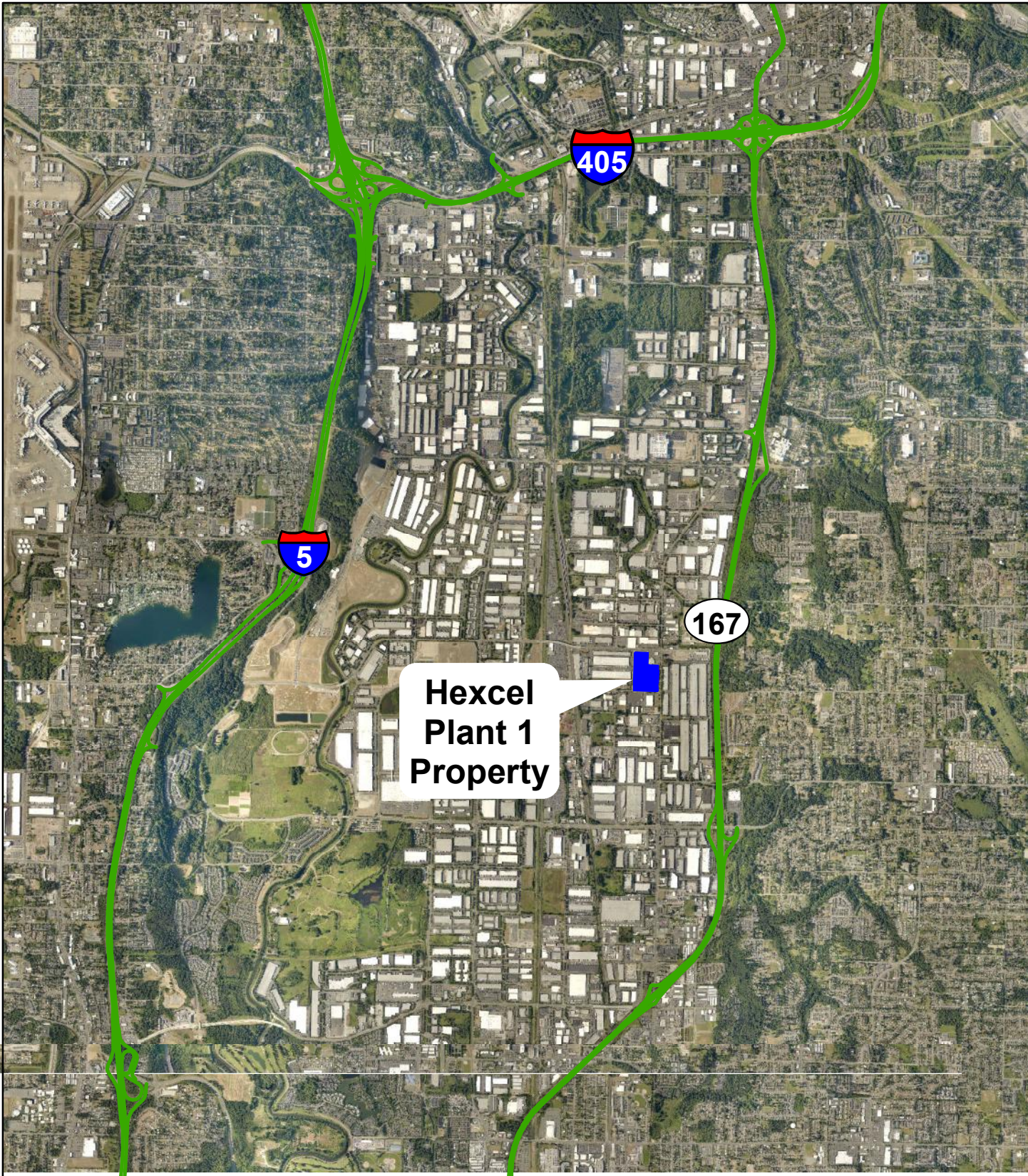
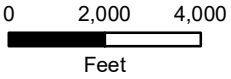


FIGURES



**Hexcel
Plant 1
Property**

Pictometry, King County



**CLEAR
CREEK
ASSOCIATES**

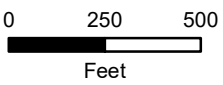
File ID	273-007
Date	6/18/18

FIGURE 1
General Location Map

Projection: NAD 1983 State Plane Washington North FIPS 4601 Feet



Pictometry, King County



CLEAR CREEK ASSOCIATES

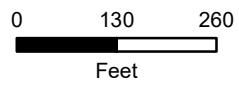
File ID 273-008
Date 6/18/18

FIGURE 2
Site Map



Pictometry, King County

DRAFT



CLEAR CREEK ASSOCIATES

File ID	273-015
Date	6/18/18

Projection: NAD 1983 State Plane Washington North FIPS 4601 Feet
 Parcel data provided by permission of King County Source: King County GIS Data Portal
 (<https://www5.kingcounty.gov/gisdataportal/>)

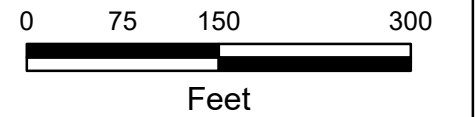
FIGURE 3
Parcel Location Map



Drainage Ditch Tributary to Springbrook Creek

Legend

- () Remedial Pumping Well in Shallow Aquifer
- () Shallow Aquifer Monitoring Well
- () Intermediate Aquifer Monitoring Well
- () Deep Aquifer Monitoring Well



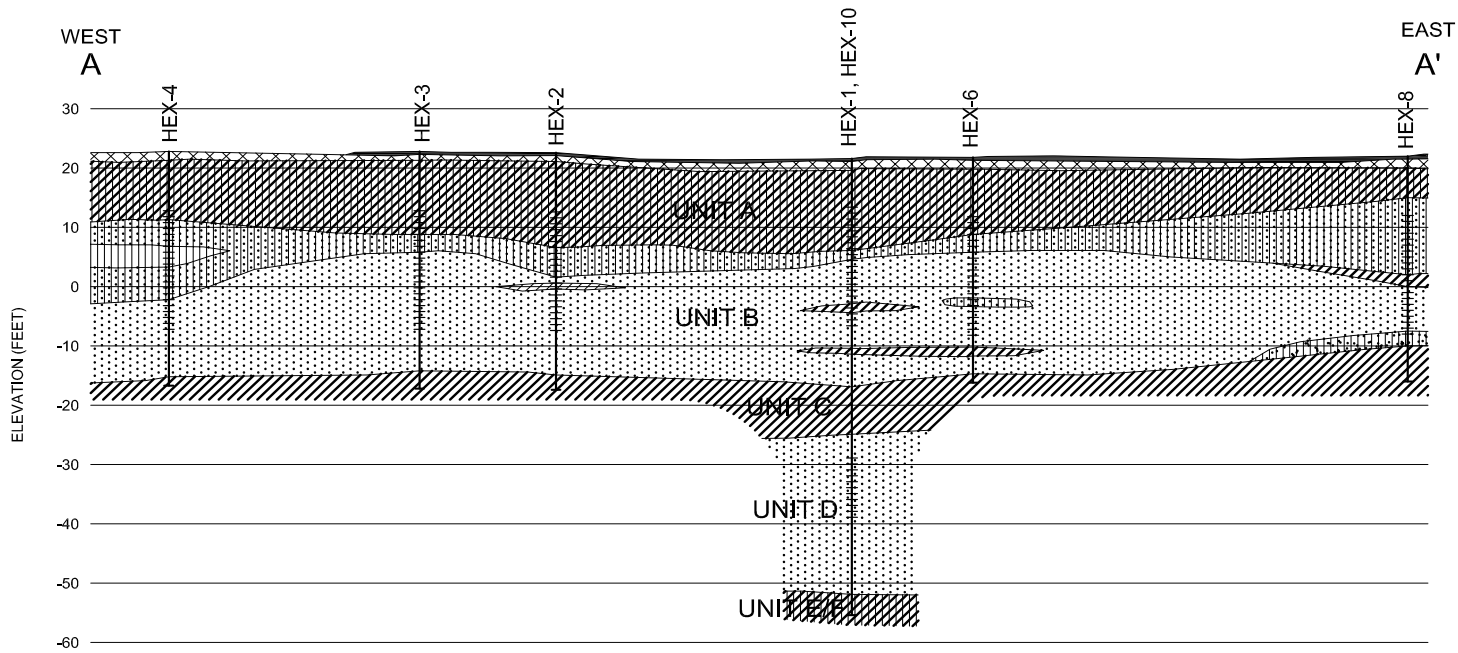
Projection: NAD 1983 State Plane
Washington North FIPS 4601 Feet

Date 8/13/18 (revised 1/3/2022)	File ID 273-010
------------------------------------	-----------------



FIGURE 4
Groundwater Monitoring Well Locations

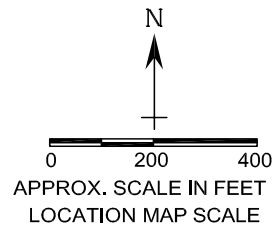
Pictometry, King County



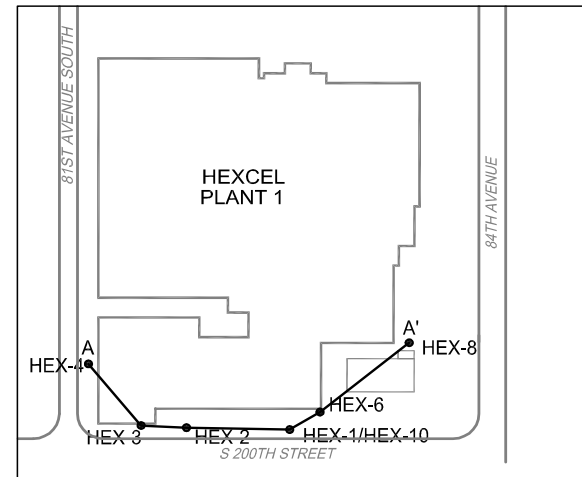
0 60 120 180
 HORIZONTAL SCALE IN FEET
 VERTICAL EXAGGERATION: 4X

EXPLANATION

	ASPHALT		SILT		SILTY SAND
	FILL		SILTY CLAY		WELL LOCATION
	CLAY		SAND		SCREENED INTERVAL



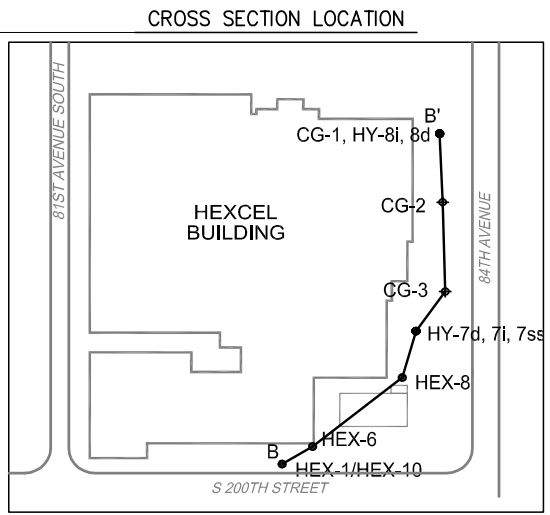
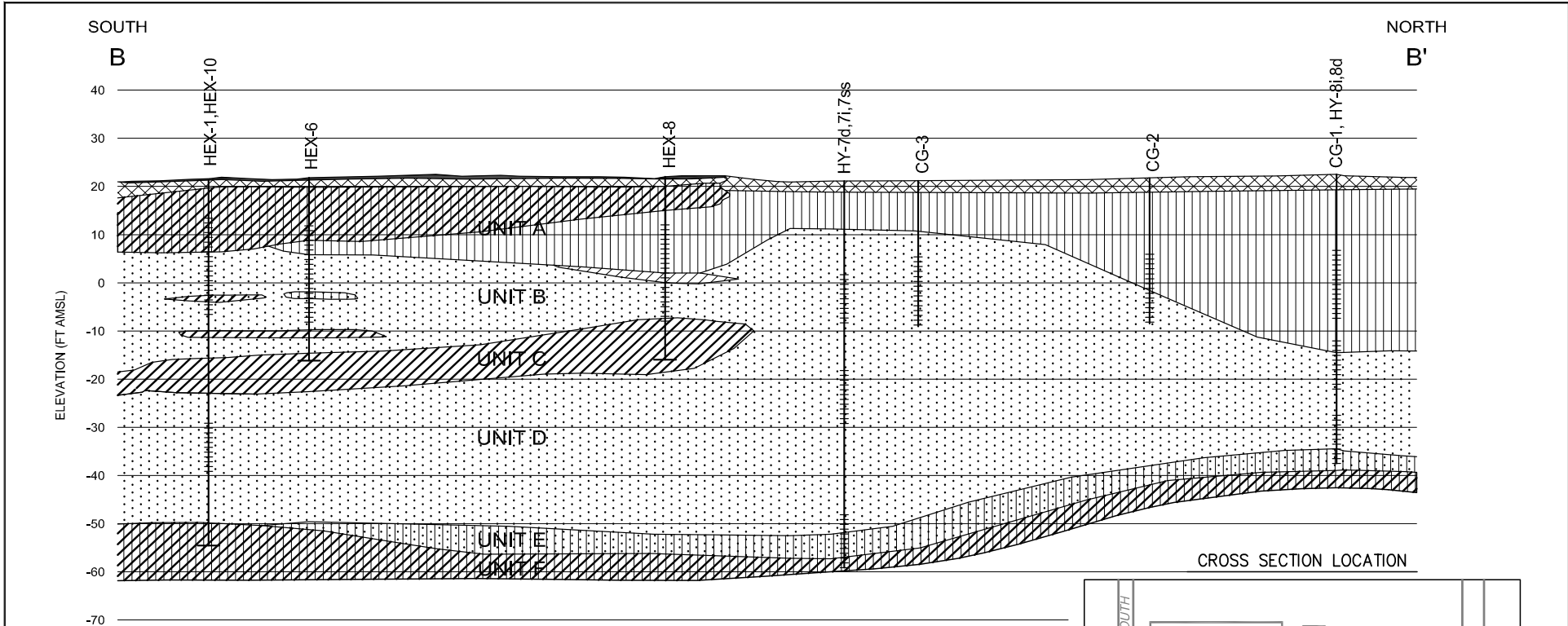
CROSS SECTION LOCATION



File: A273-002
 Date: 6/20/18

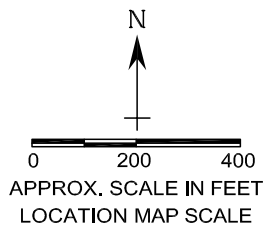
FIGURE 5
 East-West Cross Section

Figure after HGC (2010b)



EXPLANATION

	ASPHALT		SILT		SILTY SAND
	FILL		SILTY CLAY		WELL LOCATION
	CLAY		SAND		SCREENED INTERVAL



CLEAR CREEK ASSOCIATES File: A273-001
Date: 6/20/18

FIGURE 6
North-South Cross Section

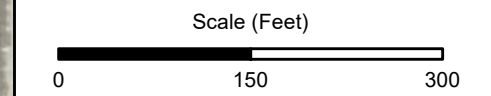
NOTE: CROSS SECTION BASED ON FIGURE 7.1-1 FROM SWEET-EDWARDS/EMCON (1988), FIGURE 13 FROM IT CORPORATION (2001), AND HEX WELLS



Legend

- Shallow Aquifer Monitoring Well
- Intermediate Aquifer Monitoring Well
- Former Remedial Pumping well
- Groundwater Elevation Contour
Based on Shallow Aquifer Data Only
- Groundwater Depression

Contours are dashed where inferred based on prior measurements

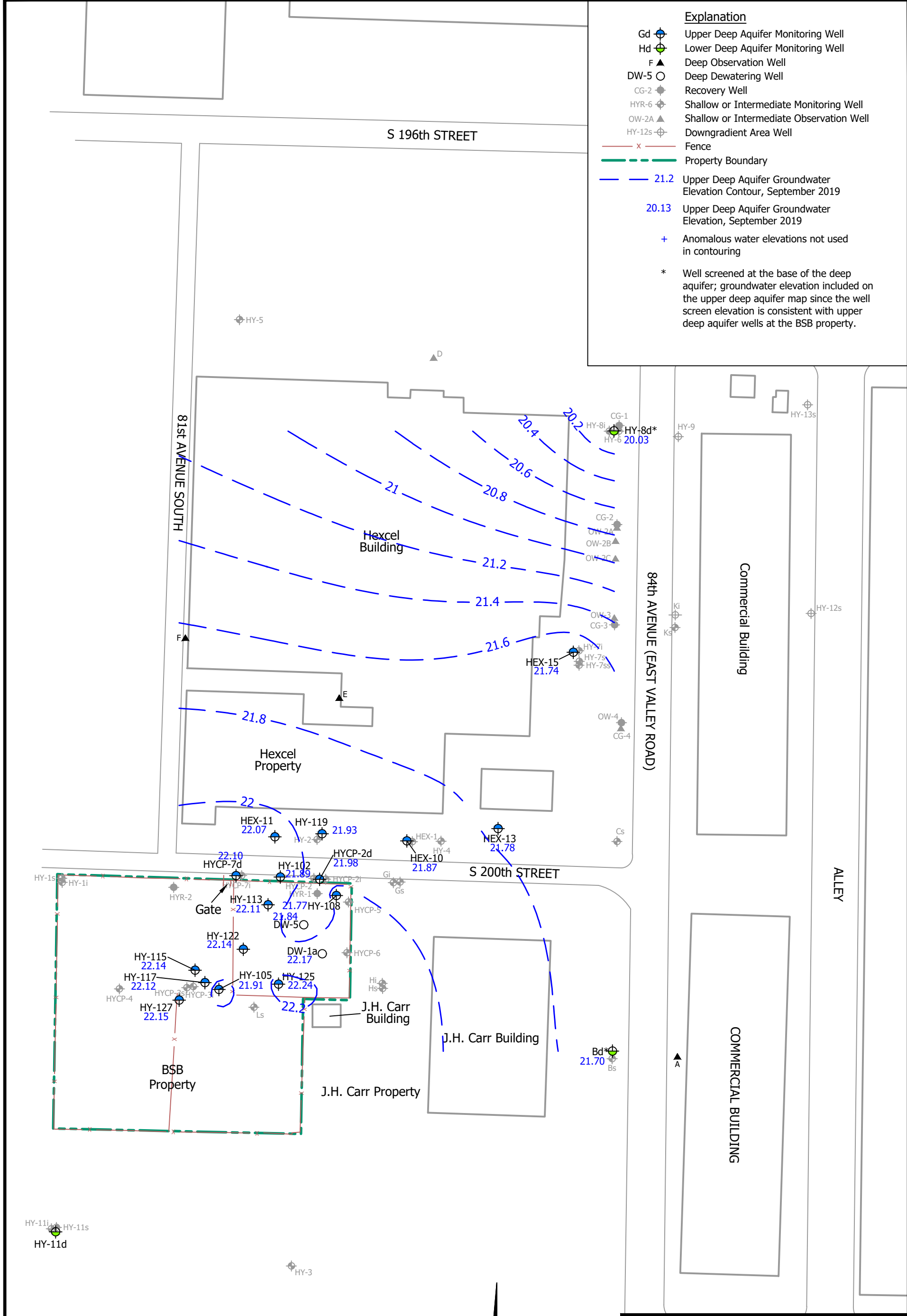



Notes:
 Projection: NAD1983 HARN State Plane
 Washington North FIPS 4601 FEET
 Water elevations at HY-12S, HY-13S, HY-16S,
 and HY-17S not measured due to lack of an
 access agreement with property owners.
 Water elevations at HY-14S and HY-15S not
 measured due to landscaping activities by the
 City of Kent. Water elevations at HY-7i and Ks
 not used for contouring.

Date	11/1/2021	File ID	273-105

Figure 7
 Contour Map of Shallow Groundwater
 Elevations (September 13-16, 2021)
 Plant 1 and Vicinity

Explanation	
Gd	Upper Deep Aquifer Monitoring Well
Hd	Lower Deep Aquifer Monitoring Well
F	Deep Observation Well
DW-5	Deep Dewatering Well
CG-2	Recovery Well
HYR-6	Shallow or Intermediate Monitoring Well
OW-2A	Shallow or Intermediate Observation Well
HY-12s	Downgradient Area Well
— x —	Fence
— — —	Property Boundary
— 21.2 —	Upper Deep Aquifer Groundwater Elevation Contour, September 2019
— 20.13 —	Upper Deep Aquifer Groundwater Elevation, September 2019
+	Anomalous water elevations not used in contouring
*	Well screened at the base of the deep aquifer; groundwater elevation included on the upper deep aquifer map since the well screen elevation is consistent with upper deep aquifer wells at the BSB property.

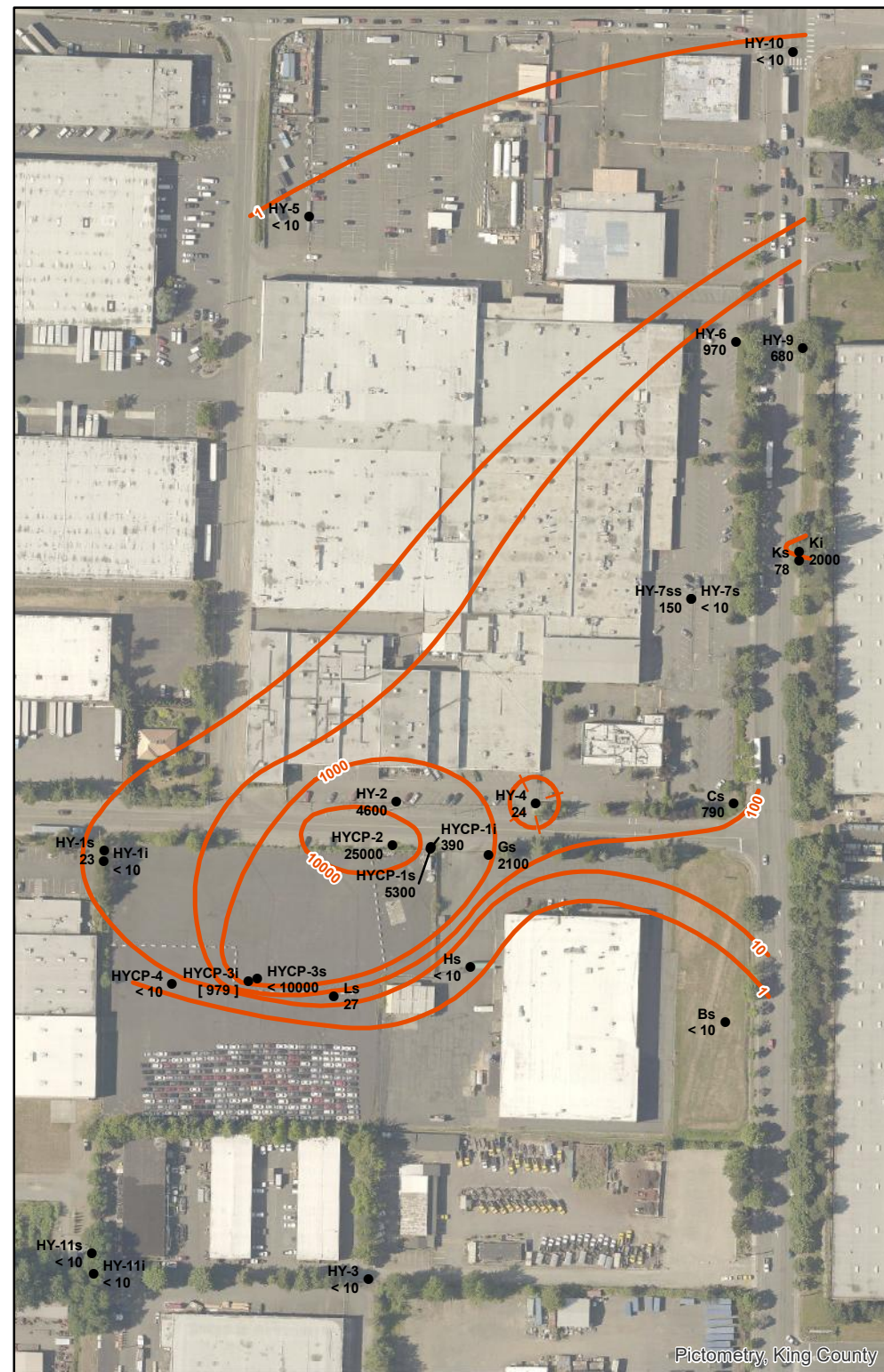



PES Environmental, Inc.
 Engineering & Environmental Services

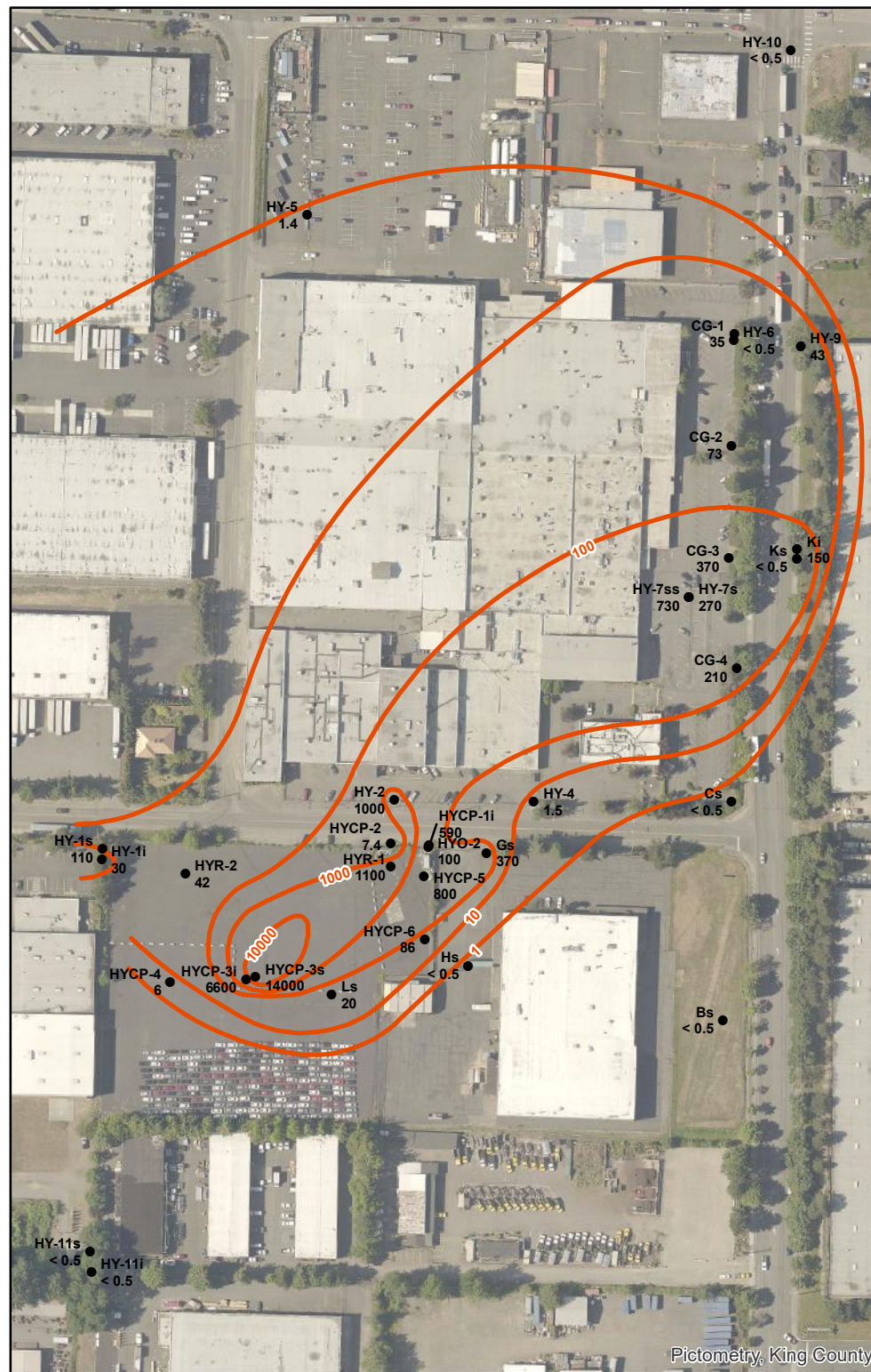
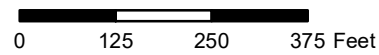
Potentiometric Surface, Upper Layer D
September 2019
BSB Deep Aquifer
 Kent, Washington

FIGURE **8**

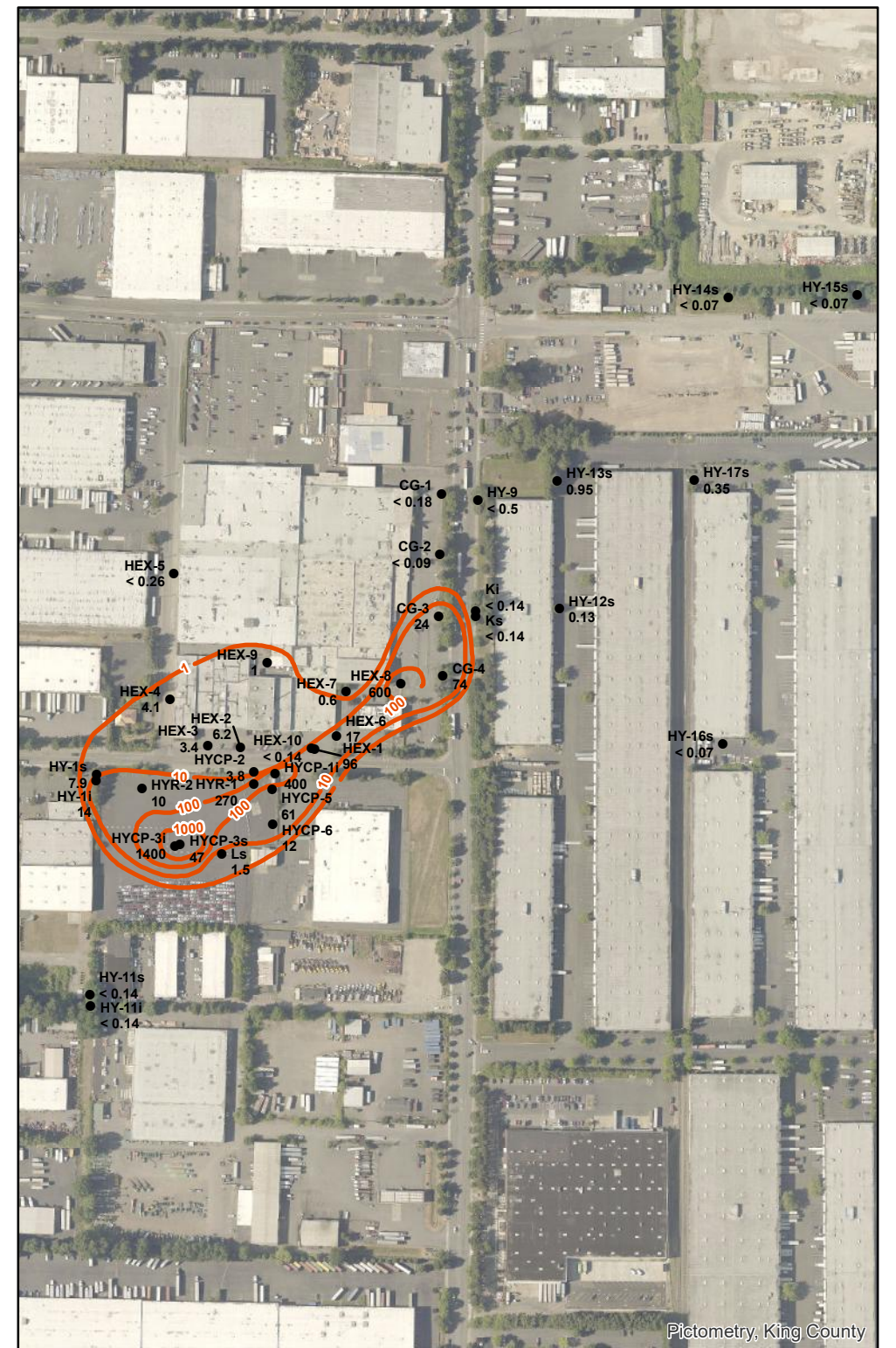
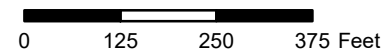
827.001.46.003	82700146003_1	WRH	1/20
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



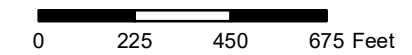
1988



1998



2008



Legend

- VC Concentration (µg/L)
- VC Concentration Contour (µg/L)

Concentration data and contours from HGC (2010b)
 1988, 1998 and 2008 contours based on highest detected concentration in each well for that year. 2008 contours also augmented with September 2007 data.

Source: PES Environmental, Inc. Focused RI Summary/FS Report, BSB Property, Kent Washington. December 5, 2005
 PES Environmental, Inc. Downgradient Area Groundwater Investigation, Agreed Order No. DE2553, Kent Washington. January 22, 2009.

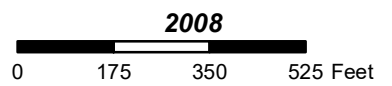
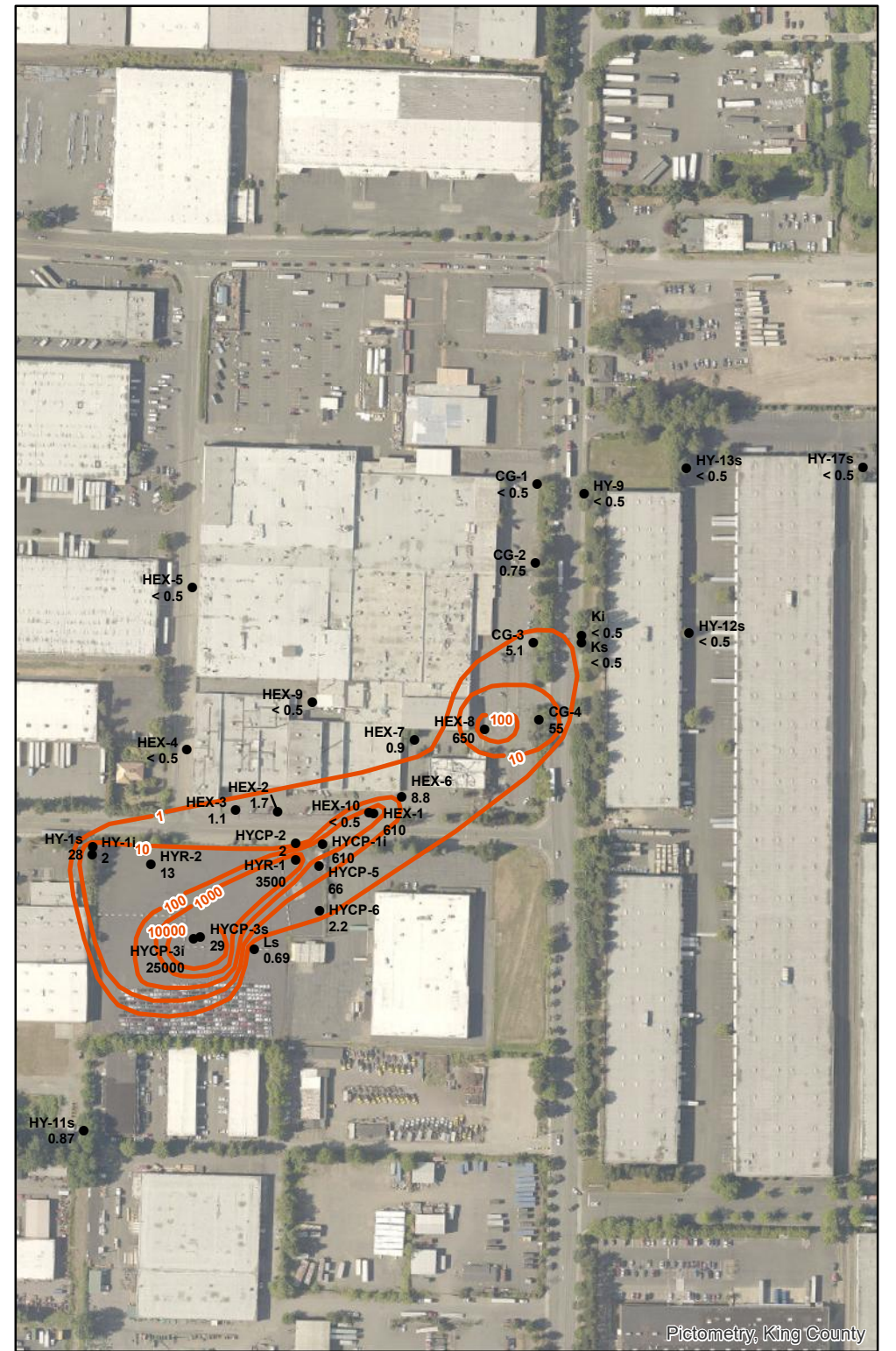
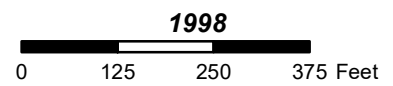
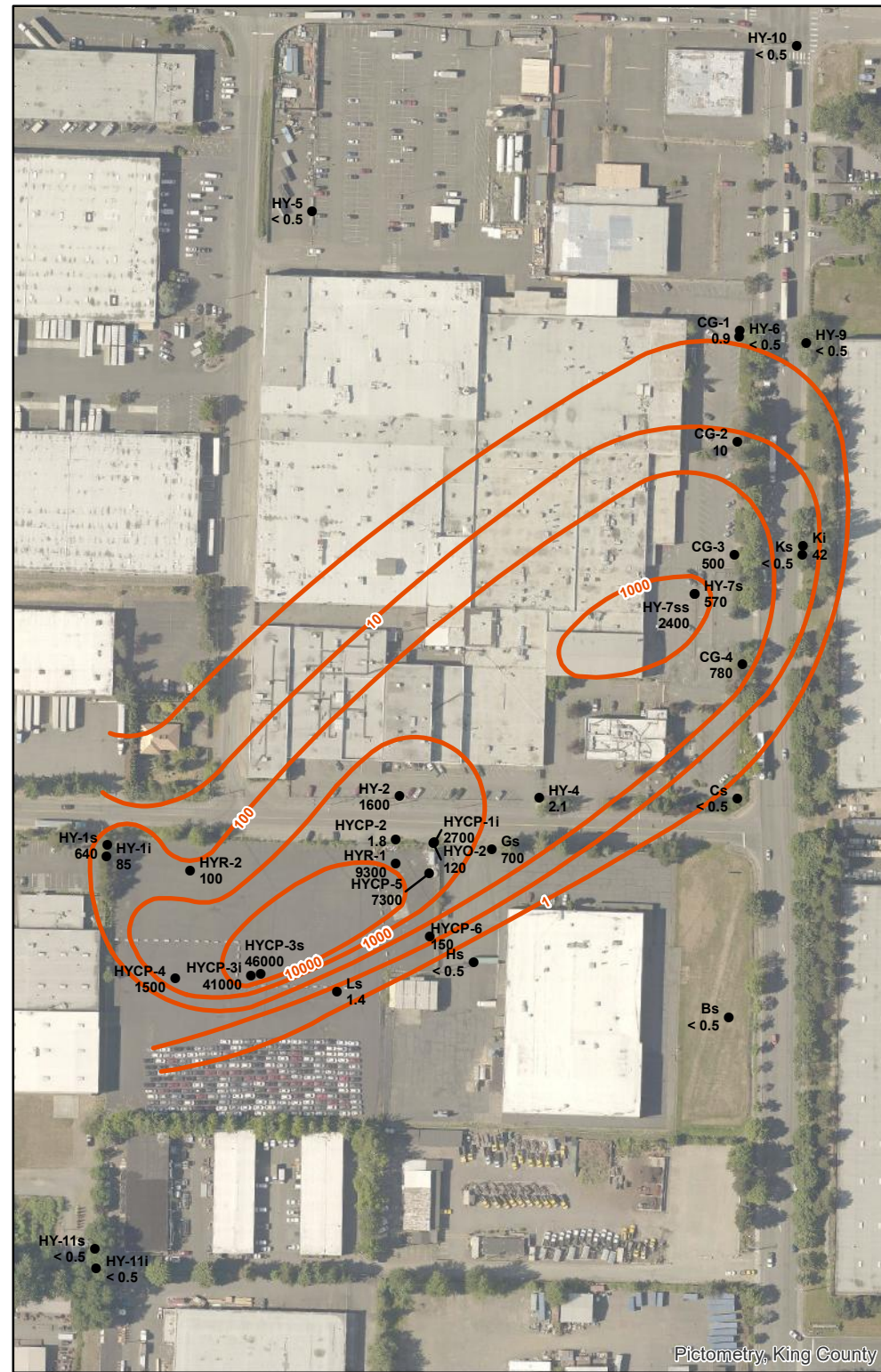
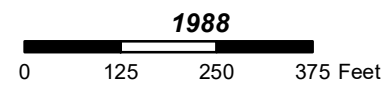
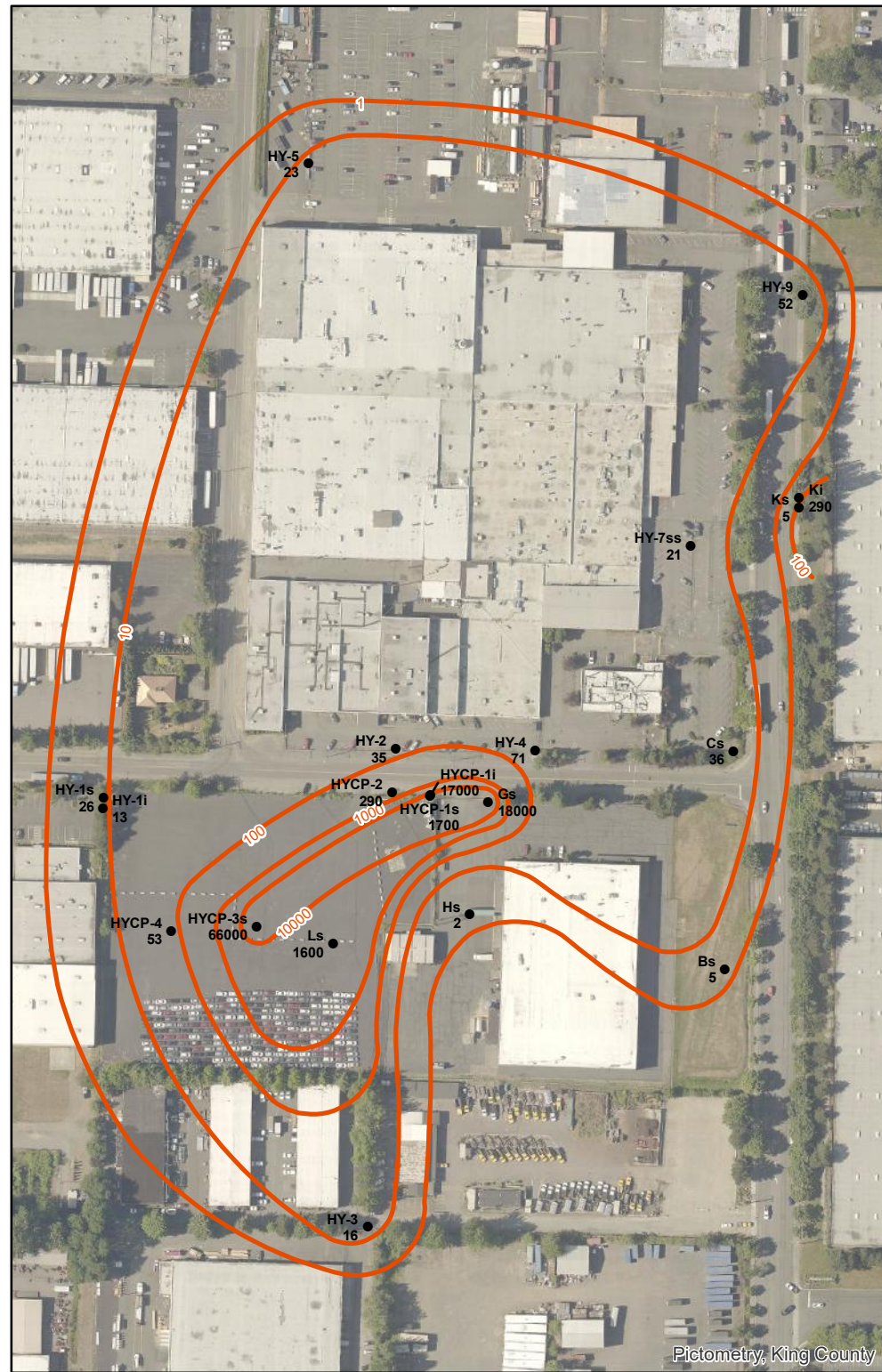
PROJECTION: State Plane WA N FIPS 4601 NAD 83



File ID 273-011

Date 8/13/18

FIGURE 10
 Historical VC Concentrations in
 Shallow Aquifer Groundwater
 1988, 1998, and 2008



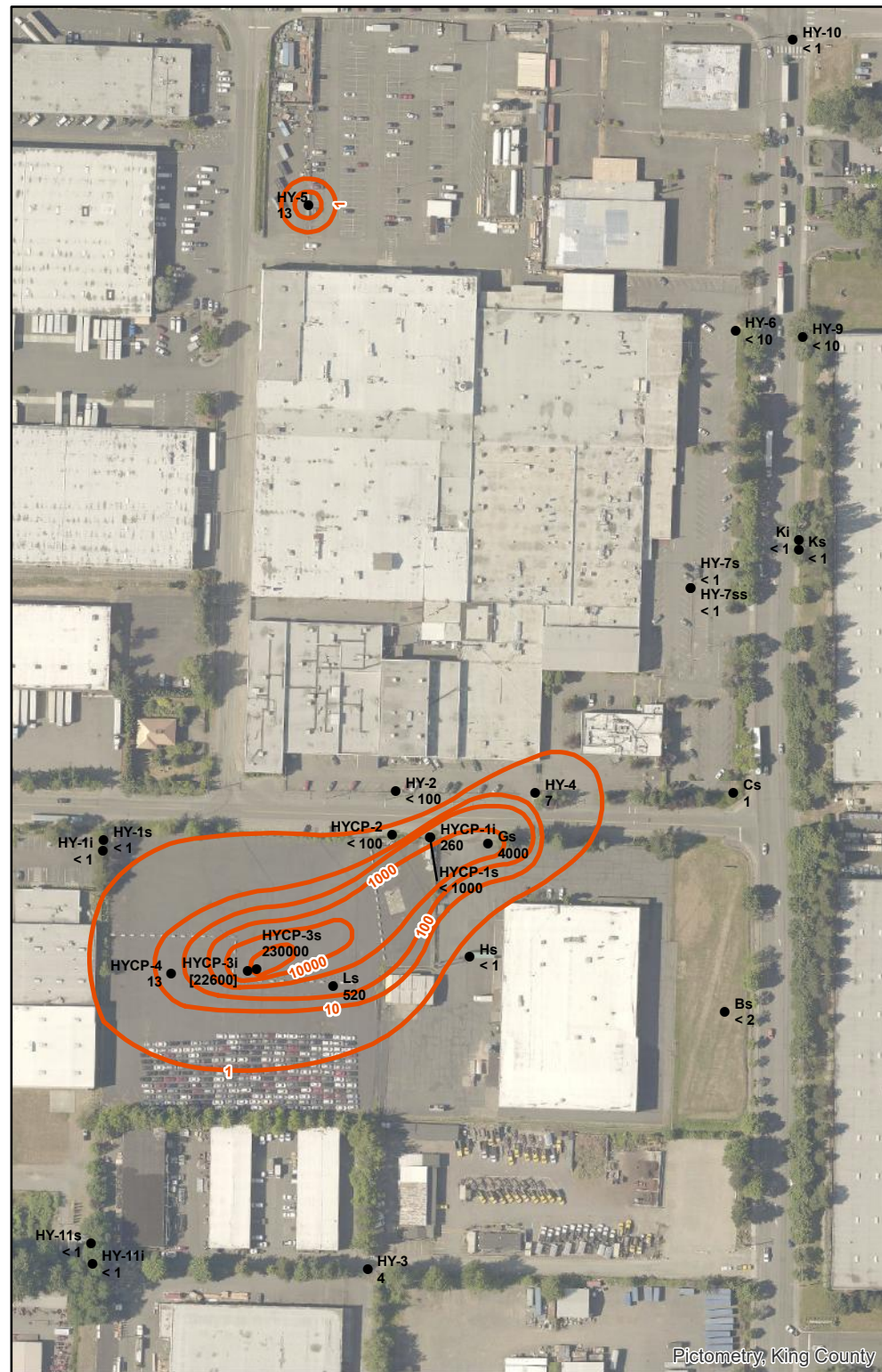
Legend

- CIS - 1, 2 Dichloroethylene Concentration (µg/L)
- CIS - 1, 2 Dichloroethylene Concentration Contour (µg/L)

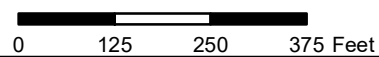
Concentration data and contours from HGC (2010b)
 1988, 1998 and 2008 contours based on highest detected concentration in each well for that year. 2008 contours also augmented with September 2007 data.
 Source: PES Environmental, Inc. Focused RI Summary/FS Report, BSB Property, Kent Washington. December 5, 2005
 PES Environmental, Inc. Downgradient Area Groundwater Investigation, Agreed Order No. DE2553, Kent Washington. January 22, 2009.

PROJECTION: State Plane WA N FIPS 4601 NAD 83

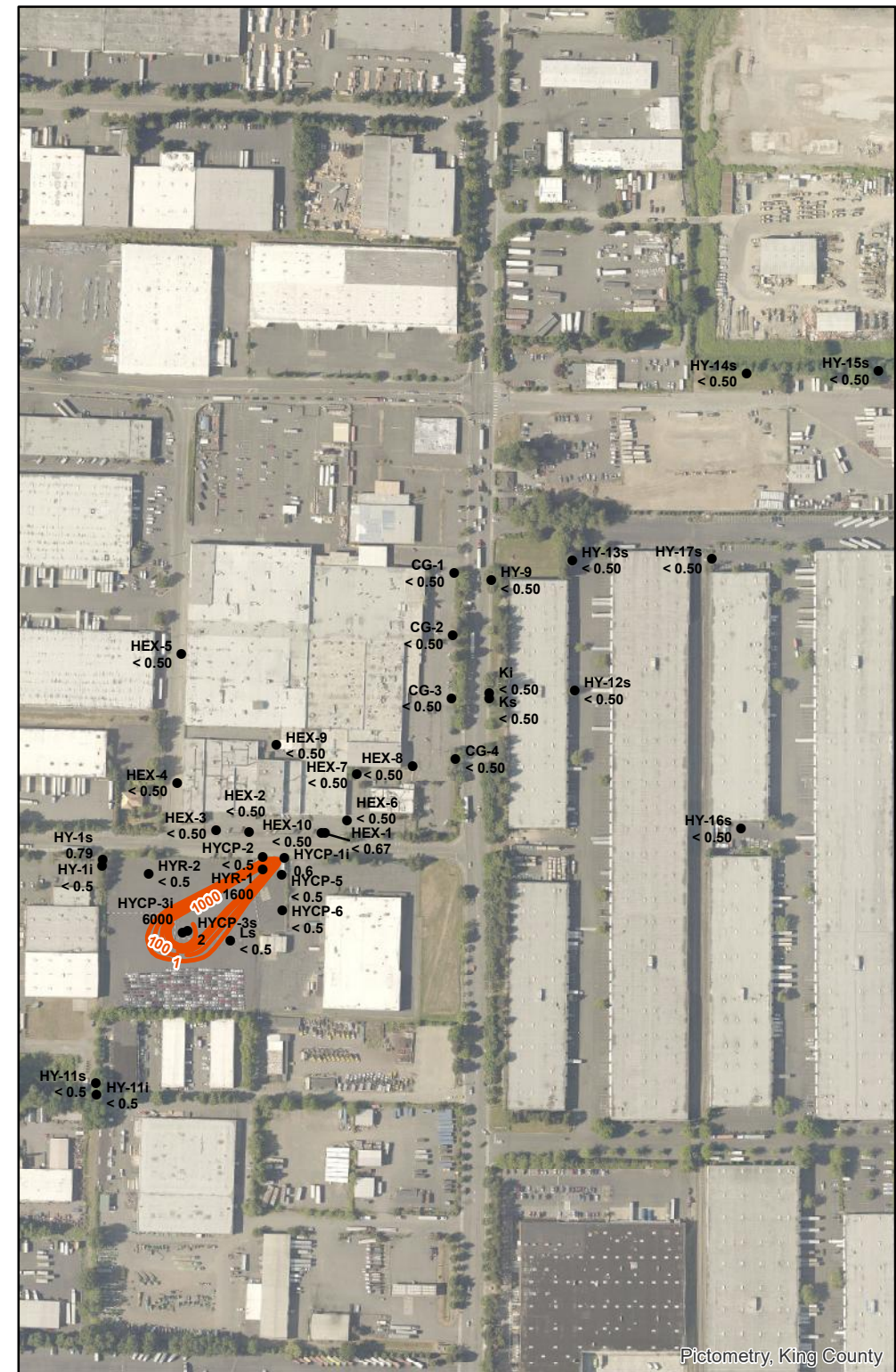
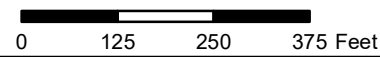
	File ID 273-012
	Date 8/13/18
FIGURE 11 Historical cDCE Concentrations in Shallow Aquifer Groundwater 1988, 1998, and 2008	



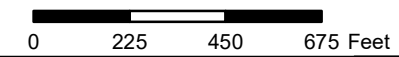
1988



1998



2008



Legend

- TCE Concentration (µg/L)
- TCE Concentration Contour (µg/L)

PROJECTION: State Plane WA N FIPS 4601 NAD 83

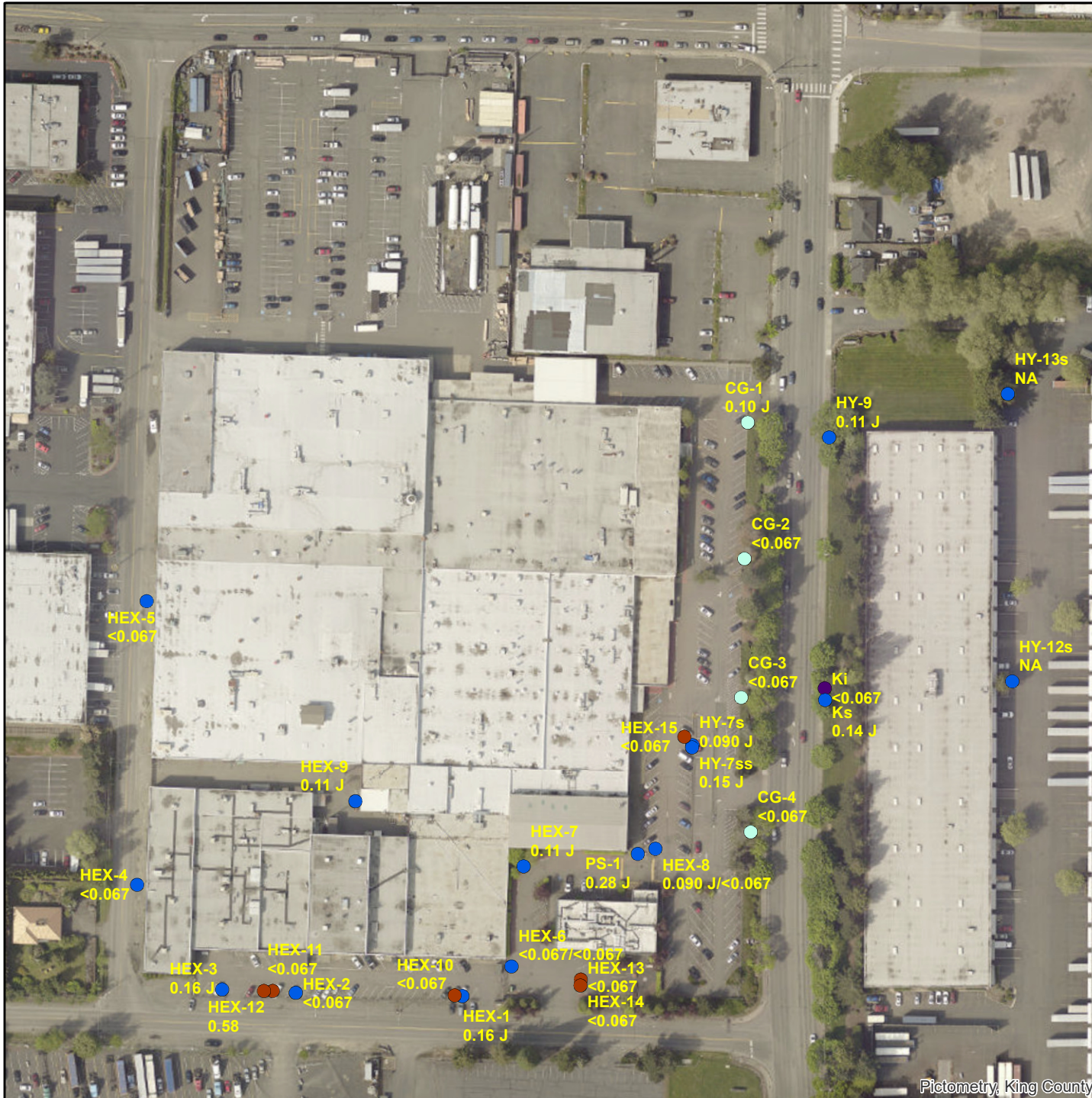
Concentration data and contours from HGC (2010b)
 1988, 1998 and 2008 contours based on highest detected concentration in each well for that year. 2008 contours also augmented with September 2007 data.
 Source: PES Environmental, Inc. Focused RI Summary/FS Report, BSB Property, Kent Washington. December 5, 2005
 PES Environmental, Inc. Downgradient Area Groundwater Investigation, Agreed Order No. DE2553, Kent Washington. January 22, 2009.



File ID 273-013

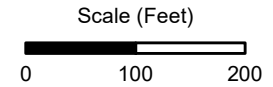
Date 8/13/18

FIGURE 12
 Historical TCE Concentrations
 in Shallow Aquifer Groundwater
 1988, 1998, and 2008



Legend

- Former Remedial Pumping Well
 - Monitoring Well in Shallow Aquifer
 - Monitoring Well in Intermediate Aquifer
 - Monitoring Well in Deep Aquifer
- Example
● CG-1 Well Name
 0.10 J cis-1,2-Dichloroethene Concentration
 (Duplicate results separated by "/")

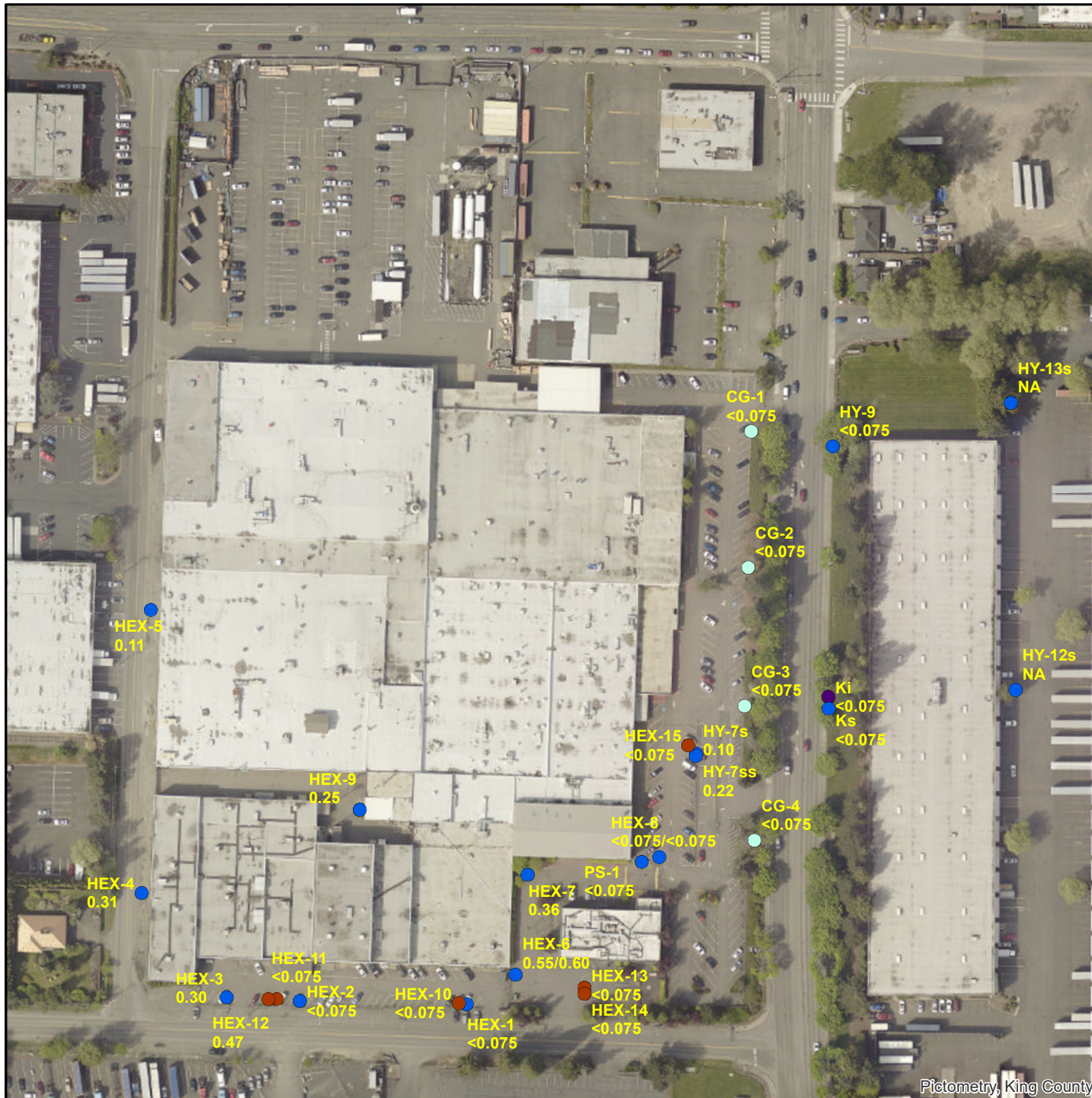


Notes:

Projection: STATE PLANE
 WA NORTH FIPS 4601 FEET
 NA = Not Accessible; samples not collected due to lack of access agreement
 µg/L = micrograms per Liter
 "J" indicates an estimated value between the Minimum Detection Limit and the Minimum Reporting Limit.

Date	11/1/2021	File ID	273-106

Figure 13
 CIS-1,2-DICHLOROETHENE (µg/L)
 IN GROUNDWATER
 SEPTEMBER 2021



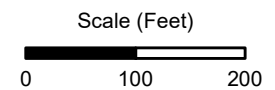
Legend

- Former Remedial Pumping Well
- Monitoring Well in Shallow Aquifer
- Monitoring Well in Intermediate Aquifer
- Monitoring Well in Deep Aquifer

Example

● CG-1 Well Name
 <0.075 Vinyl Chloride Concentration

(Duplicate results separated by "/")

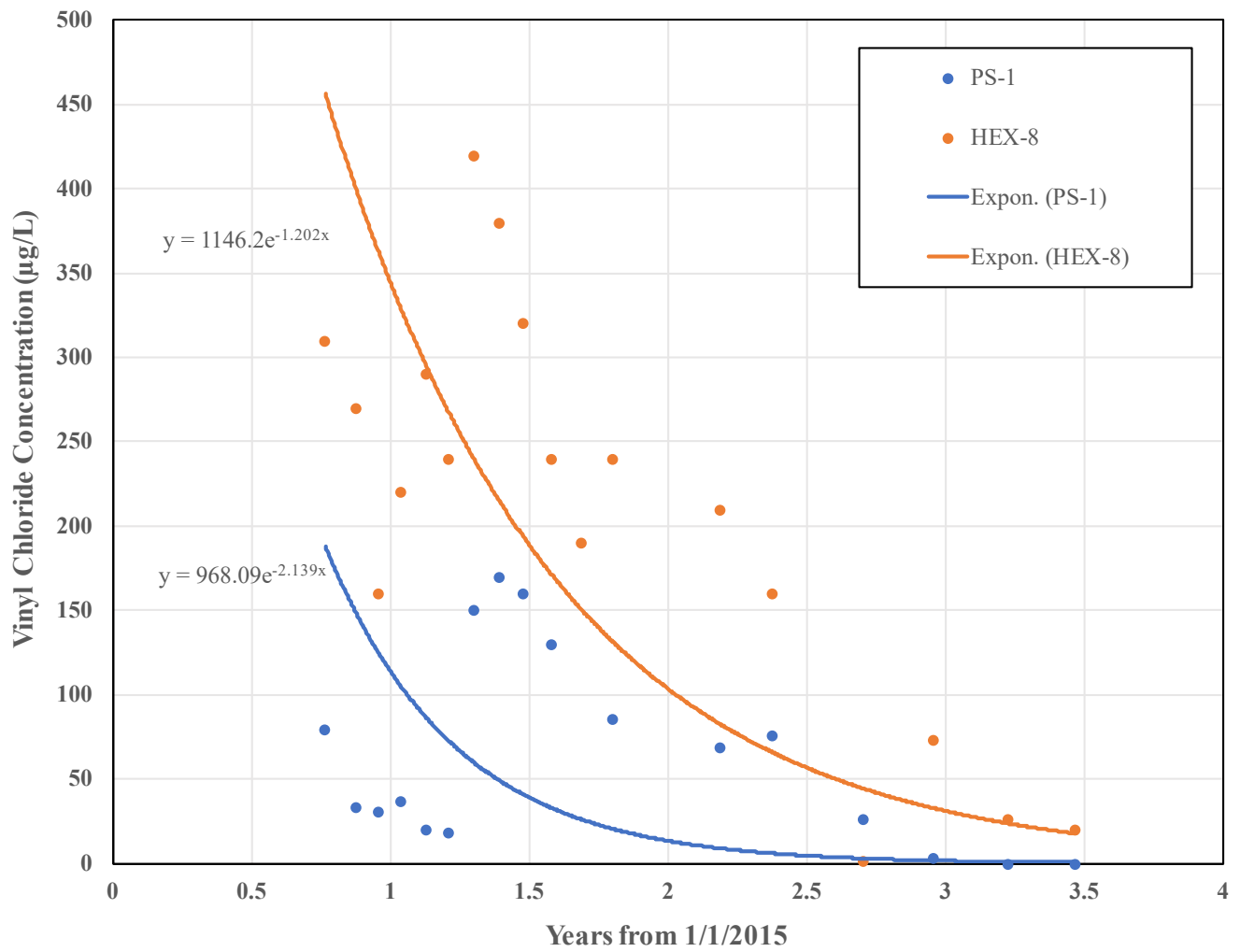


Notes:

Projection: STATE PLANE
 WA NORTH FIPS 4601 FEET
 NA = Not Accessible; samples not collected due to lack of access agreement
 µg/L = micrograms per Liter
 "J" indicates an estimated value between the Minimum Detection Limit and the Minimum Reporting Limit.

Date	11/1/2021	File ID	273-107

Figure 14
 VINYL CHLORIDE (µg/L)
 IN GROUNDWATER
 SEPTEMBER 2021



Calculation of MNA Time

	PS-1	HEX-8
$t = (\ln(C_{goal})/C_{start}) / -k$		
Cgoal =	0.2	
Cstart =	From Plot	968.09 1146.2
-k =	From Plot	-2.139 -1.202
t =	3.97	7.20

**Plots of Vinyl Chloride Concentrations vs. Time
Select Groundwater Monitoring Wells
Hexcel Plant 1, Kent, WA**

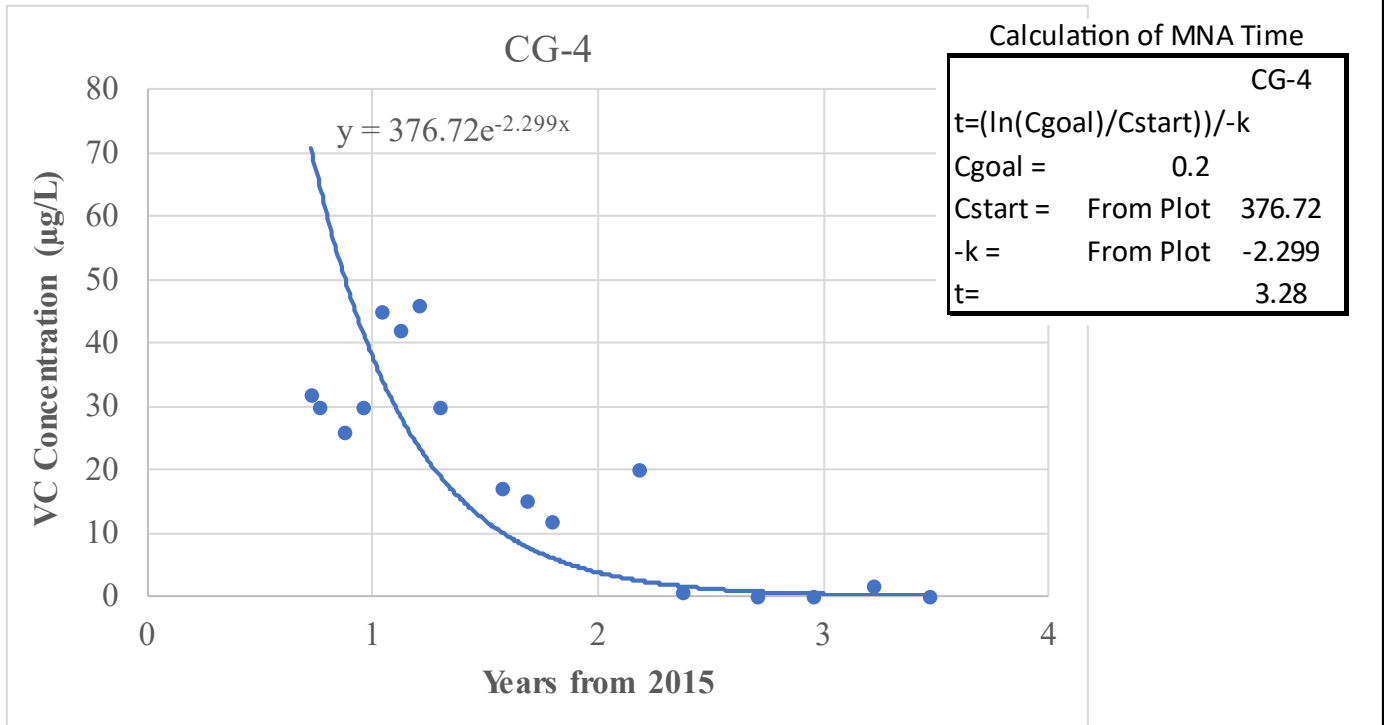
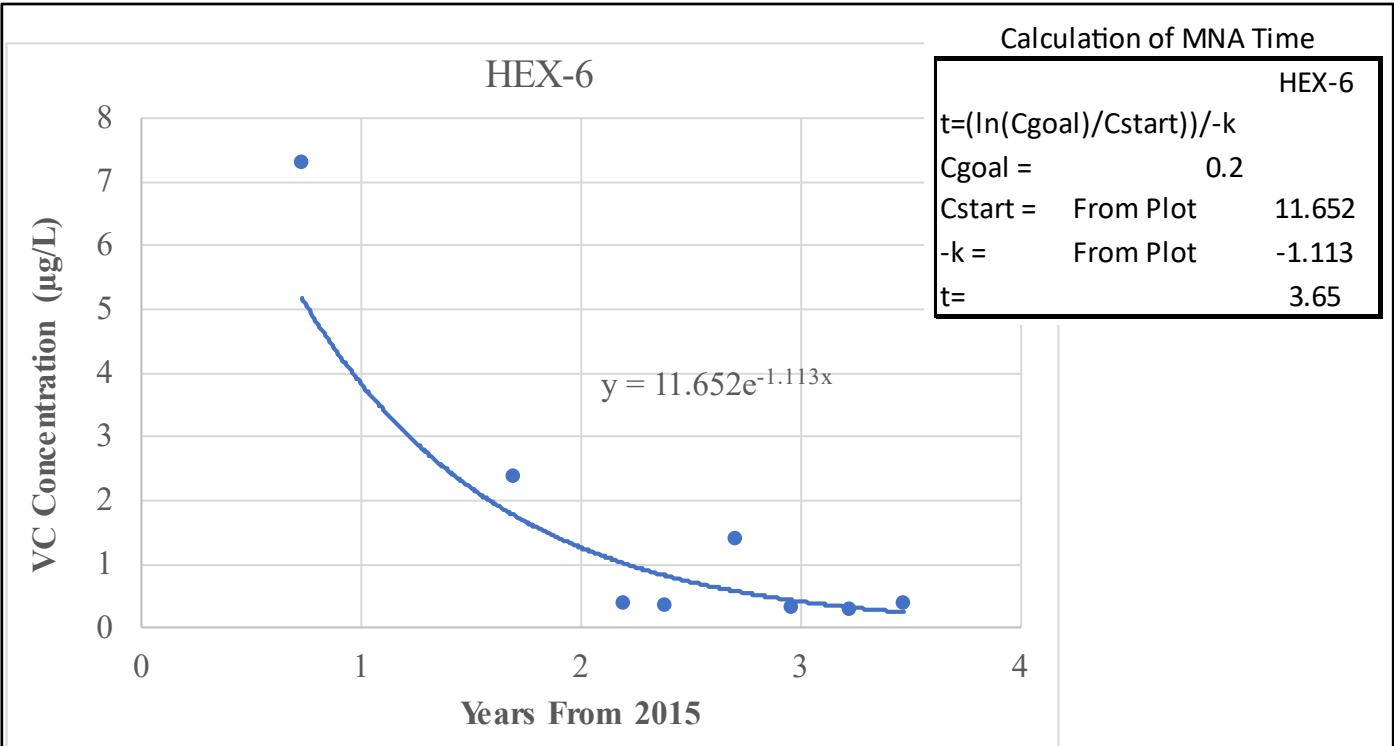
Geosyntec
consultants



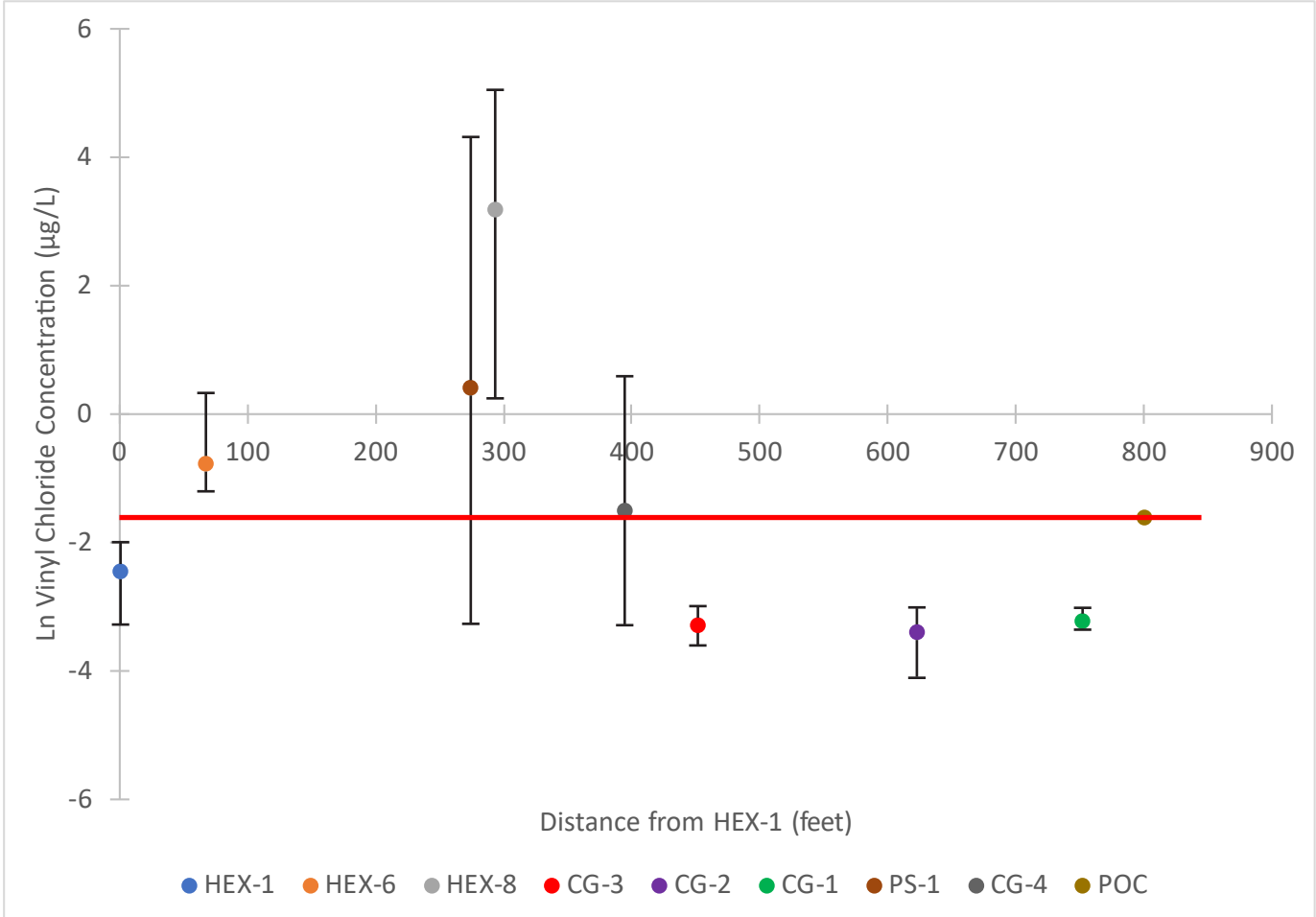
**Figure
15**

Seattle, WA

August 2018



**Plots of Vinyl Chloride Concentrations vs. Time
Select Groundwater Monitoring Wells
Hexcel Plant 1, Kent, WA**



Legend

Regulatory Cleanup Standard

**Plots of Vinyl Chloride Concentrations vs. Distance
Select Groundwater Monitoring Wells
Hexcel Plant 1, Kent, WA**

Geosyntec
consultants



**Figure
17**

Seattle, WA

August 2018