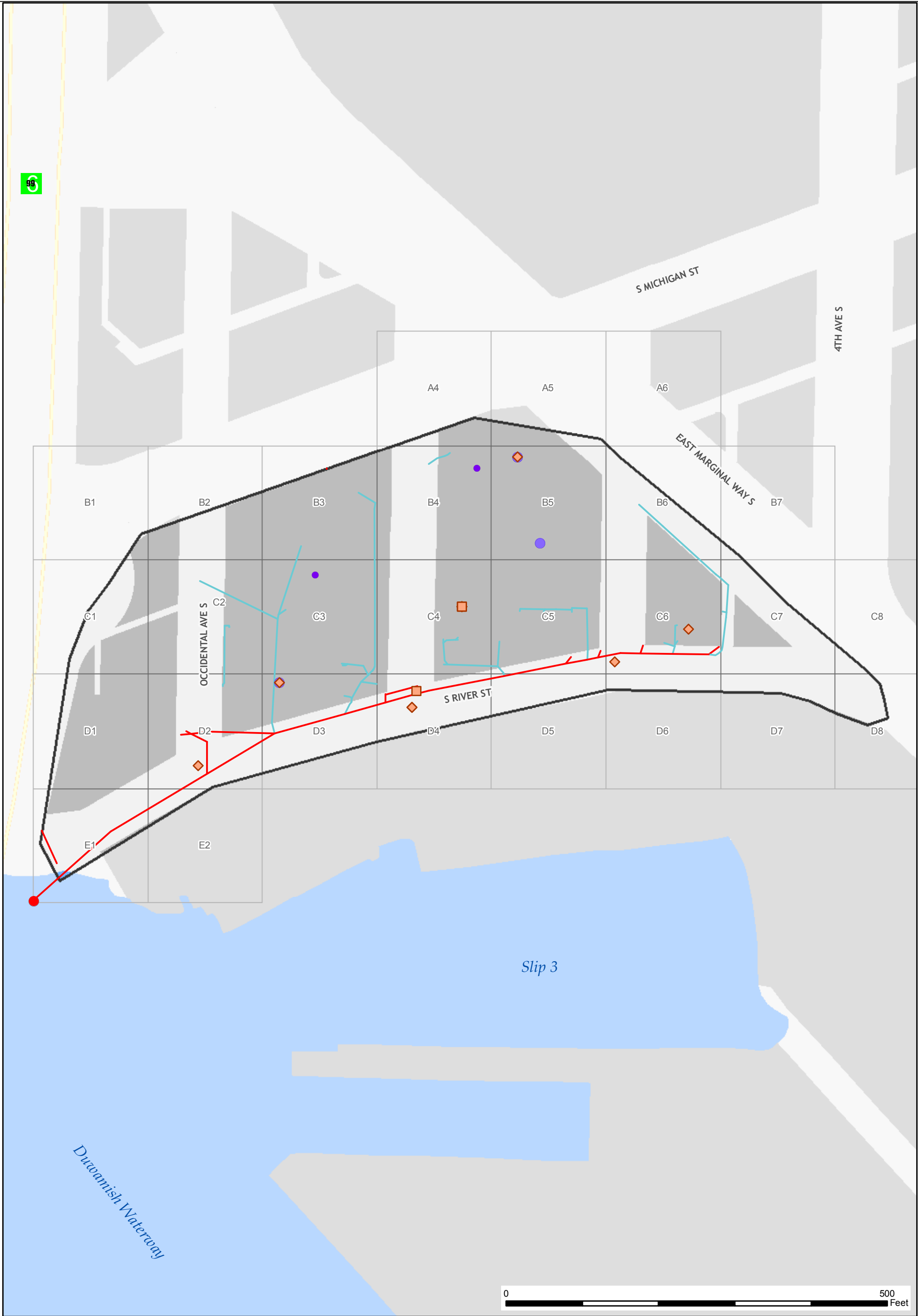
- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT



S River St SD
Map No. 33 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

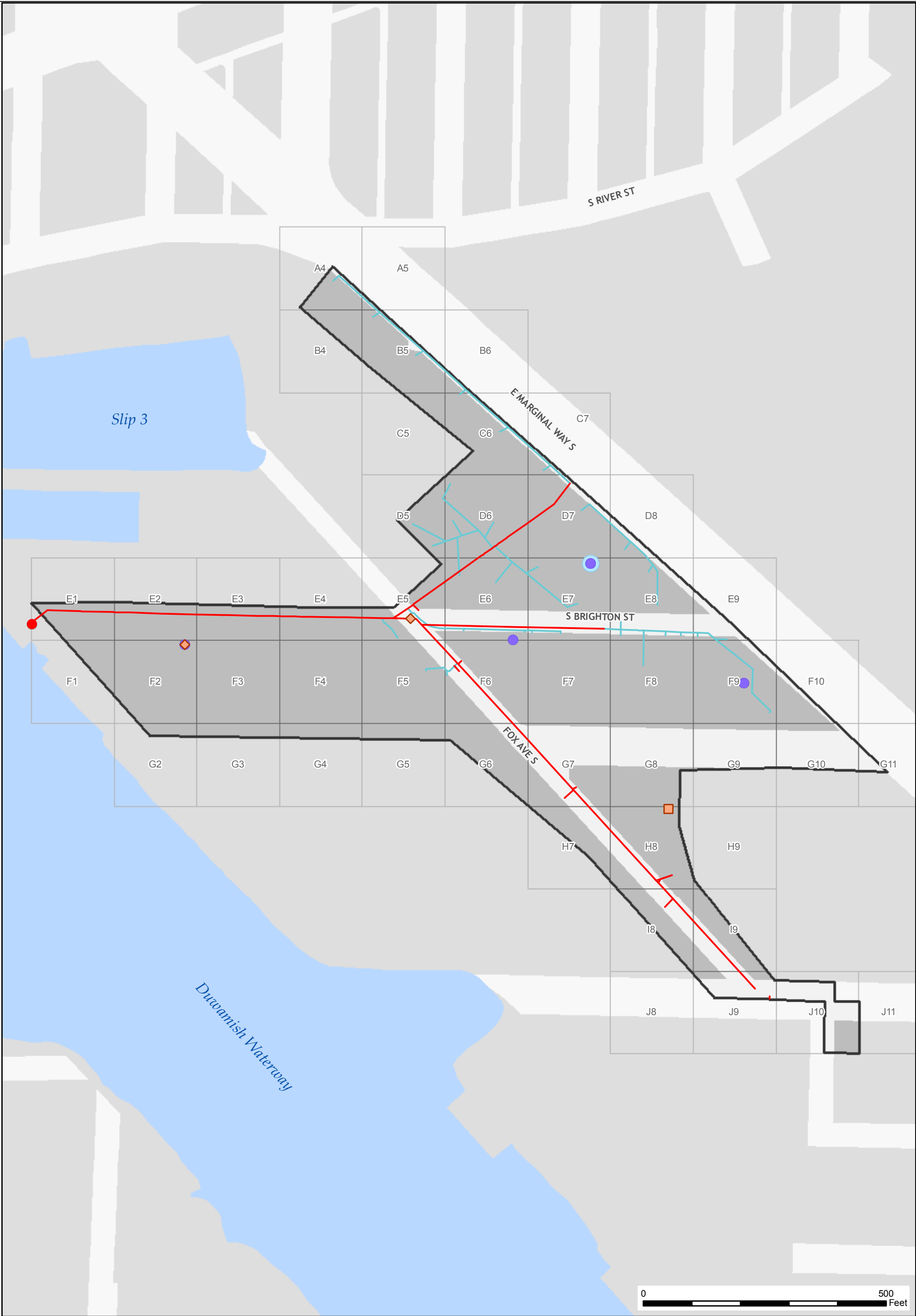
- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

0 500 Feet

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



S Brighton St SD

Map No. 34 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

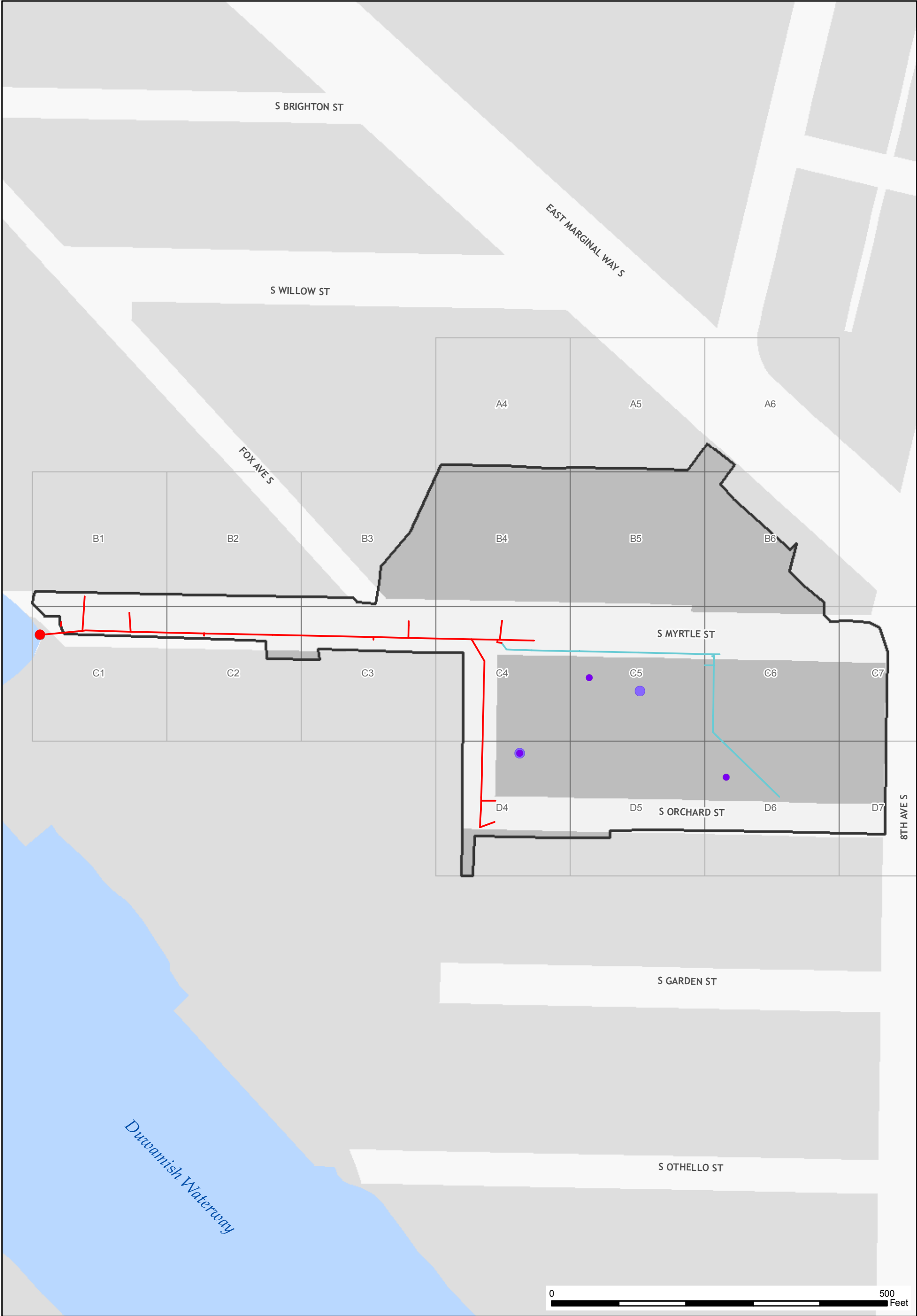
- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Business Inspection
(businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT



S Myrtle St SD

Map No. 35 - SPU Business Inspections and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway

- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

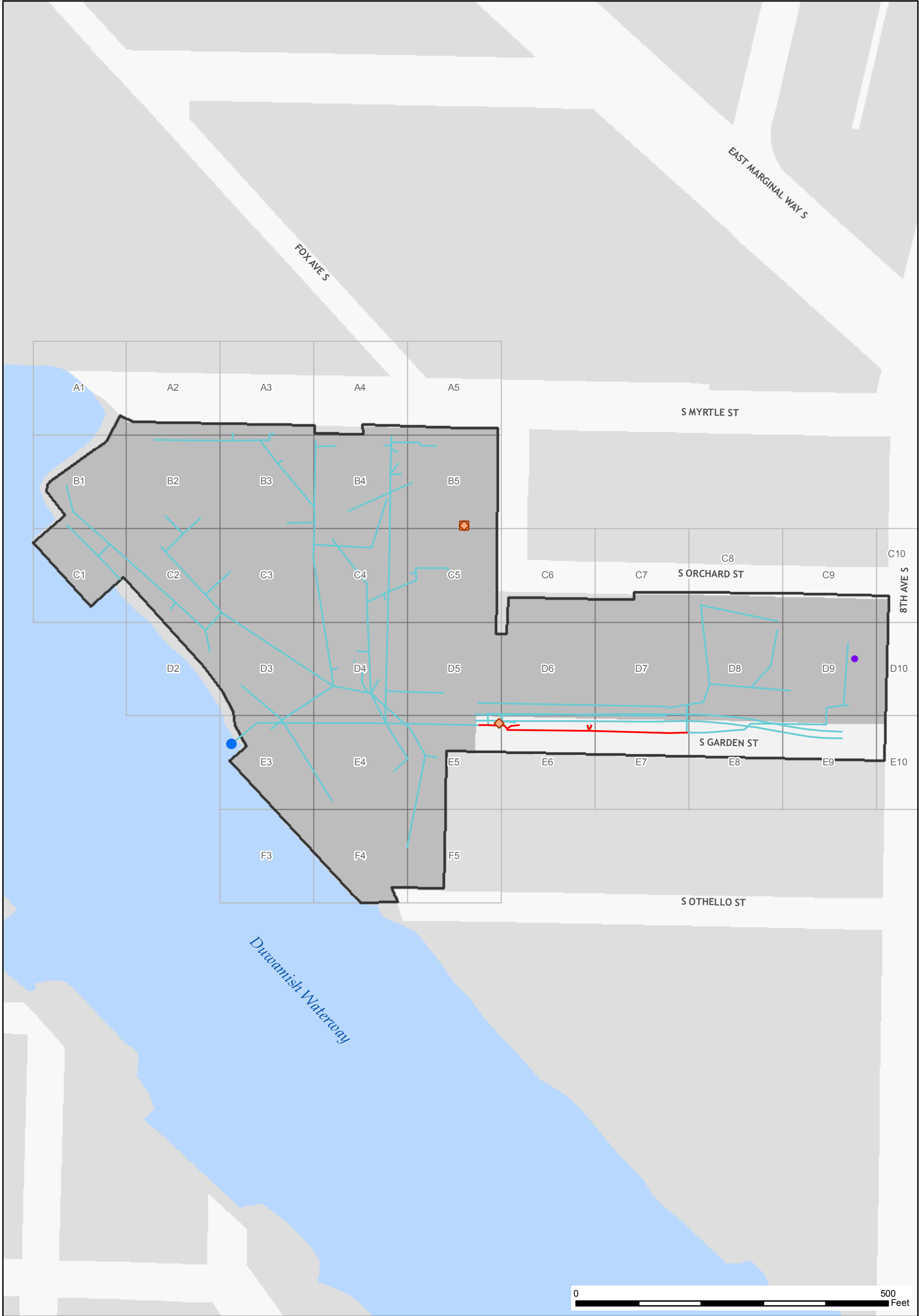
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_business_spills.mxd



S Garden St SD

Map No. 36 - SPU Business Inspections and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

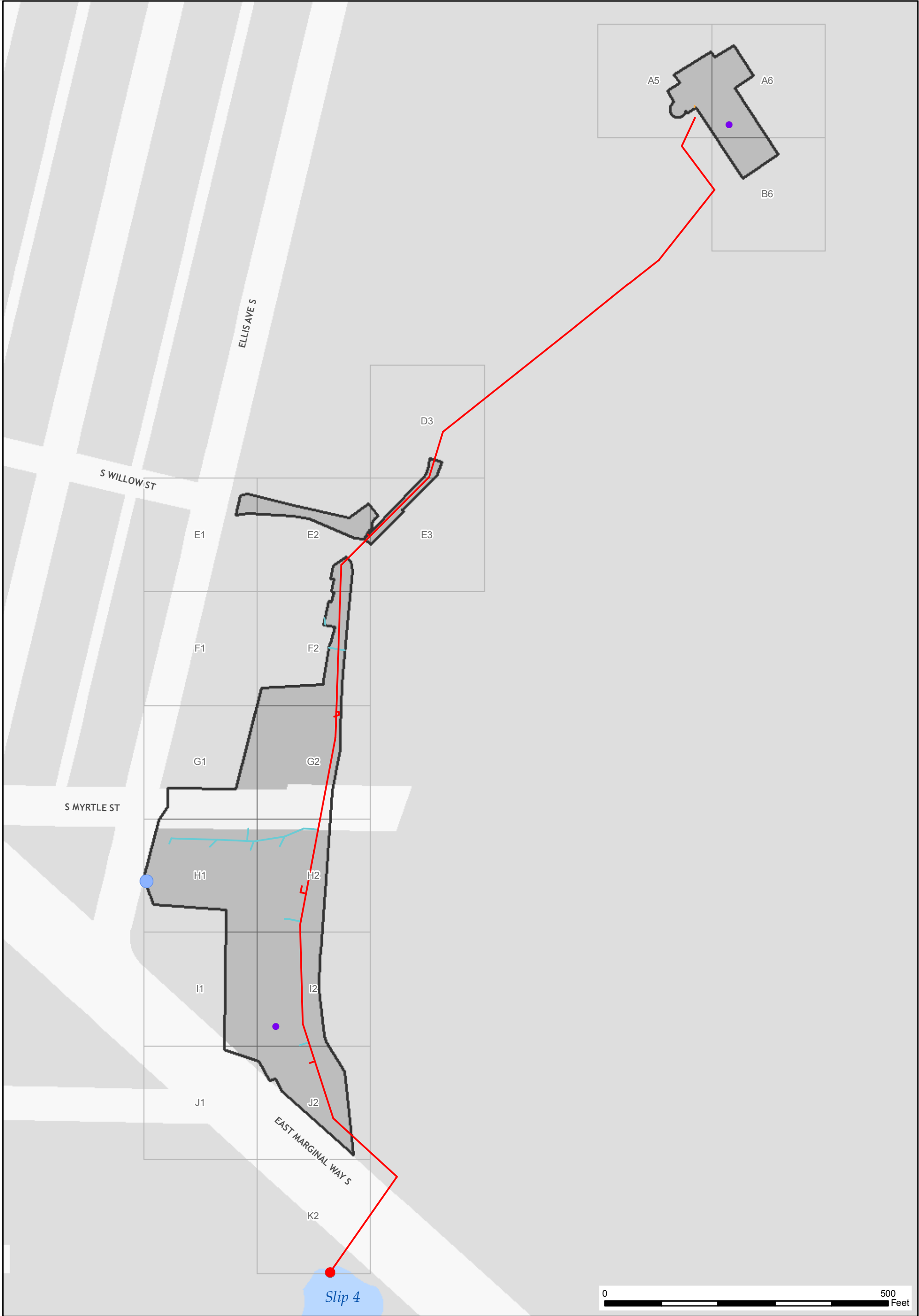
- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT



Georgetown SD
Map No. 37 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

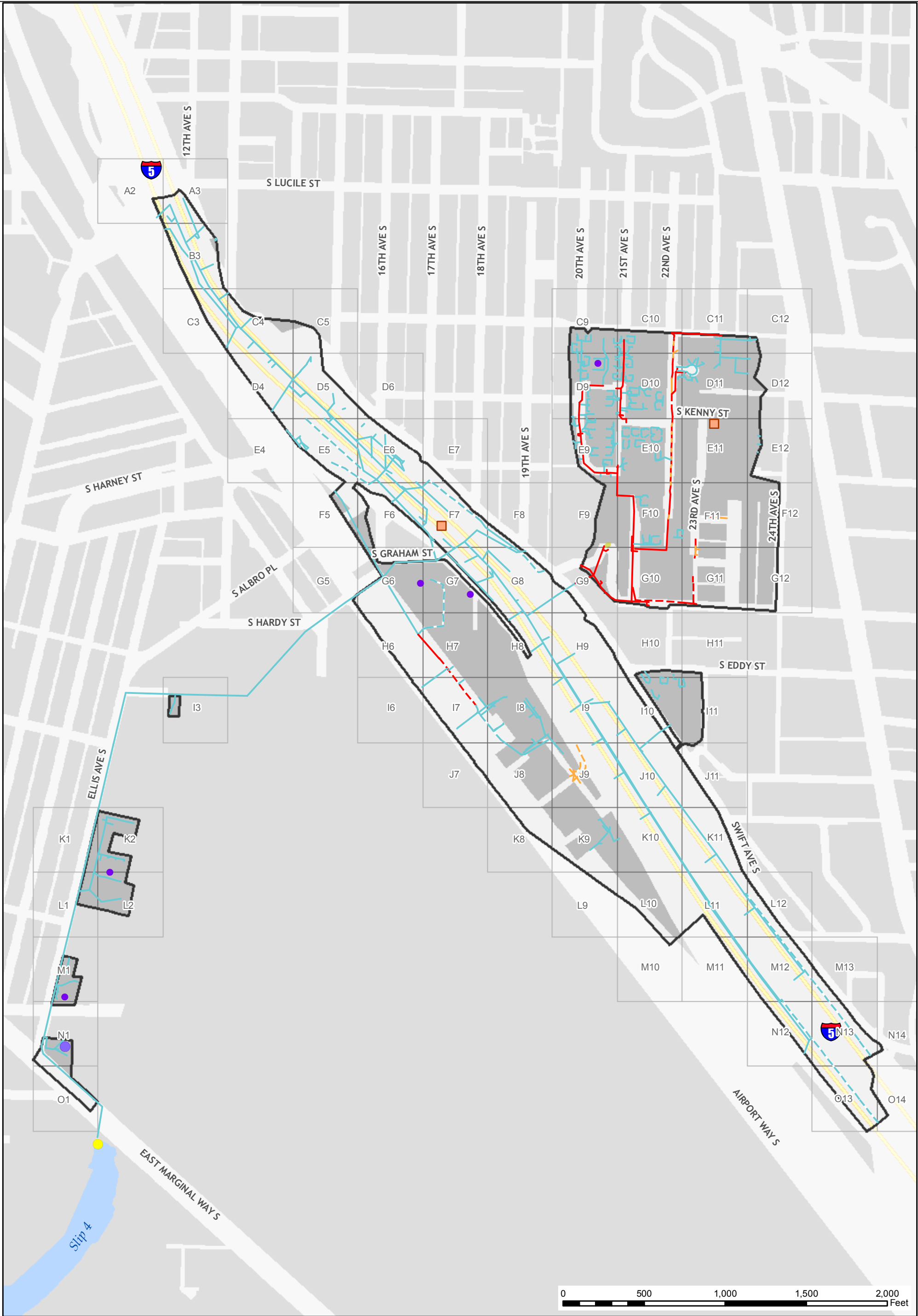
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



I-5 SD at Slip 4
Map No. 38 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle

Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Basin Boundary

Wetland

Seattle City Limits

Freeway/Highway

Storm Drains

MS4

Non-MS4

Unknown

Open Drainage

MS4

Non-MS4

Unknown

Stream

Business Inspection
(businesses per location)

1

2 - 3

4 - 5

6 - 15

> 15

Spills/WQ Complaints

Water Quality

Spill Response

Outfalls

CSO/EOF/SD-SPU/KC

Channel/Ditch

CSO/SD - SPU/KC

EOF/SD - SPU/KC

SD - City

SD - Private

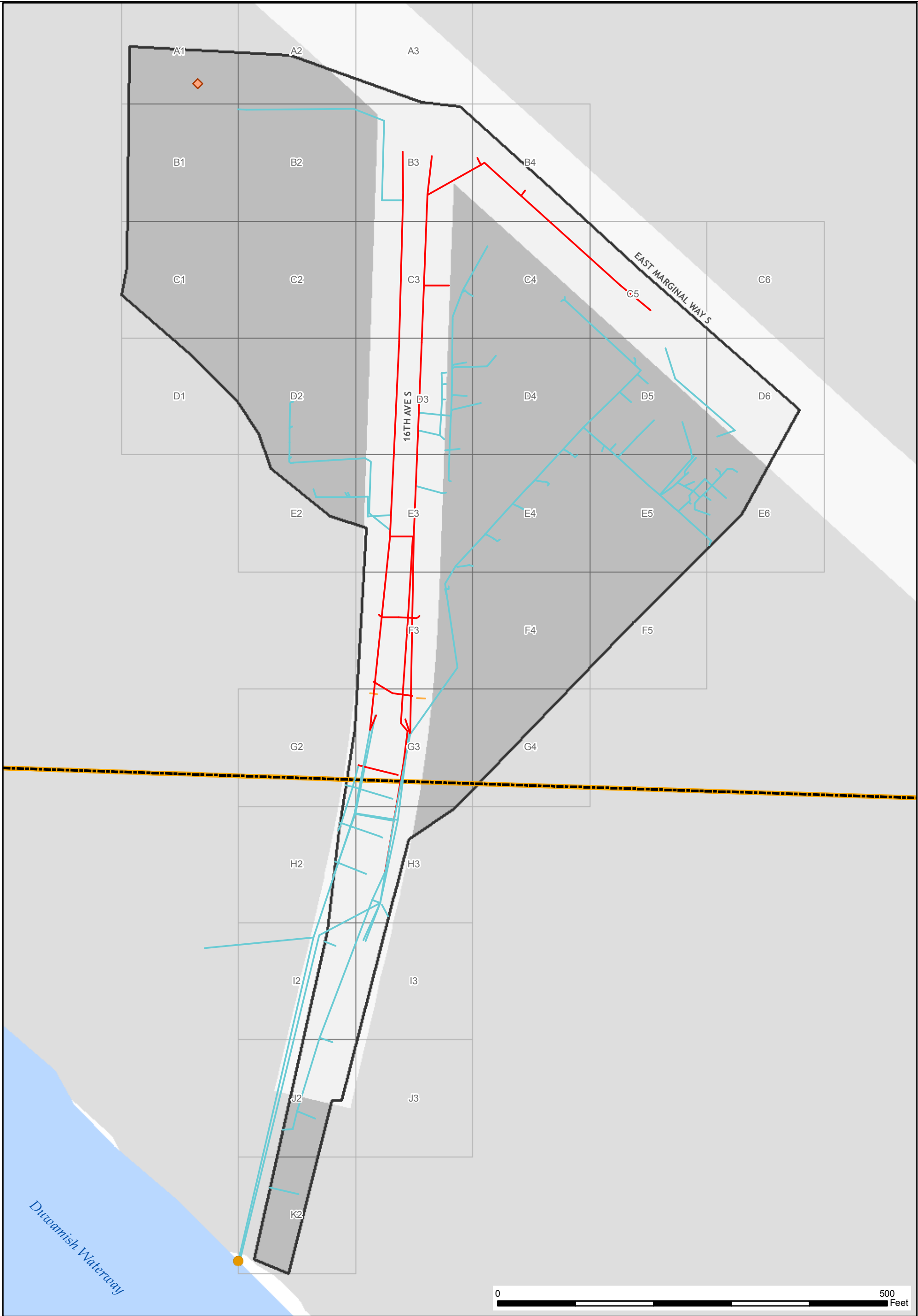
SD - KC

SD - Port

SD - Tukwila

SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



16th Ave S SD (east)
Map No. 39 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
 - Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

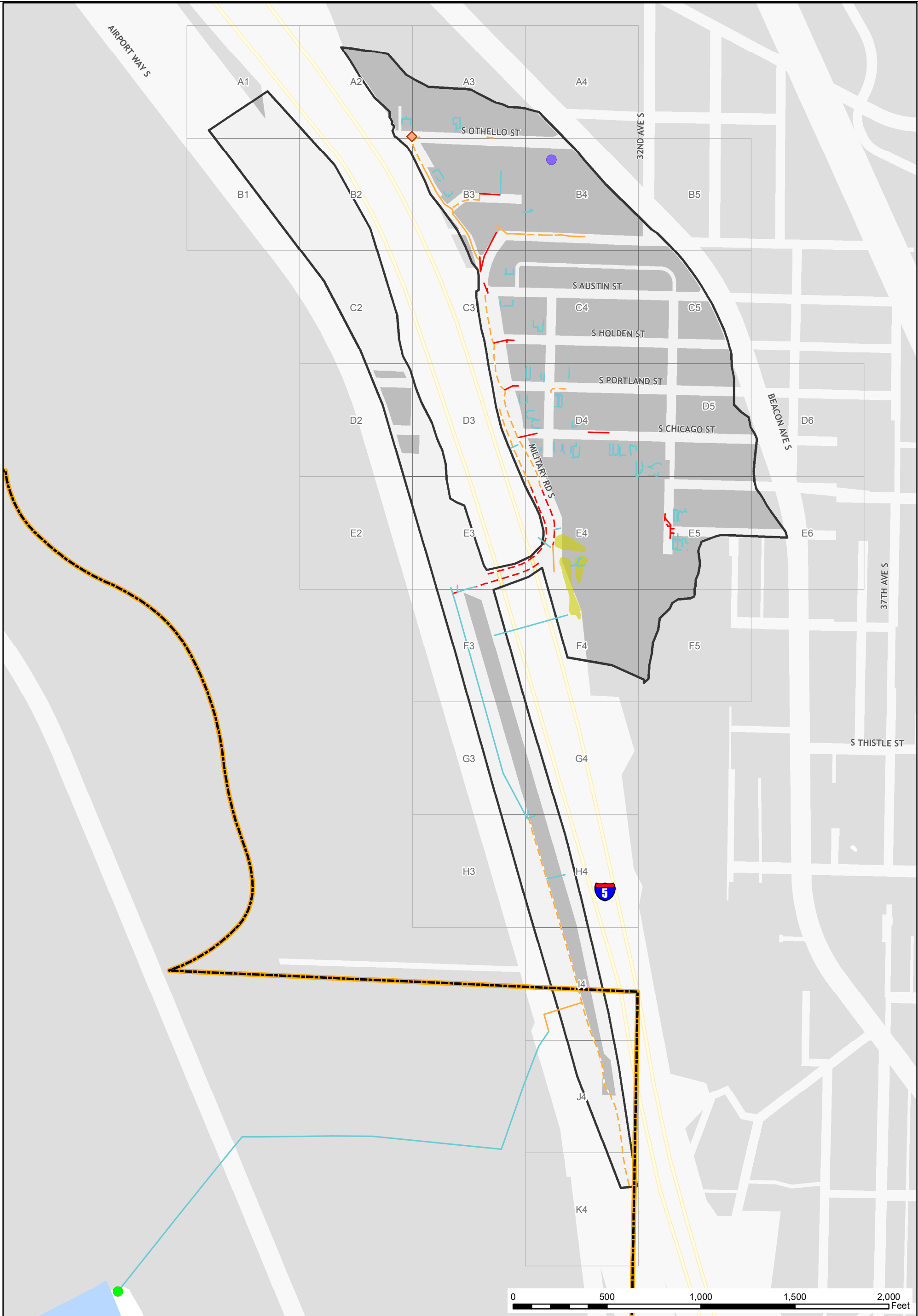
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



KC SD#1
Map No. 40 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

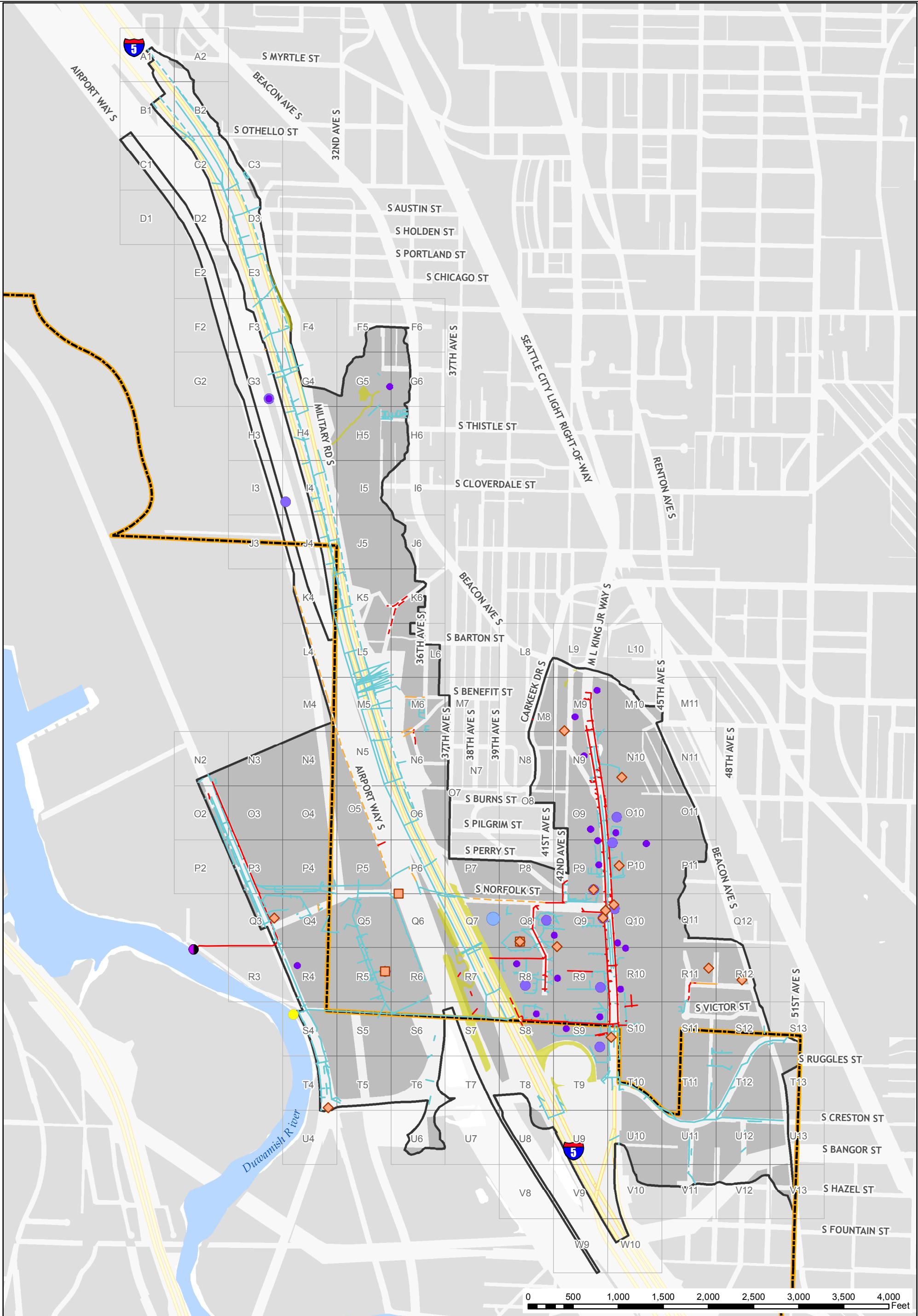
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



S Norfolk St CSO/PS17 EOF/SD
Map No. 41 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

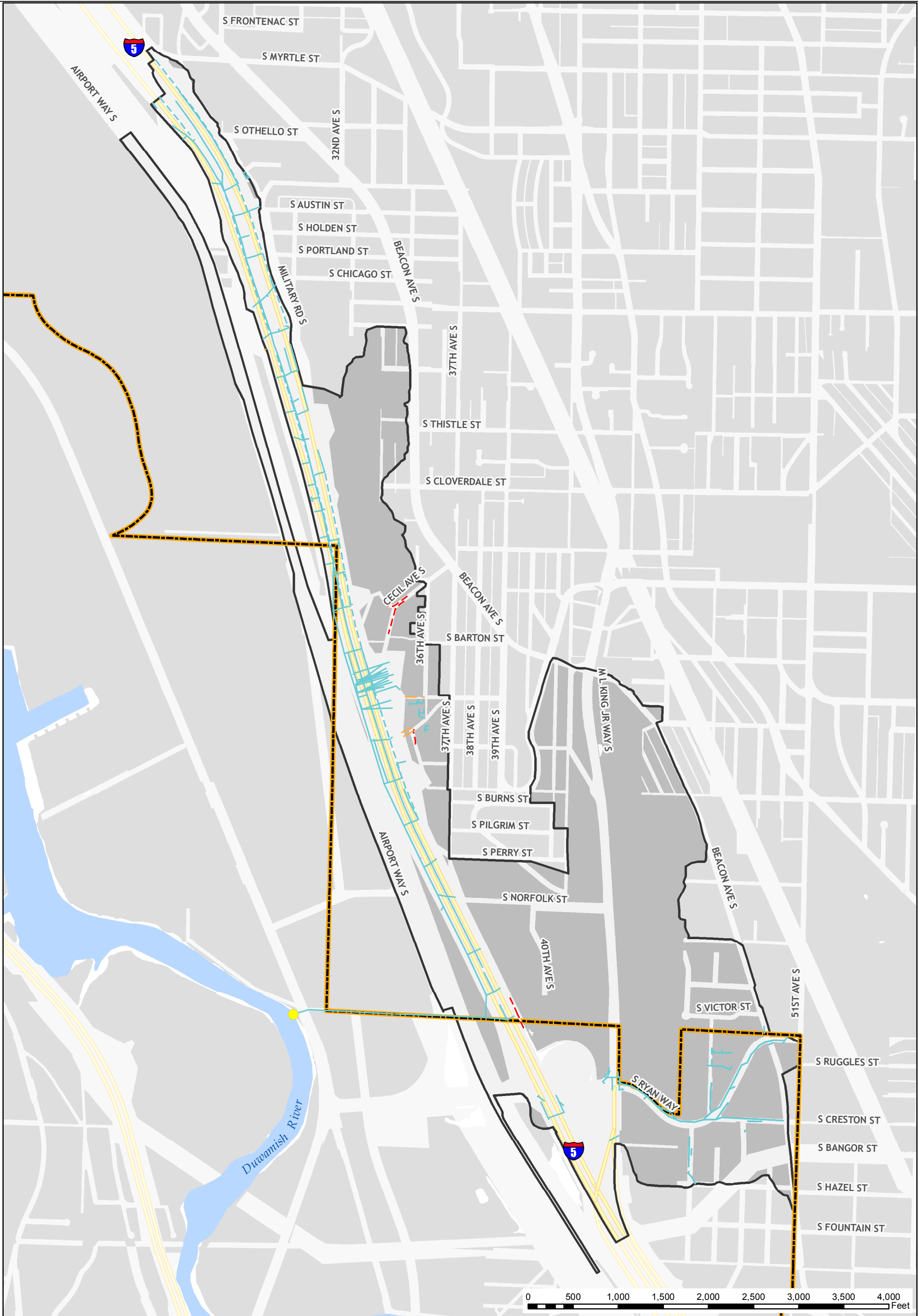
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private**
- SD - Private
 - SD - KC
 - SD - Port
 - SD - Tukwila
 - SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



I-5 SD at S Ryan St
Map No. 42 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle

Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

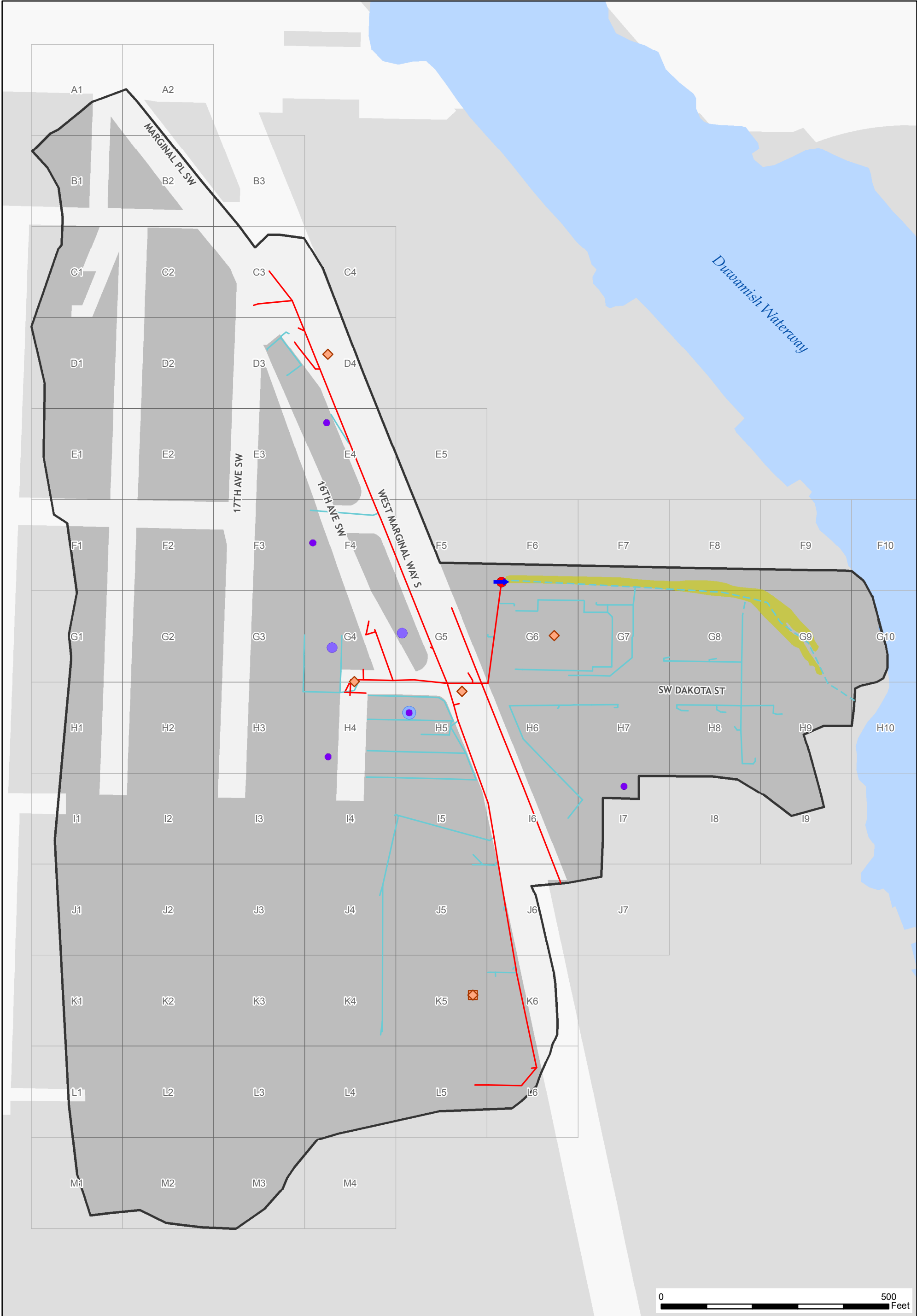
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_business_spills.mxd



SW Dakota St SD

Map No. 43 - SPU Business Inspections and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Basin Boundary

Wetland

Seattle City Limits

Freeway/Highway

Storm Drains

MS4

Non-MS4

Unknown

Open Drainage

MS4

Non-MS4

Unknown

Stream

Business Inspection (businesses per location)

1

2 - 3

4 - 5

6 - 15

> 15

Spills/WQ Complaints

Water Quality

Spill Response

Outfalls

CSO/EOF/SD-SPU/KC

Channel/Ditch

CSO/SD - SPU/KC

EOF/SD - SPU/KC

SD - City

SD - Private

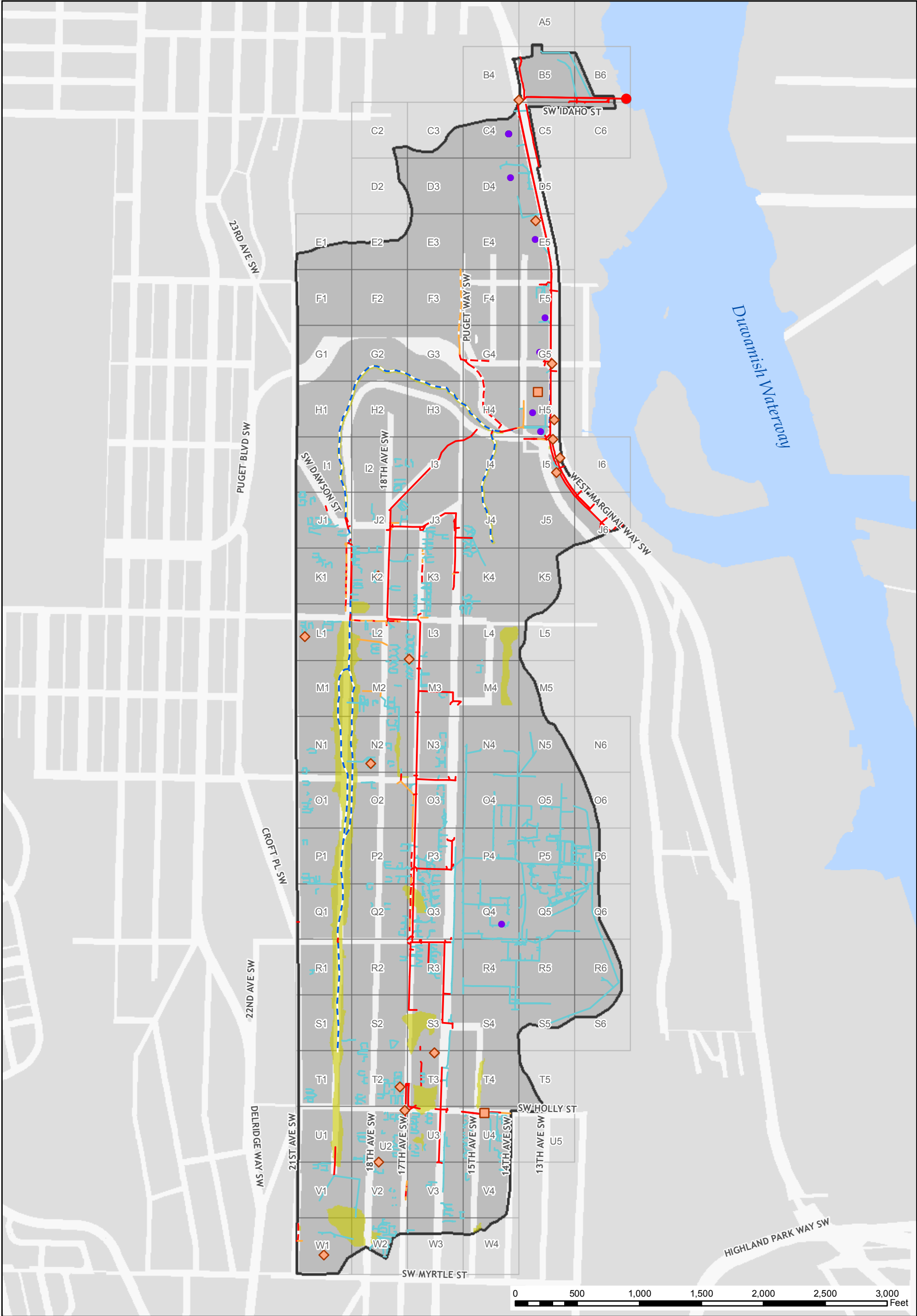
SD - KC

SD - Port

SD - Tukwila

SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_business_spills.mxd



SW Idaho St SD

Map No. 44 - SPU Business Inspections and Spill/Water Quality Complaints



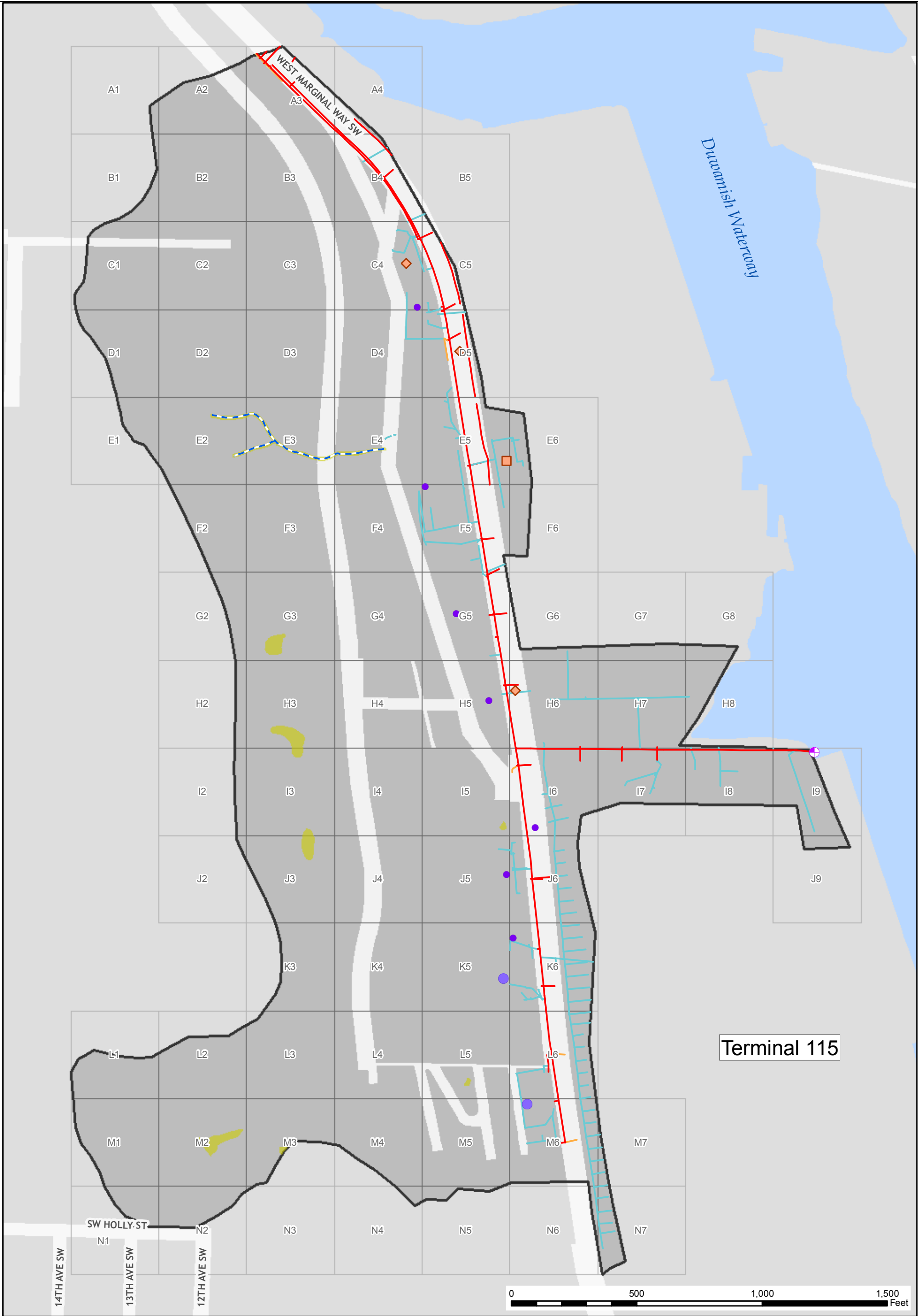
City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | | | | | |
|---------------------|---------------|---|----------------------|-------------------|--------------|
| Basin Boundary | Open Drainage | Business Inspection (businesses per location) | Spills/WQ Complaints | Outfalls | SD - Private |
| Wetland | MS4 | 1 | Water Quality | CSO/EOF/SD-SPU/KC | SD - KC |
| Seattle City Limits | Non-MS4 | 2 - 3 | Spill Response | Channel/Ditch | SD - Port |
| Freeway/Highway | Unknown | 4 - 5 | | CSO/SD - SPU/KC | SD - Tukwila |
| Storm Drains | Stream | 6 - 15 | | EOF/SD - SPU/KC | SD - WSDOT |
| MS4 | | > 15 | | SD - City | |
| Non-MS4 | | | | | |
| Unknown | | | | | |

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



SW Kenny St SD/T115 CSO

Map No. 45 - SPU Business Inspections and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
 - Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

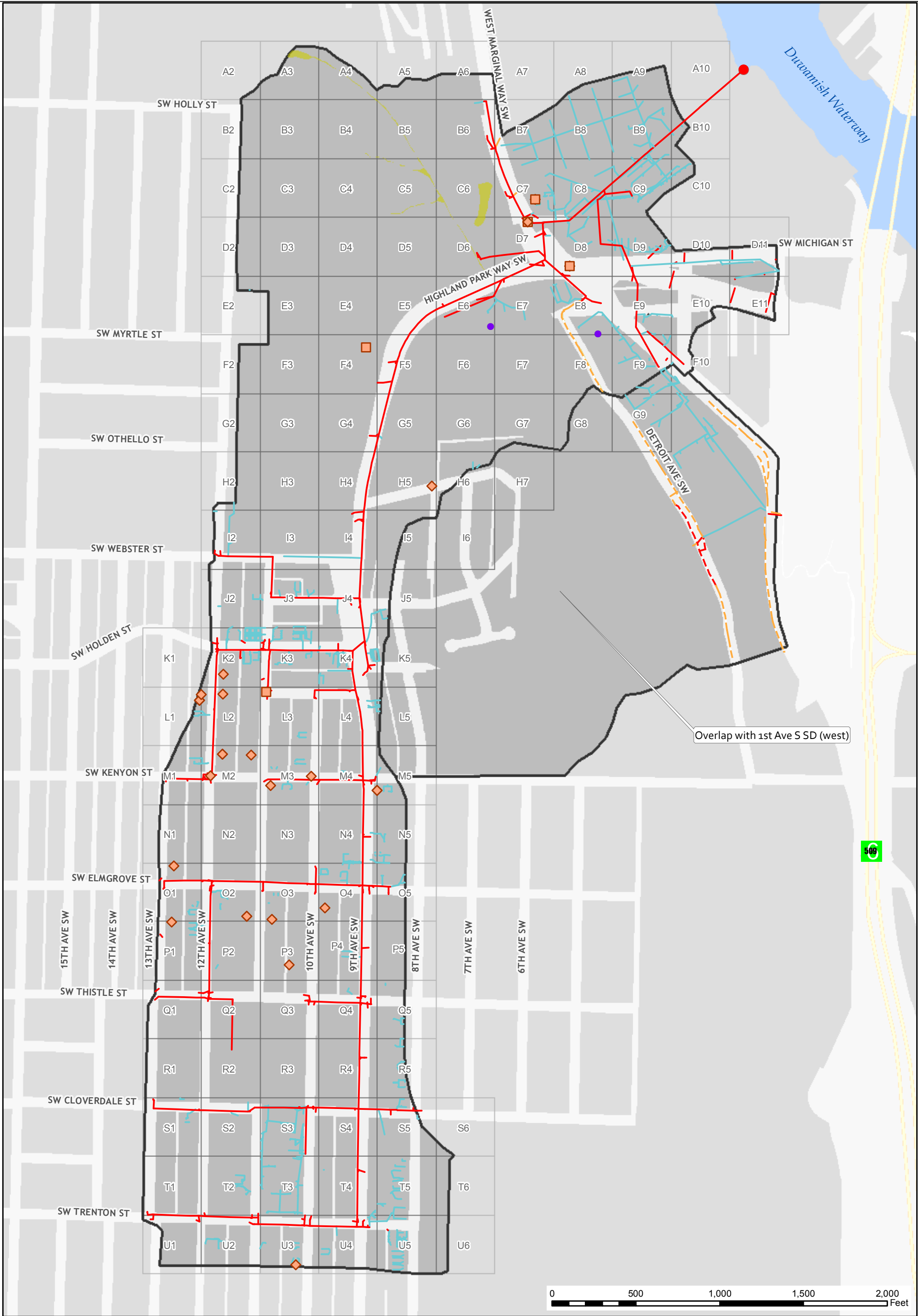
- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT



Highland Park Wy SW SD
Map No. 46 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle

Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

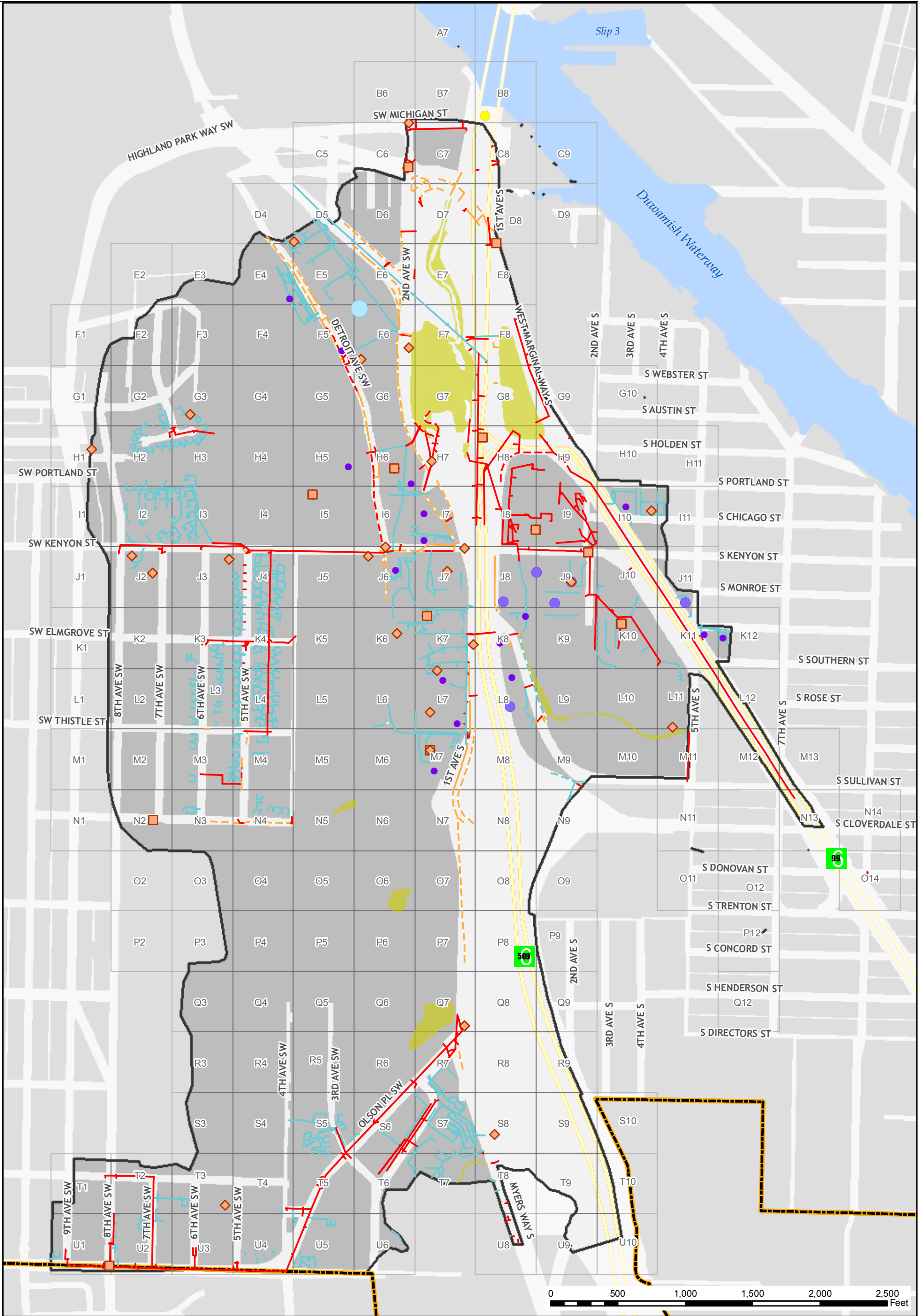
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Business Inspection (businesses per location)**
 - 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
 - Water Quality
 - Spill Response

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT



1st Ave S SD (west)
Map No. 47 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle

Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

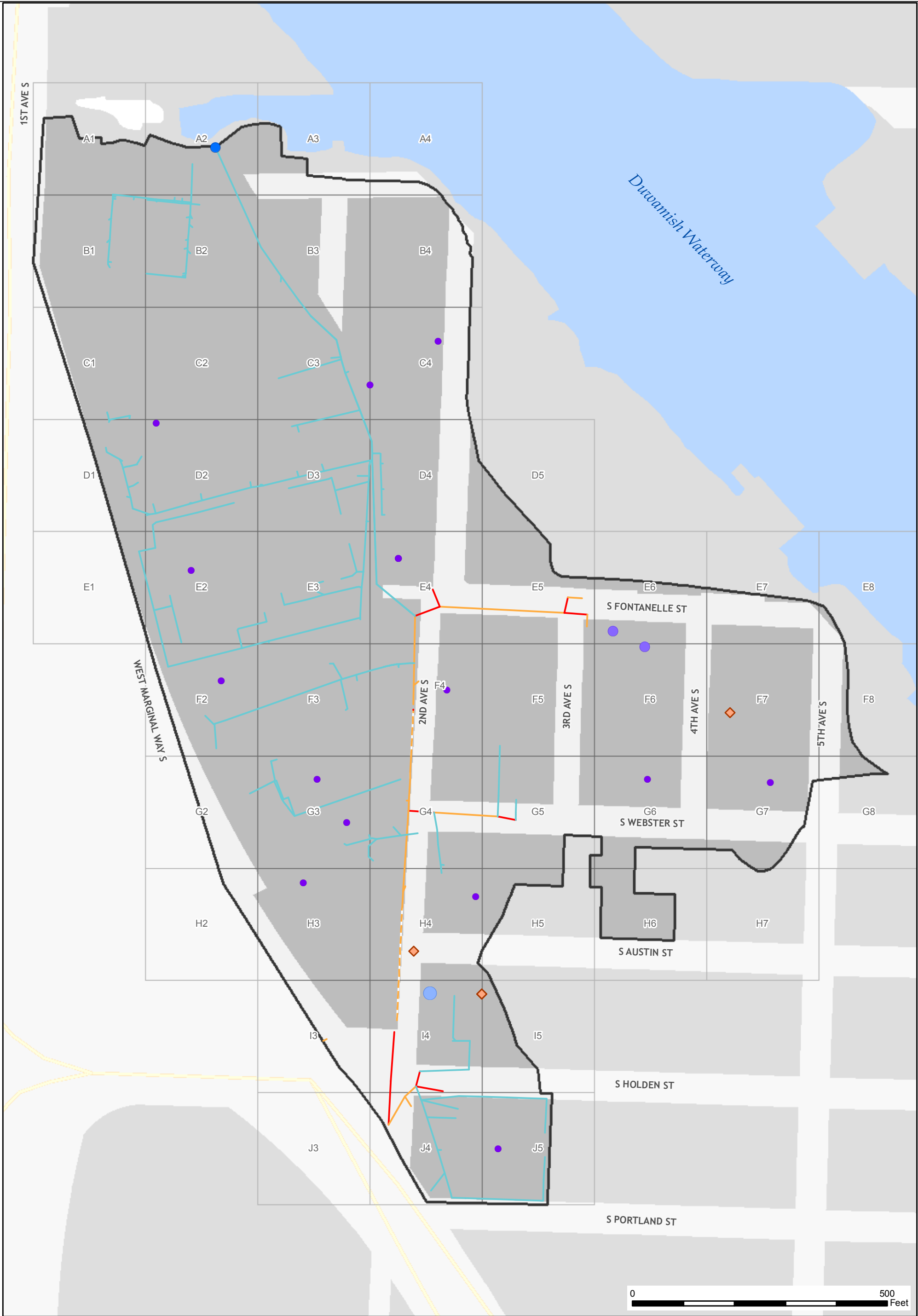
- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT



2nd Ave S SD
Map No. 48 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

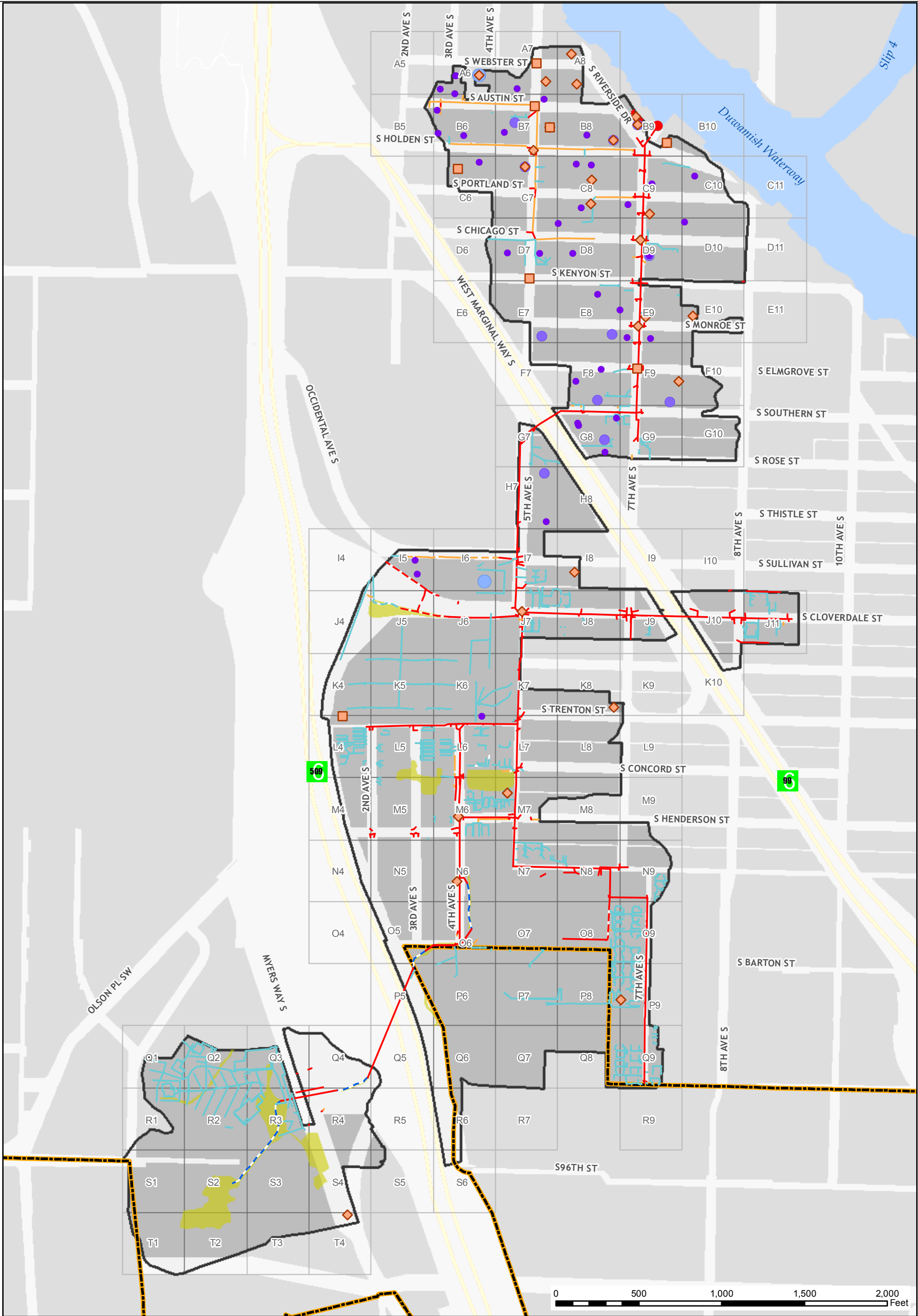
- Business Inspection
(businesses per
location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



7th Ave S SD

Map No. 49 - SPU Business Inspections
and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains
 - MS4
 - Non-MS4
 - Unknown

- Open Drainage
 - MS4
 - Non-MS4
 - Unknown
 - Stream

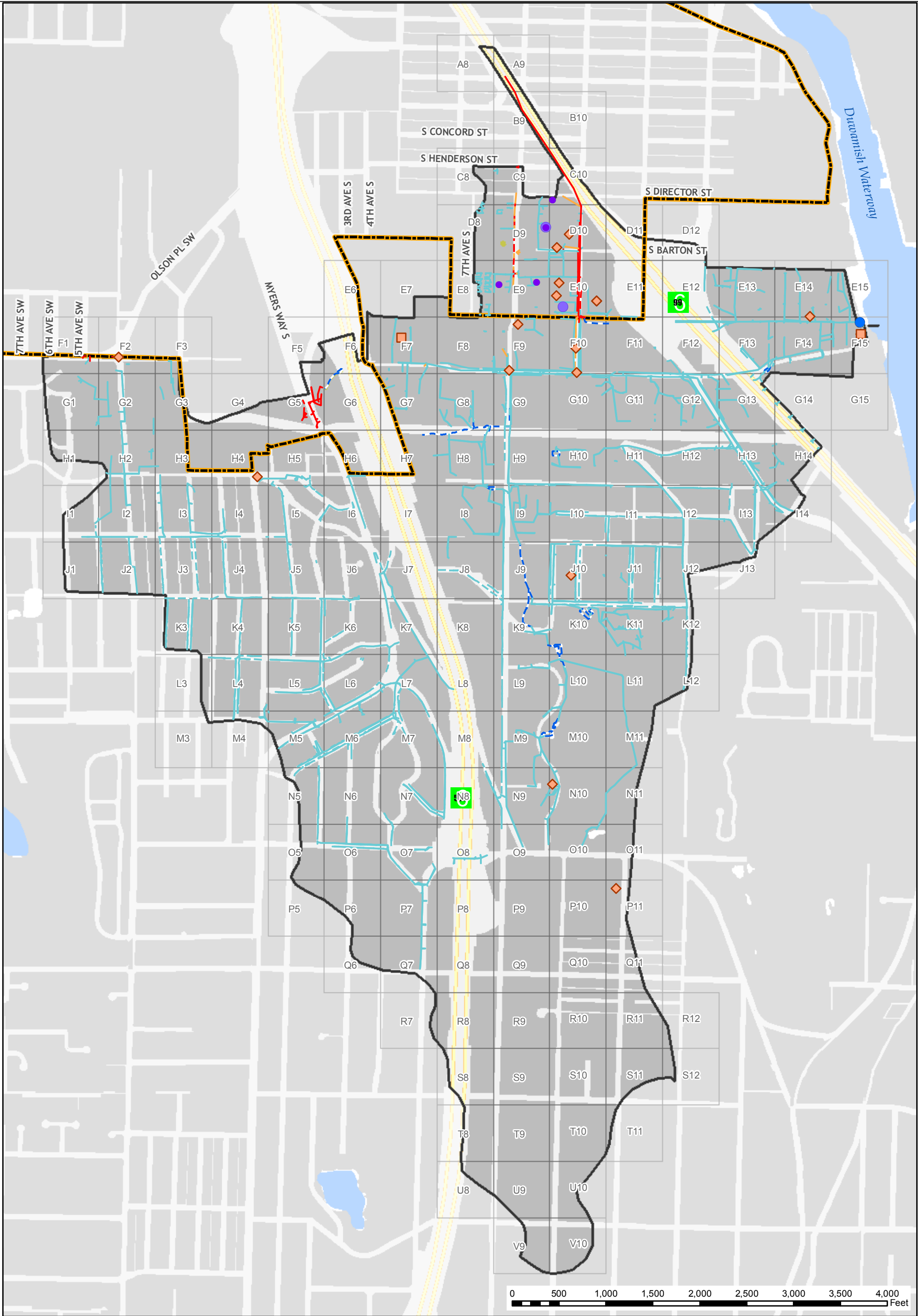
- Business Inspection (businesses per location)
 - 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints
 - Water Quality
 - Spill Response

- Outfalls
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



S 96th St SD

Map No. 50 - SPU Business Inspections and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

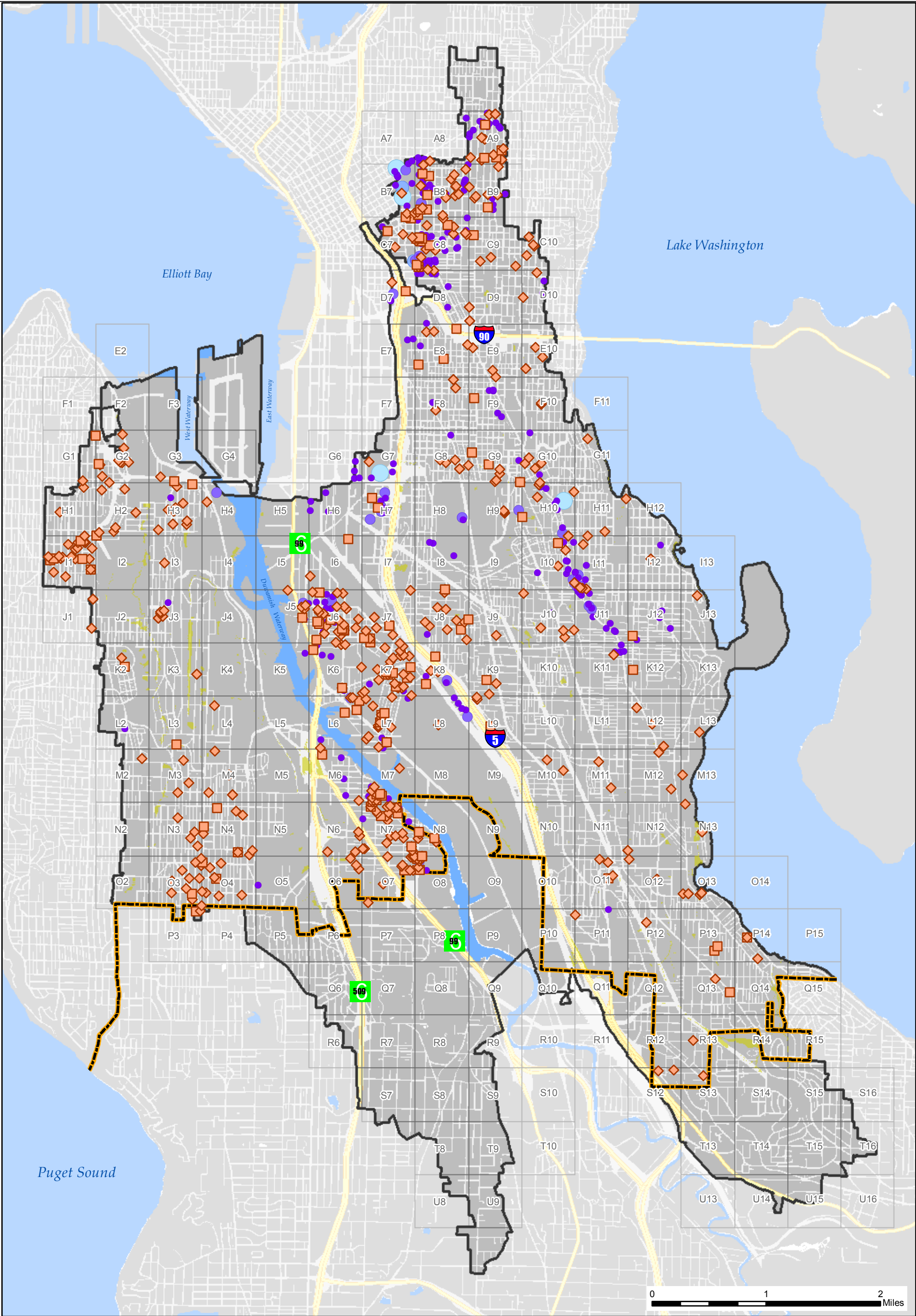
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



Sewer Basin Boundary

Map No. 51 - SPU Business Inspections and Spill/Water Quality Complaints



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

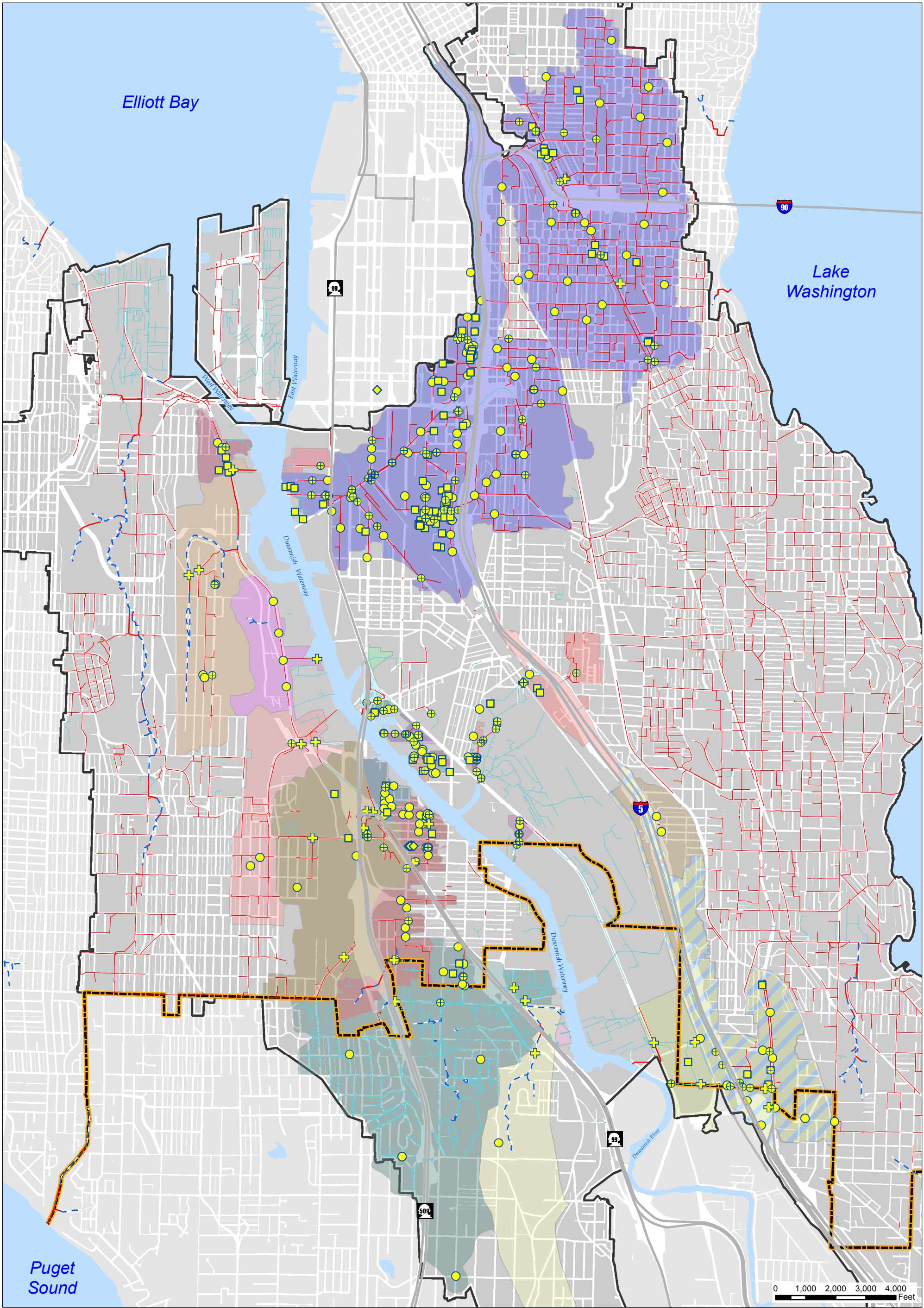
- Business Inspection (businesses per location)**
- 1
 - 2 - 3
 - 4 - 5
 - 6 - 15
 - > 15

- Spills/WQ Complaints**
- Water Quality
 - Spill Response

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_business_spills.mxd



Lower Duwamish Waterway
Map No. 52 - Source Tracing Samples
in Storm Drain Basins

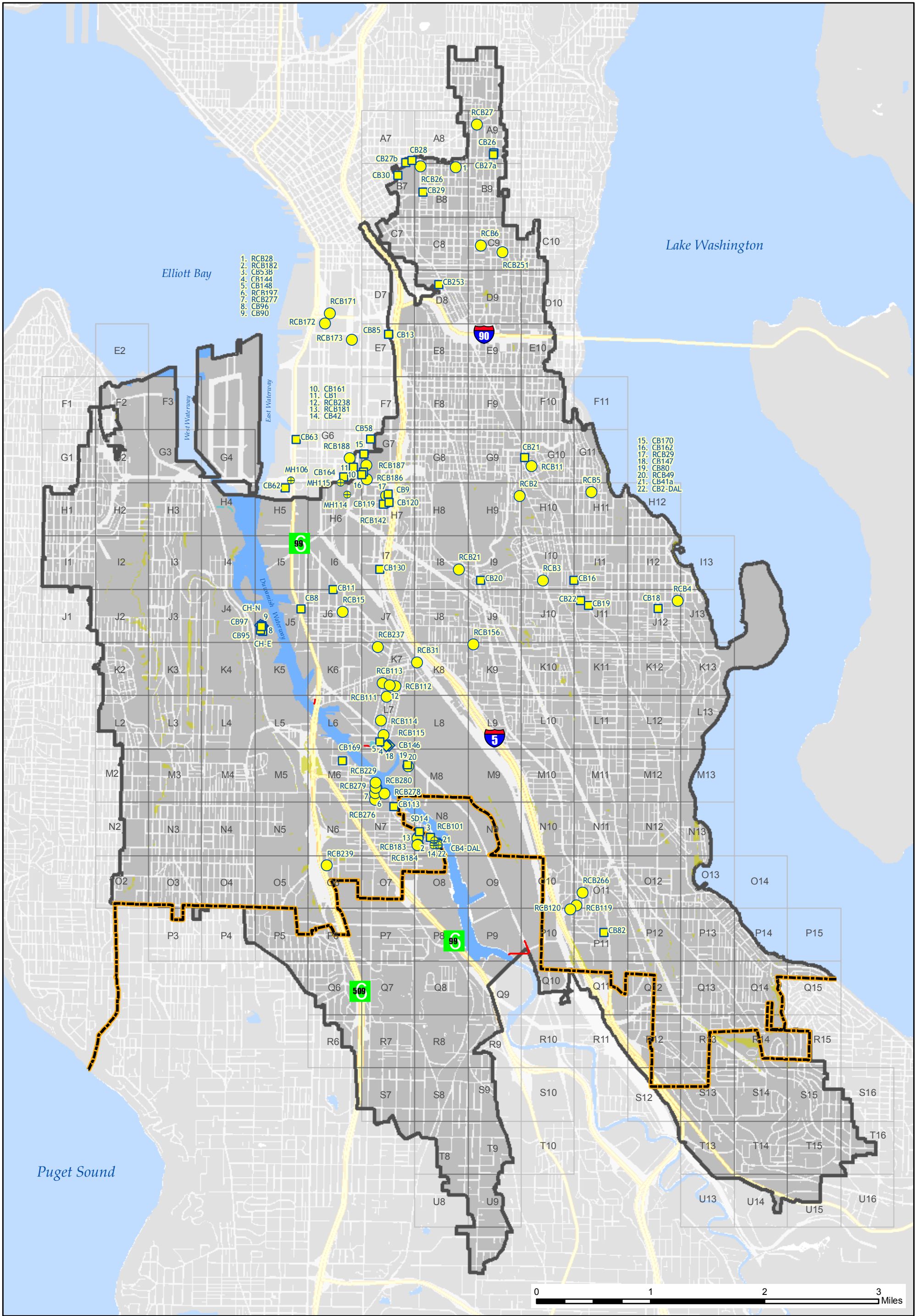


City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

X:\SourceControl\MS4\Duamish\SourceControlPlan\DuamishSC_11_SDSamples.mxd



Sewer Basin Boundary
Map No. 53 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

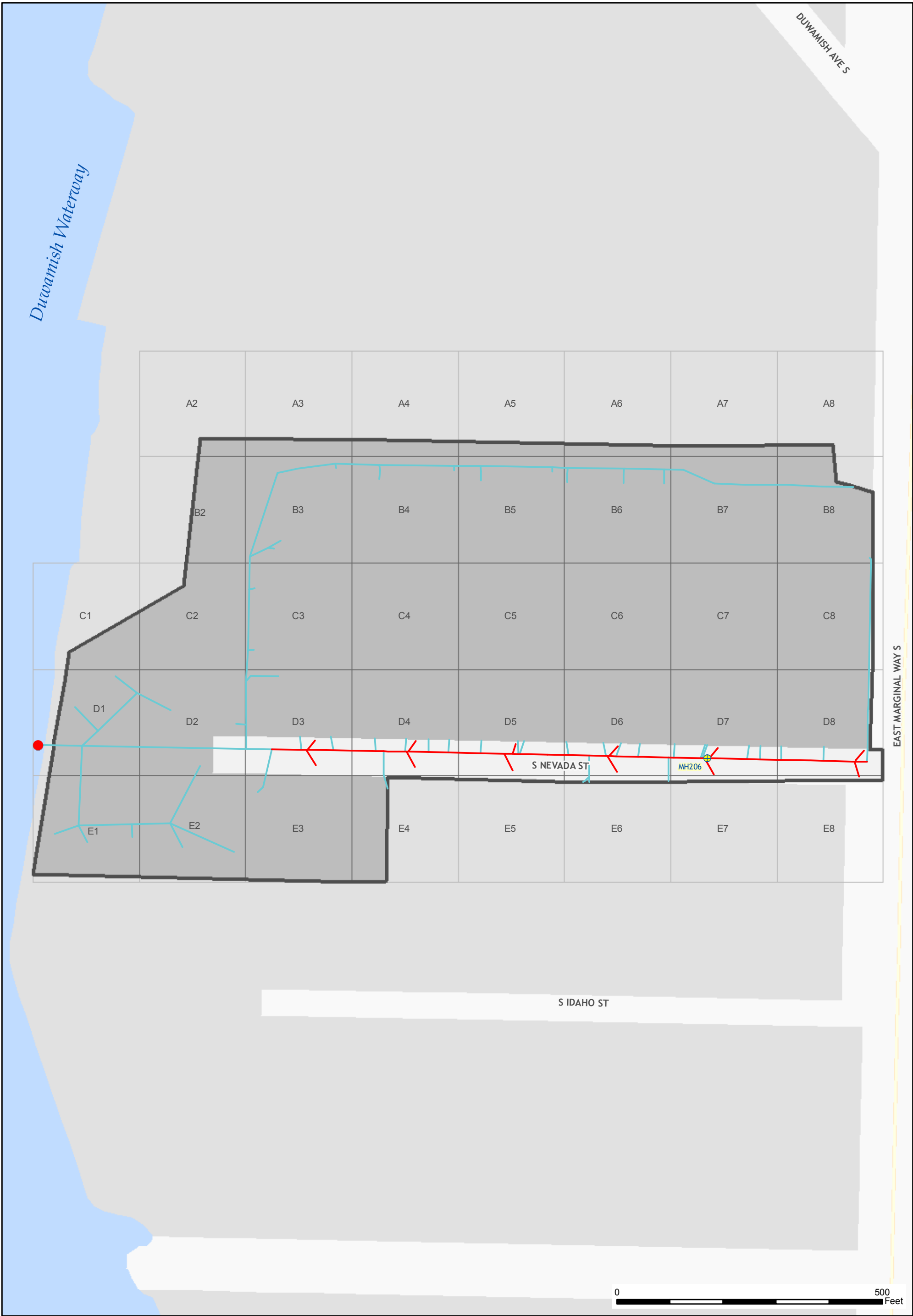
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
 - Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



S Nevada St SD
Map No. 54 - Source Tracing Samples



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway

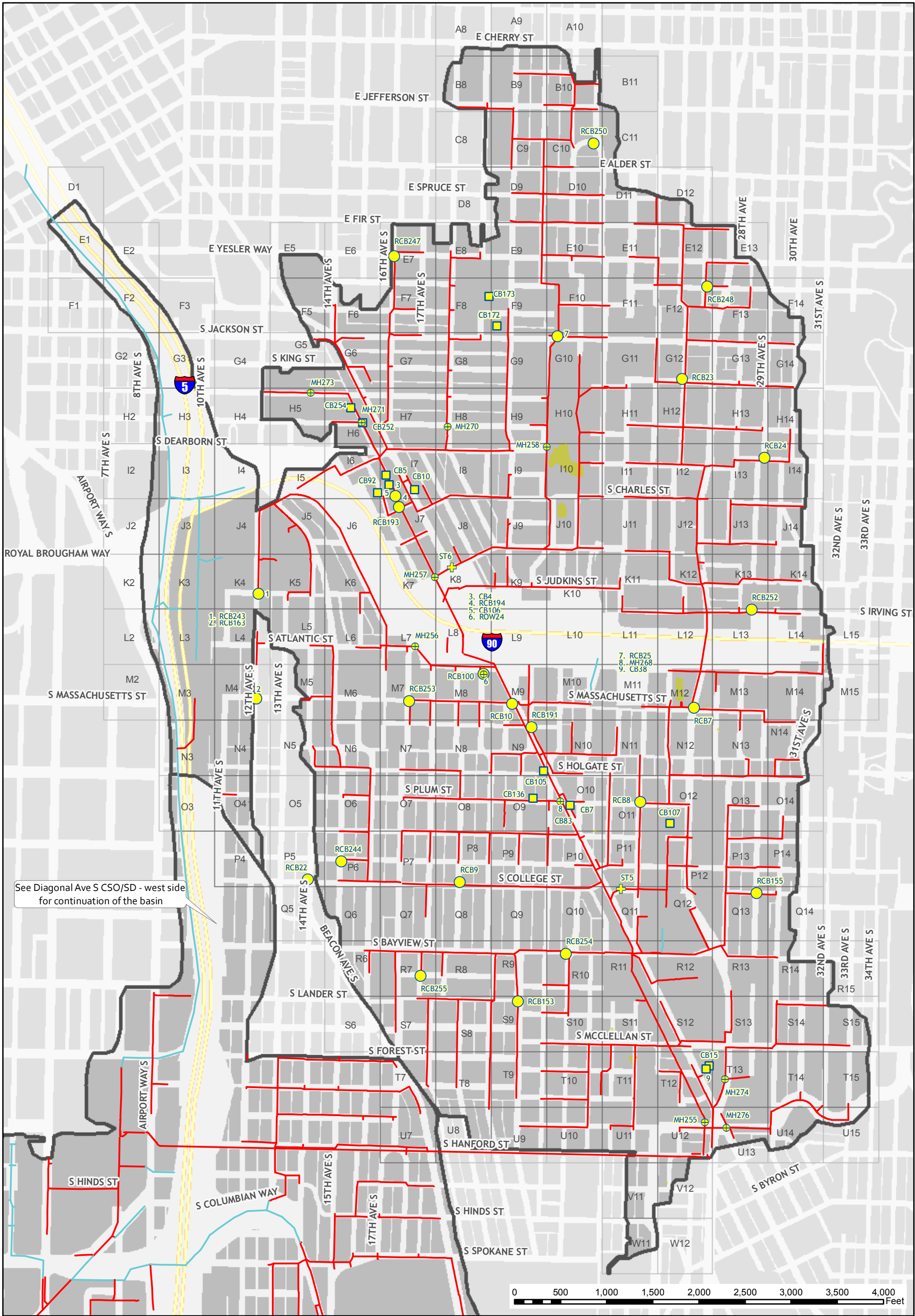
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap



Diagonal Ave S CSO/SD - east side
Map No. 55a - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
- MS4
- Non-MS4
- Unknown

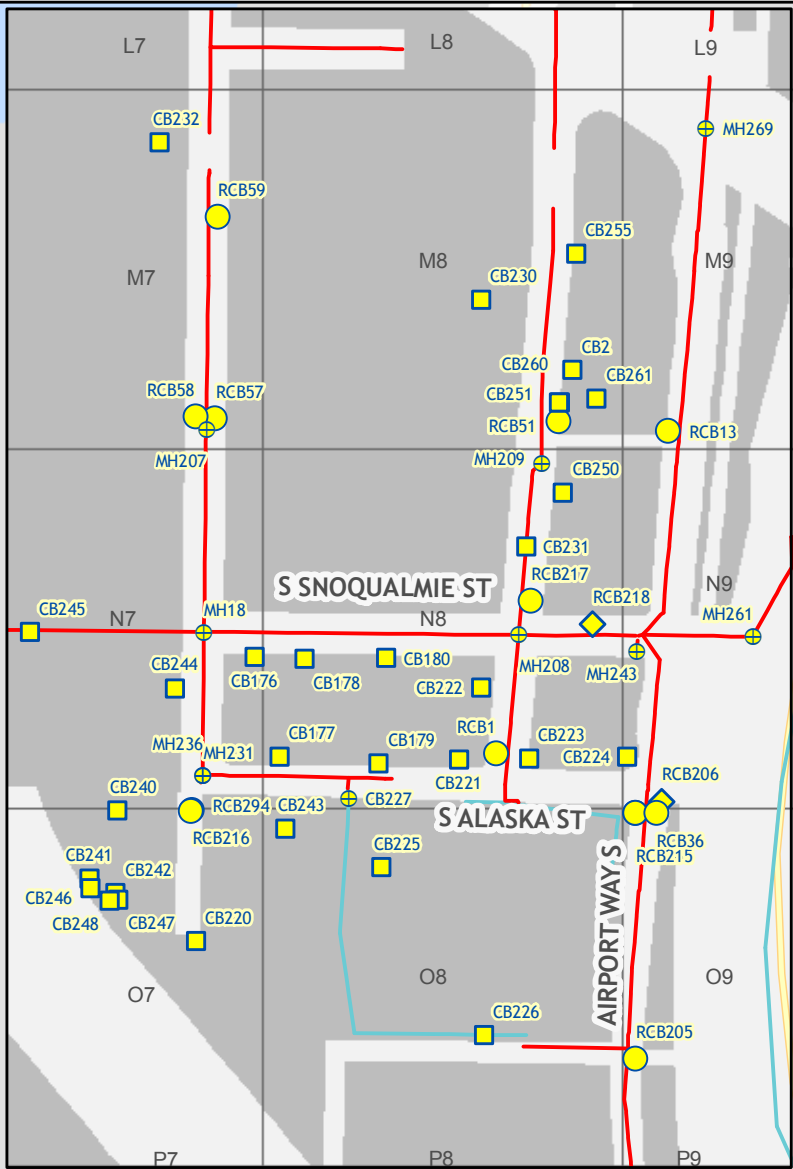
- Open Drainage**
- MS4
- Non-MS4
- Unknown
- Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
- Channel/Ditch
- CSO/SD - SPU/KC
- EOF/SD - SPU/KC
- SD - City

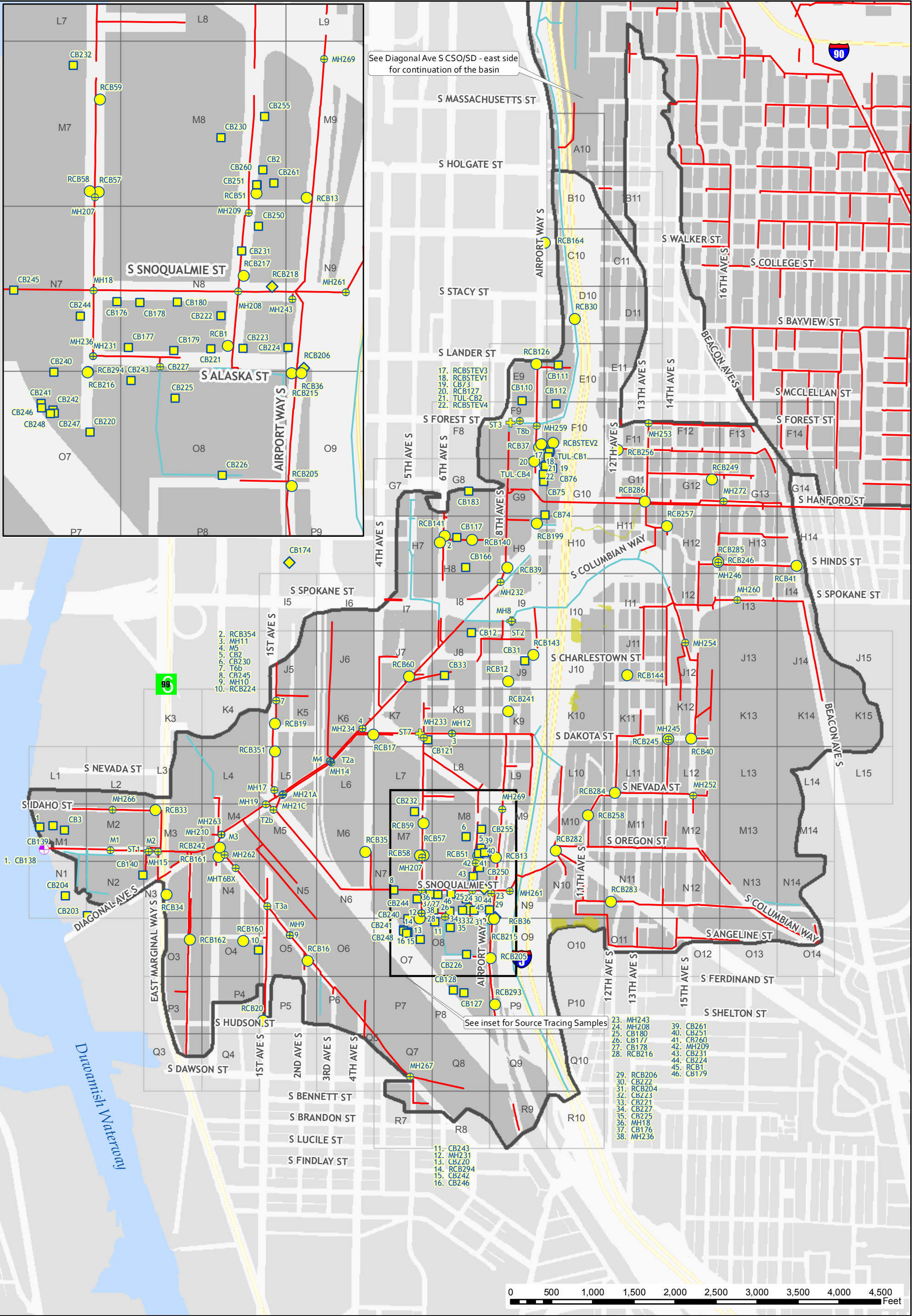
- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
- Inline Grab
- Outside Drainage System, i.e., soil, street dirt
- Right-of-Way Catch Basin
- Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



See Diagonal Ave S CSO/SD - east side
for continuation of the basin



Diagonal Ave S CSO/SD - west side

Map No. 55b - Source Tracing Samples

City of Seattle

Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Basin Boundary

Wetland

Seattle City Limits

Freeway/Highway

Storm Drains

MS4

Non-MS4

Unknown

Open Drainage

MS4

Non-MS4

Unknown

Stream

Outfalls

CSO/EOF/SD-SPU/KC

Channel/Ditch

CSO/SD - SPU/KC

EOF/SD - SPU/KC

SD - City

SD - Private

SD - KC

SD - Port

SD - Tukwila

SD - WSDOT/City

Source Tracing Samples

Private Onsite Catch Basin

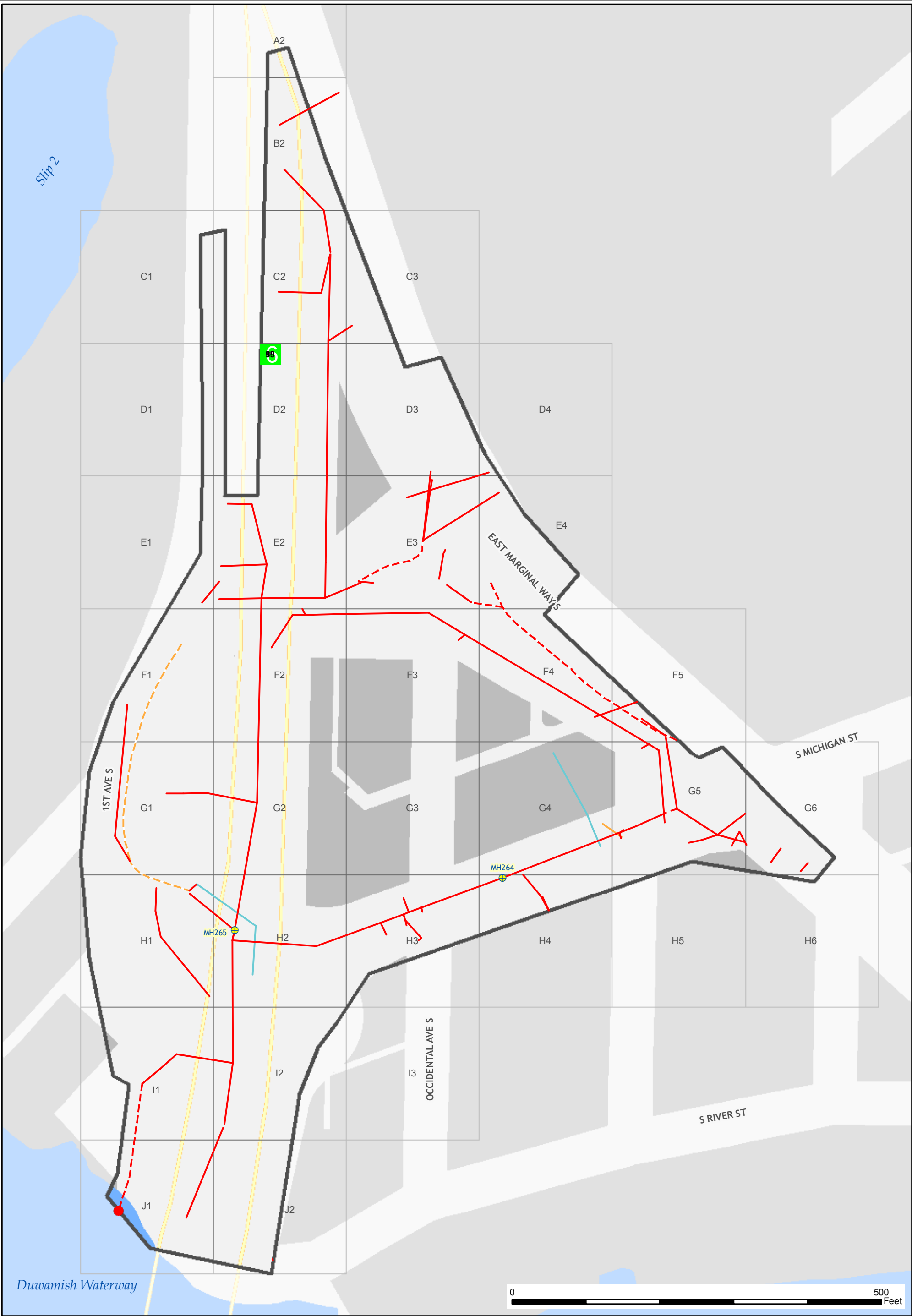
Inline Grab

Outside Drainage System, i.e., soil, street dirt

Right-of-Way Catch Basin

Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



1st Ave S SD (east)
Map No. 56 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
- MS4
- Non-MS4
- Unknown

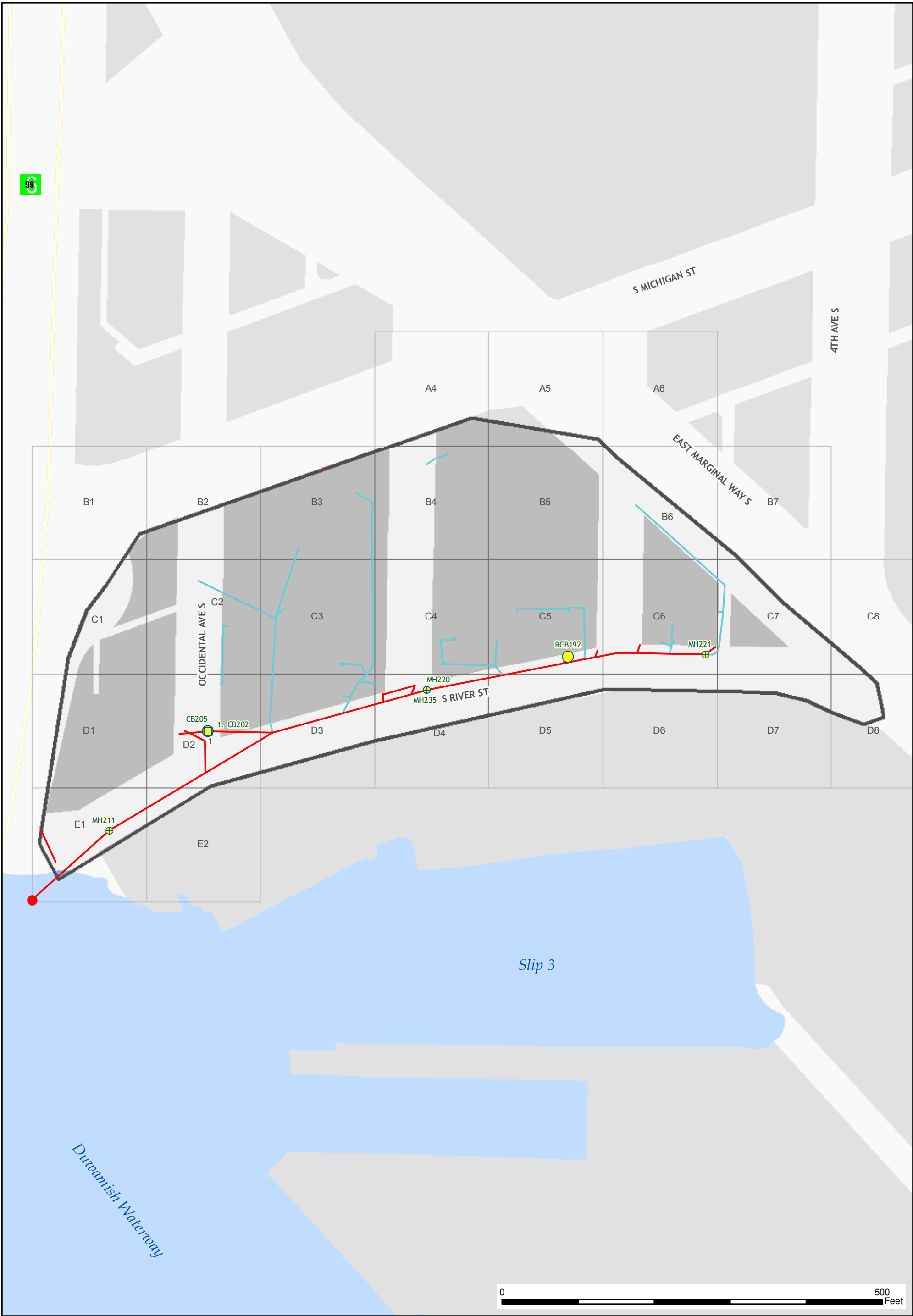
- Open Drainage**
- MS4
- Non-MS4
- Unknown
- Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
- Channel/Ditch
- CSO/SD - SPU/KC
- EOF/SD - SPU/KC
- SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
- Inline Grab
- Outside Drainage System, i.e., soil, street dirt
- Right-of-Way Catch Basin
- Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



S River St SD
Map No. 57 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
- MS4
- Non-MS4
- Unknown

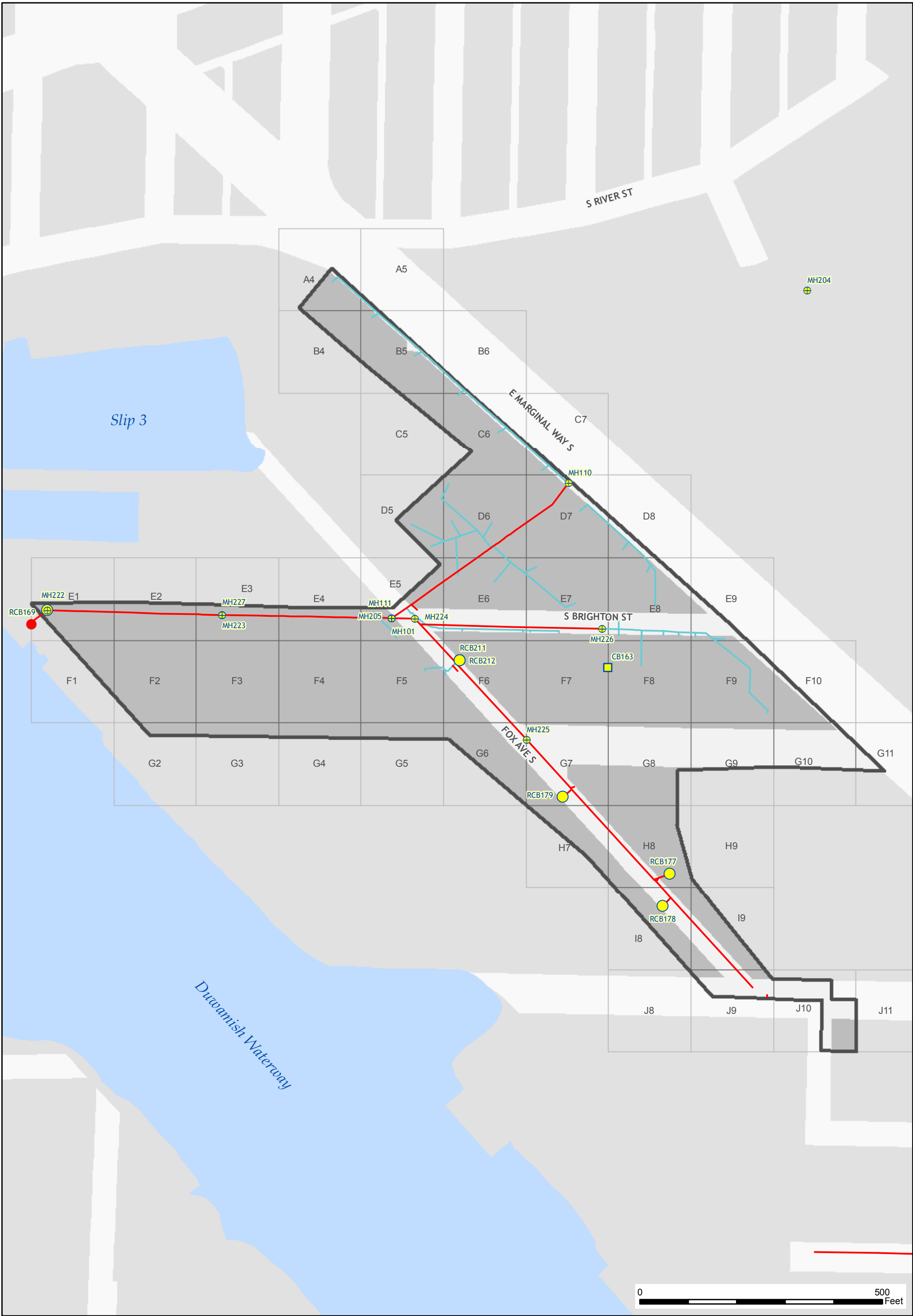
- Open Drainage**
- MS4
- Non-MS4
- Unknown
- Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
- Channel/Ditch
- CSO/SD - SPU/KC
- EOF/SD - SPU/KC
- SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
- Inline Grab
- Outside Drainage System, i.e., soil, street dirt
- Right-of-Way Catch Basin
- Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



S Brighton St SD
Map No. 58 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
- MS4
- Non-MS4
- Unknown

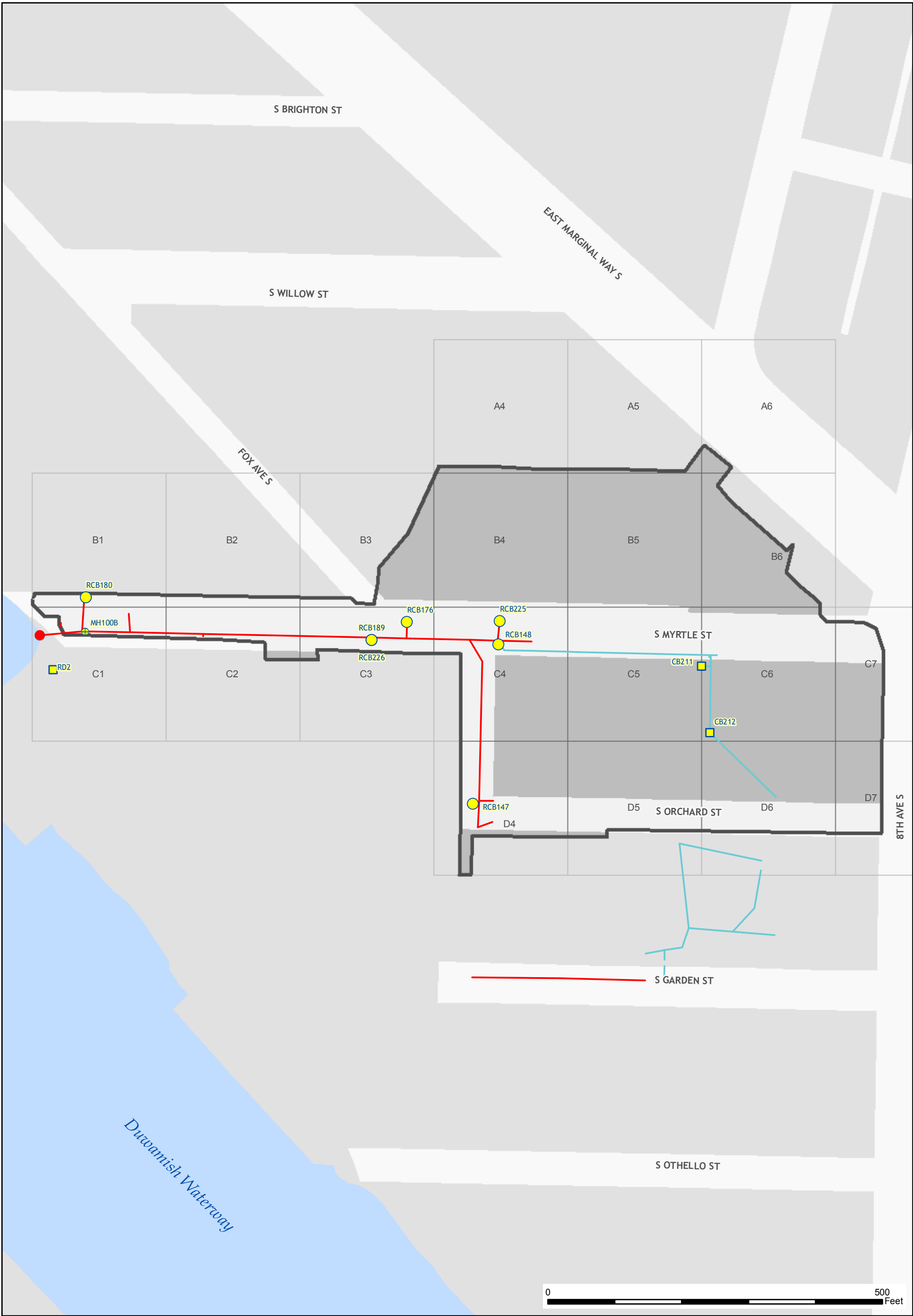
- Open Drainage**
- MS4
- Non-MS4
- Unknown
- Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
- Channel/Ditch
- CSO/SD - SPU/KC
- EOF/SD - SPU/KC
- SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
- Inline Grab
- Outside Drainage System, i.e., soil, street dirt
- Right-of-Way Catch Basin
- Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



S Myrtle St SD
Map No. 59 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
- MS4
- Non-MS4
- Unknown

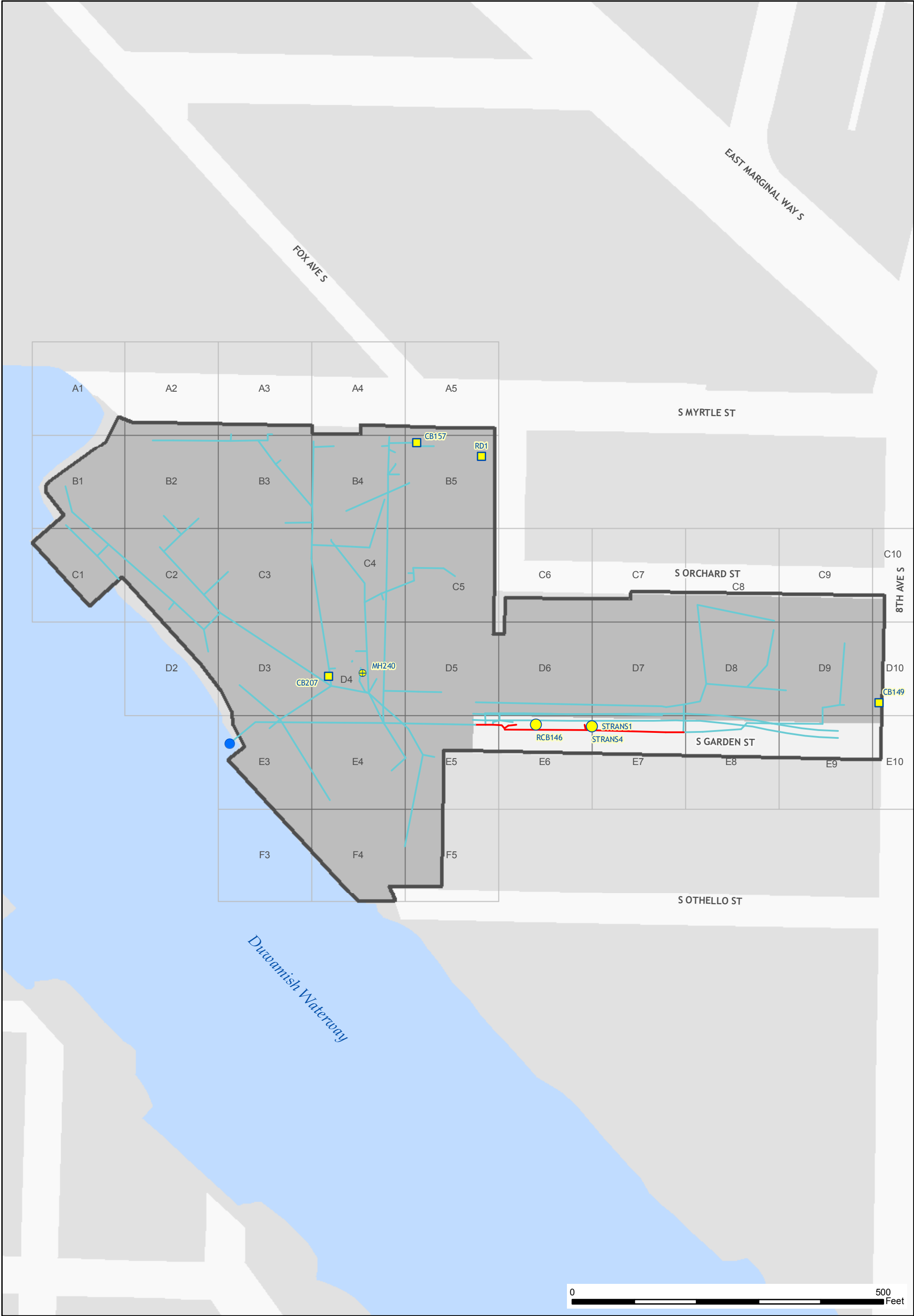
- Open Drainage**
- MS4
- Non-MS4
- Unknown
- Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
- Channel/Ditch
- CSO/SD - SPU/KC
- EOF/SD - SPU/KC
- SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
- Inline Grab
- Outside Drainage System, i.e., soil, street dirt
- Right-of-Way Catch Basin
- Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



S Garden St SD
Map No. 60 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

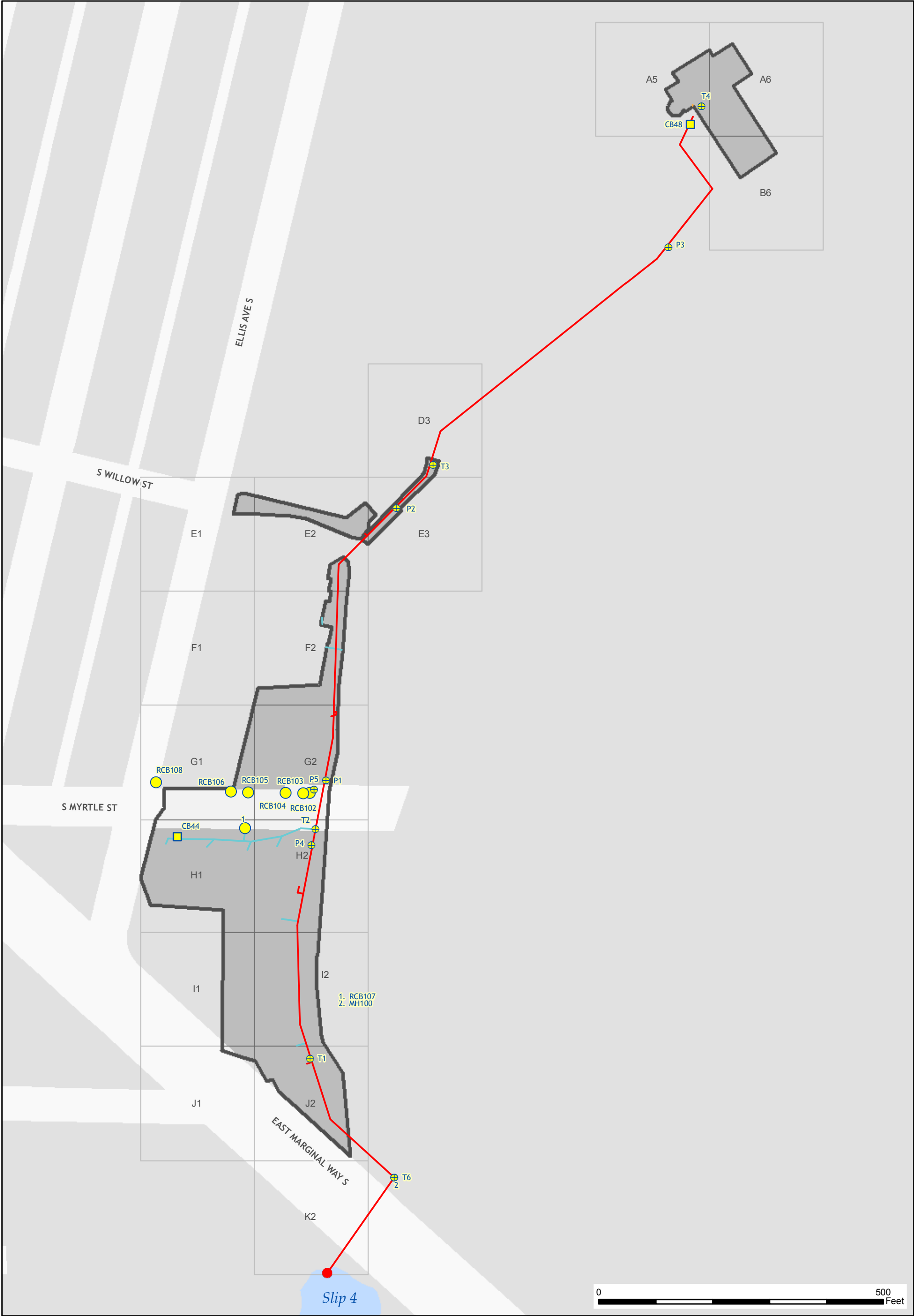
- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_sampling.mxd



Georgetown SD
Map No. 61 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

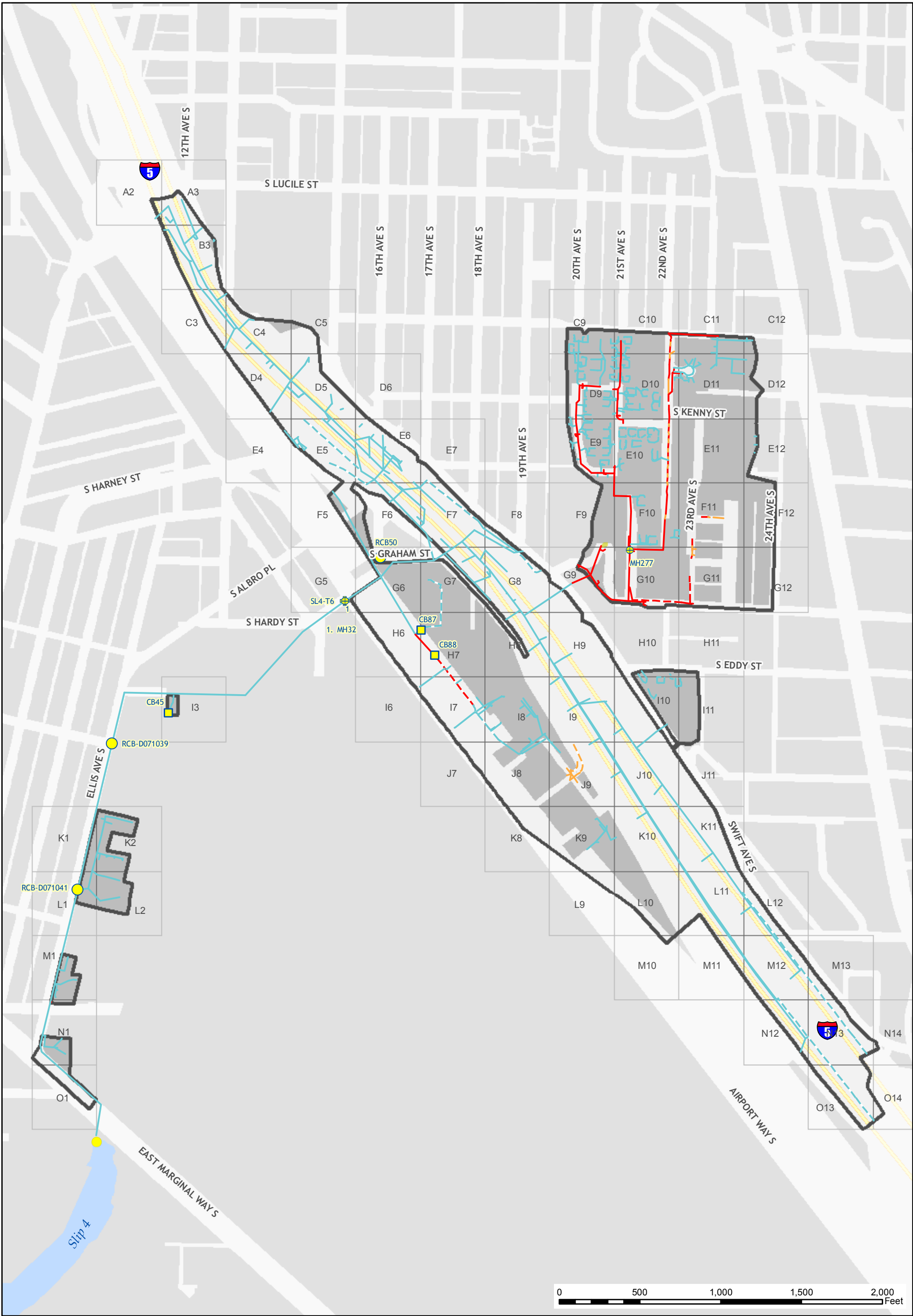
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
 - Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



I-5 SD at Slip 4
Map No. 62 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Basin Boundary

Wetland

Seattle City Limits

Freeway/Highway

Storm Drains

MS4

Non-MS4

Unknown

Open Drainage

MS4

Non-MS4

Unknown

Stream

Outfalls

CSO/EOF/SD-SPU/KC

Channel/Ditch

CSO/SD - SPU/KC

EOF/SD - SPU/KC

SD - City

SD - Private

SD - KC

SD - Port

SD - Tukwila

SD - WSDOT/City

Source Tracing Samples

Private Onsite Catch Basin

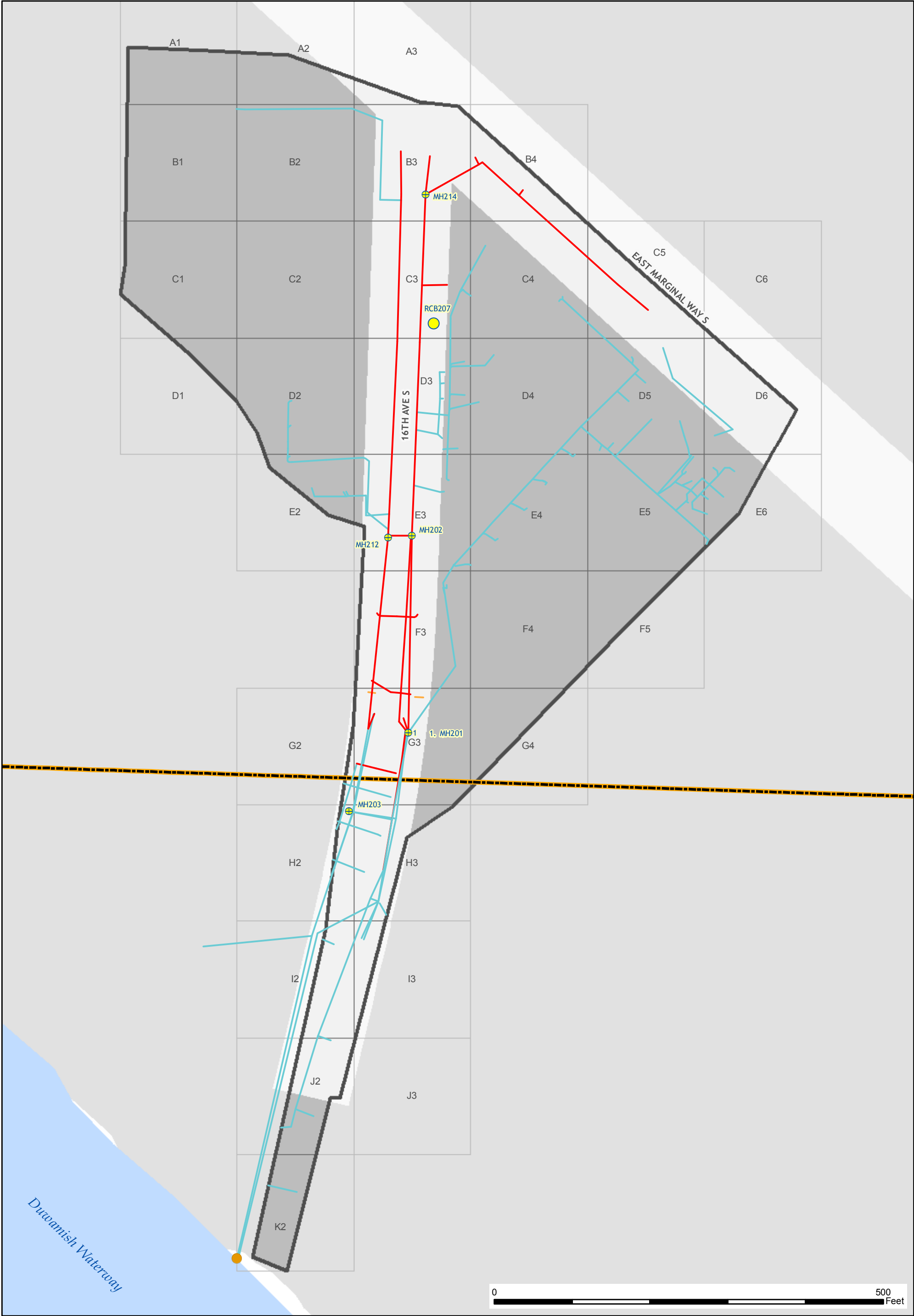
Inline Grab

Outside Drainage System, i.e., soil, street dirt

Right-of-Way Catch Basin

Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



16th Ave S SD (east)
Map No. 63 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

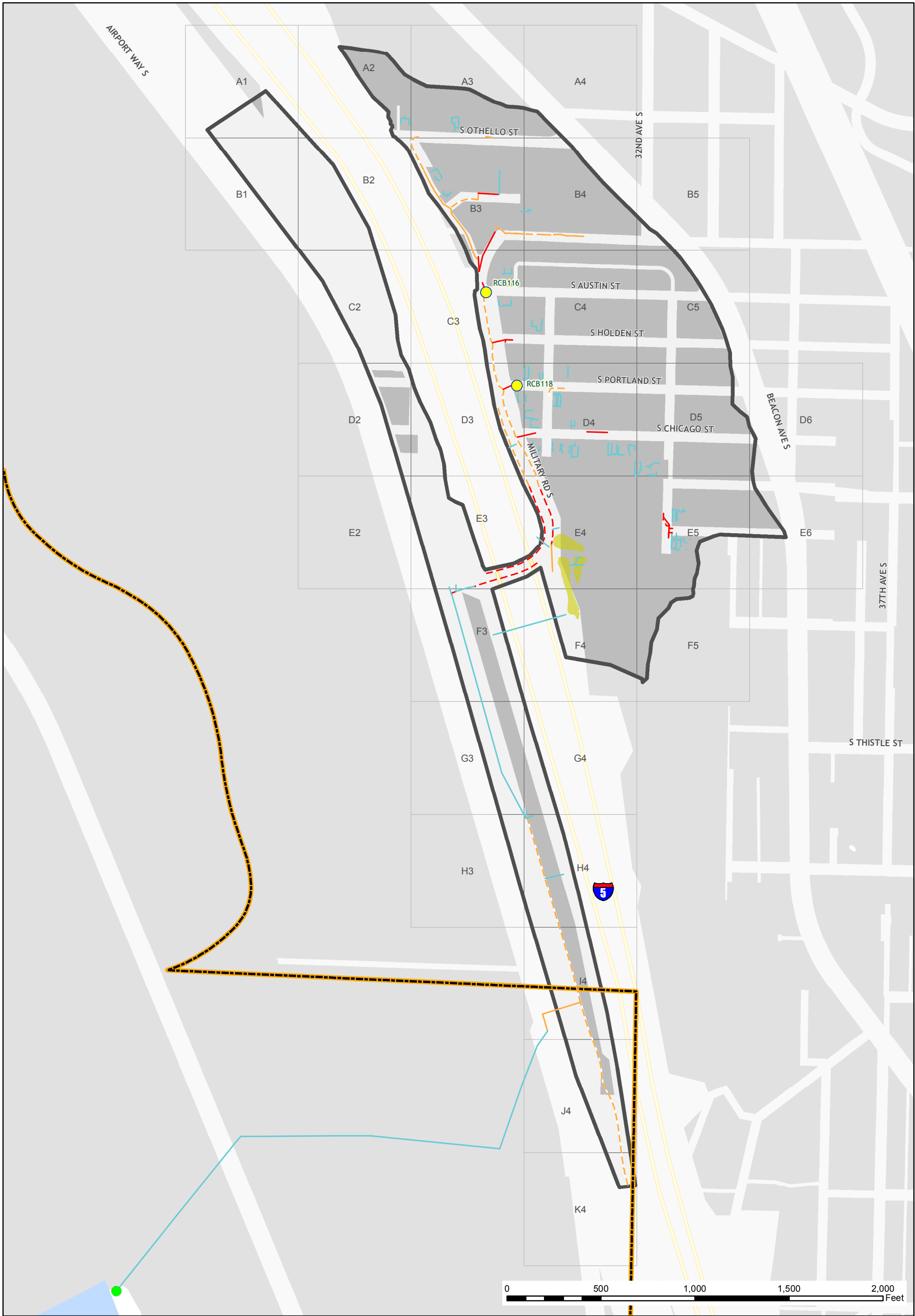
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
 - Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



KCSD#1
Map No. 64 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Basin Boundary
 - Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

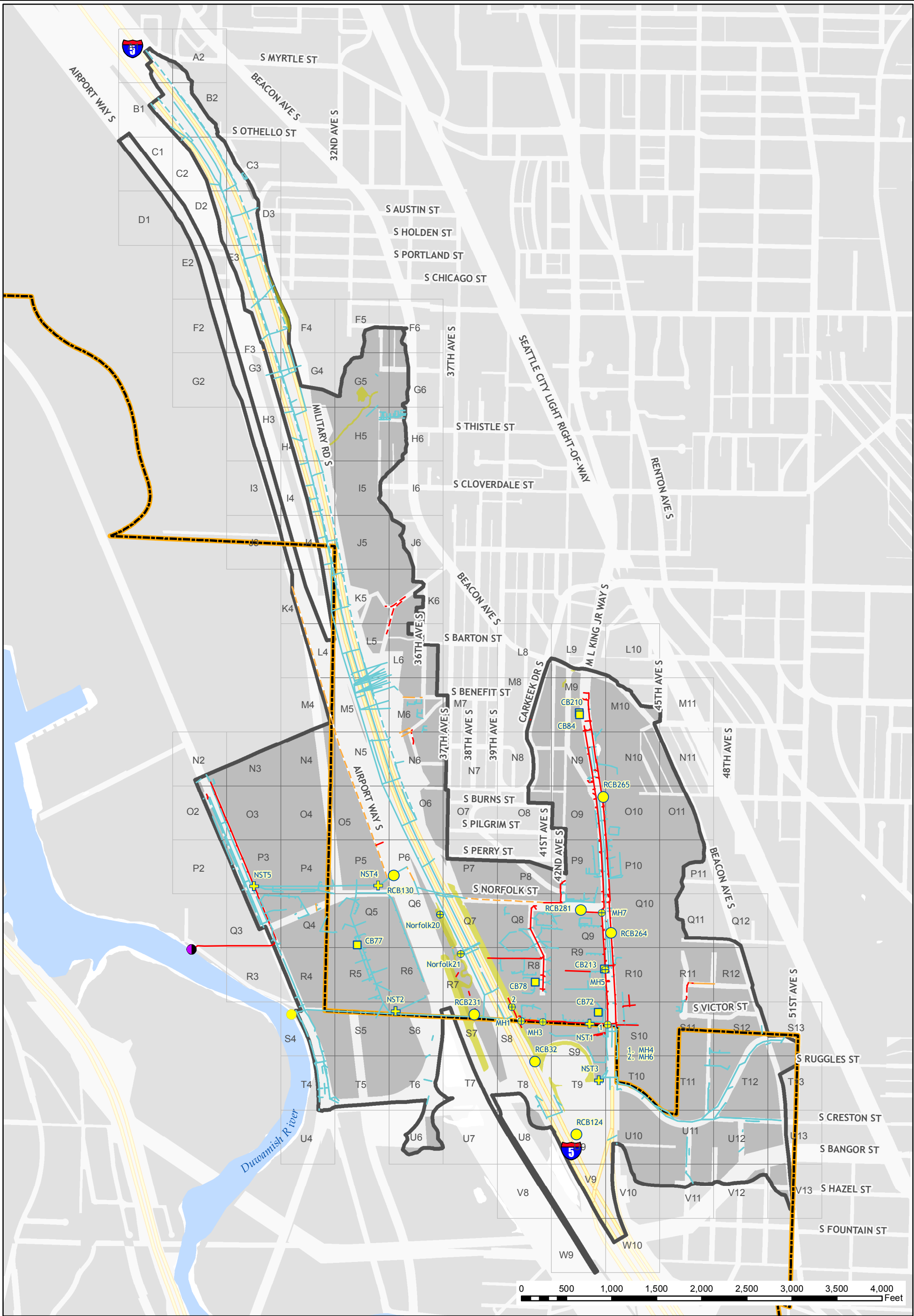
- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_sampling.mxd



S Norfolk St CSO/PS17 EOF/SD
Map No. 65 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

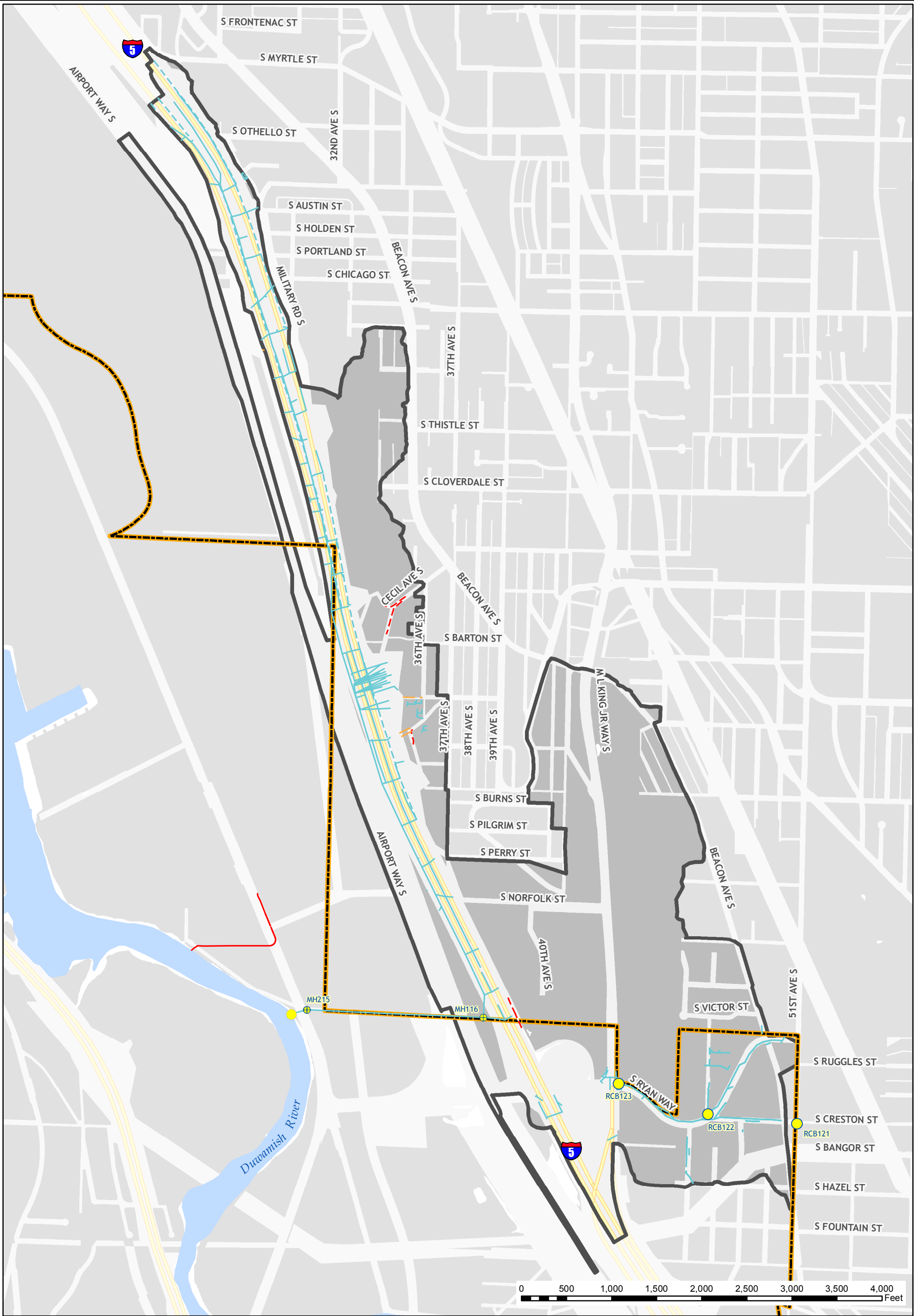
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
 - Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



I-5 SD at S Ryan St
Map No. 66 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary**
- Wetland
 - Seattle City Limits
 - Freeway/Highway
- Storm Drains**
- MS4
 - Non-MS4
 - Unknown

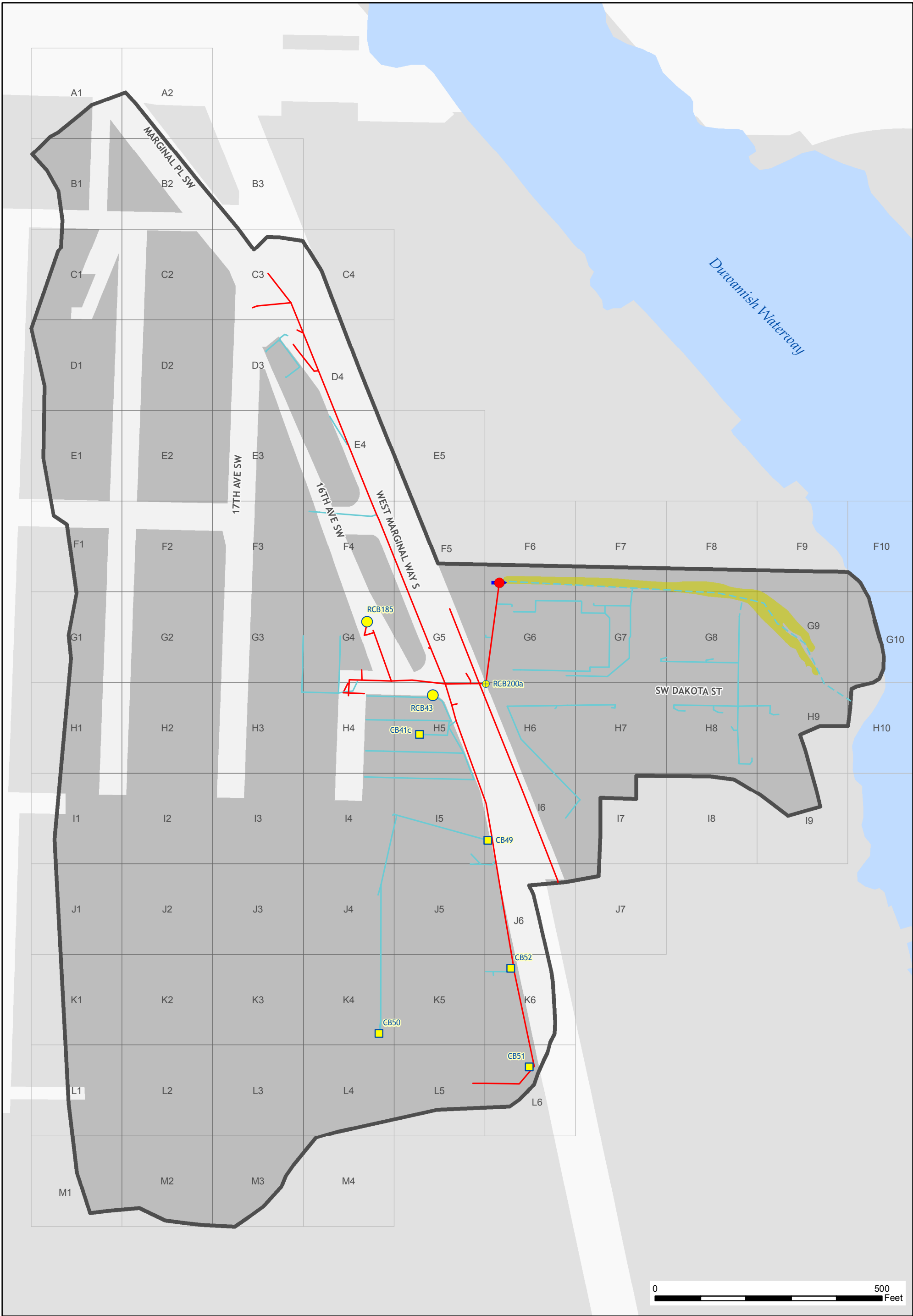
- Open Drainage**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_sampling.mxd



SW Dakota St SD
Map No. 67 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

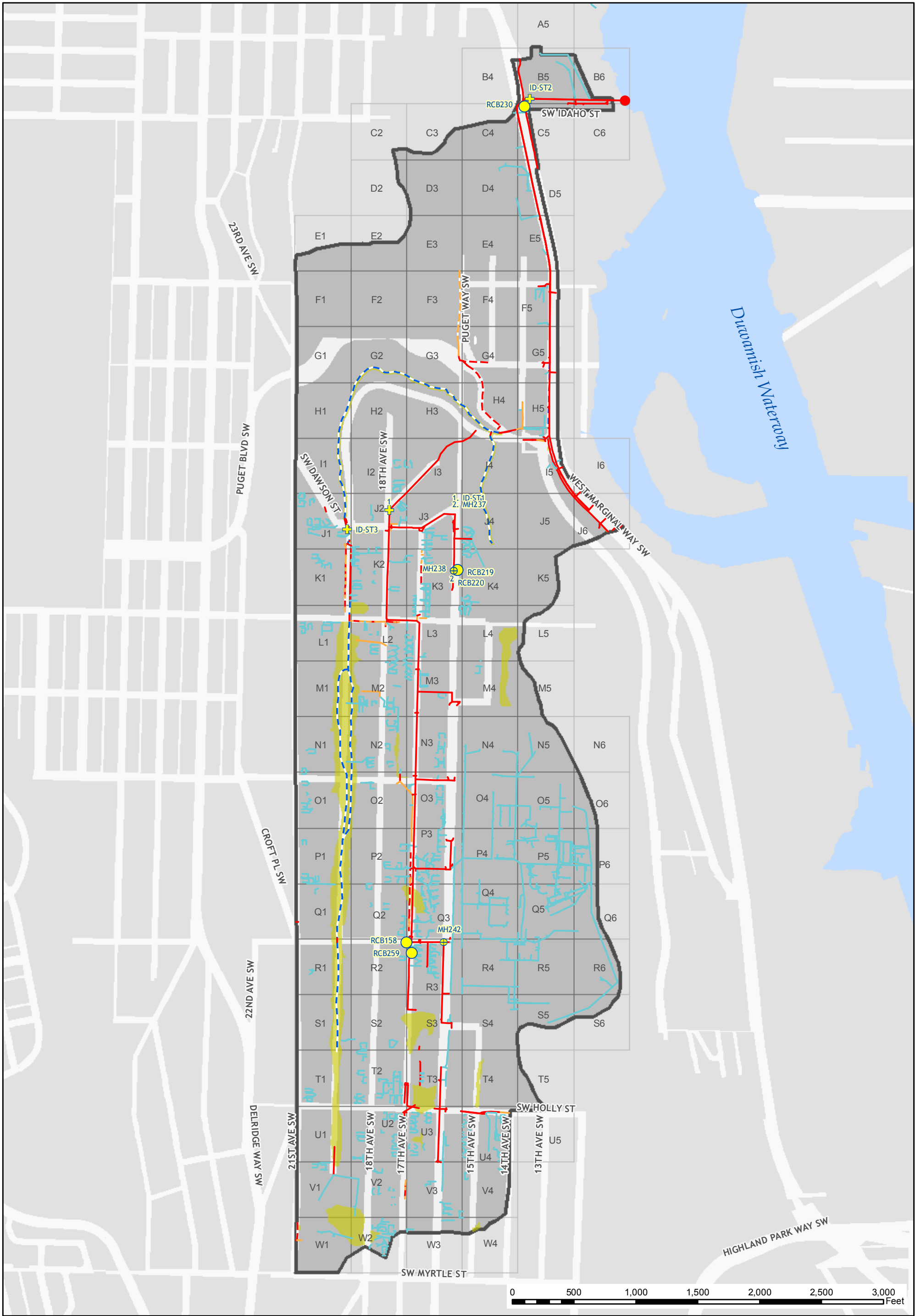
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
 - Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



SW Idaho St SD
Map No. 68 - Source Tracing Samples



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
- MS4
- Non-MS4
- Unknown

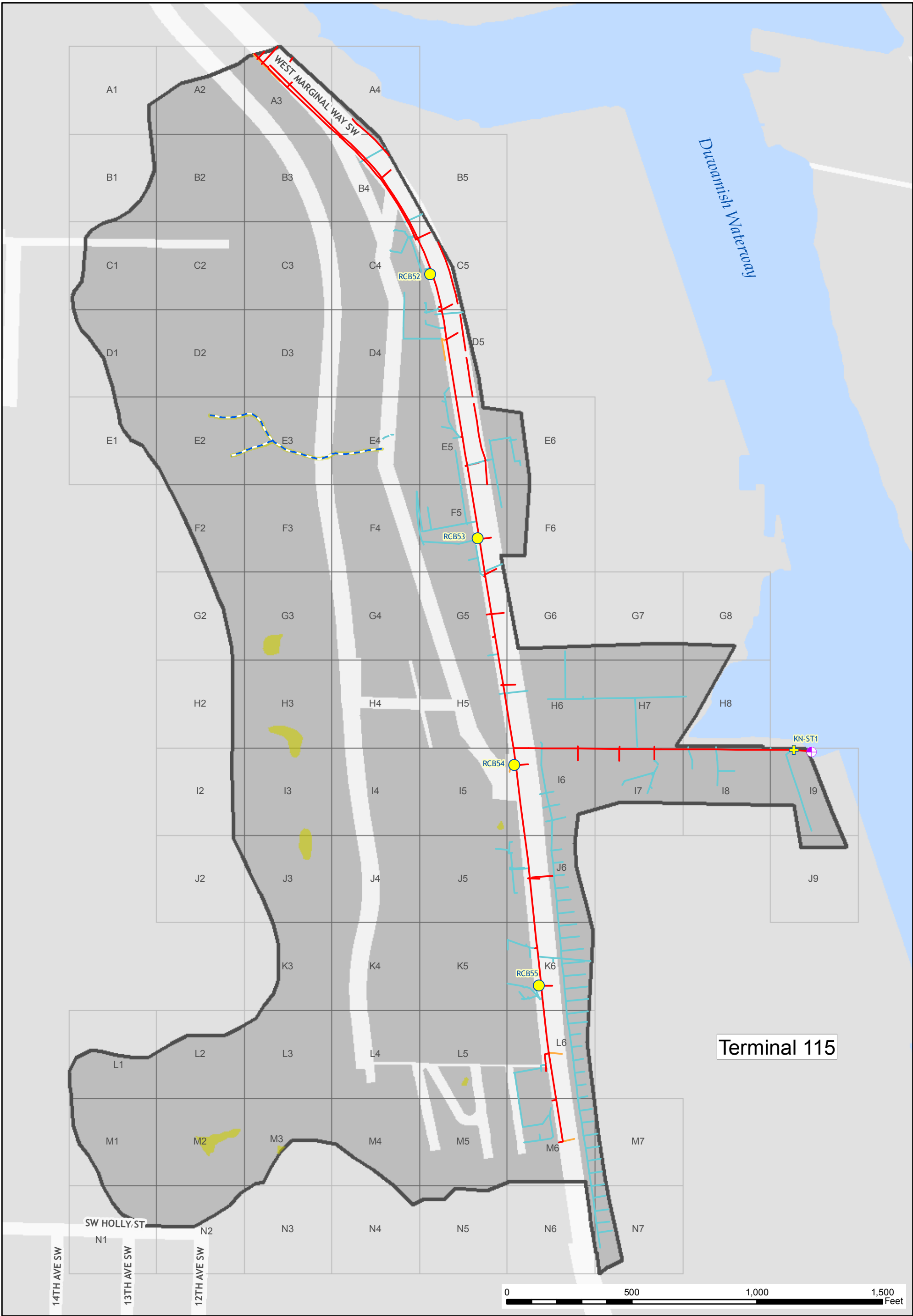
- Open Drainage**
- MS4
- Non-MS4
- Unknown
- Stream

- Outfalls**
- CSO/EOF/SD-SPU/KC
- Channel/Ditch
- CSO/SD - SPU/KC
- EOF/SD - SPU/KC
- SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
- Private Onsite Catch Basin
- Inline Grab
- Outside Drainage System, i.e., soil, street dirt
- Right-of-Way Catch Basin
- Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



SW Kenny St SD/T115 CSO
Map No. 69 - Source Tracing Samples



City of Seattle



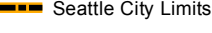
Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.



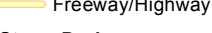
Basin Boundary



Wetland



Seattle City Limits



Freeway/Highway

Storm Drains



MS4



Non-MS4



Unknown

Open Drainage



MS4



Non-MS4



Unknown



Stream

Outfalls



CSO/EOF/SD-SPU/KC



Channel/Ditch



CSO/SD - SPU/KC



EOF/SD - SPU/KC



SD - City



SD - Private



SD - KC



SD - Port



SD - Tukwila



SD - WSDOT/City

Source Tracing Samples



Private Onsite Catch Basin



Inline Grab



Outside Drainage System, i.e., soil, street dirt

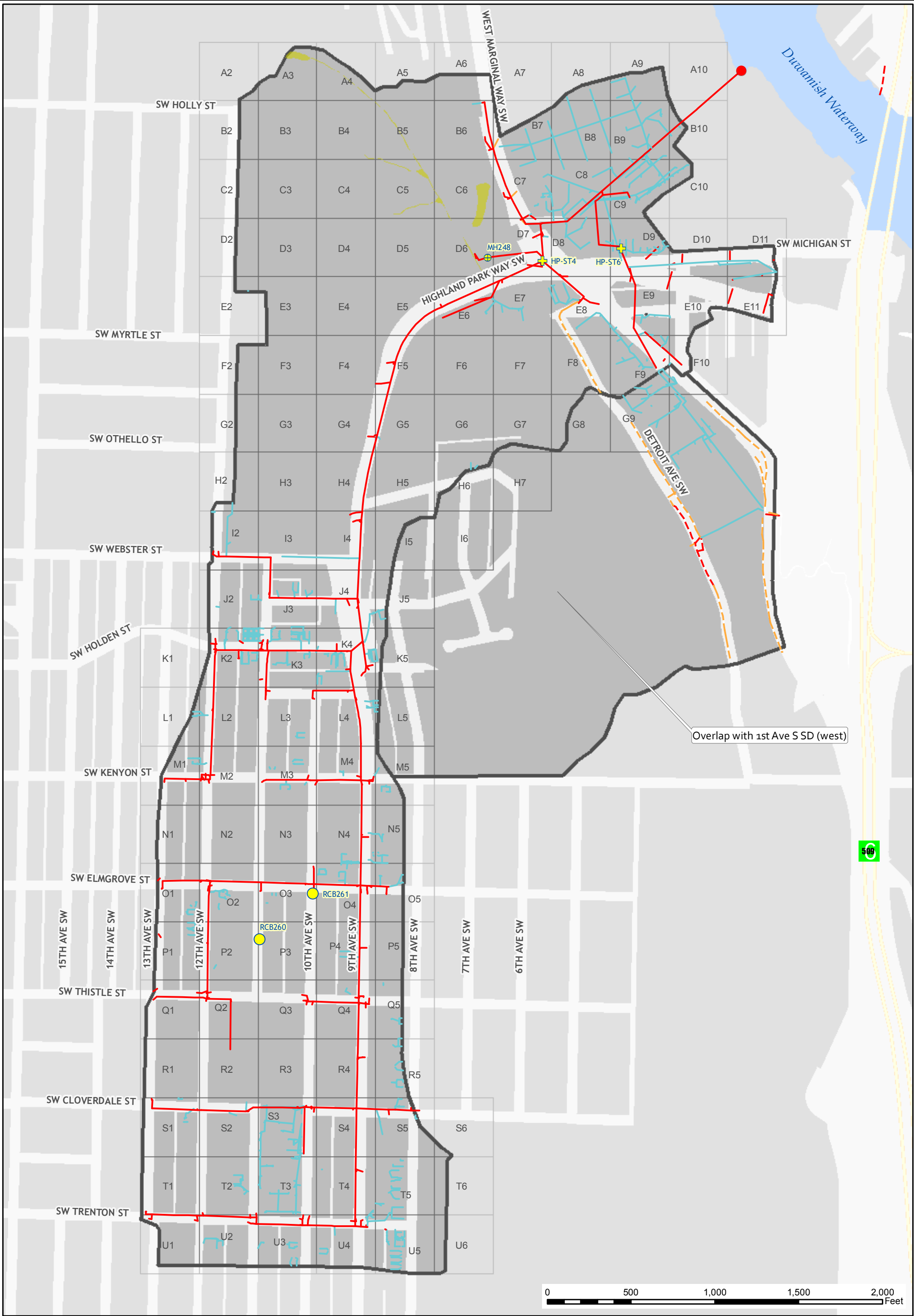


Right-of-Way Catch Basin



Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



Highland Park Wy SW SD
Map No. 70 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

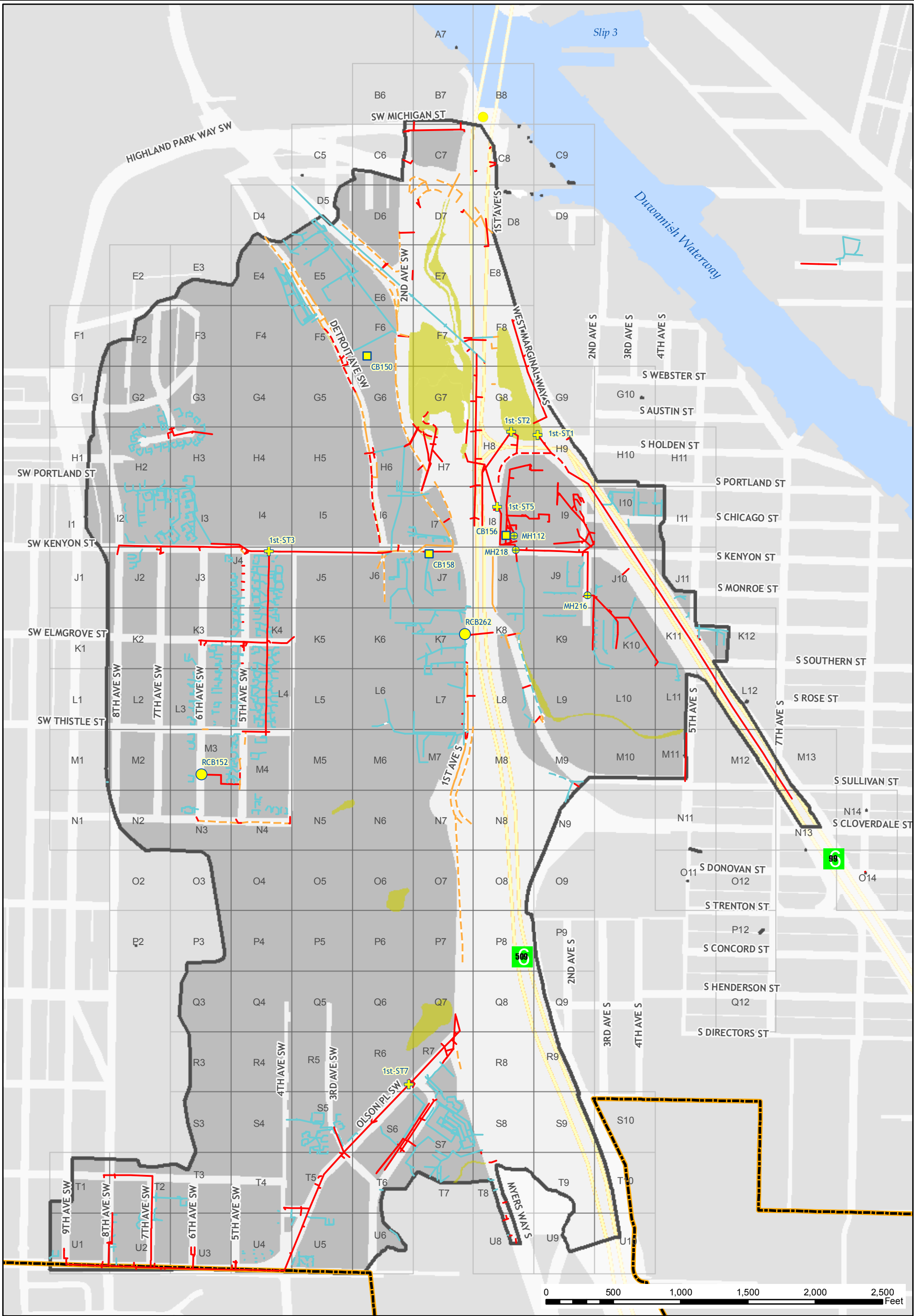
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
 - Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



1st Ave S SD (west)
Map No. 71 - Source Tracing Samples



City of Seattle

Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

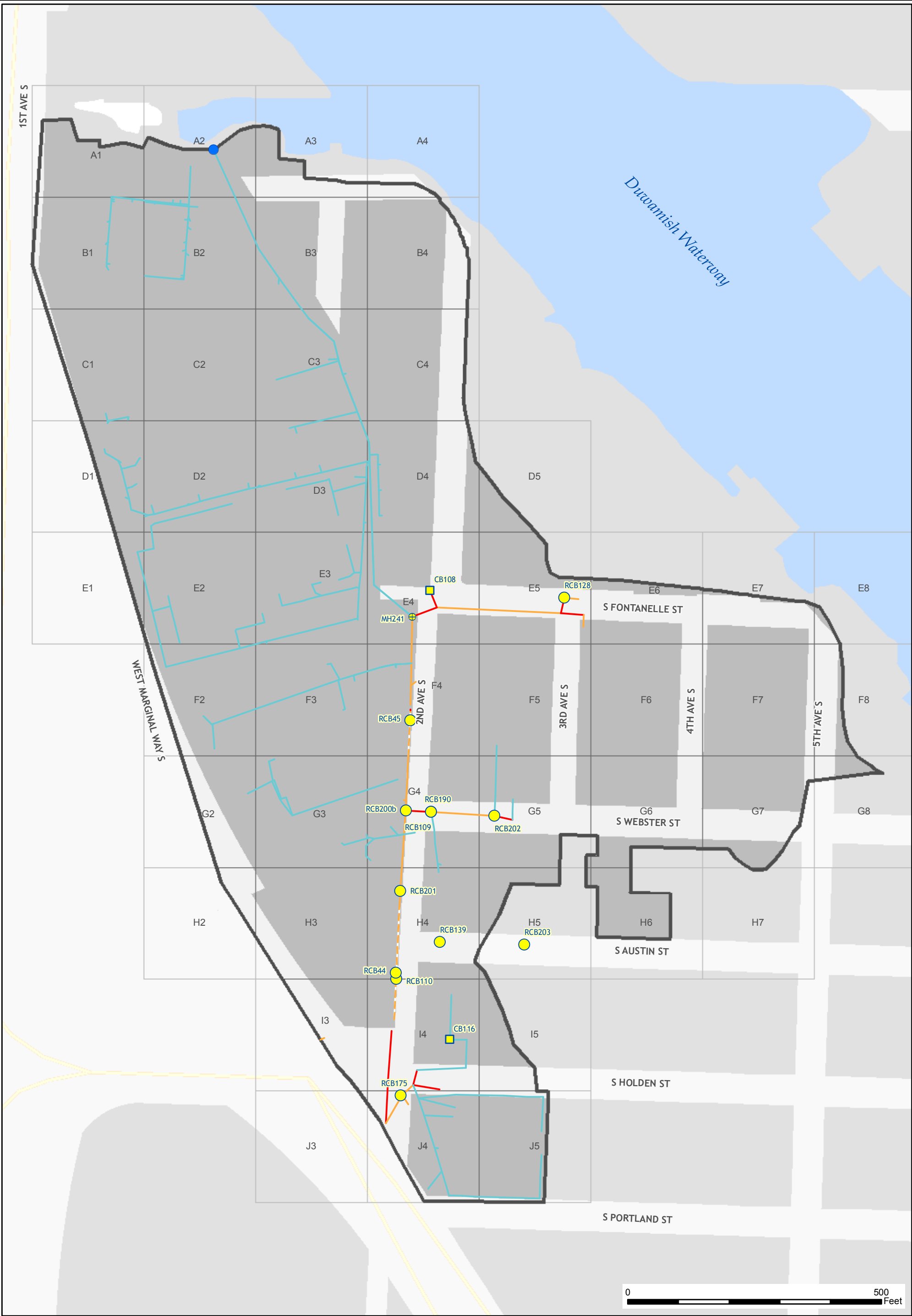
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
 - Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



2nd Ave S SD
Map No. 72 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Basin Boundary

Wetland

Seattle City Limits

Freeway/Highway

Storm Drains

MS4

Non-MS4

Unknown

Open Drainage

MS4

Non-MS4

Unknown

Stream

Outfalls

CSO/EOF/SD-SPU/KC

Channel/Ditch

CSO/SD - SPU/KC

EOF/SD - SPU/KC

SD - City

SD - Private

SD - KC

SD - Port

SD - Tukwila

SD - WSDOT/City

Source Tracing Samples

Private Onsite Catch Basin

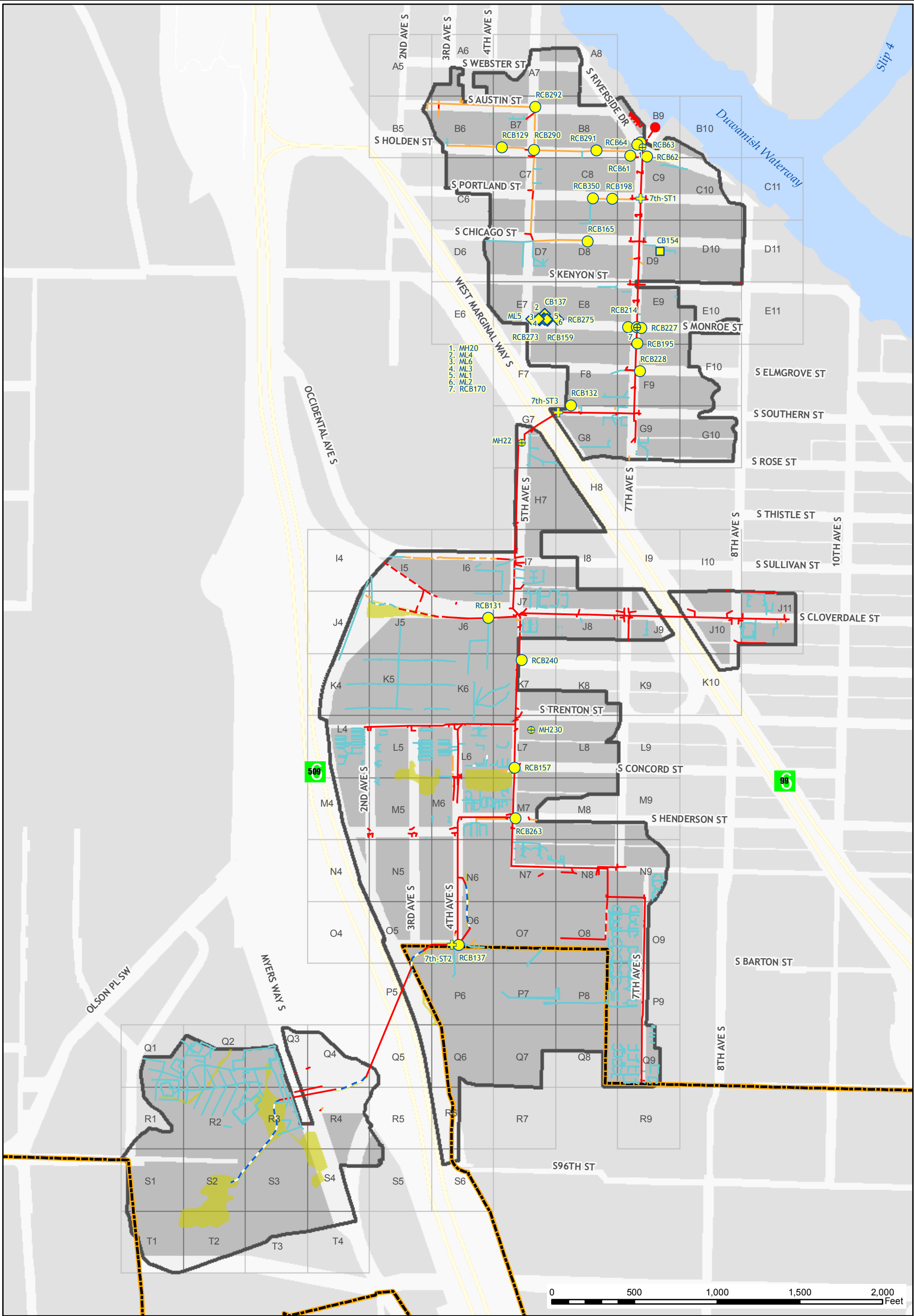
Inline Grab

Outside Drainage System, i.e., soil, street dirt

Right-of-Way Catch Basin

Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\Duwamish_SC_sampling.mxd



7th Ave S SD
Map No. 73 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

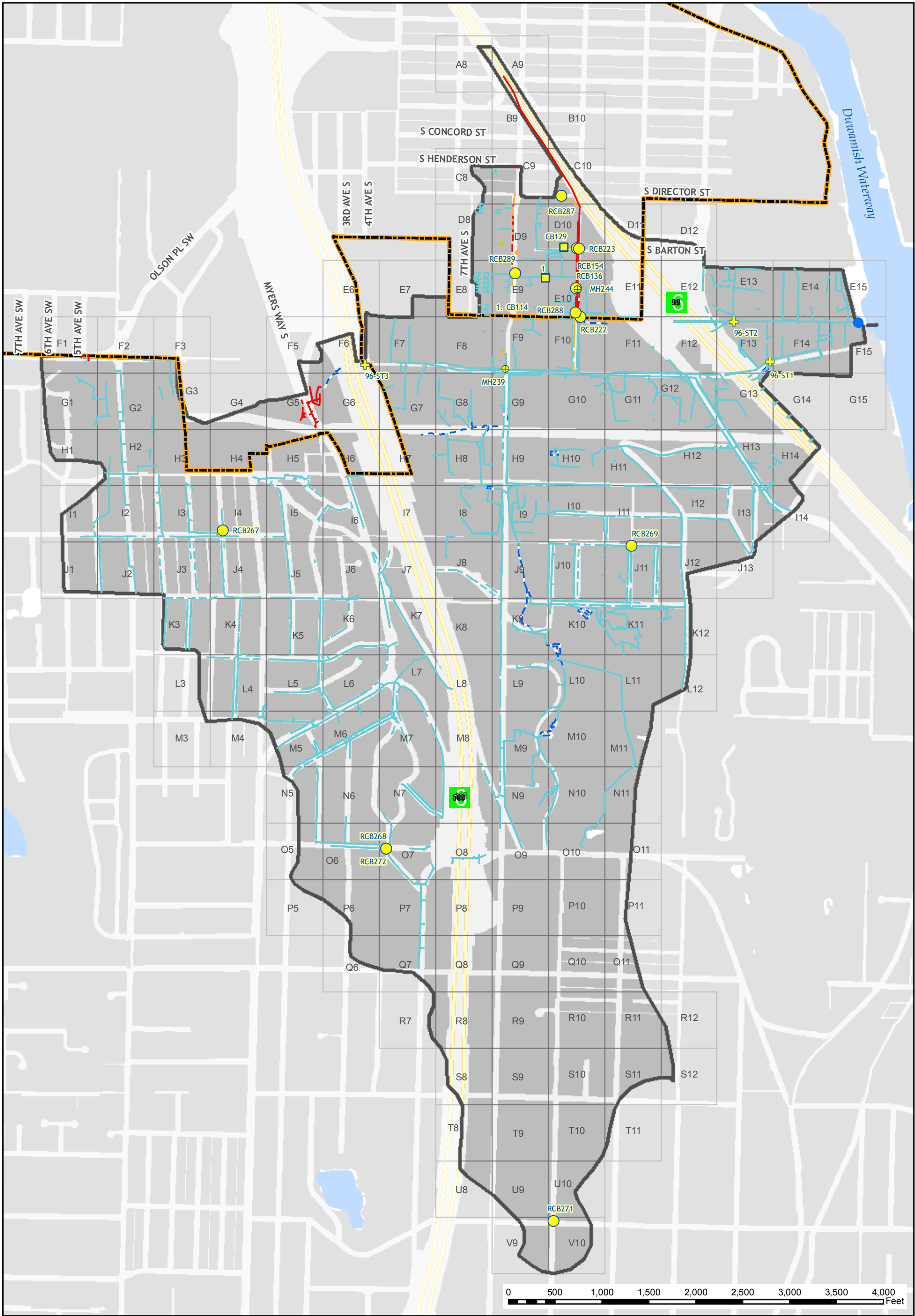
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
 - Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



S 96th St SD
Map No. 74 - Source Tracing Samples



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits
- Freeway/Highway
- Storm Drains**
 - MS4
 - Non-MS4
 - Unknown

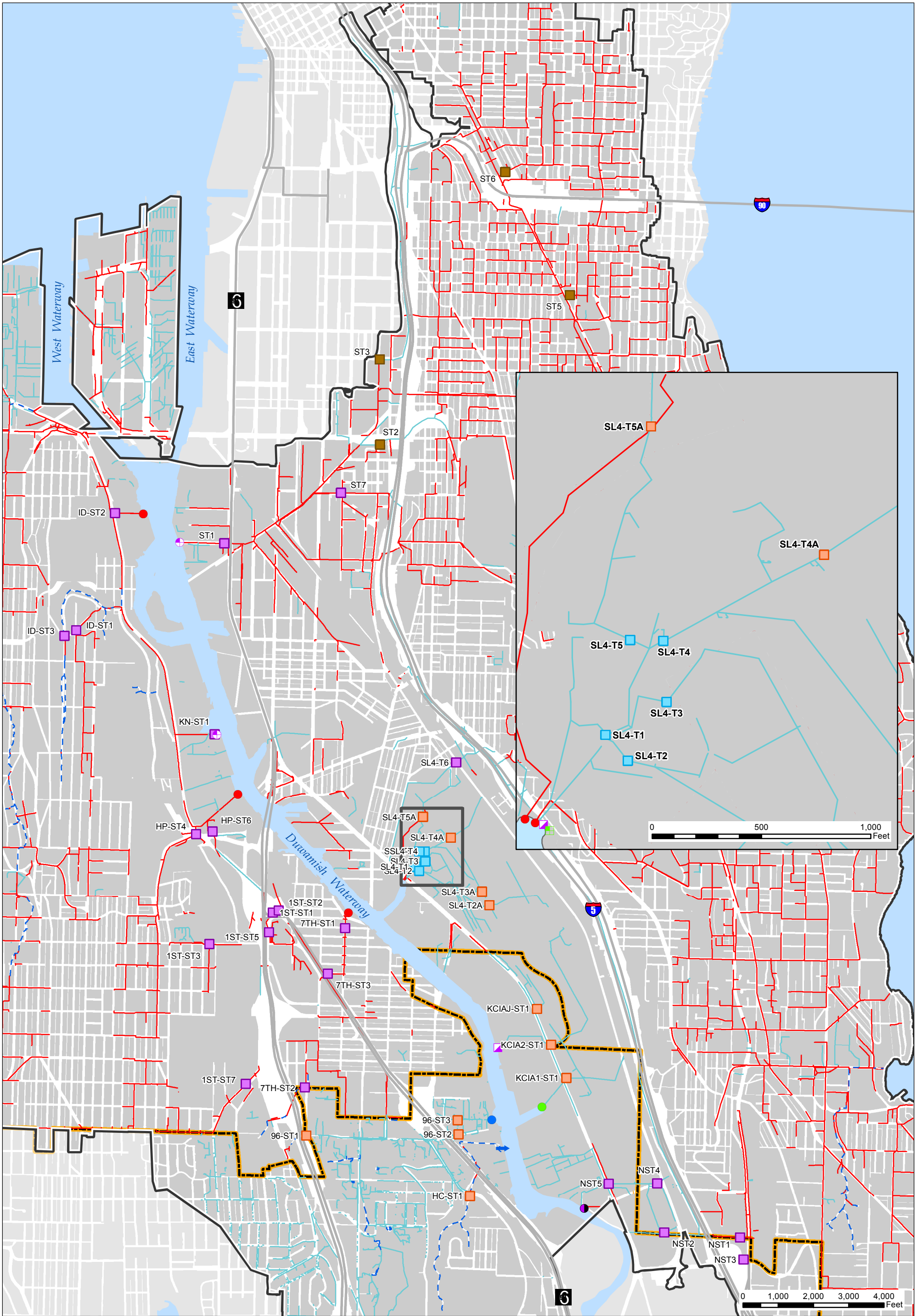
- Open Drainage**
 - MS4
 - Non-MS4
 - Unknown
 - Stream

- Outfalls**
 - CSO/EOF/SD-SPU/KC
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City

- SD - Private
- SD - KC
- SD - Port
- SD - Tukwila
- SD - WSDOT/City

- Source Tracing Samples**
 - Private Onsite Catch Basin
 - Inline Grab
 - Outside Drainage System, i.e., soil, street dirt
 - Right-of-Way Catch Basin
 - Inline Sediment Trap

X:\SourceControl\MS4\Duwamish\SourceControl\Plan\DuwamishSC_sampling.mxd



Lower Duwamish Waterway
Map No. 75 - Sediment Trap Locations



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

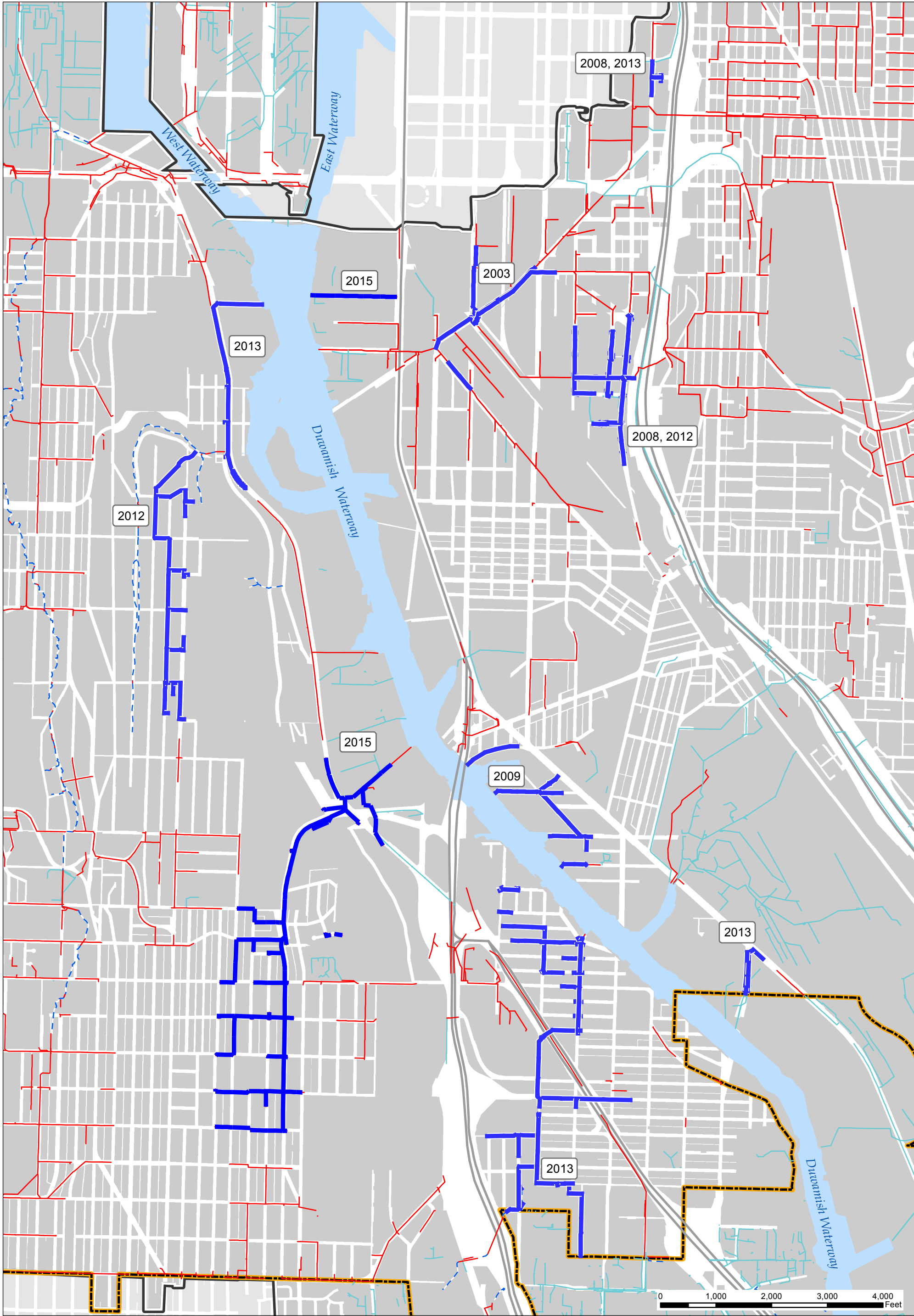
- Combined Sewer Basin
- Seattle City Limits
- Storm Drains**
- MS4
- Non-MS4
- Unknown
- Stream

- Sediment Trap**
(Currently Maintained by)
- Boeing
- King County
- SPU
- Trap Removed

- Outfalls with upstream sediment traps**
- Channel/Ditch
- CSO/EOF/SD - SPU/KC
- CSO/SD - SPU/KC

- EOF/SD-SPU/KC
- SD - City
- SD - Private
- SD - KC

\\spushare03\e\USMGIS\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_72_SedTraps.mxd



Lower Duwamish Waterway

Map No. 76 - Storm Drains Cleaned (2008-2015)



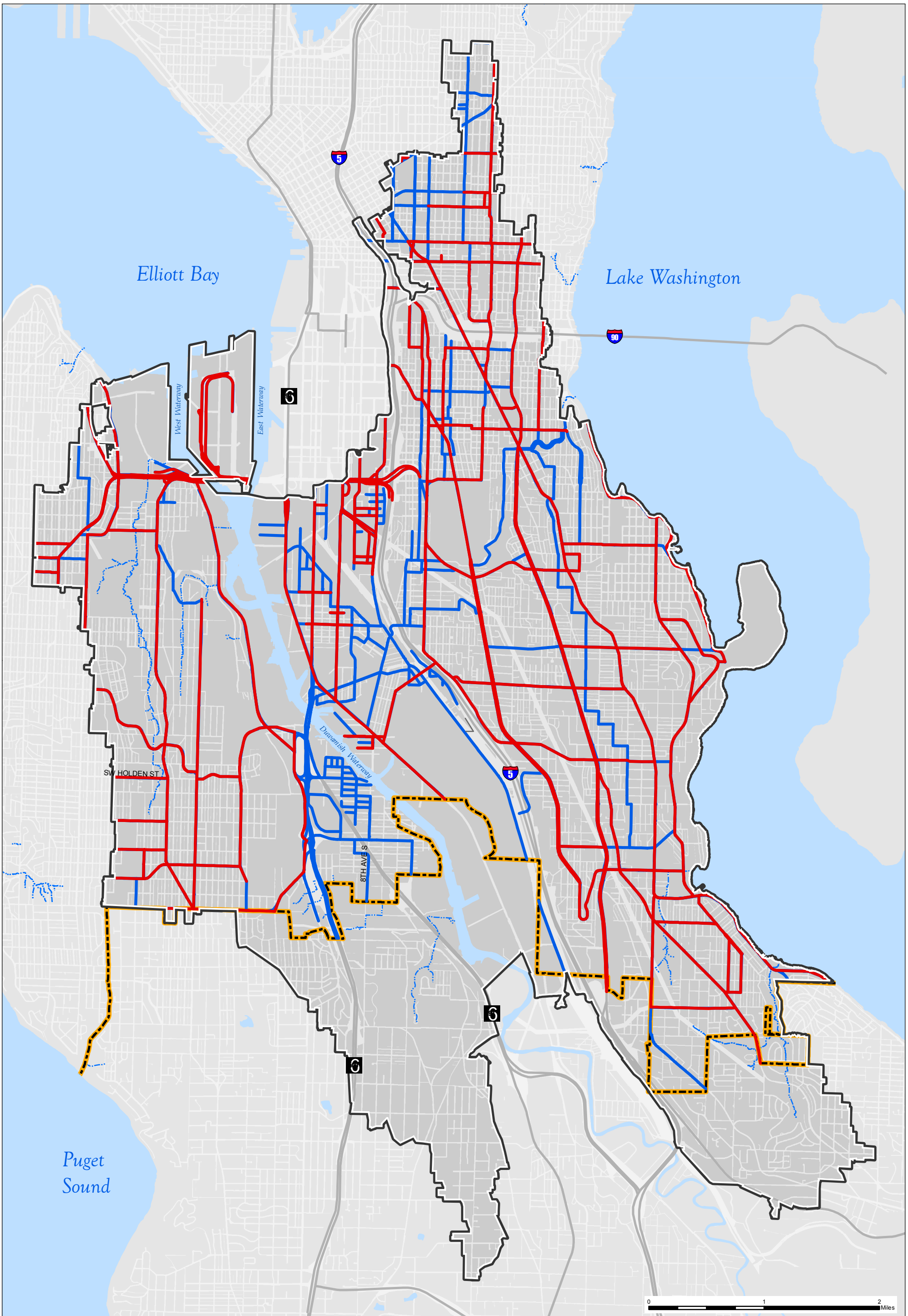
City of Seattle



- Combined Sewer Basin
- Seattle City Limits
- Freeways & State Highways

- Storm Drains**
- MS4
 - Non-MS4
 - Unknown
 - Stream

- Lines Cleaned (year cleaned)**

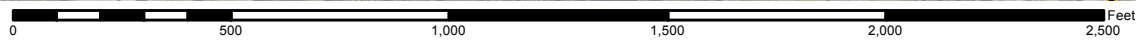
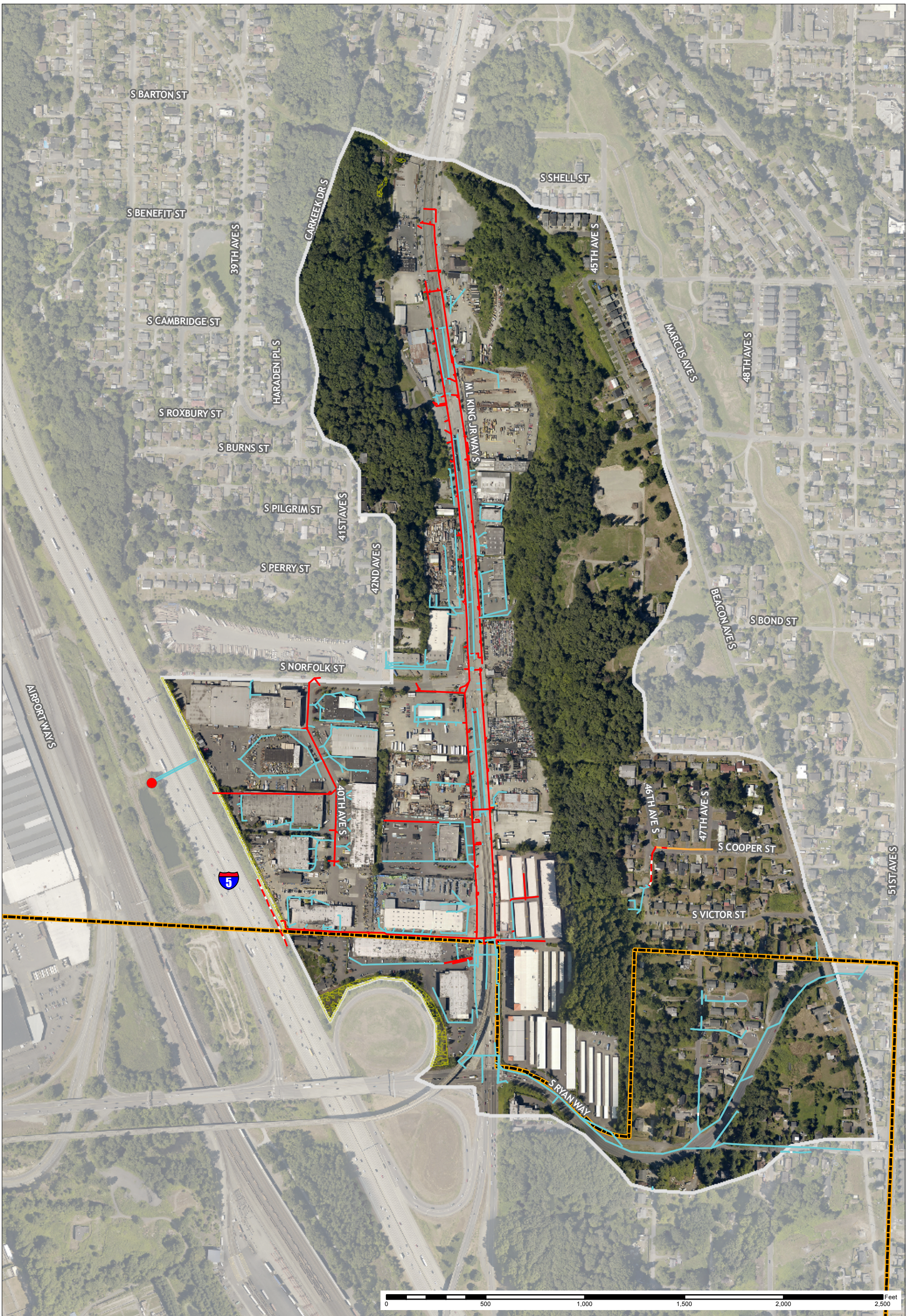


Lower Duwamish Waterway
Map No. 77 - Street Sweeping for Water Quality Routes



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- | | |
|----------------------|---|
| Combined Sewer Basin | Street Sweeping for Water Quality Routes |
| Seattle City Limits | Street Sweeping for Water Quality Routes |
| Freeway/Highway | Proposed Additional |
| Streams | |



Norfolk Wet Pond
Map No. 78 - Drainage Basin Boundary



City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Basin Boundary
- Wetland
- Seattle City Limits

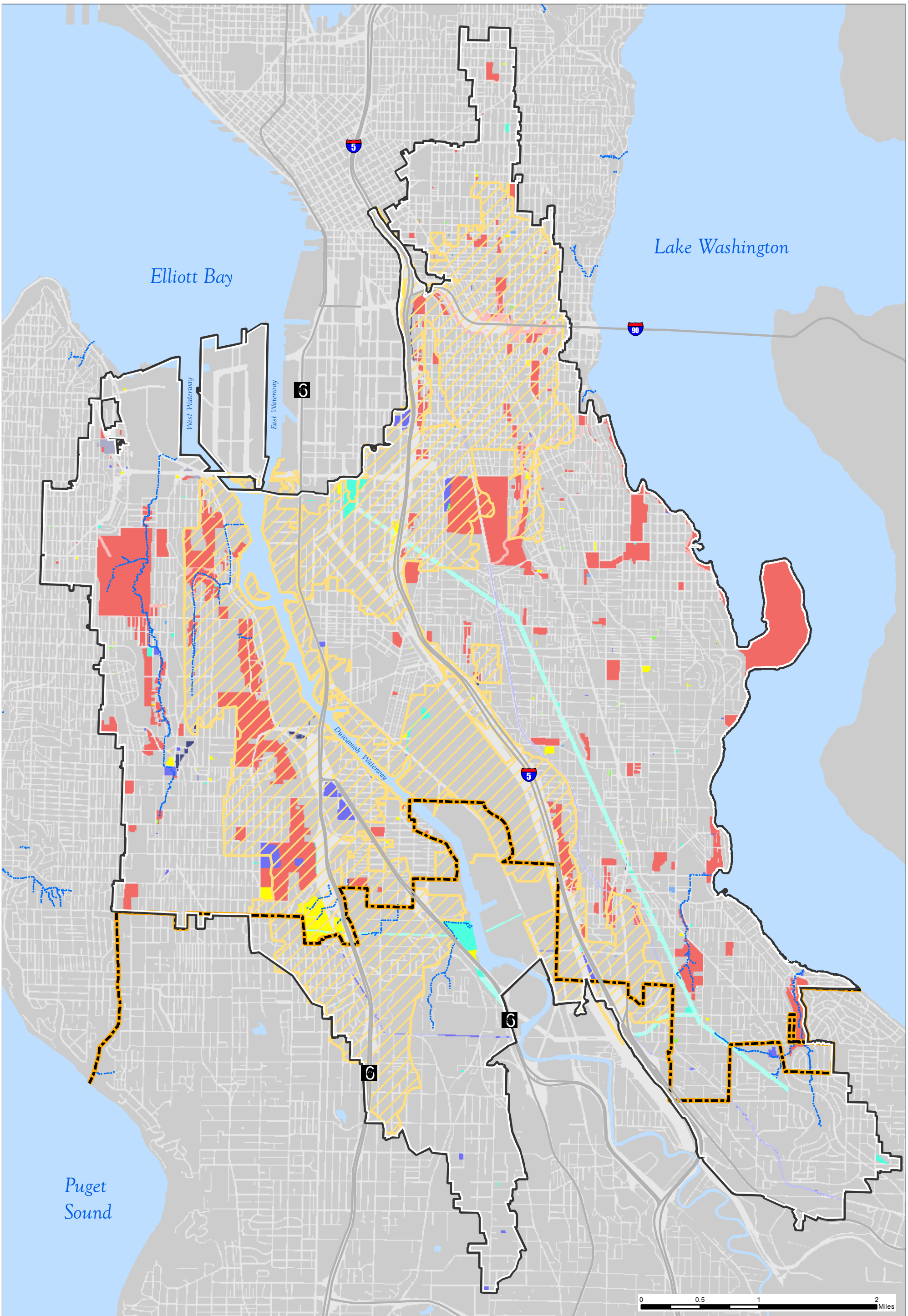
- Storm Drains**
- MS₄
 - Non-MS₄
 - Unknown

- Open Drainage**
- MS₄
 - Non-MS₄
 - Unknown
 - Stream

- Outfalls (by use/user)**
- CSO/EOF/SD-SPU/KC/Tukwila
 - Channel/Ditch
 - CSO/SD - SPU/KC
 - EOF/SD - SPU/KC
 - SD - City of Seattle

- SD - Private
- SD - King County
- SD - Port of Seattle
- SD - City of Tukwila
- SD - WSDOT/SPU

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_orthos.mxd



Lower Duwamish Waterway
Map No. 79 - City-Owned Properties



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

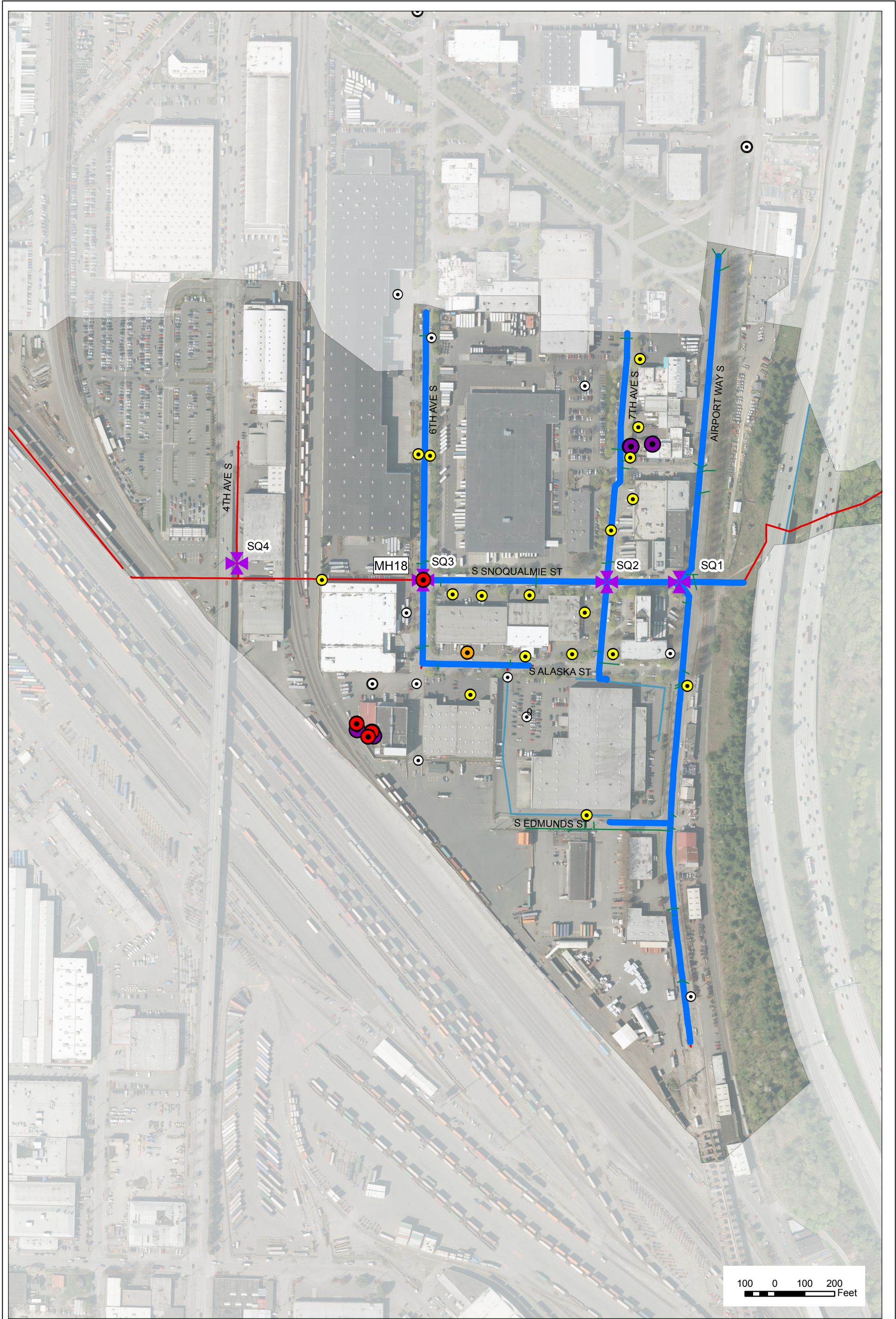
- Storm Drain Basins
- Combined Sewer Basin
- Seattle City Limits
- Freeway/Highway

City Owned Property

- Seattle Center
- Seattle City Light
- Seattle Dept. of Neighborhoods
- Seattle Dept. of Transportation
- Seattle Finance and Administrative Services

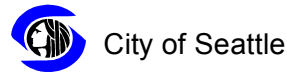
- Seattle Human Services Dept.
- Seattle Office of Arts and Cultural Affairs
- Seattle Office of Housing
- Seattle Public Library
- Seattle Public Utilities
- Seattle Parks and Recreation

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_76_CityOwned.mxd



Lower Duwamish Waterway

Map No.80- Source tracing in
Diagonal-S Snoqualmie St
sub-basin.



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Legend

PCBs (ug/kg)

⊙ <130

● 130 - 1,000 (SCO-CSL)

● 1,001 - 2,000

● 2,001 - 10,000

● >10,000

— Lines cleaned (2010-2011)

Storm drains

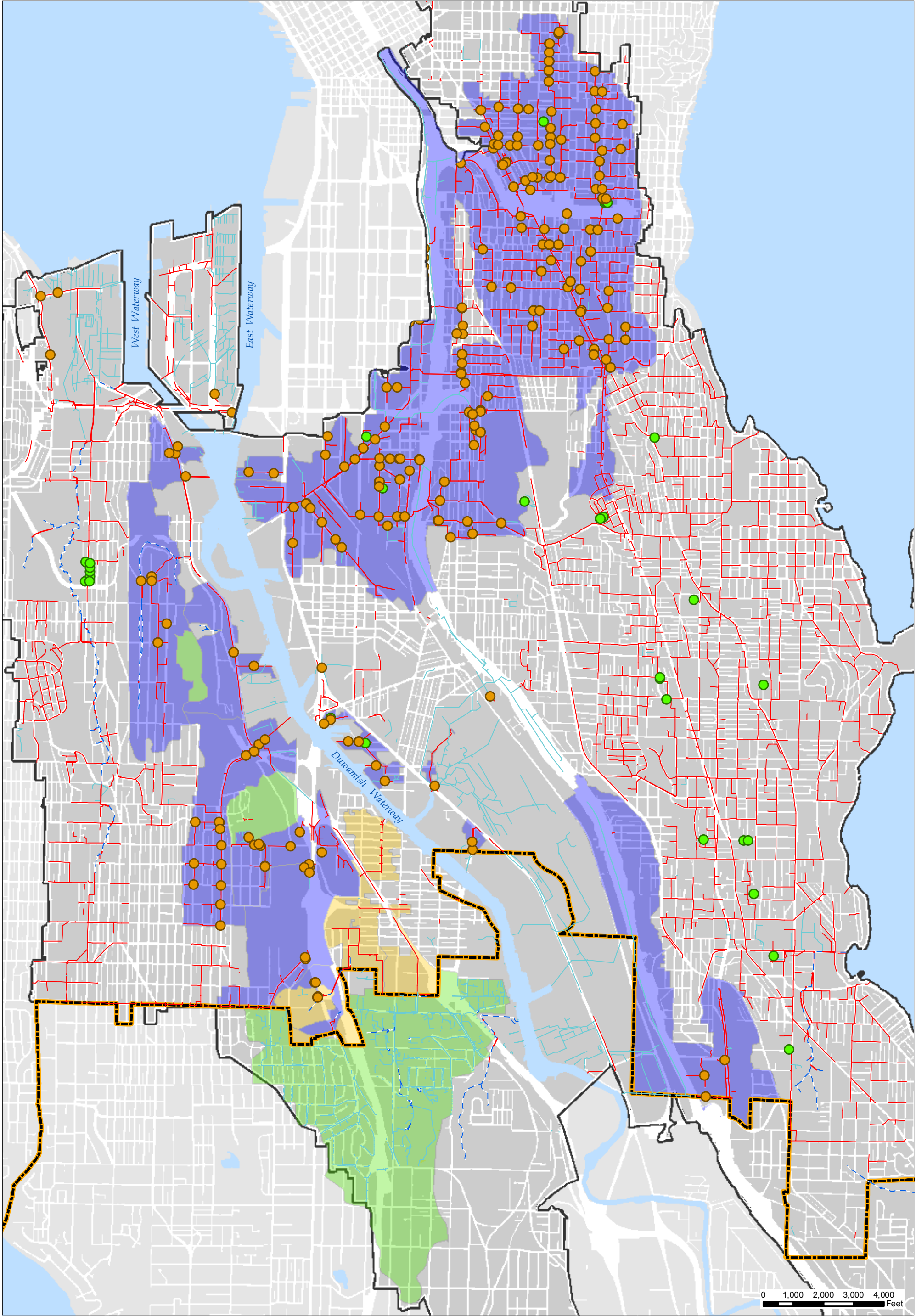
— MS4

— Non-MS4

✚ Ecology sampling stations

Samples collected in 2014

Z:\Members\Beth Schroyer\arcmap\proposed plan\diag-snoq_source\tracing.mxd



Lower Duwamish Waterway
Map No. 81 - Illicit Discharge Detection
and Elimination (IDDE) Areas



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

- Combined Sewer Basin

Seattle City Limits

Storm Drains

MS4

Non-MS4

Unknown

Stream

IDDE Storm Basins Screened by Year

2009

2010

2011

2012

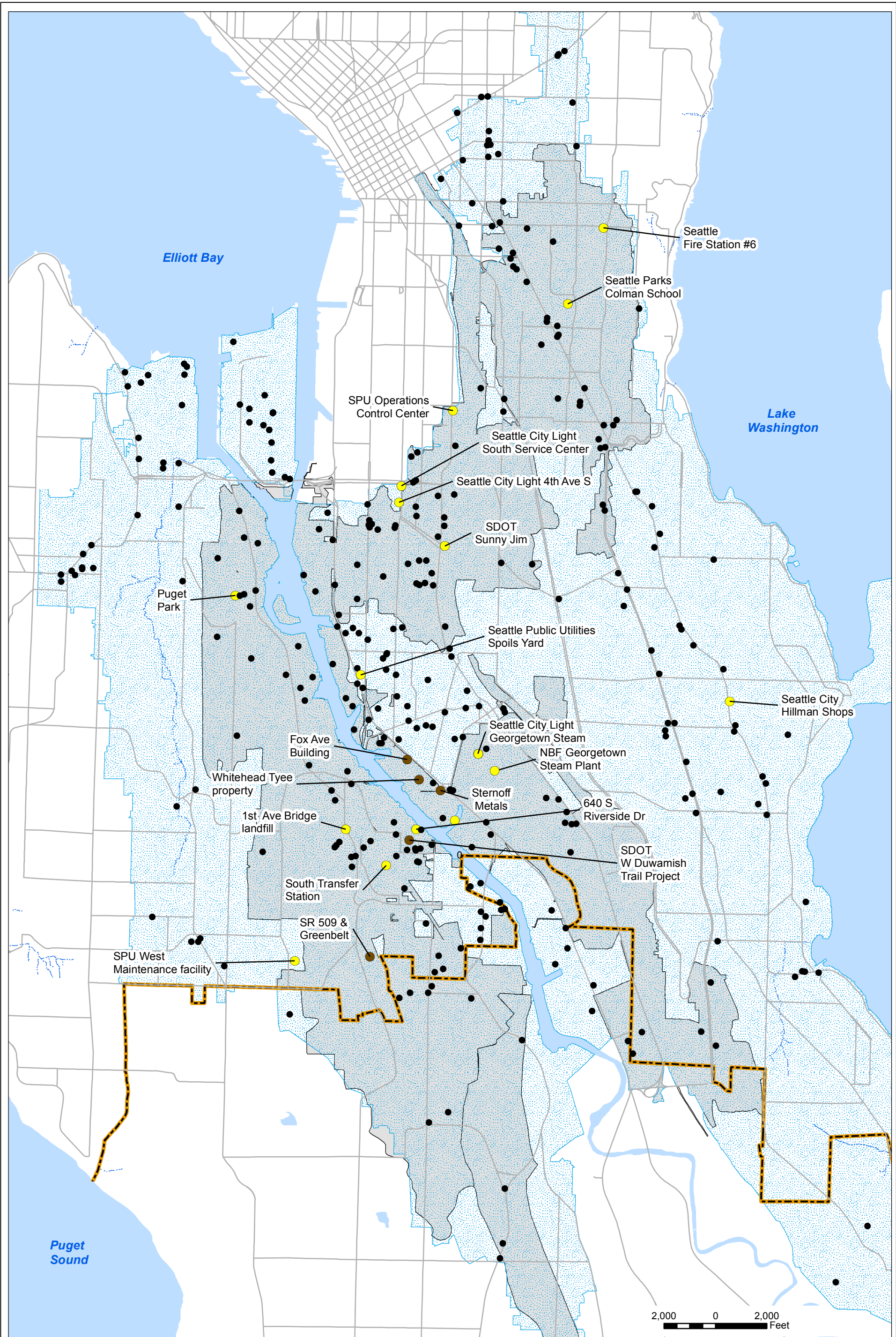
2013

2014

No screening

Illicit Connections

2014 IDDE Duwamish Sampling Points
- X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_78_IDDE.mxd



Lower Duwamish Waterway
Map No. 82 - City-Owned Properties and
Right-of-Way on Ecology Contaminated
Site List



City of Seattle

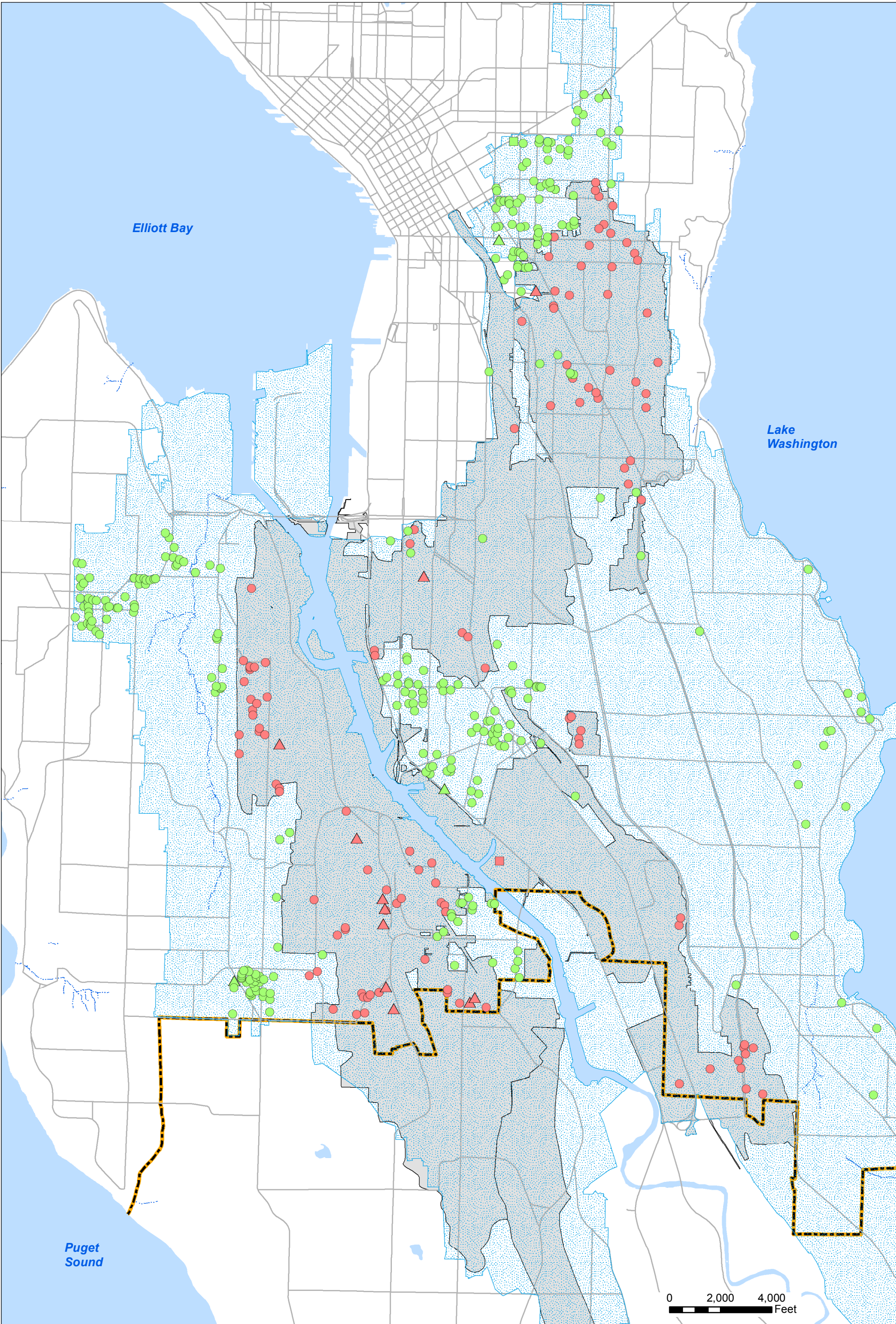
Produced by Seattle Public Utilities. No guarantee of any sort implied, including
accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Ecology contaminated site list

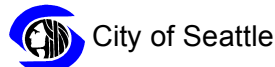
- Private property;
- Right-of-way
- City-owned property

Seattle City Limits

- LDW combined sewer basin
- LDW drainage basin
- Streams



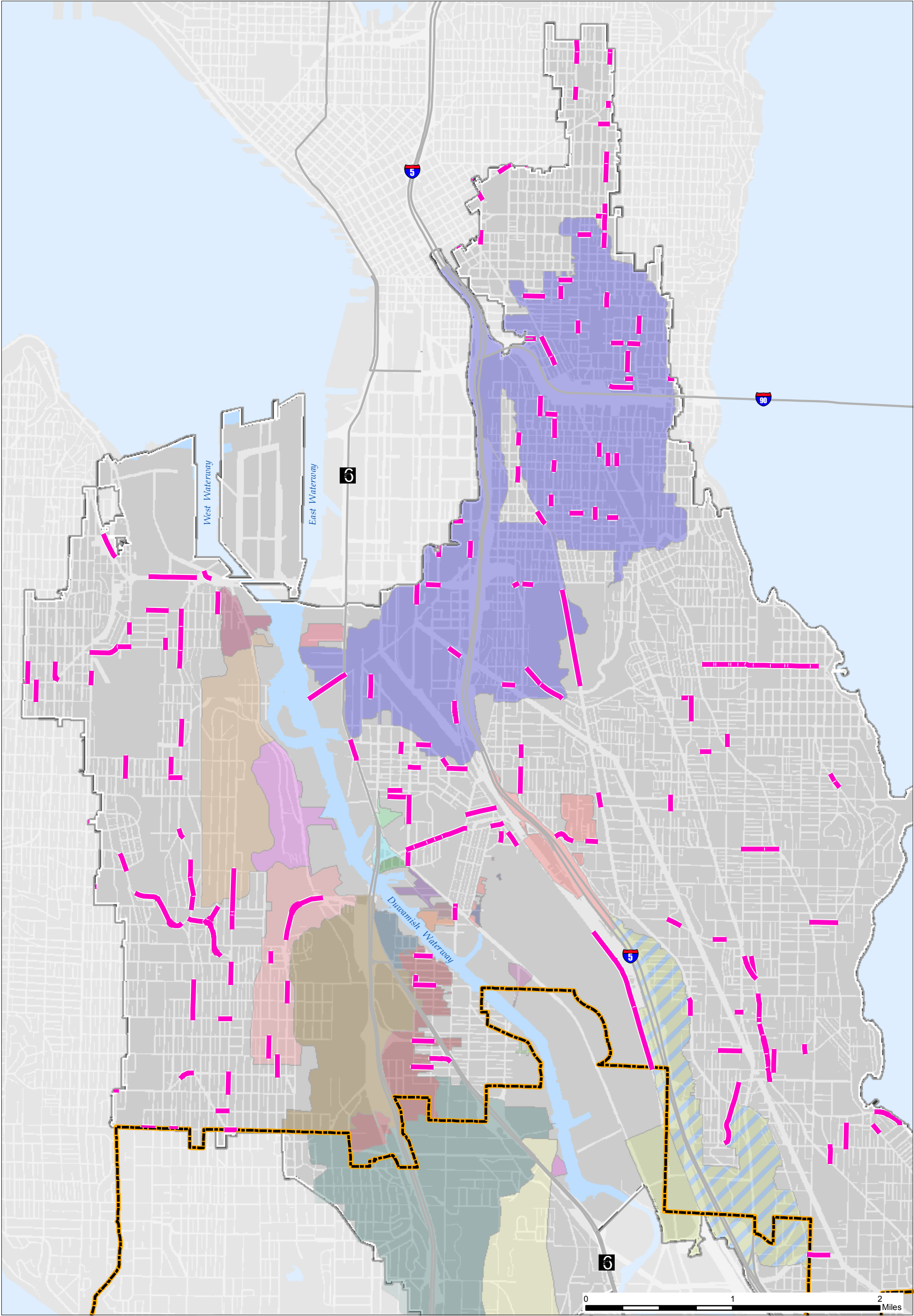
Lower Duwamish Waterway
Map No. 83 - Private drainage facilities



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Legend

- | | | |
|---|--|-----------------------------|
| Treatment only facilities in combined | Treatment only facilities in LDW drainage basin | Combined sewer service area |
| Flow control only facilities in combined | FC/Treatment facilities in LDW drainage basin | Seattle City Limits |
| Flow Control/Treatment facilities in combined | Flow Control only facilities in LDW drainage basin | LDW storm drain basin |
| | | Streams |



Lower Duwamish Waterway

Map No. 84 - SDOT Paving (2008-2014)



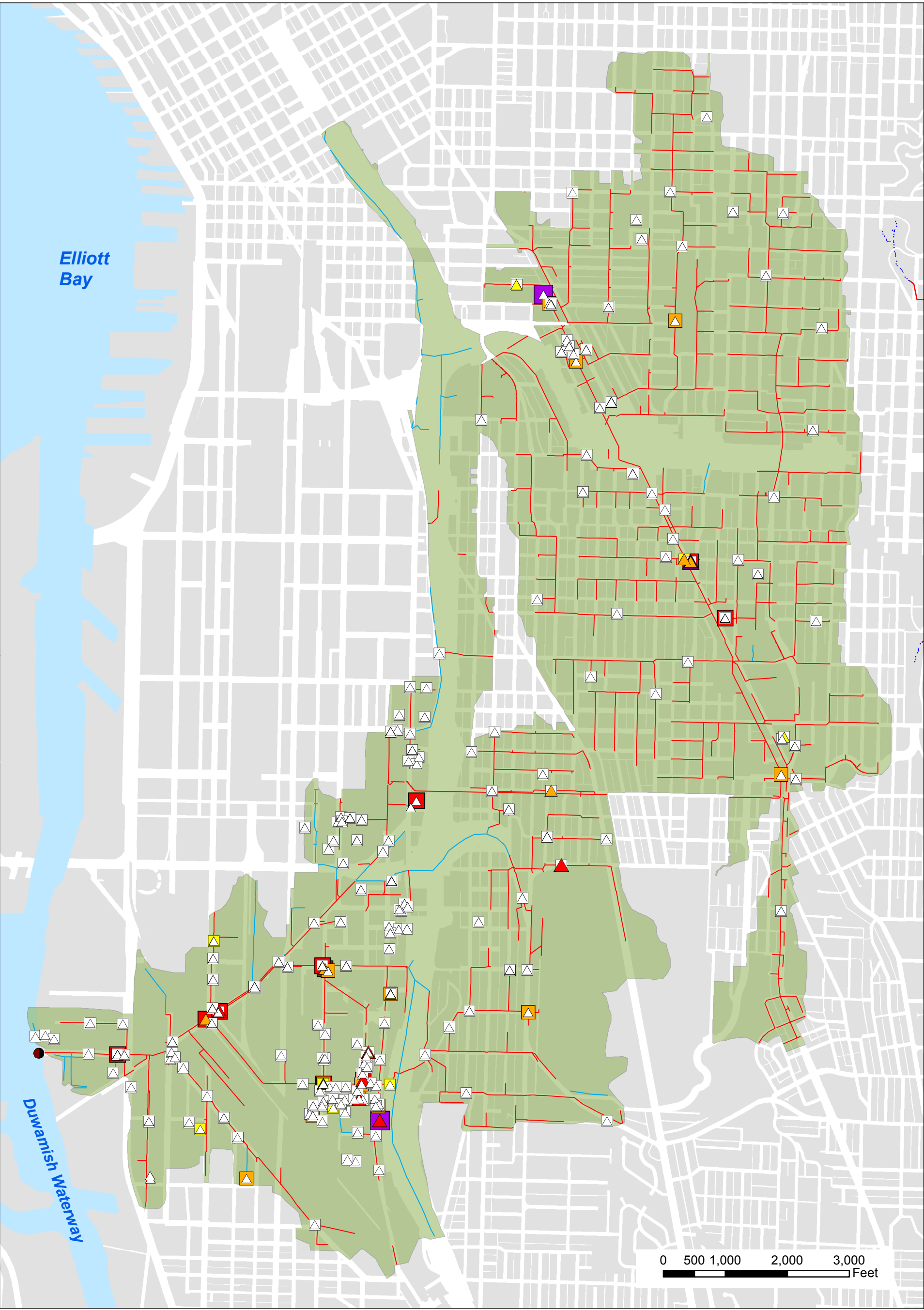
City of Seattle



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

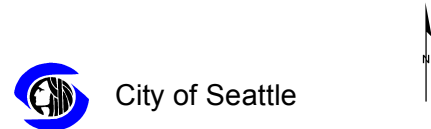
- | | | | |
|---|-------------------------|------------------------|------------------------------|
| SDOT Paving (2008-2014) | 1st Ave S SD (west) | Head of Slip 2 SD | S Myrtle St SD |
| Seattle City Limits | 2nd Ave S SD | Highland Park Wy SW SD | S Nevada St SD |
| Freeway/Highway | 7th Ave S SD | I-5 SD at S Ryan St | S Norfolk St CSO/PS17 EOF/SD |
| City of Seattle Storm Drain Basins | Diagonal Ave S CSO/SD | I-5 SD at Slip 4 | S River St SD |
| 16th Ave S SD (east) | Duwamish substation SDs | S 96th St SD | SW Dakota St SD |
| 17th Ave S SD | Georgetown SD | S Brighton St SD | SW Idaho St SD |
| 1st Ave S SD (east) | Hamm Creek | S Garden St SD | SW Kenny St SD/T115 CSO |

X:\SourceControl\MS4\Duwamish\SourceControlPlan\DuwamishSC_81_SDOTPaving.mxd



Lower Duwamish Waterway

Map No. 85 - Lead and mercury results in the Diagonal Ave S CSO/SD drainage basin.



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Lead

- △ < 450
- △ 450 - 530 (SCO-CSL)
- △ 531 - 1,060
- △ 1,061 - 5,000
- △ > 5,000

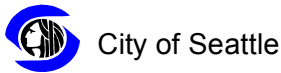
Mercury

- <0.41
- 0.41 - 0.59 (SCO-CSL)
- 0.60 - 1.18
- 1.19 - 10
- >10

- SPU Drainage Main
- Private Drainage Main



Lower Duwamish Waterway
Map No.86- Source tracing in
Diagonal-S Dakota St
sub-basin.



Produced by Seattle Public Utilities. No guarantee of any sort implied, including accuracy, completeness, or fitness for use. City of Seattle, 2016. All rights reserved.

Legend

Mercury (mg/kg)

- <0.41
- 0.41- 0.59
- 0.59 - 1.18

- 1.18 - 10
- >10

Storm Drains

- MS4
- Non-MS4

Ecology monitoring stations