

● Other Reference Organics ● OSSM DNAPL Primary Constituents



Relative Mobility of Organic Compounds in Groundwater
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-73

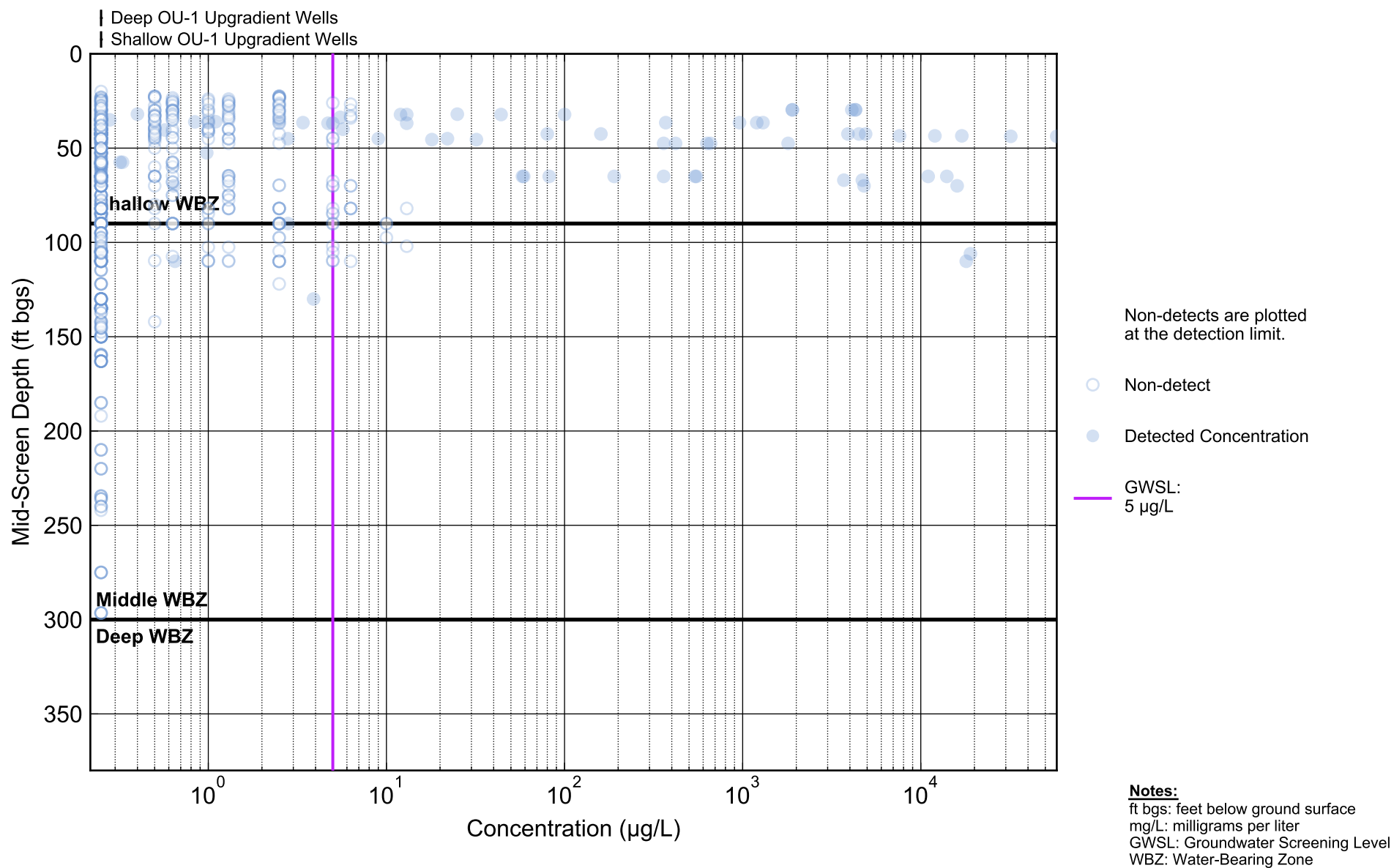
Drafter: RS

Date: 5/4/2020

Contract Number: 169002 9369

Approved:

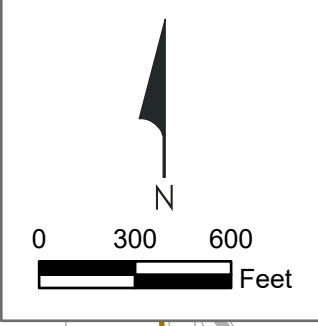
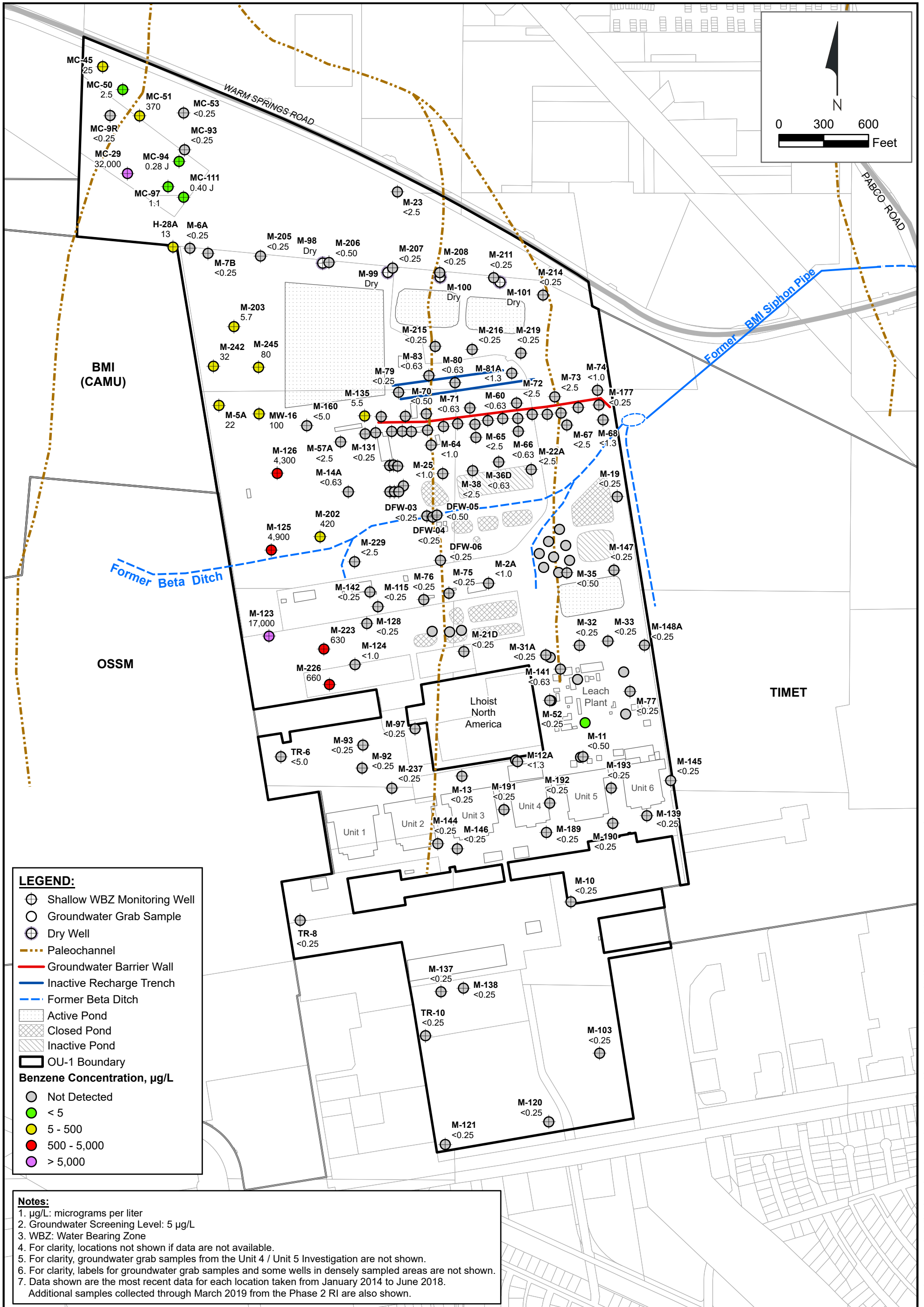
Revised:



OU-1 Benzene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

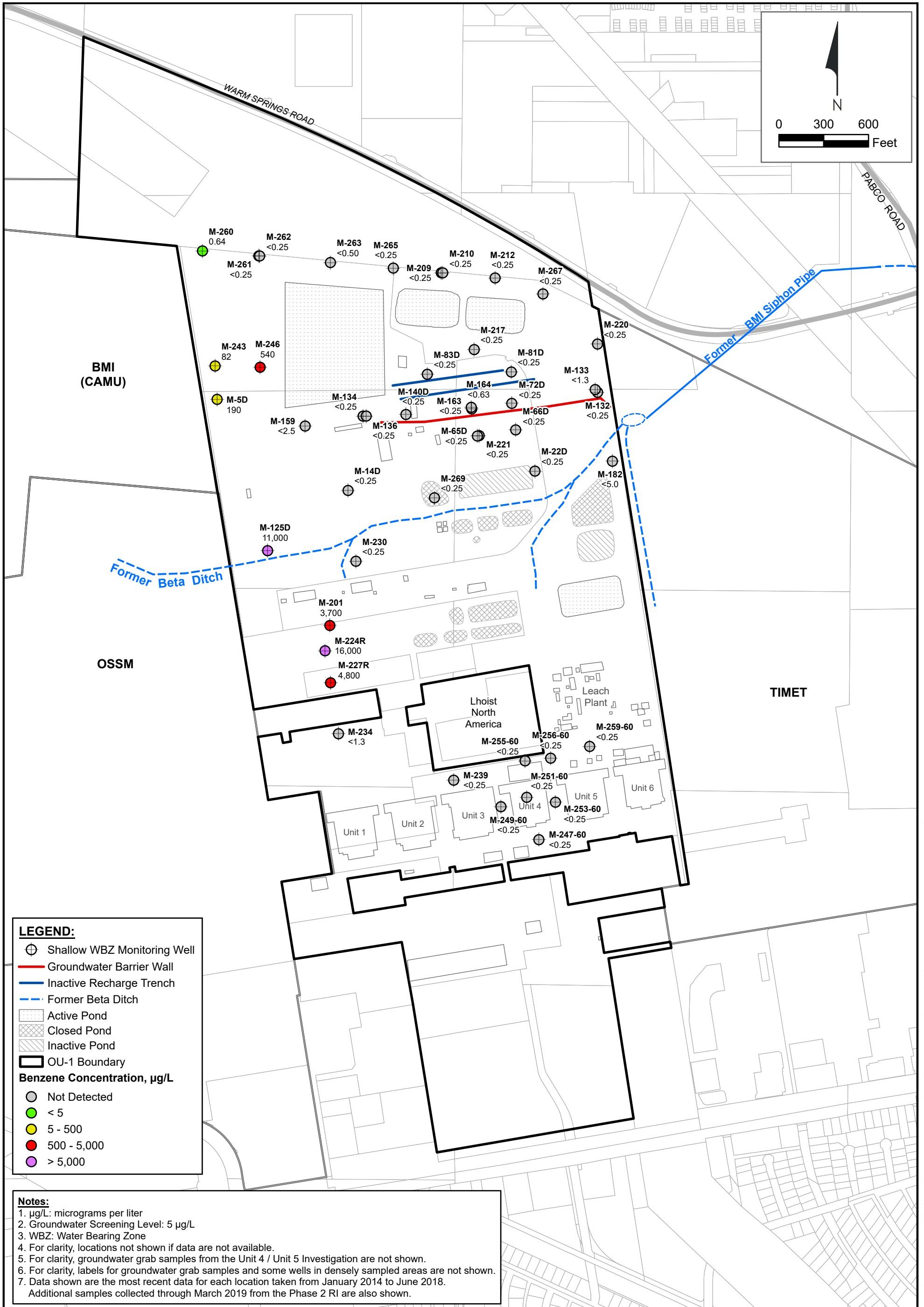
7-74a



Benzene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-74b

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-74b Benzene Upper Shallow



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary
- Benzene Concentration, µg/L**
- Not Detected
- < 5
- 5 - 500
- 500 - 5,000
- > 5,000

Notes:

1. µg/L: micrograms per liter
2. Groundwater Screening Level: 5 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Benzene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-74c

Drafter: JC

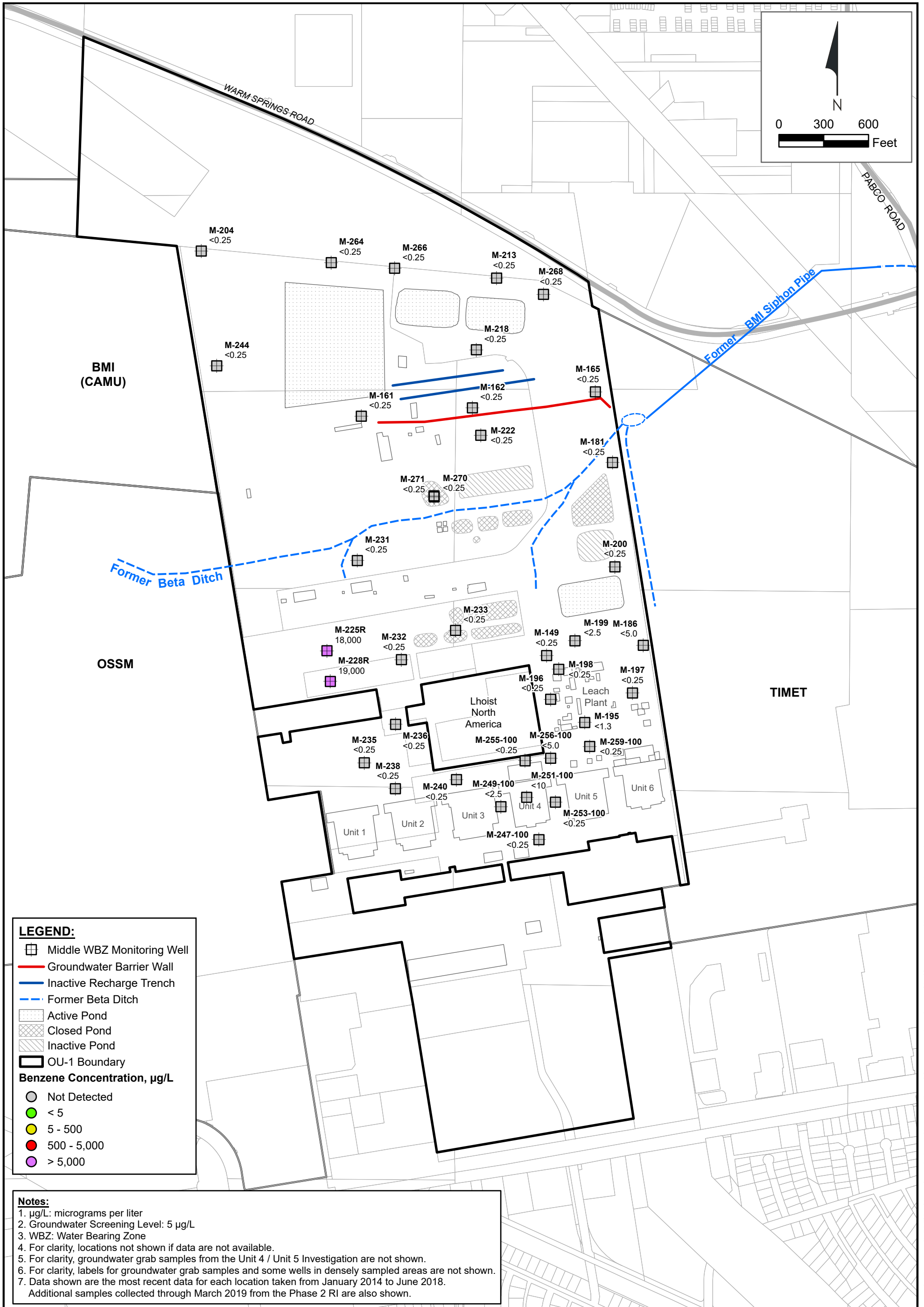
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-74c Benzene Lower Shallow



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Benzene Concentration, µg/L

- Not Detected
- < 5
- 5 - 500
- 500 - 5,000
- > 5,000

Notes:

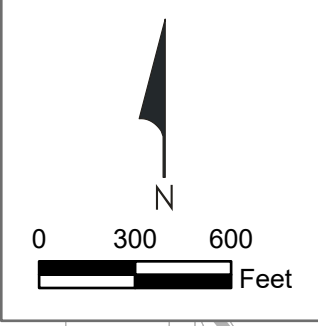
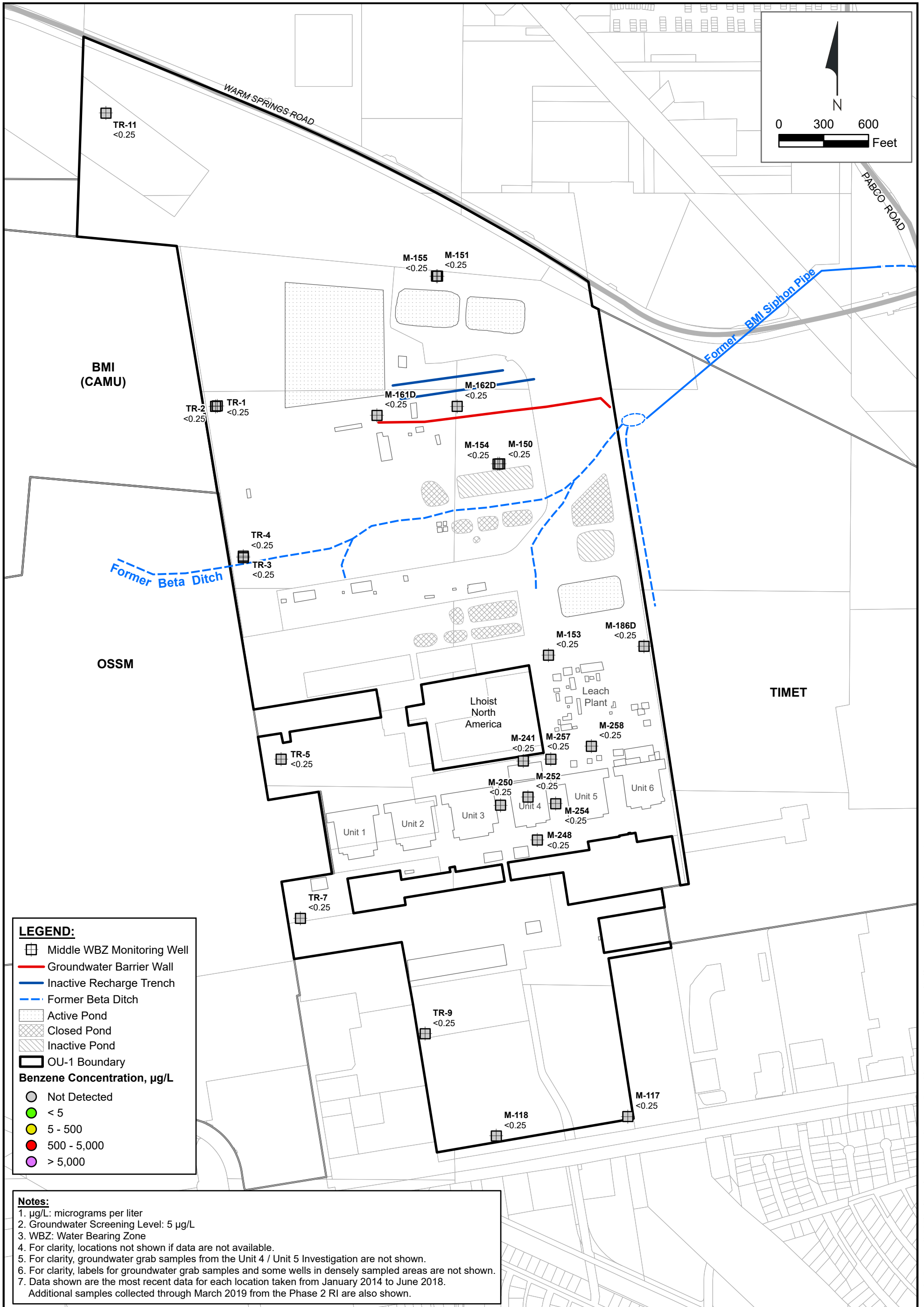
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 5 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Benzene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-74d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-74d Benzene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Benzene Concentration, $\mu\text{g/L}$

- Not Detected
- < 5
- $5 - 500$
- $500 - 5,000$
- $> 5,000$

Notes:

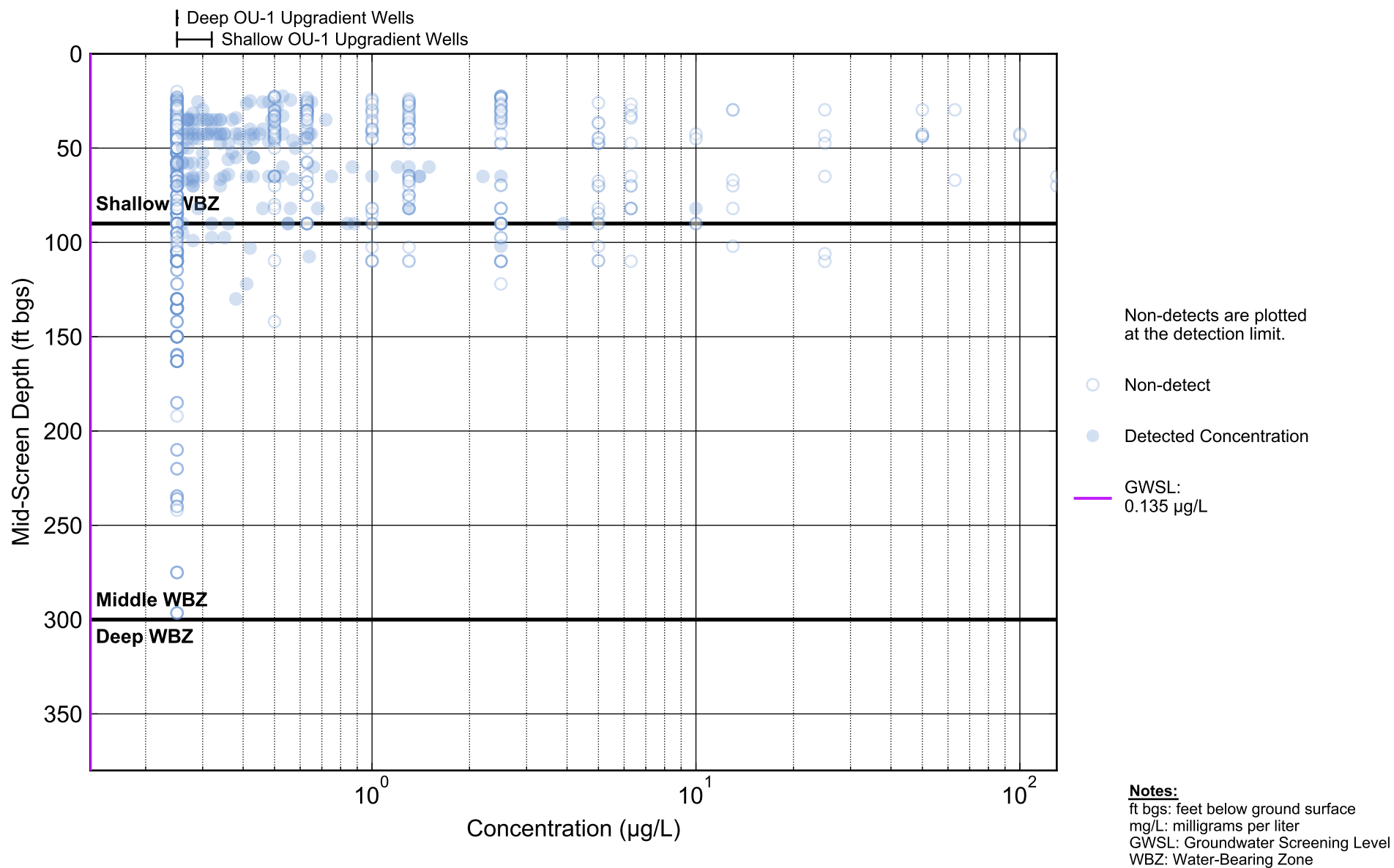
1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: $5\ \mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Benzene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-74e

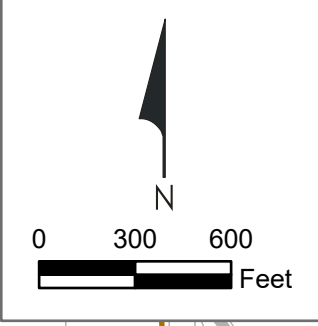
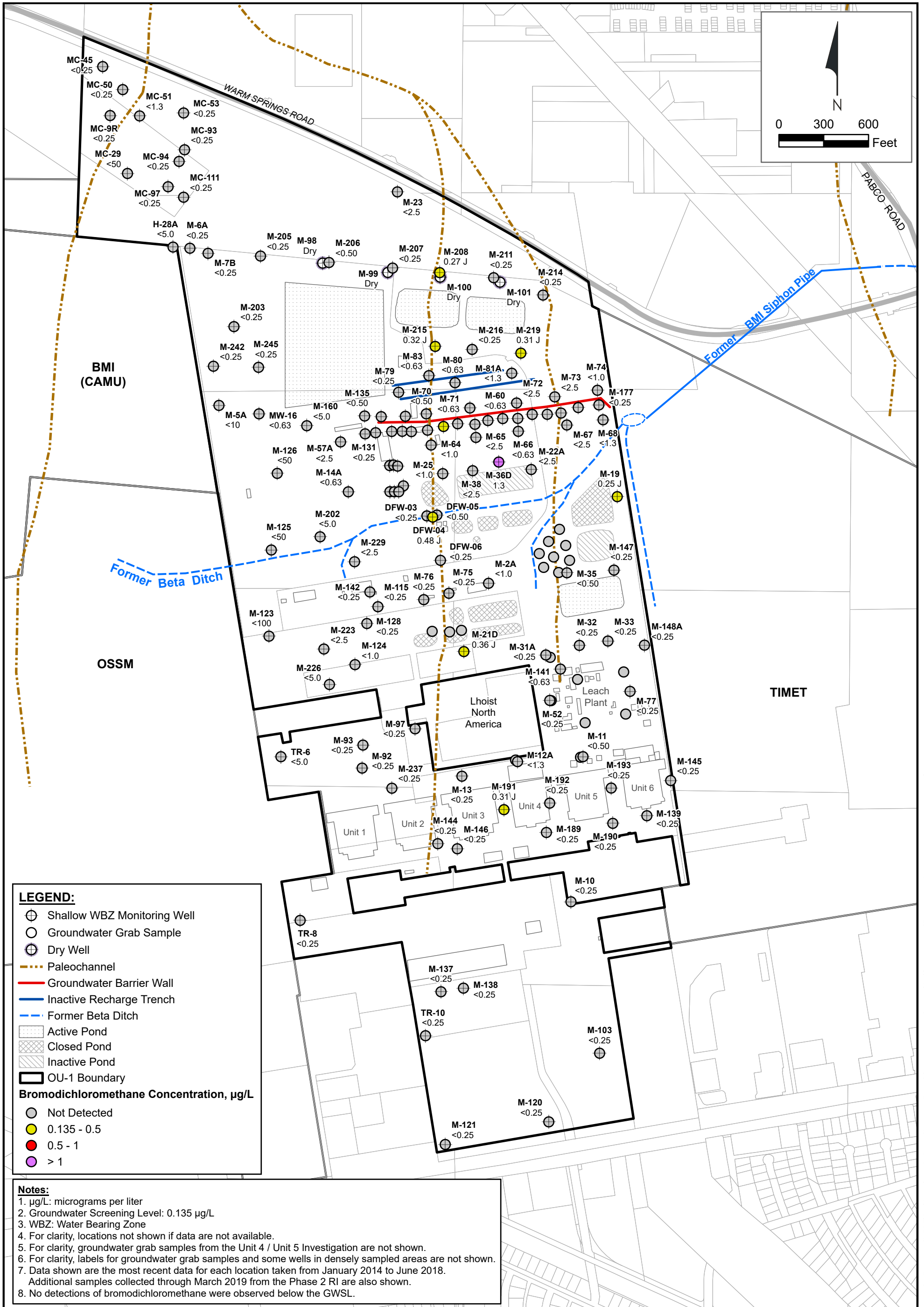
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-74e Benzene Lower Middle



OU-1 Bromodichloromethane Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-75a



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Grab Sample
- ⊖ Dry Well
- Paleochannel
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

Bromodichloromethane Concentration, µg/L

- Not Detected
- 0.135 - 0.5
- 0.5 - 1
- > 1

Notes:

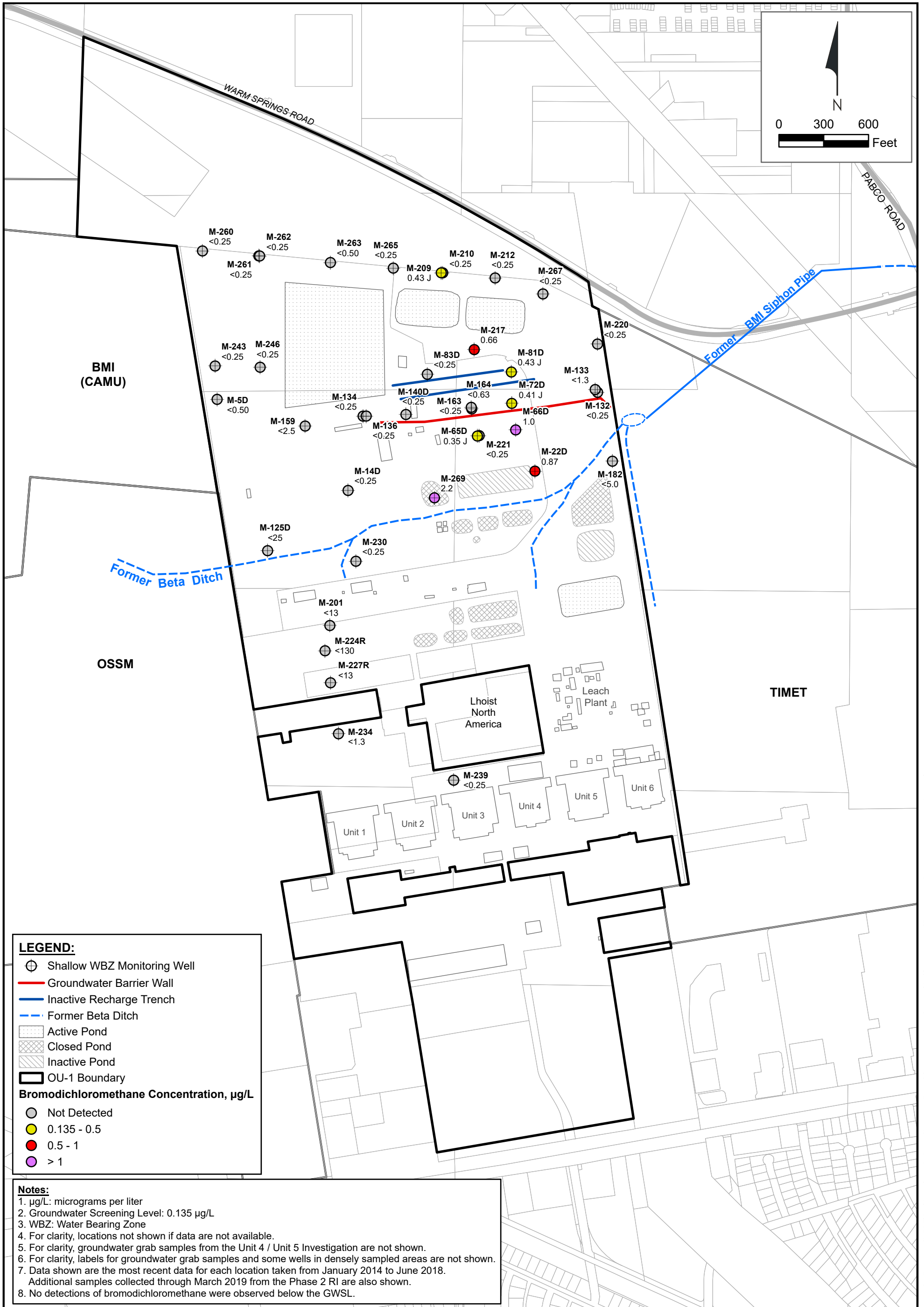
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 0.135 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of bromodichloromethane were observed below the GWSL.



Bromodichloromethane - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-75b

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-75b Bromodichloromethane Upper Shallow



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

Bromodichloromethane Concentration, µg/L

- ⊕ Not Detected
- 0.135 - 0.5
- 0.5 - 1
- > 1

Notes:

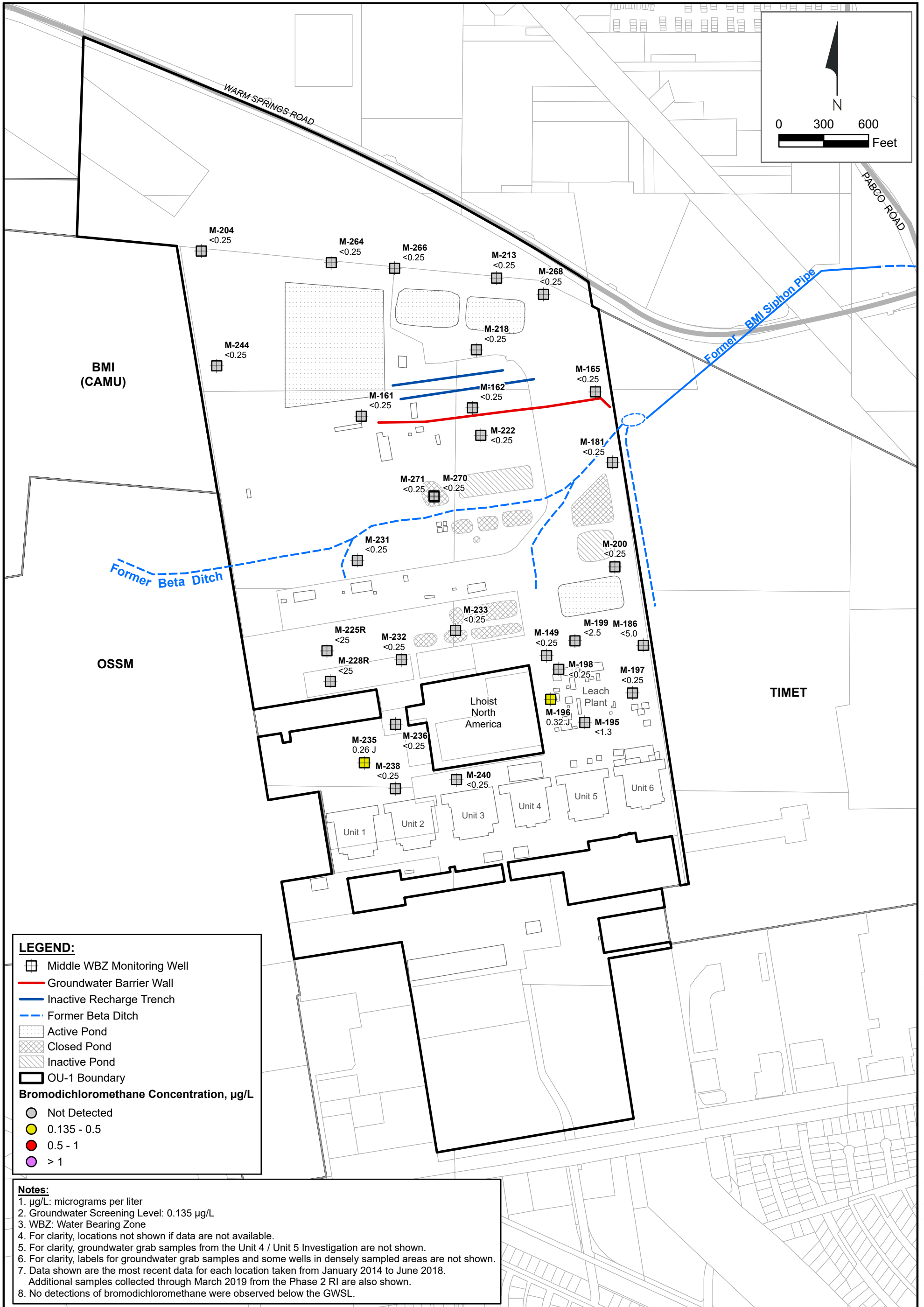
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 0.135 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of bromodichloromethane were observed below the GWSL.



Bromodichloromethane - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-75c

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-75c Bromodichloromethane Lower Shallow



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Bromodichloromethane Concentration, µg/L

- Not Detected
- 0.135 - 0.5
- 0.5 - 1
- > 1

Notes:

1. µg/L: micrograms per liter
2. Groundwater Screening Level: 0.135 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of bromodichloromethane were observed below the GWSL.



Bromodichloromethane - Middle WBZ (90-130 ft bgs)

Nevada Environmental Response Trust Site
Henderson, Nevada

Figure
7-75d

Drafter: JC

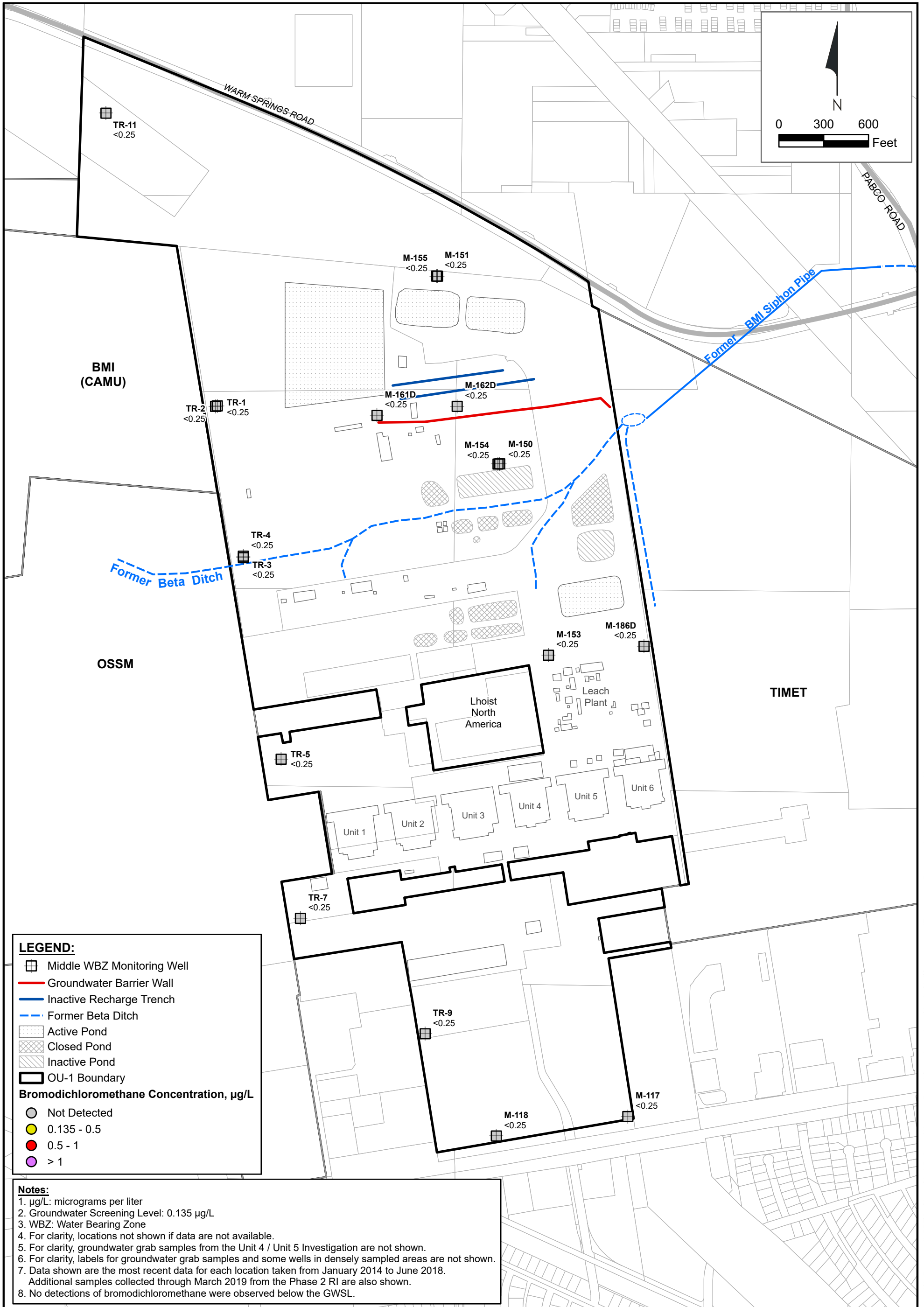
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-75d Bromodichloromethane Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Bromodichloromethane Concentration, $\mu\text{g/L}$

- Not Detected
- 0.135 - 0.5
- 0.5 - 1
- > 1 Symbol"/> > 1

Notes:

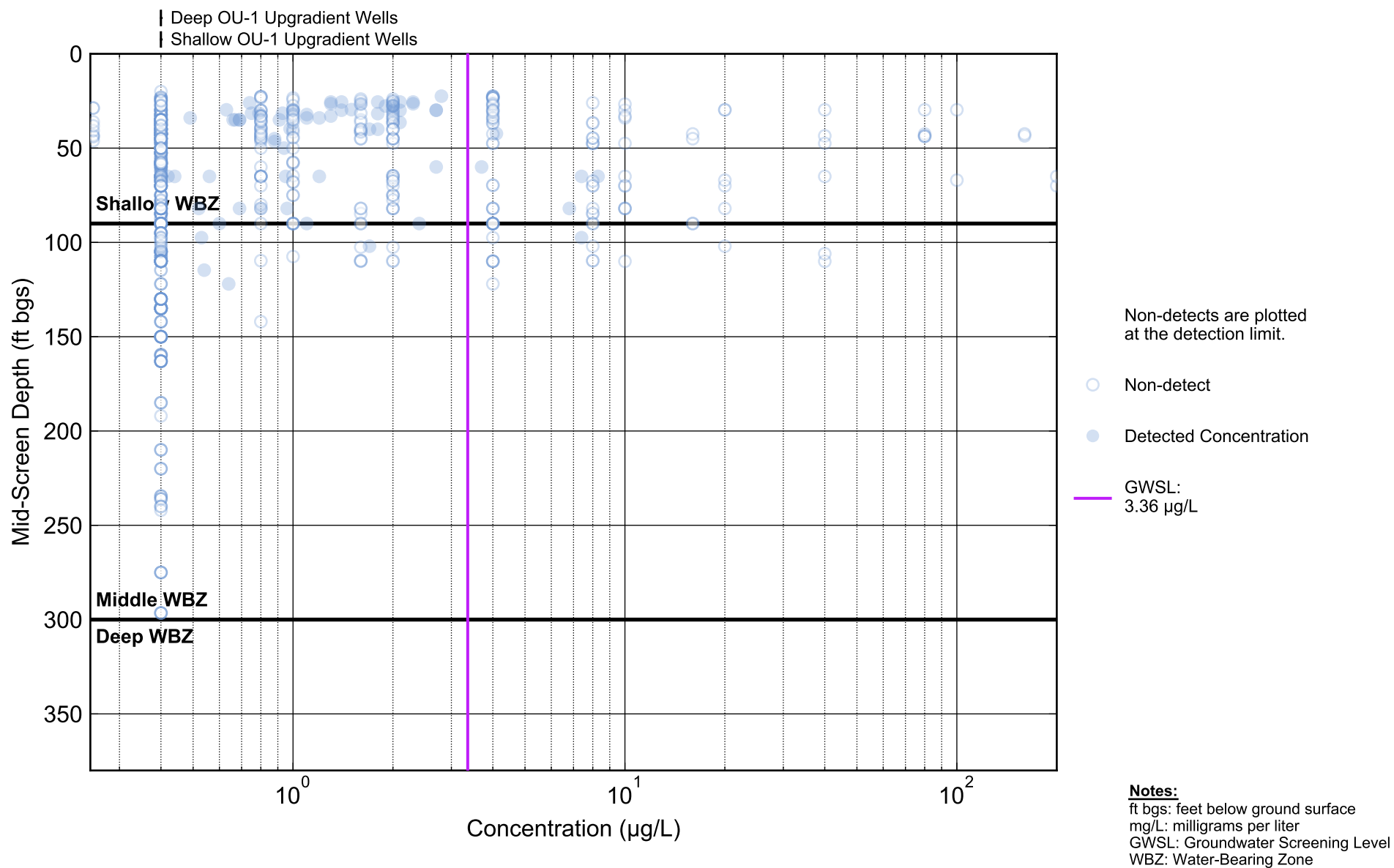
1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: $0.135\ \mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of bromodichloromethane were observed below the GWSL.



Bromodichloromethane - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-75e

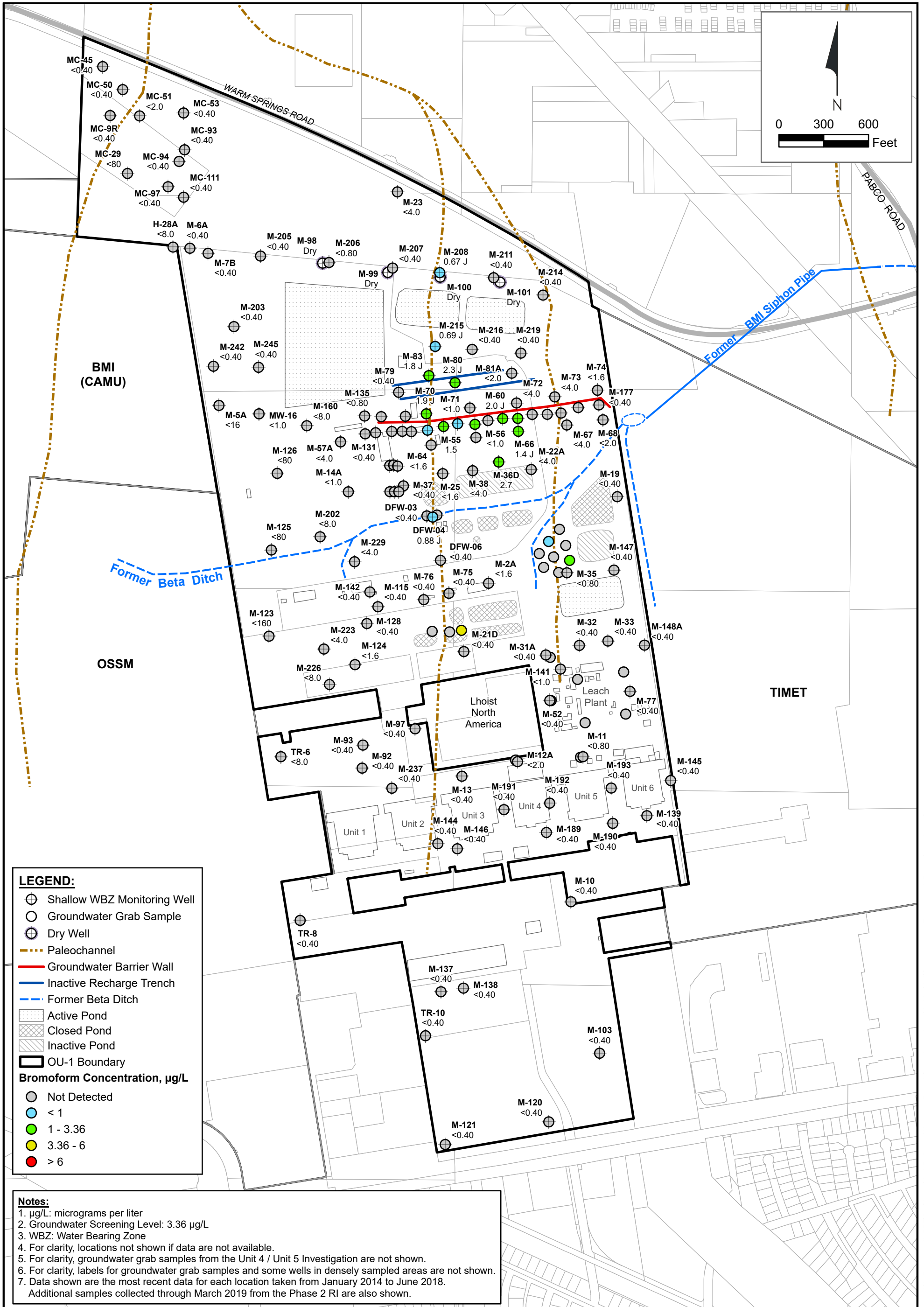
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OU-1 Bromoform Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-76a



Bromoform - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-76b

Drafter: JC

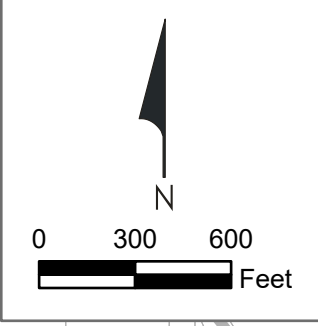
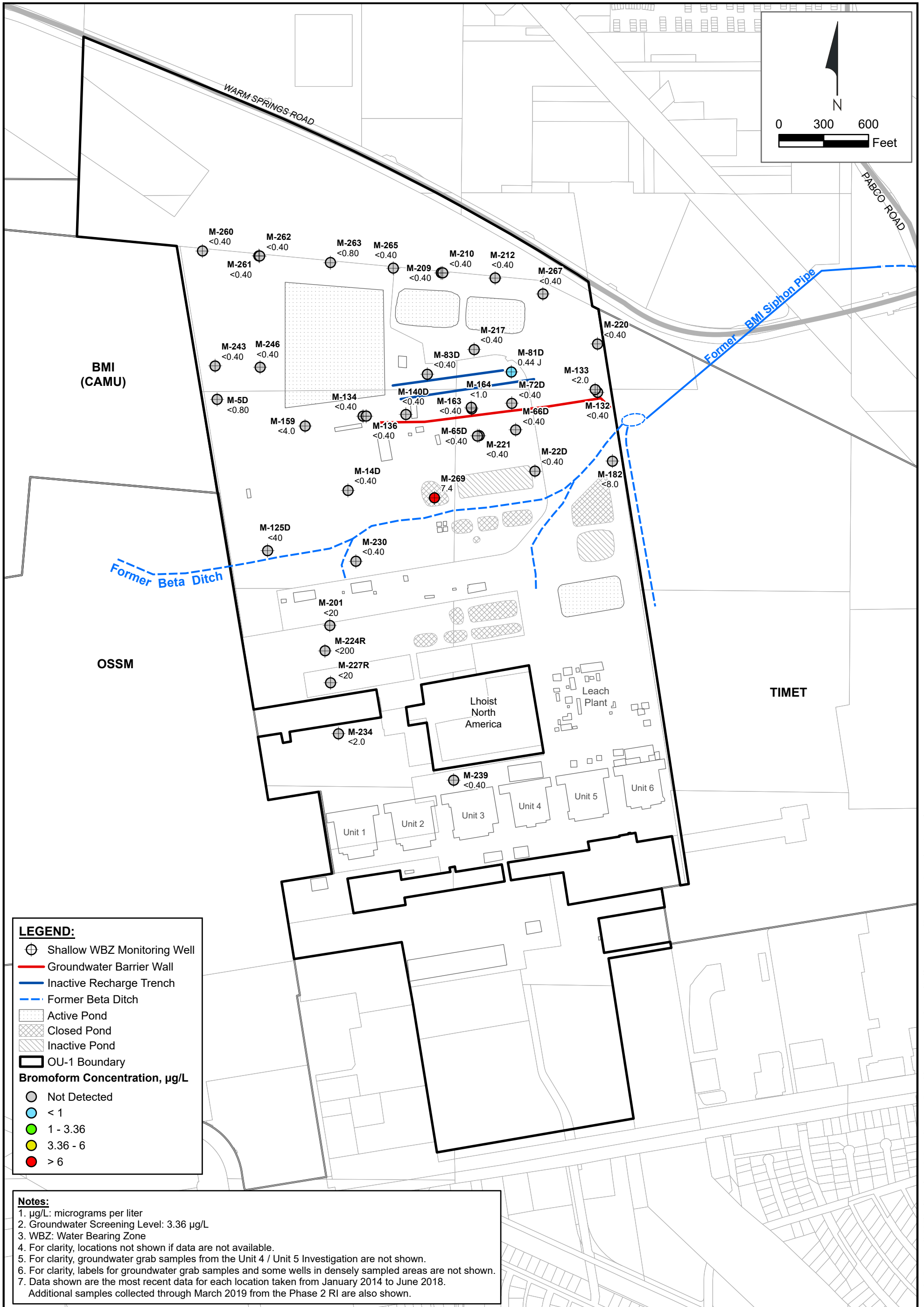
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-76b Bromoform Upper Shallow



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

Bromoform Concentration, µg/L

- ⊕ Not Detected
- < 1
- 1 - 3.36
- 3.36 - 6
- > 6

Notes:

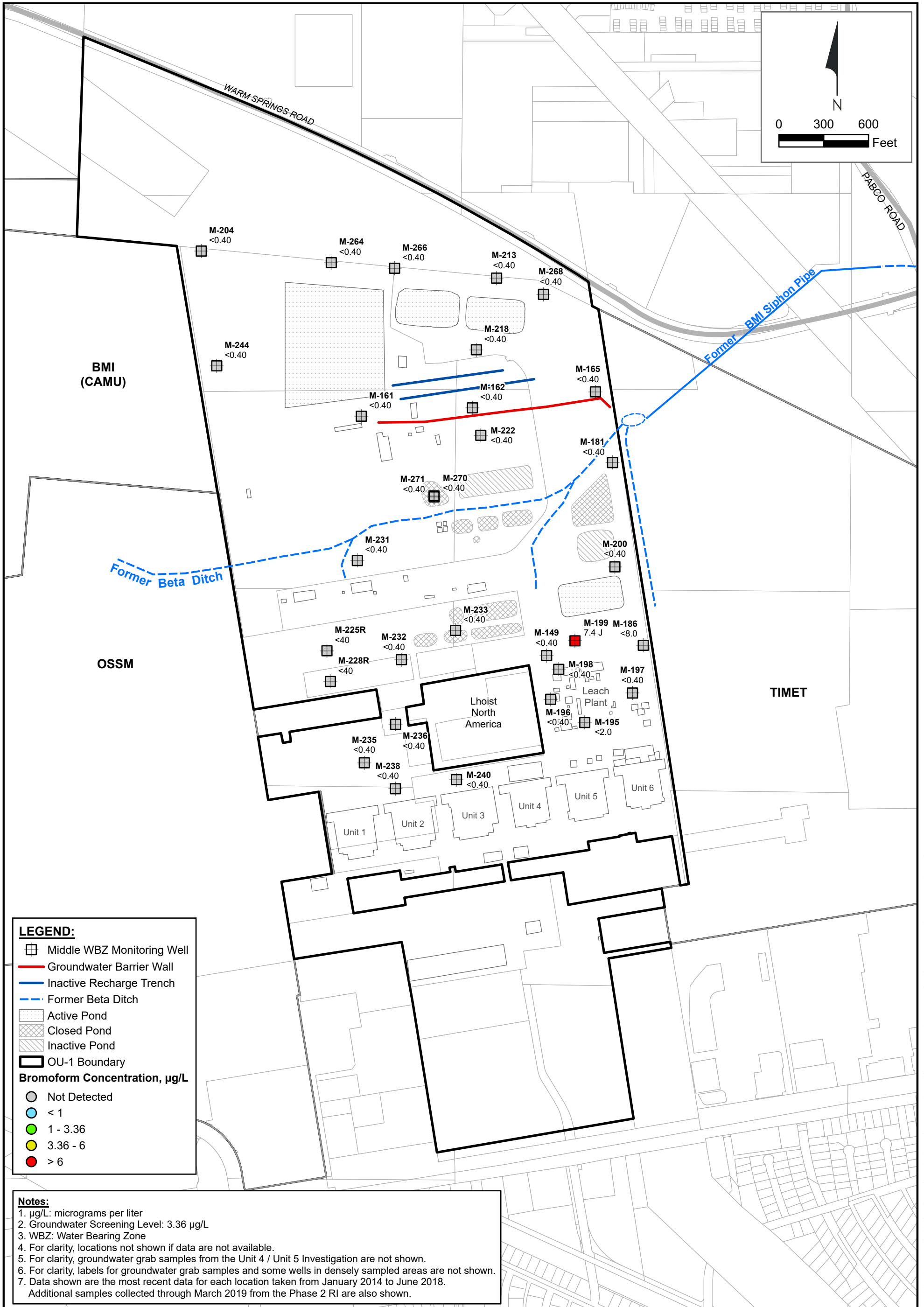
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 3.36 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Bromoform - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-76c

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-76c Bromoform Lower Shallow



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Bromoform Concentration, µg/L

- Not Detected
- < 1
- 1 - 3.36
- 3.36 - 6
- > 6

Notes:

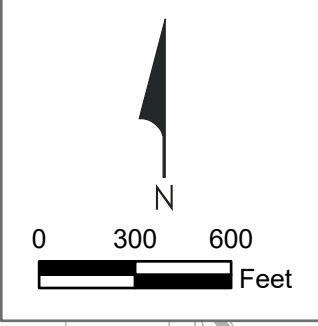
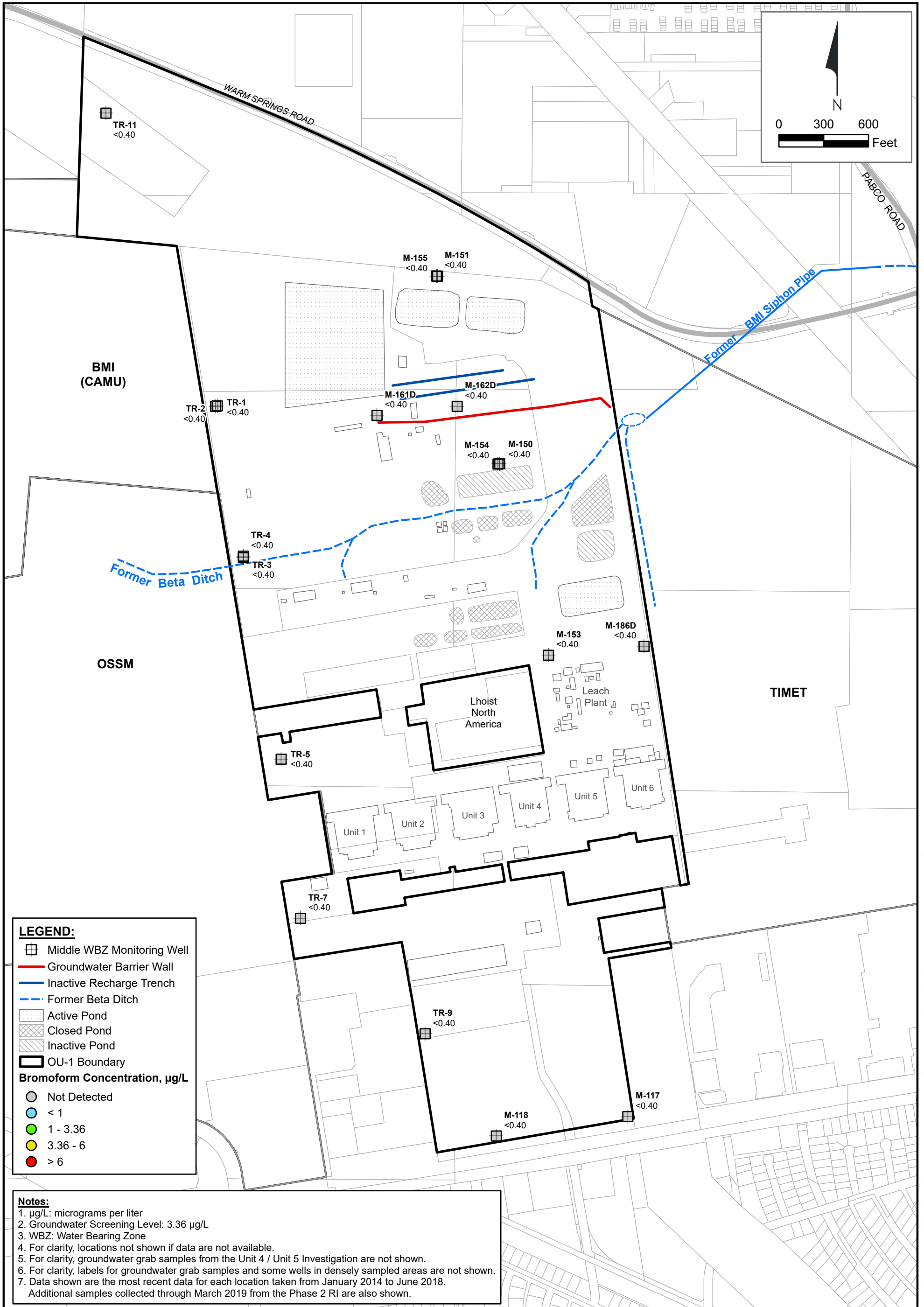
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 3.36 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
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Bromoform - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-76d

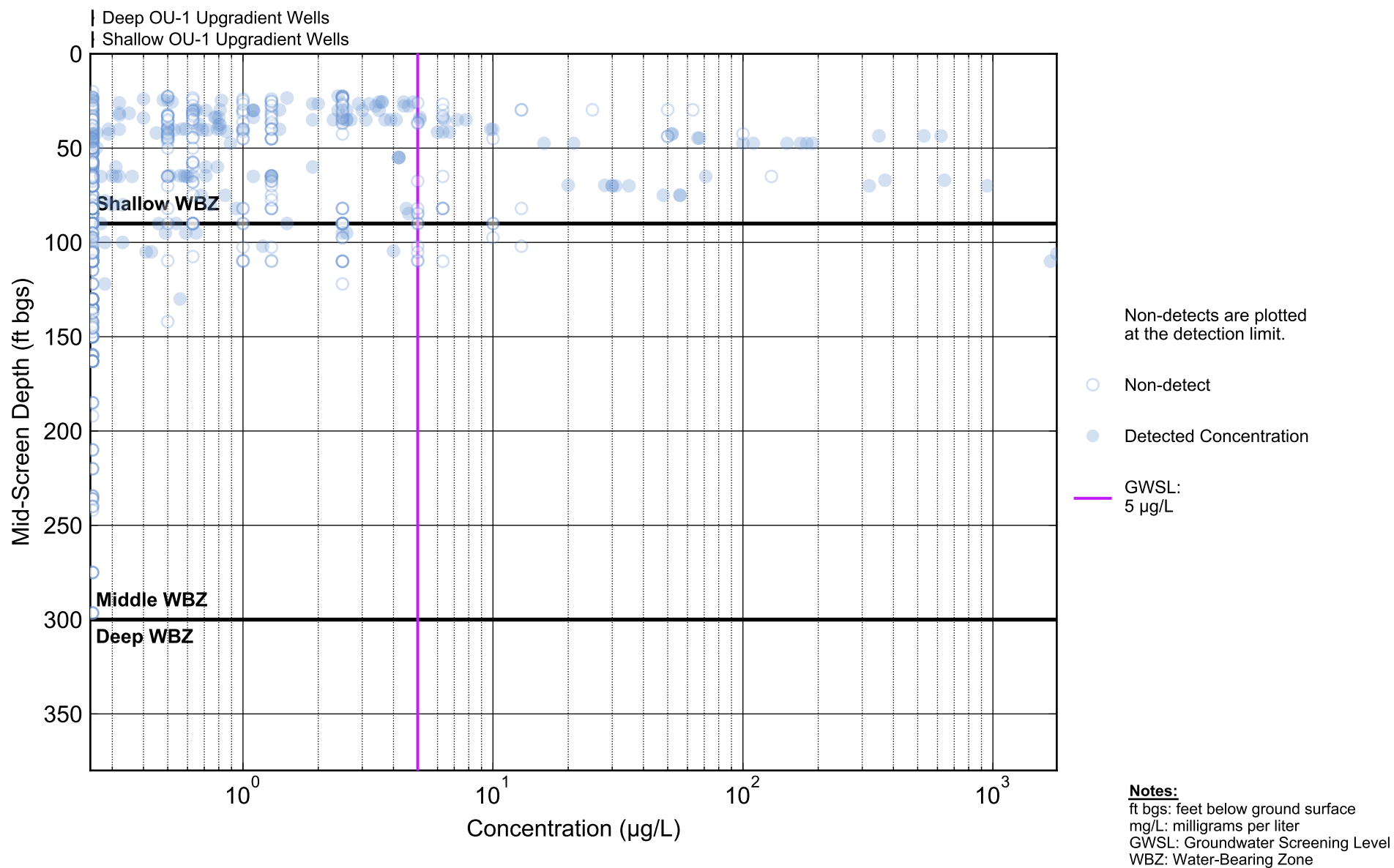
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Bromoform - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-76e

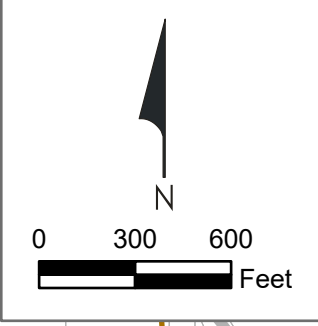
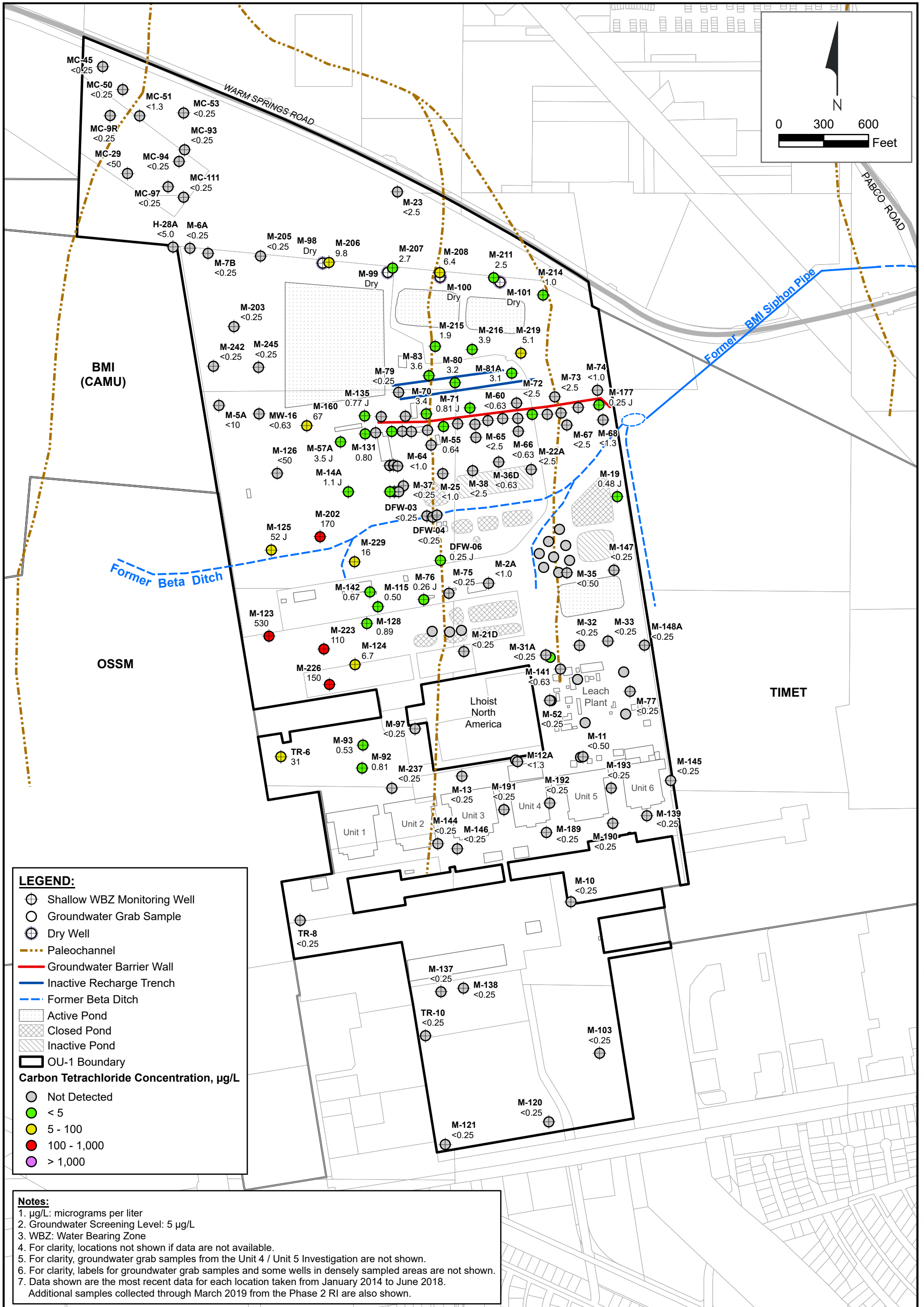
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-76e Bromoform Lower Middle



OU-1 Carbon Tetrachloride Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

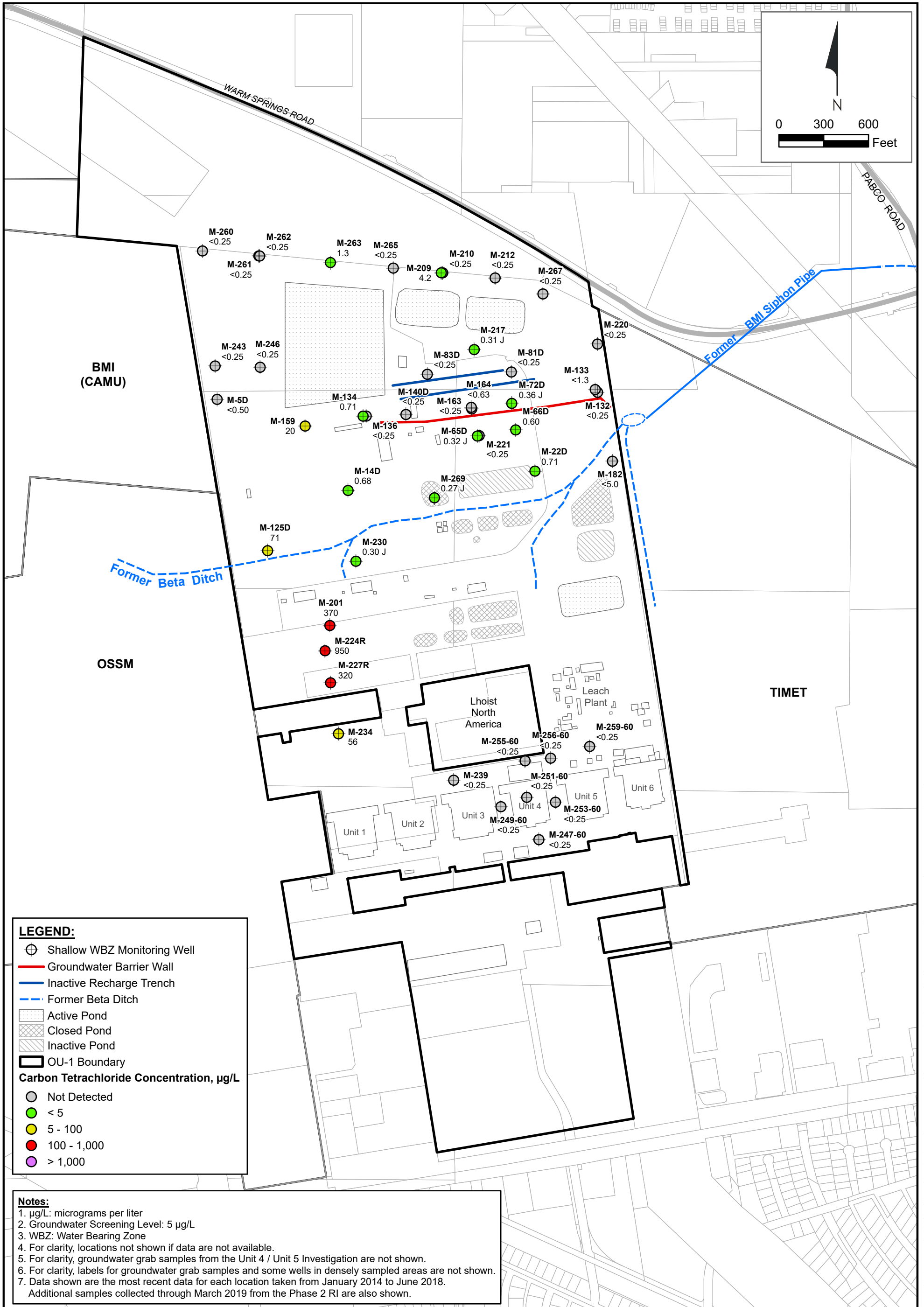
7-77a



Carbon Tetrachloride - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-77b

Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-77b Carbon tetrachloride Upper Shallow

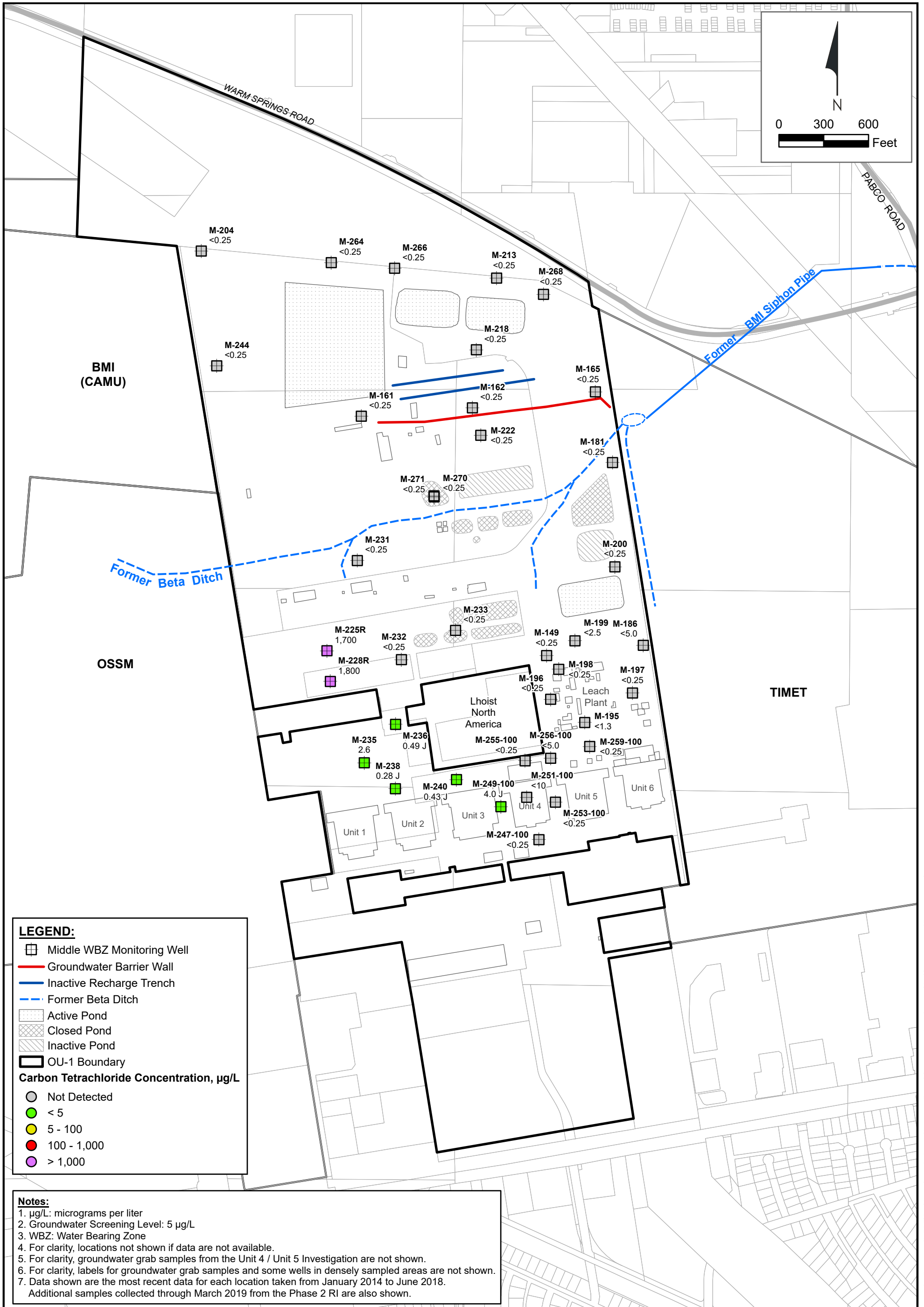


Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-77c Carbon tetrachloride Lower Shallow



Carbon Tetrachloride - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-77c



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Carbon Tetrachloride Concentration, µg/L

- Not Detected
- < 5
- 5 - 100
- 100 - 1,000
- > 1,000

Notes:

1. µg/L: micrograms per liter
2. Groundwater Screening Level: 5 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Carbon Tetrachloride - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-77d

Drafter: JC

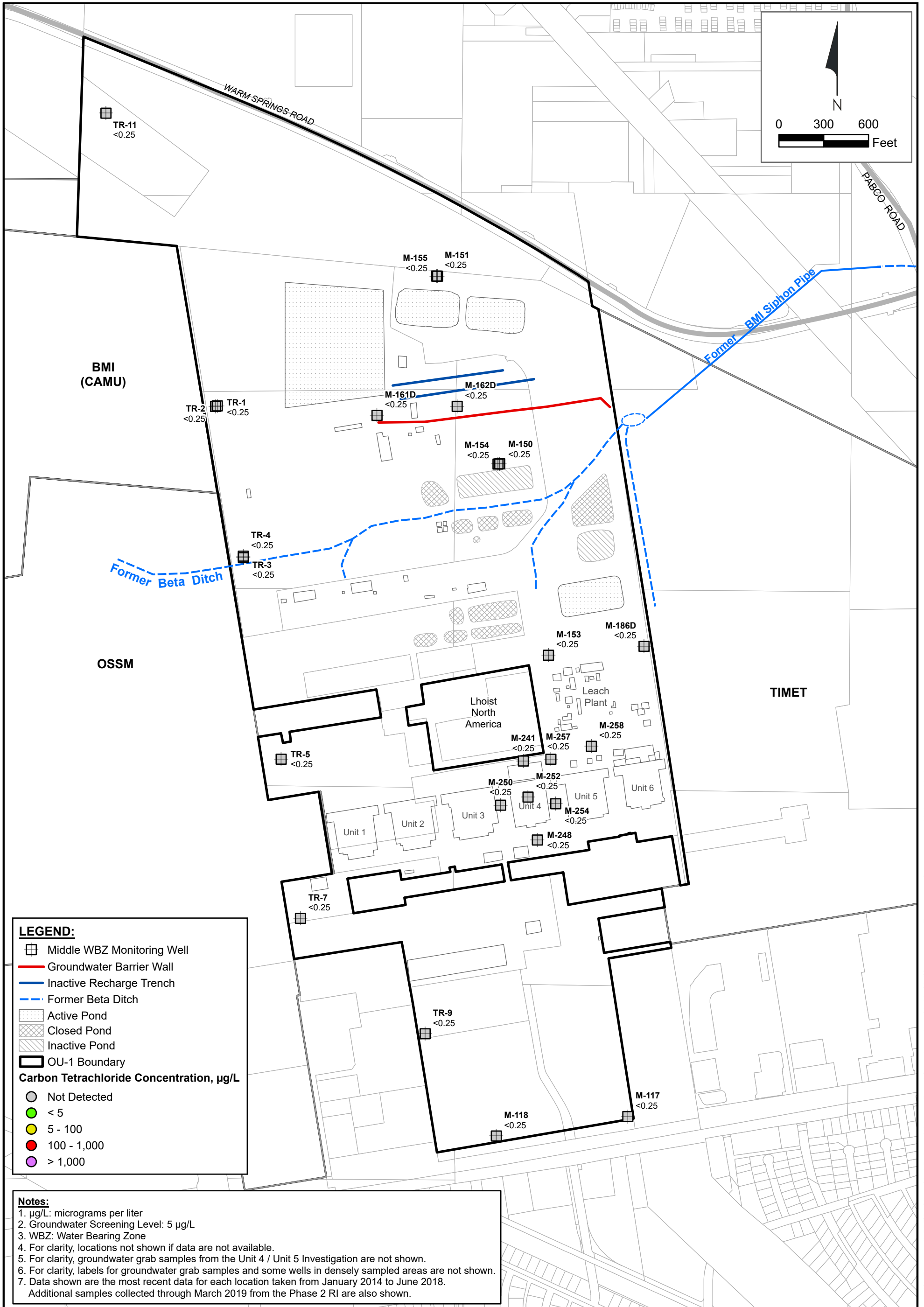
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-77d Carbon tetrachloride Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Carbon Tetrachloride Concentration, $\mu\text{g/L}$

- Not Detected
- < 5
- 5 - 100
- 100 - 1,000
- > 1,000

Notes:

1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: $5\ \mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
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Carbon Tetrachloride - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-77e

Drafter: JC

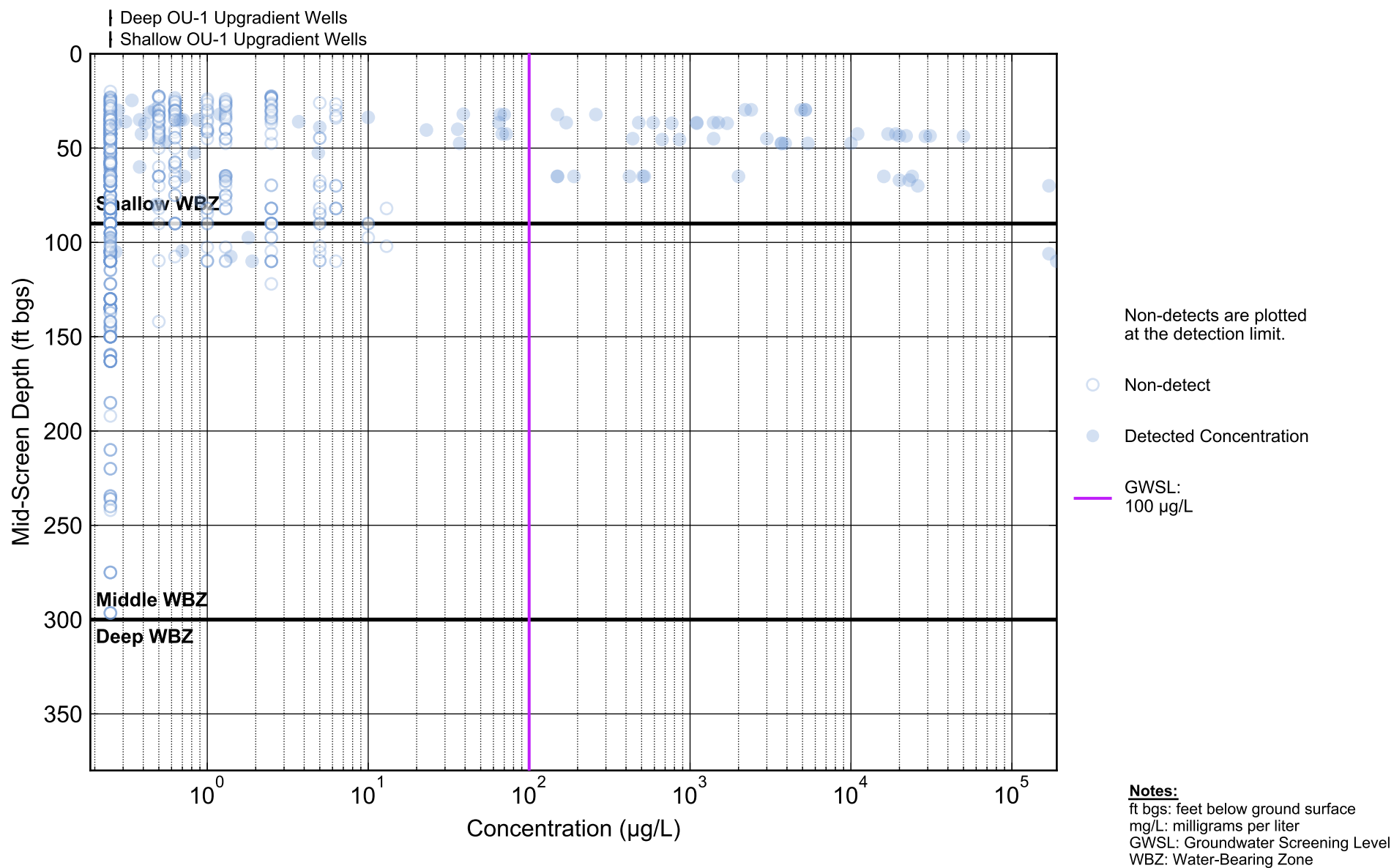
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

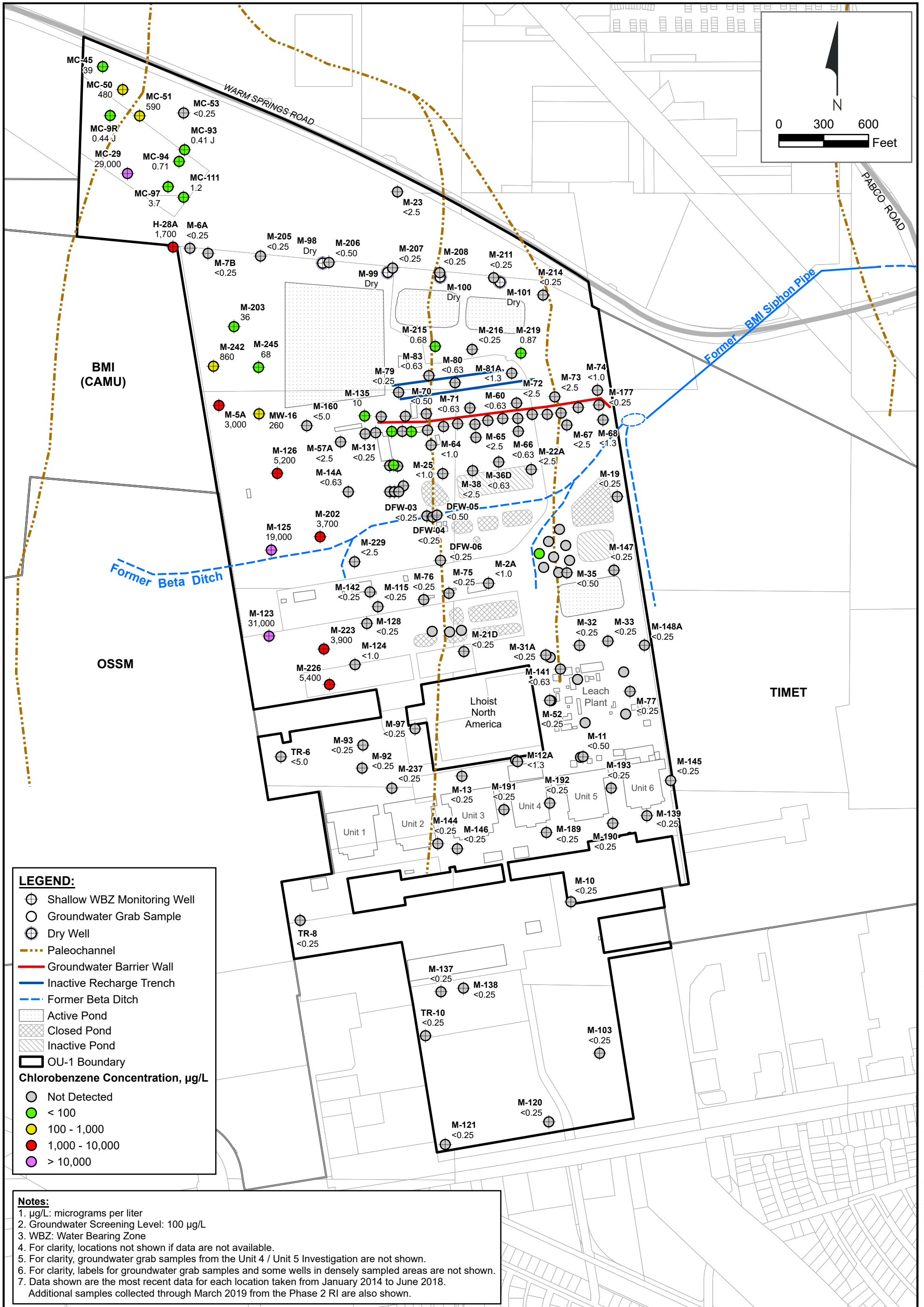
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-77e Carbon tetrachloride Lower Middle



OU-1 Chlorobenzene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-78a



Chlorobenzene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-78b

Drafter: JC

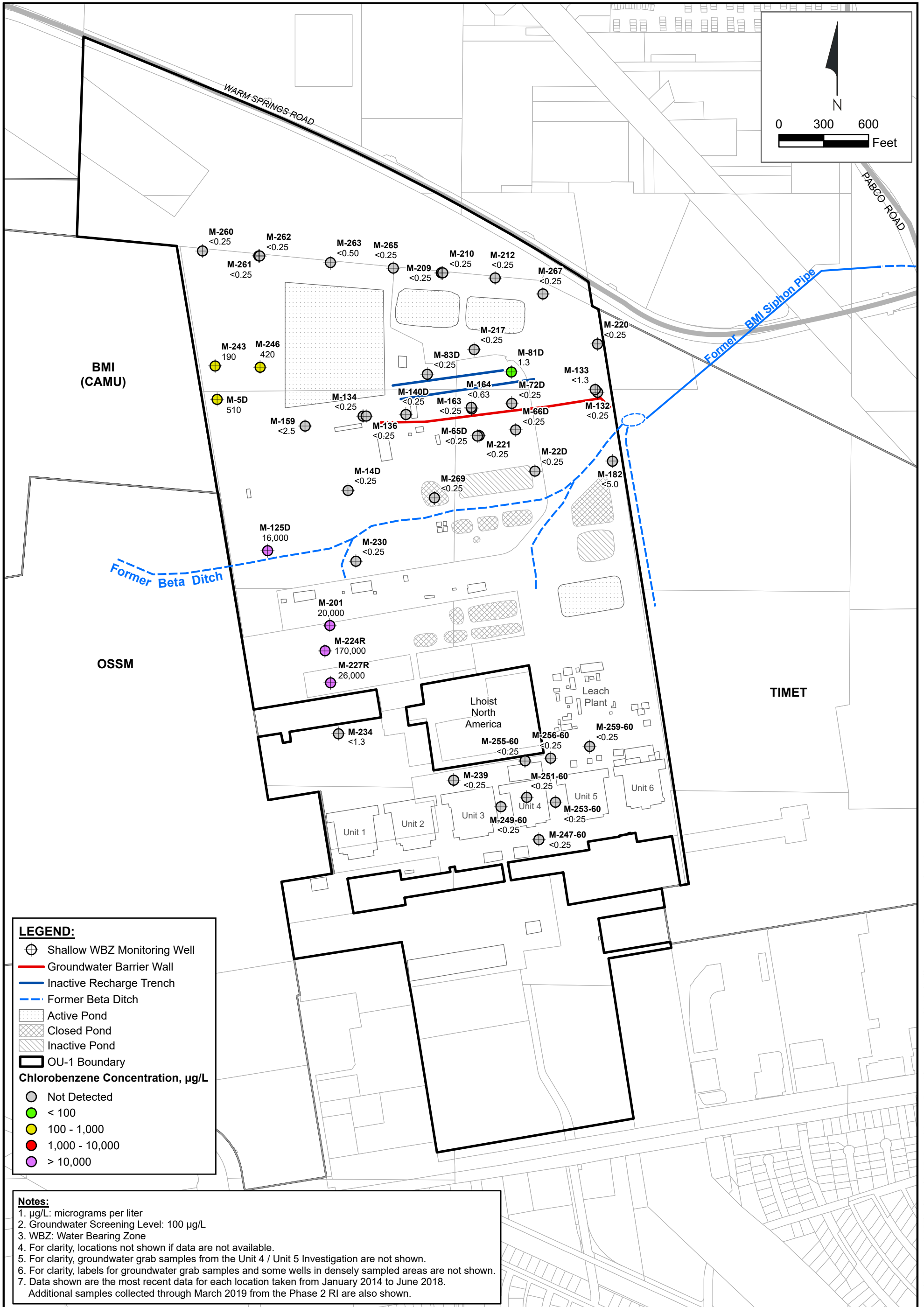
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-78b Chlorobenzene Upper Shallow



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary
- Chlorobenzene Concentration, µg/L**
- Not Detected
- < 100
- 100 - 1,000
- 1,000 - 10,000
- > 10,000

Notes:

1. µg/L: micrograms per liter
2. Groundwater Screening Level: 100 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Chlorobenzene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-78c

Drafter: JC

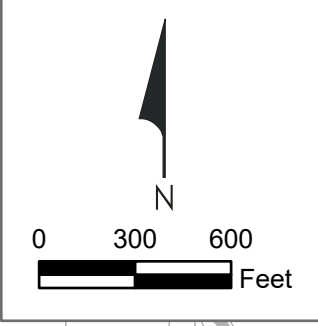
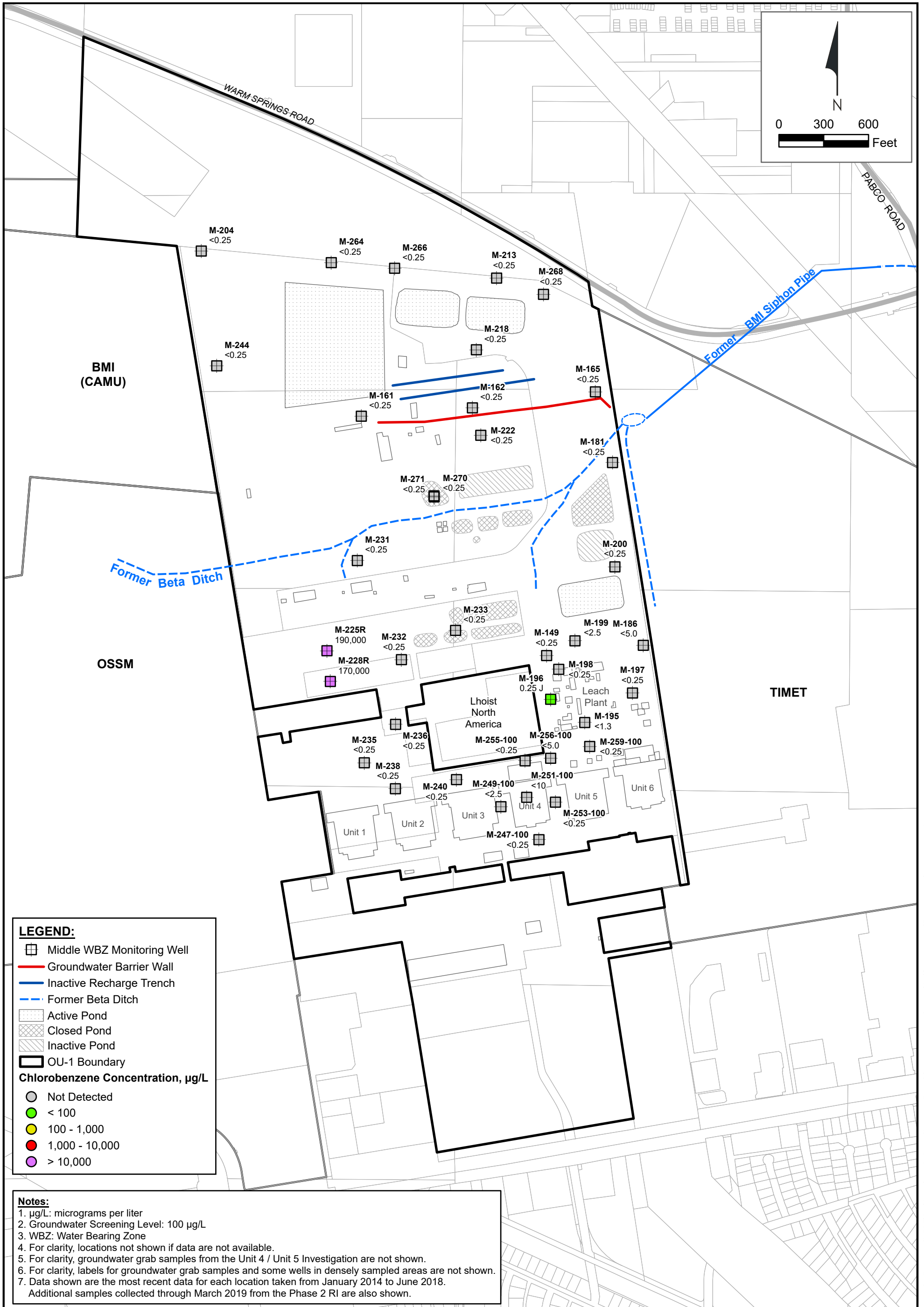
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

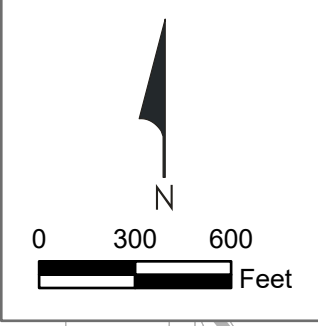
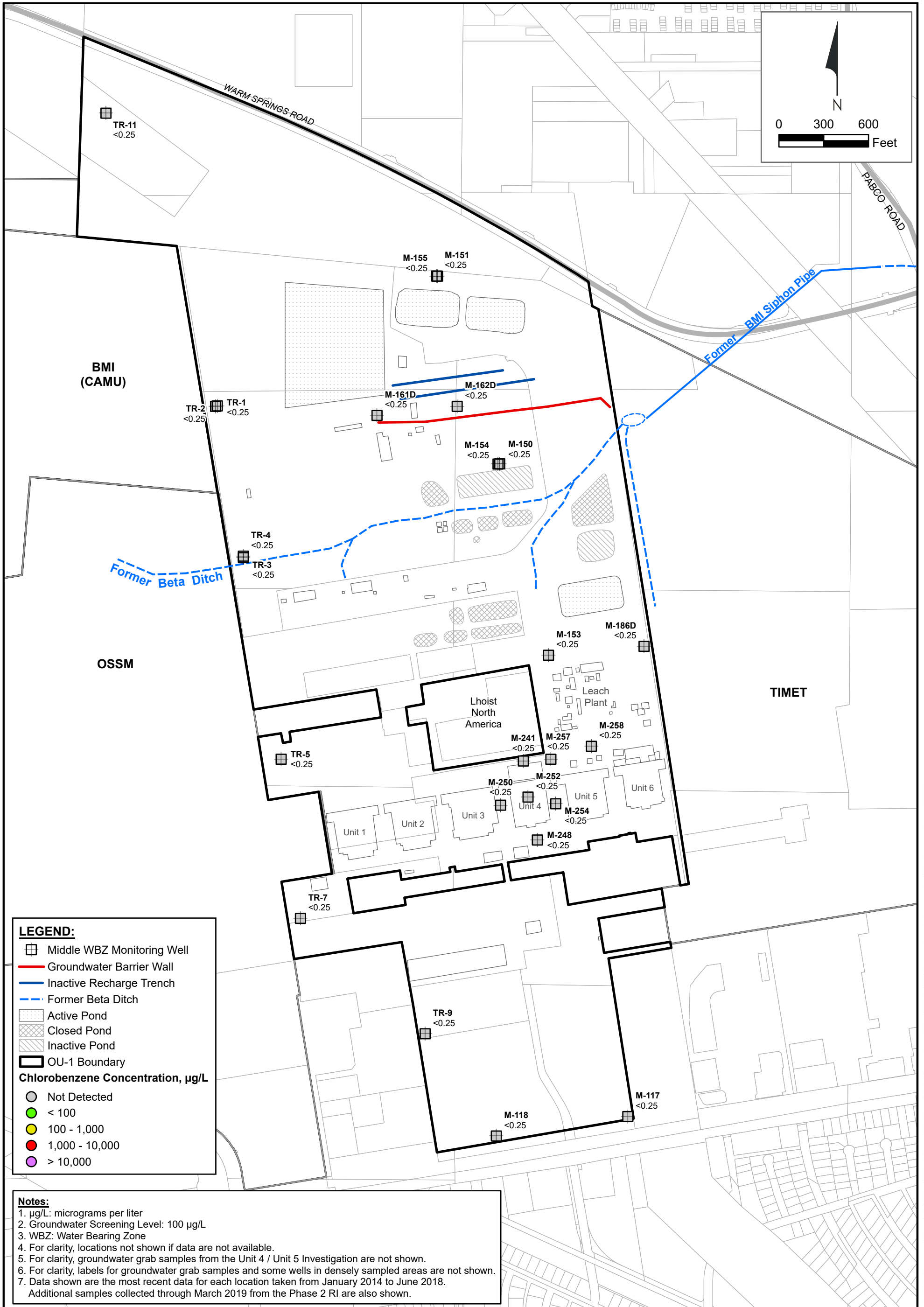
Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-78c Chlorobenzene Lower Shallow



Chlorobenzene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-78d

Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-78d Chlorobenzene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Chlorobenzene Concentration, $\mu\text{g/L}$

- Not Detected
- <math>< 100</math>
- 100 - 1,000
- 1,000 - 10,000
- > 10,000

Notes:

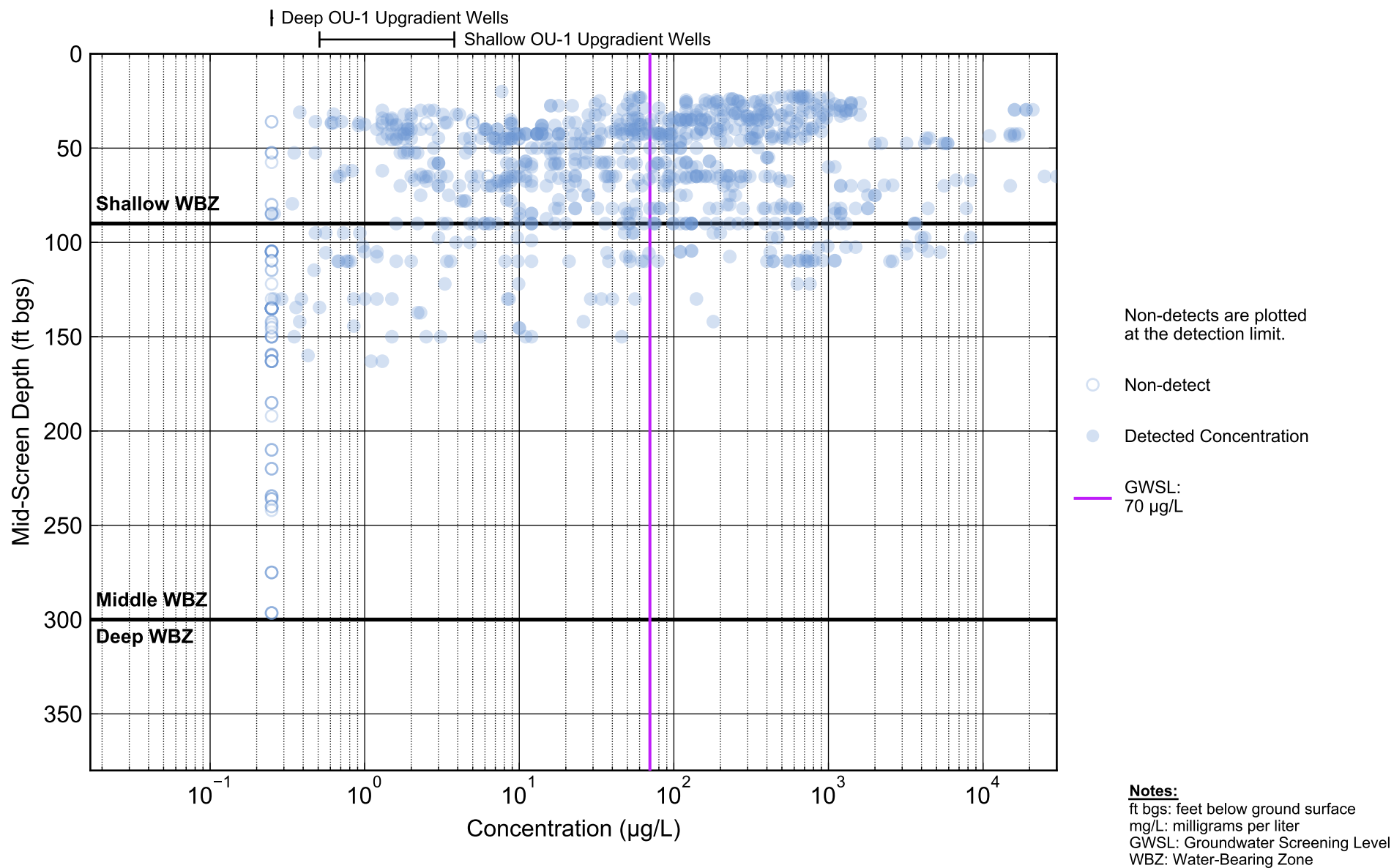
1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: 100 $\mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Chlorobenzene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-78e

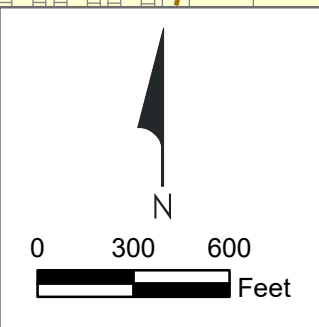
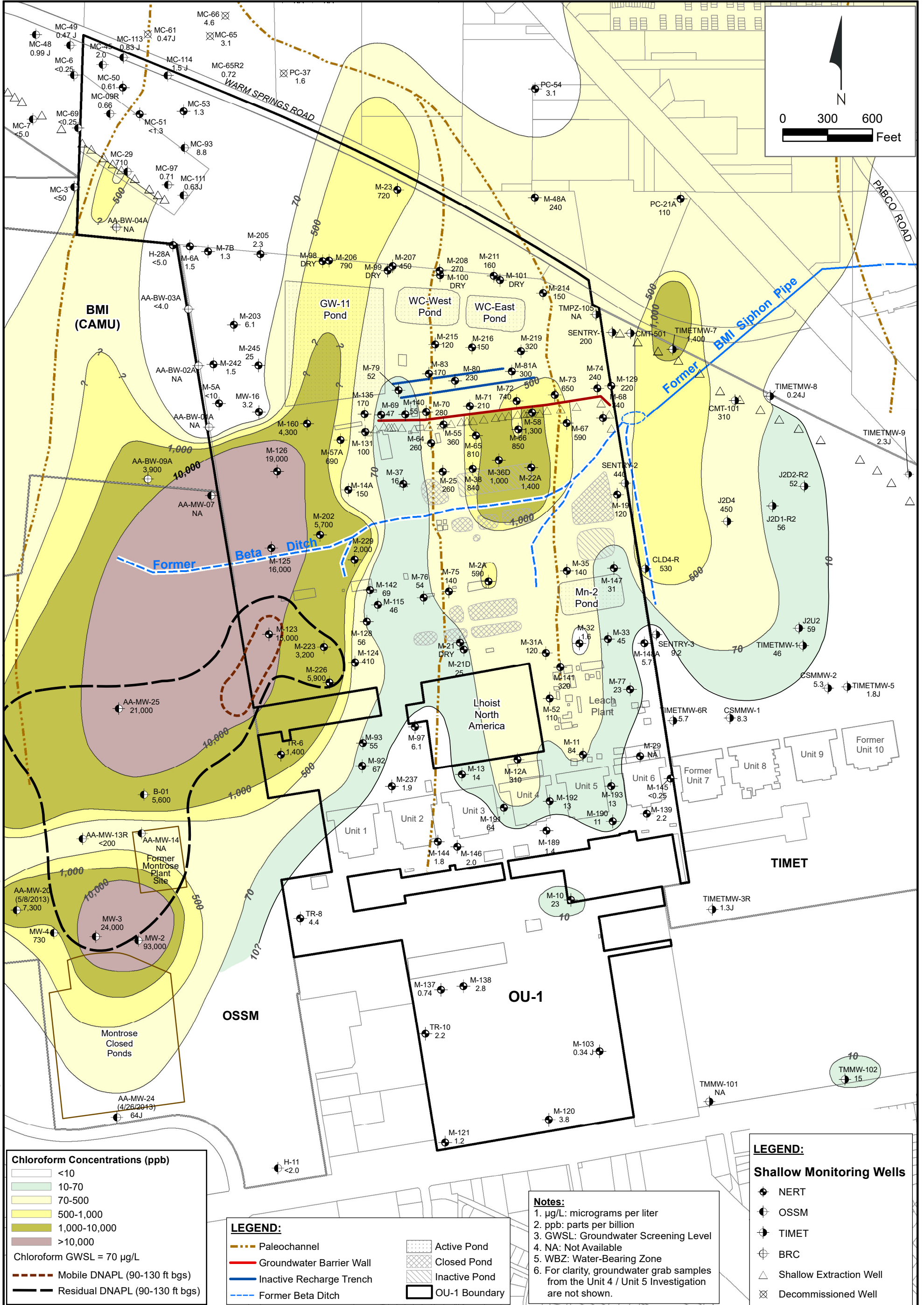
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-78e Chlorobenzene Lower Middle



OU-1 Chloroform Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-79a



Path: H:\LePalomane\NERT\RI_Evaluation\GIS\Chemical Maps\Fig 7-79a_Chloroform Isocon shallow WBZ 0-55ft-2018_no soil gas.mxd

Chloroform Concentrations (ppb)	
[Lightest Green]	<10
[Light Green]	10-70
[Yellow-Green]	70-500
[Yellow]	500-1,000
[Light Orange]	1,000-10,000
[Darkest Orange]	>10,000

Chloroform GWSL = 70 µg/L

[Dashed Line]	Mobile DNAPL (90-130 ft bgs)
[Solid Line]	Residual DNAPL (90-130 ft bgs)

LEGEND:	
[Dotted Line]	Paleochannel
[Red Line]	Groundwater Barrier Wall
[Blue Line]	Inactive Recharge Trench
[Dashed Blue Line]	Former Beta Ditch
[Cross-hatch]	Active Pond
[Diagonal-hatch]	Closed Pond
[Horizontal-hatch]	Inactive Pond
[Black Outline]	OU-1 Boundary

Notes:

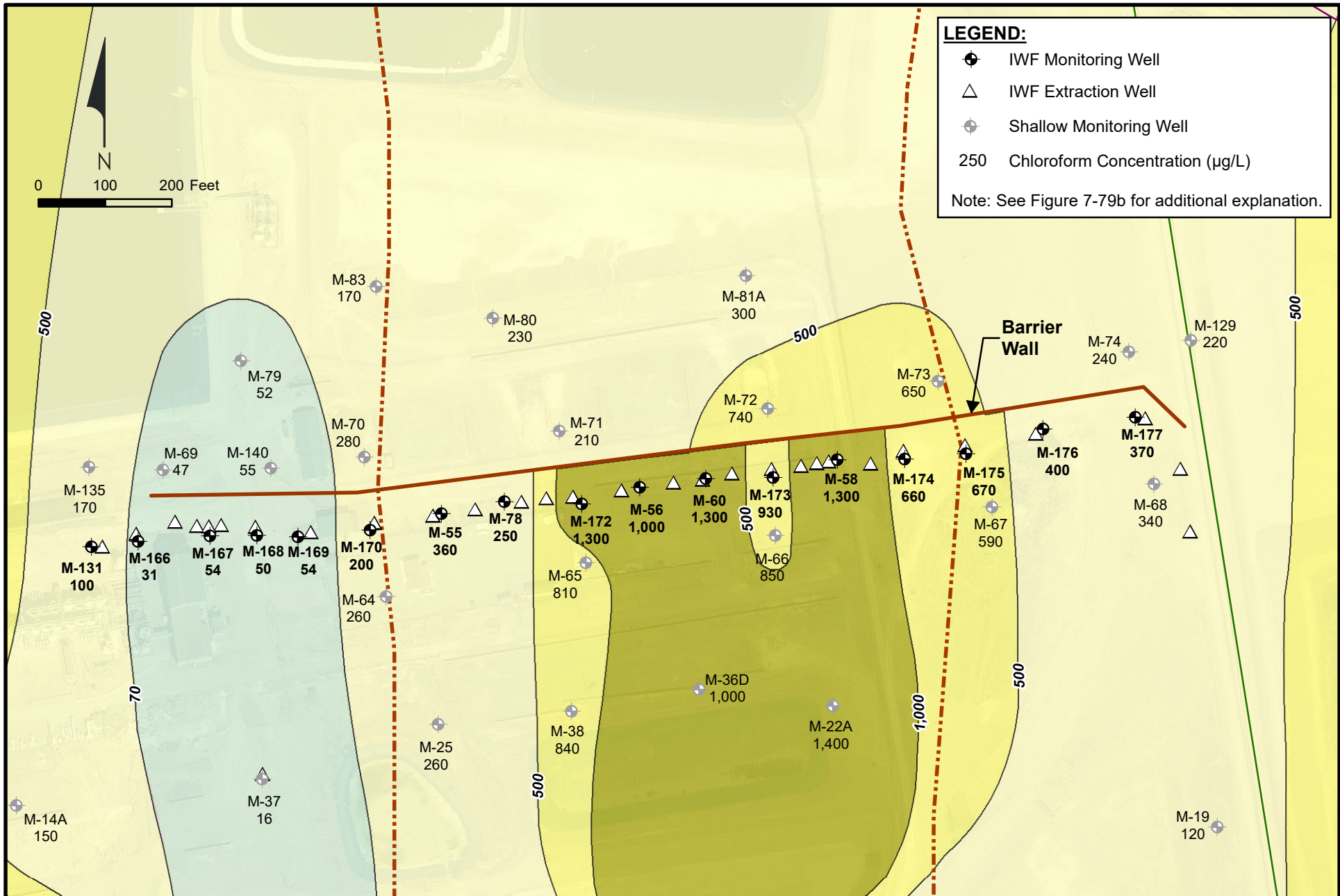
1. µg/L: micrograms per liter
2. ppb: parts per billion
3. GWSL: Groundwater Screening Level
4. NA: Not Available
5. WBZ: Water-Bearing Zone
6. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.

LEGEND:	
[Circle with dot]	NERT
[Circle with cross]	OSSM
[Circle with triangle]	TIMET
[Circle with square]	BRC
[Triangle]	Shallow Extraction Well
[Square with X]	Decommissioned Well



Chloroform Distribution - Shallow WBZ (0-55 ft bgs)
OU-1, 2015-2018
 Nevada Environmental Response Trust Site; Henderson, Nevada

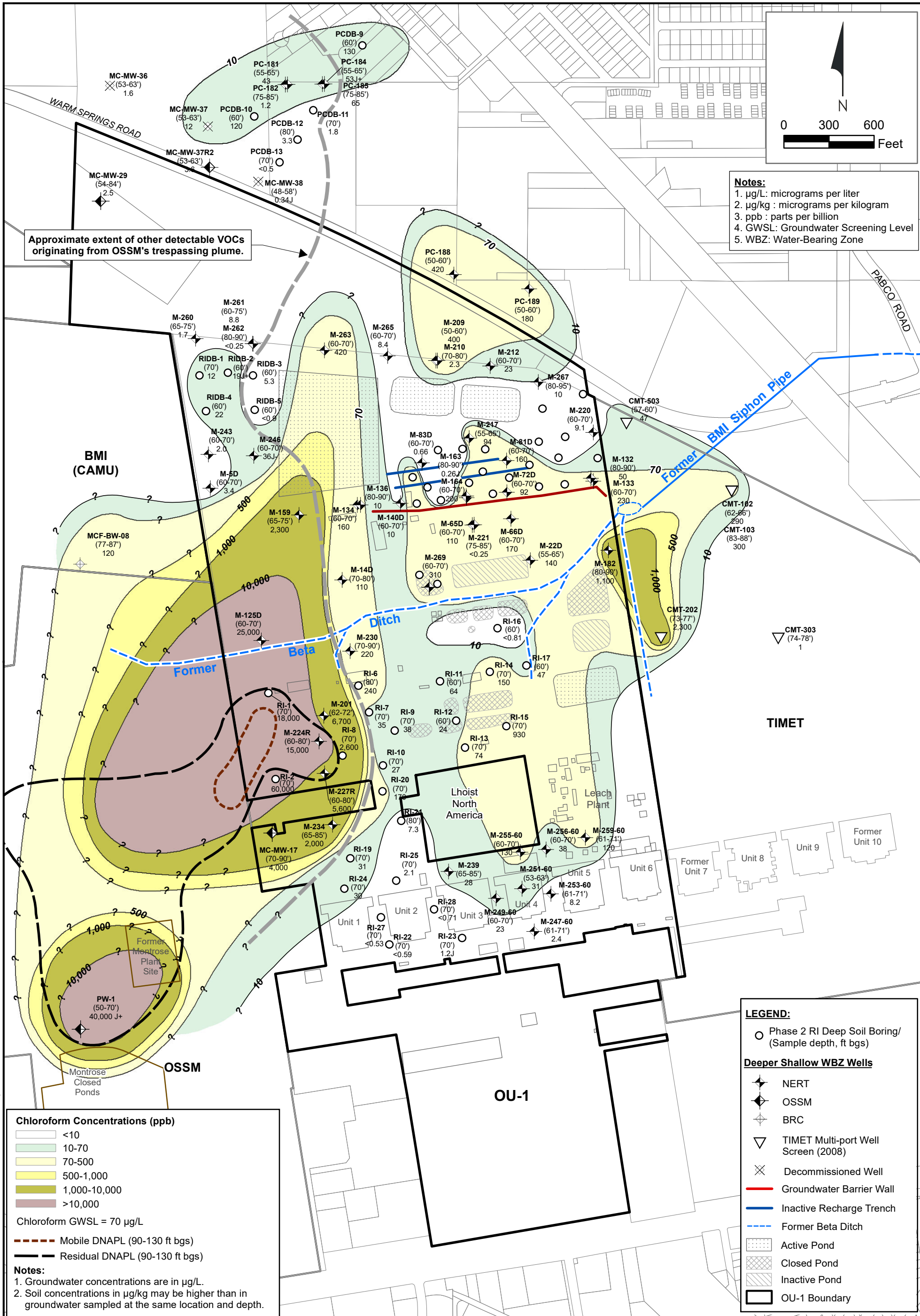
Figure
7-79b



Chloroform Distribution - Shallow WBZ (0-55 ft bgs)
OU-1 Detail, 2015-2018
 Nevada Environmental Response Trust Site; Henderson, Nevada

Figure
7-79c

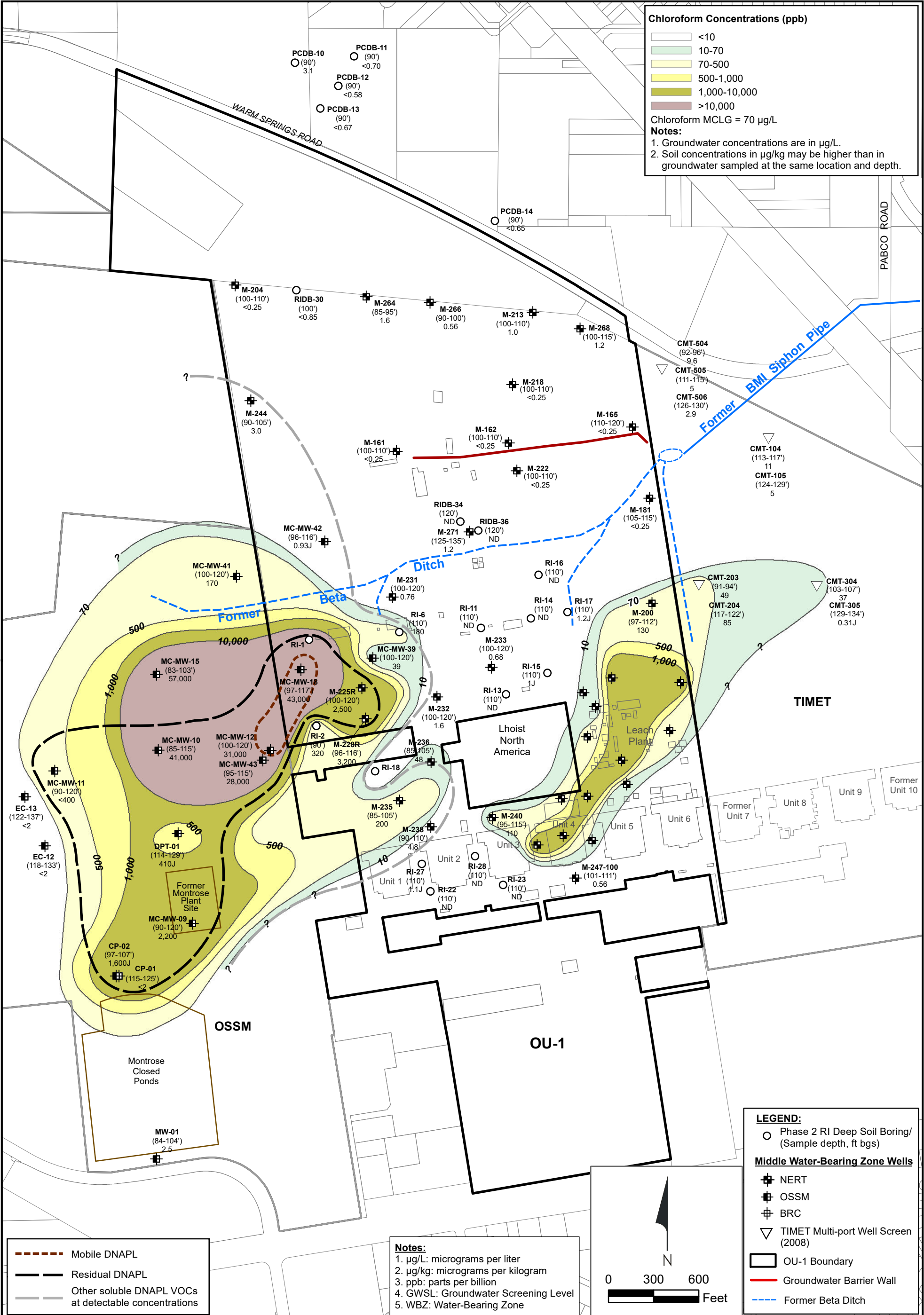
Path: H:\LePetomane\NERT\RI_Evaluation\GIS\Chemical Maps\Fig 7-70b_Chloroform_Distribution-Shallow WBZ 0-55ftbgs.mxd



**Chloroform Distribution - Shallow WBZ (55-90 ft bgs)
 OU-1, 2015-2018**
 Nevada Environmental Response Trust Site; Henderson, Nevada

Figure
7-79d



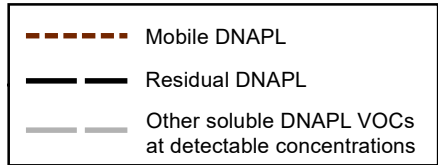
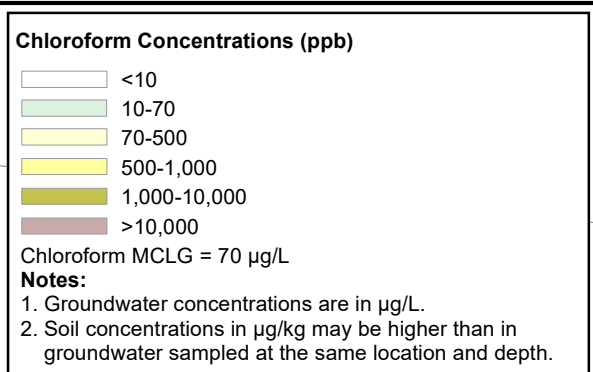


Chloroform Distribution - Middle WBZ (90-130 ft bgs)
OU-1, 2015-2018
 Nevada Environmental Response Trust Site; Henderson, Nevada

Figure
7-79e

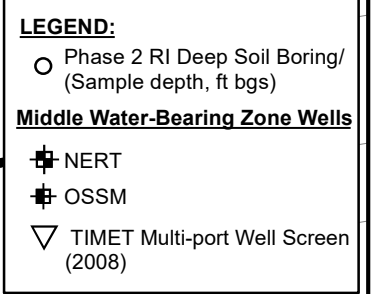
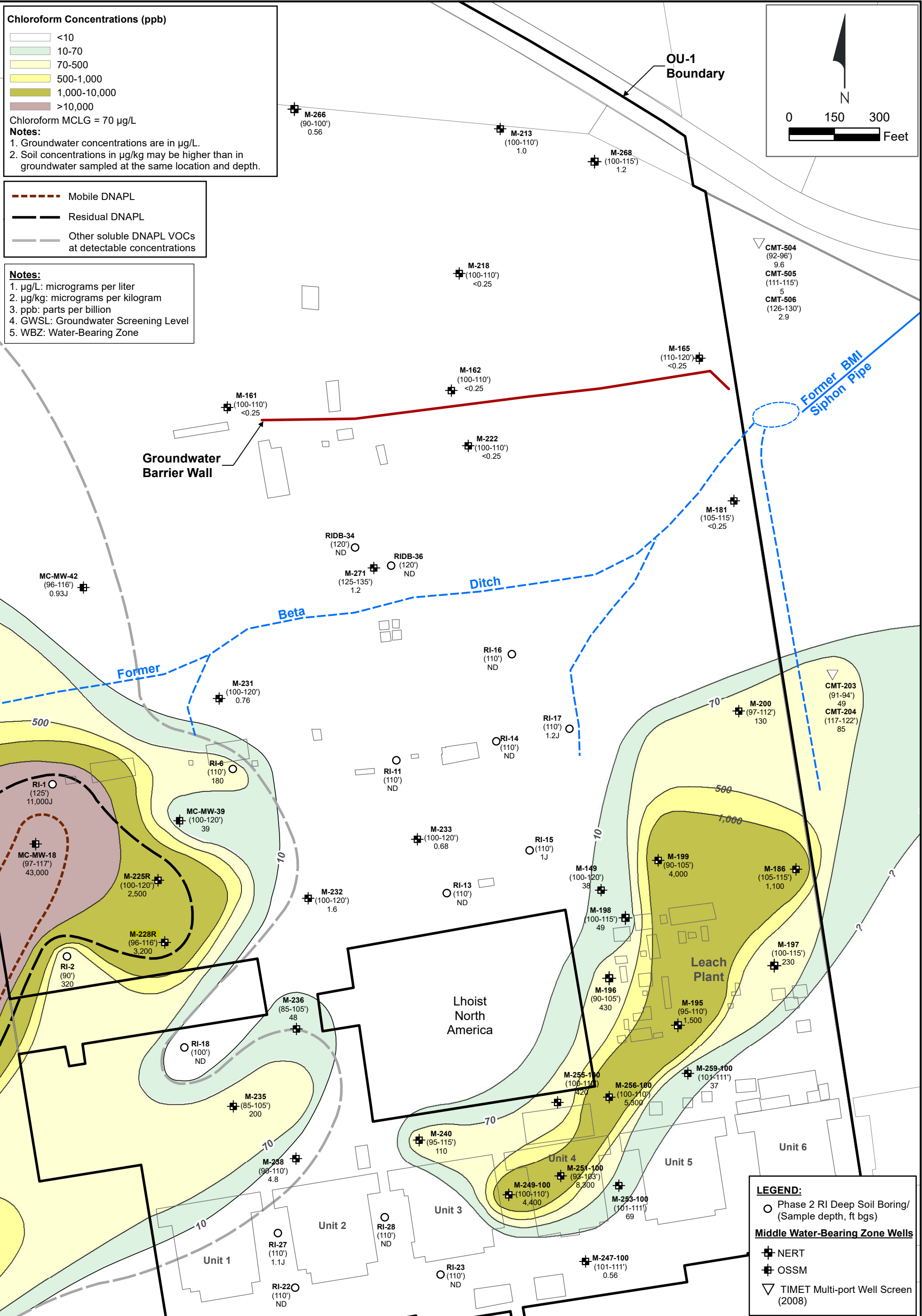
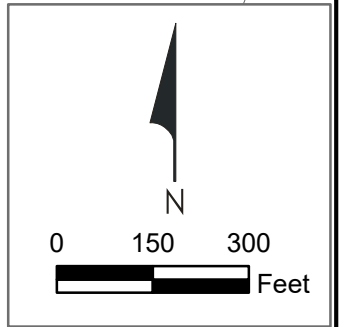


Path: H:\LePalomane\NERT\RI_Evaluation\GIS\Chemical Maps\Fig 7-70d_Chloroform_DprZone_90-130ft-2019_xa_ver4.mxd



Notes:

- µg/L: micrograms per liter
- µg/kg: micrograms per kilogram
- ppb: parts per billion
- GWSL: Groundwater Screening Level
- WBZ: Water-Bearing Zone

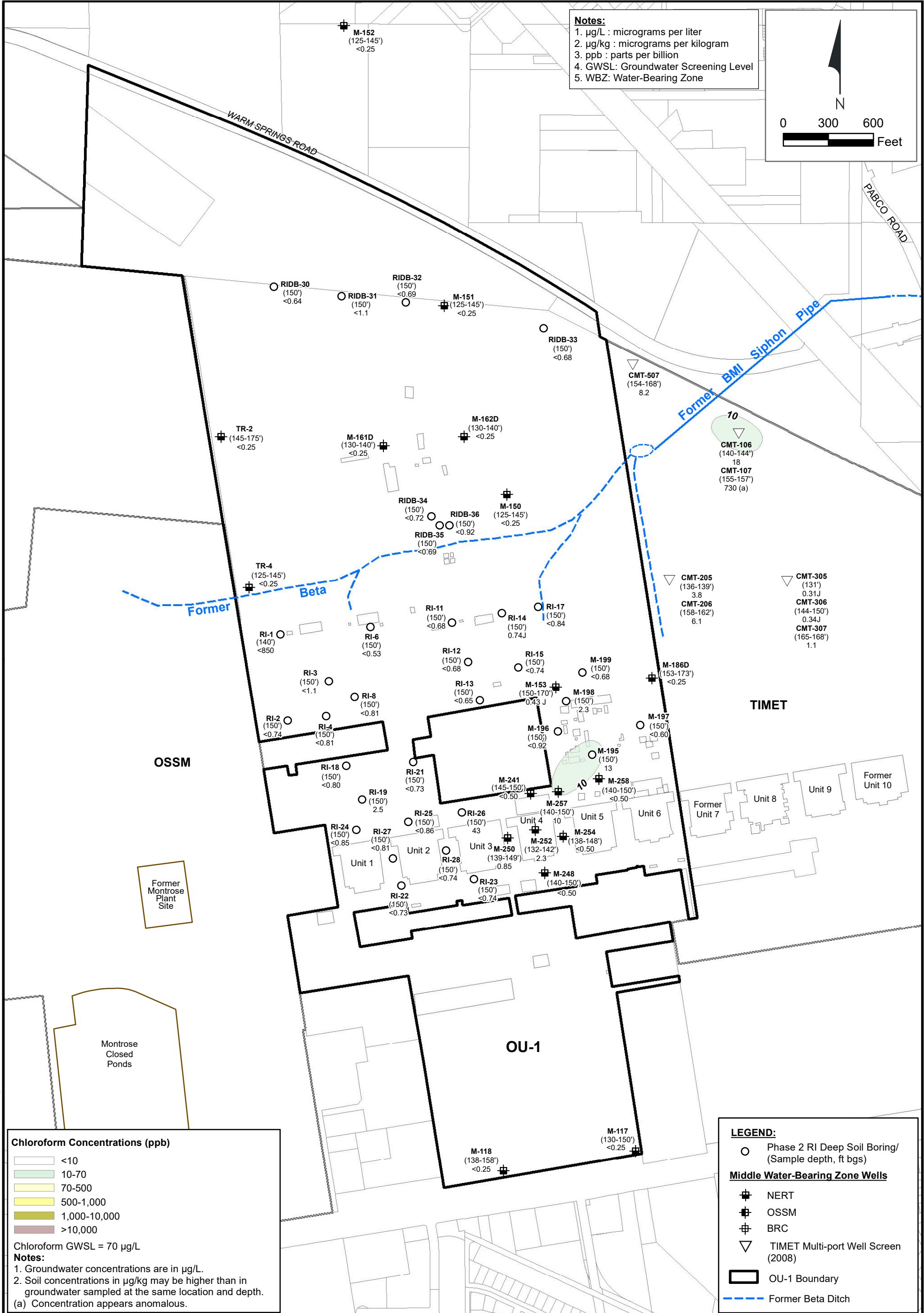


Chloroform Distribution - Middle WBZ (90-130 ft bgs)
OU-1 Detail, 2015-2018
 Nevada Environmental Response Trust Site; Henderson, Nevada

Figure
7-79f



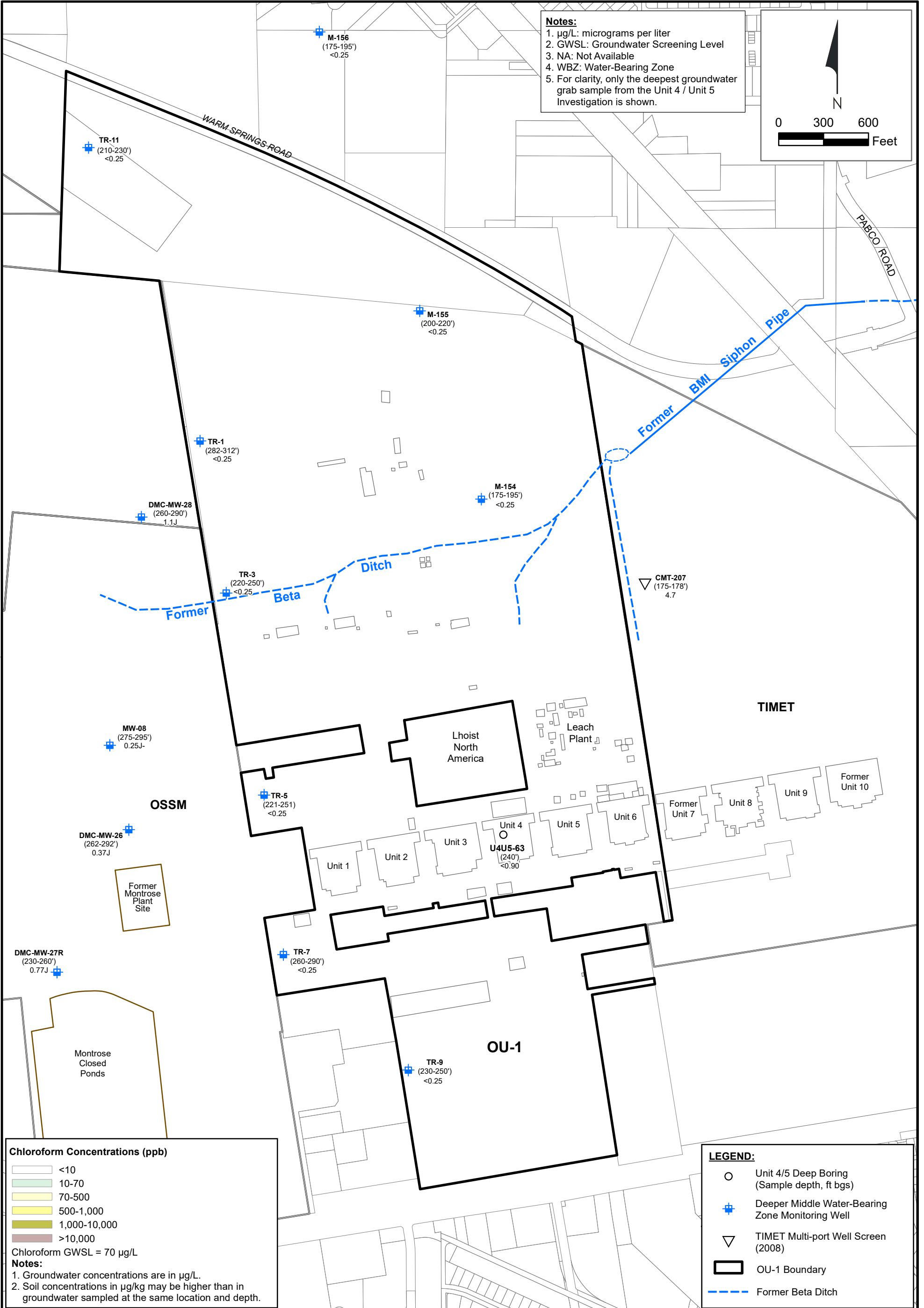
Path: H:\LePalomane\NERT\RI_Evaluation\GIS\Chemical Maps\Fig 7-70d_Chloroform_DprZone_90-130ft-2019_xb_ver2.mxd



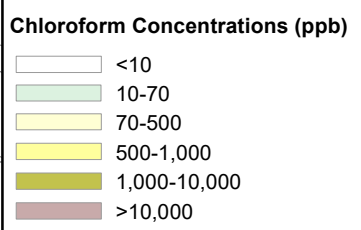
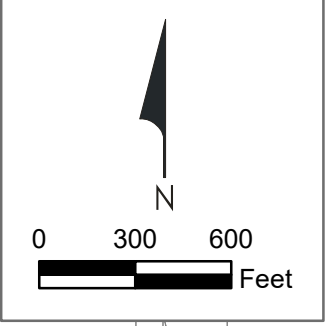
Chloroform Distribution - Middle WBZ (130-175 ft bgs)
OU-1, 2015-2018
 Nevada Environmental Response Trust Site; Henderson, Nevada

Figure
7-79g

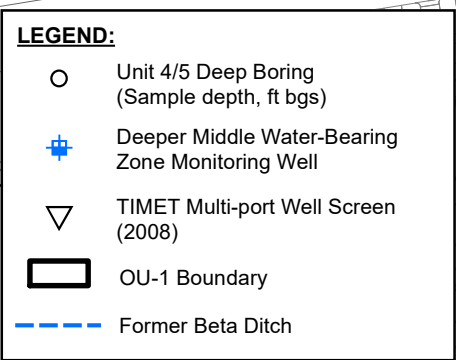




Notes:
 1. µg/L: micrograms per liter
 2. GWSL: Groundwater Screening Level
 3. NA: Not Available
 4. WBZ: Water-Bearing Zone
 5. For clarity, only the deepest groundwater grab sample from the Unit 4 / Unit 5 Investigation is shown.



Chloroform GWSL = 70 µg/L
Notes:
 1. Groundwater concentrations are in µg/L.
 2. Soil concentrations in µg/kg may be higher than in groundwater sampled at the same location and depth.

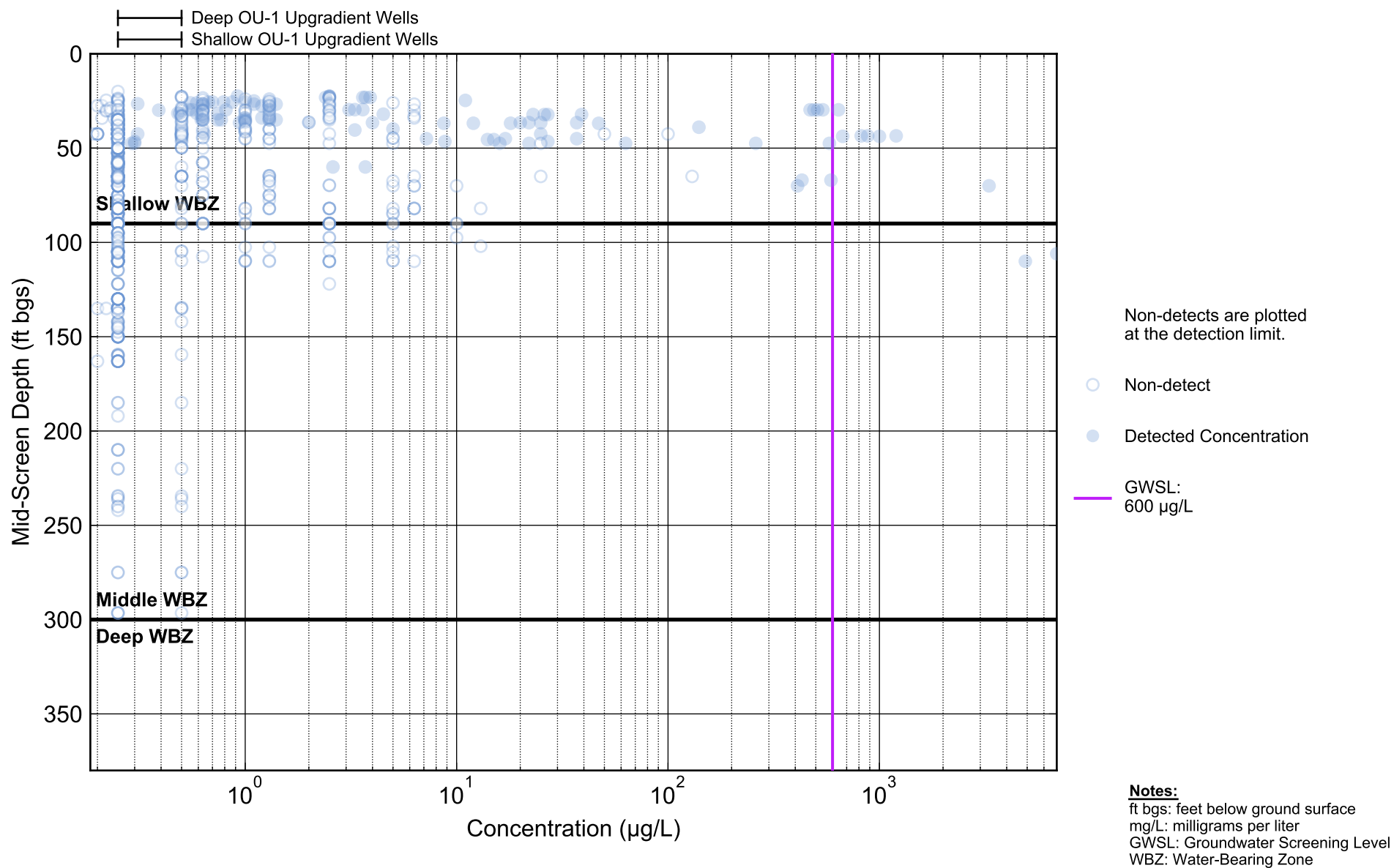


**Chloroform Distribution - Middle WBZ (175-300 ft bgs)
 OU-1, 2015-2018**
 Nevada Environmental Response Trust Site; Henderson, Nevada



Figure
7-79h

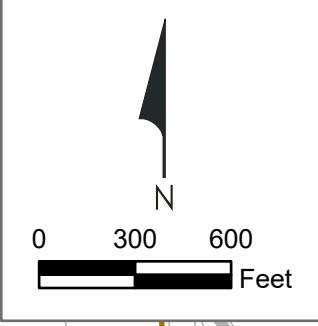
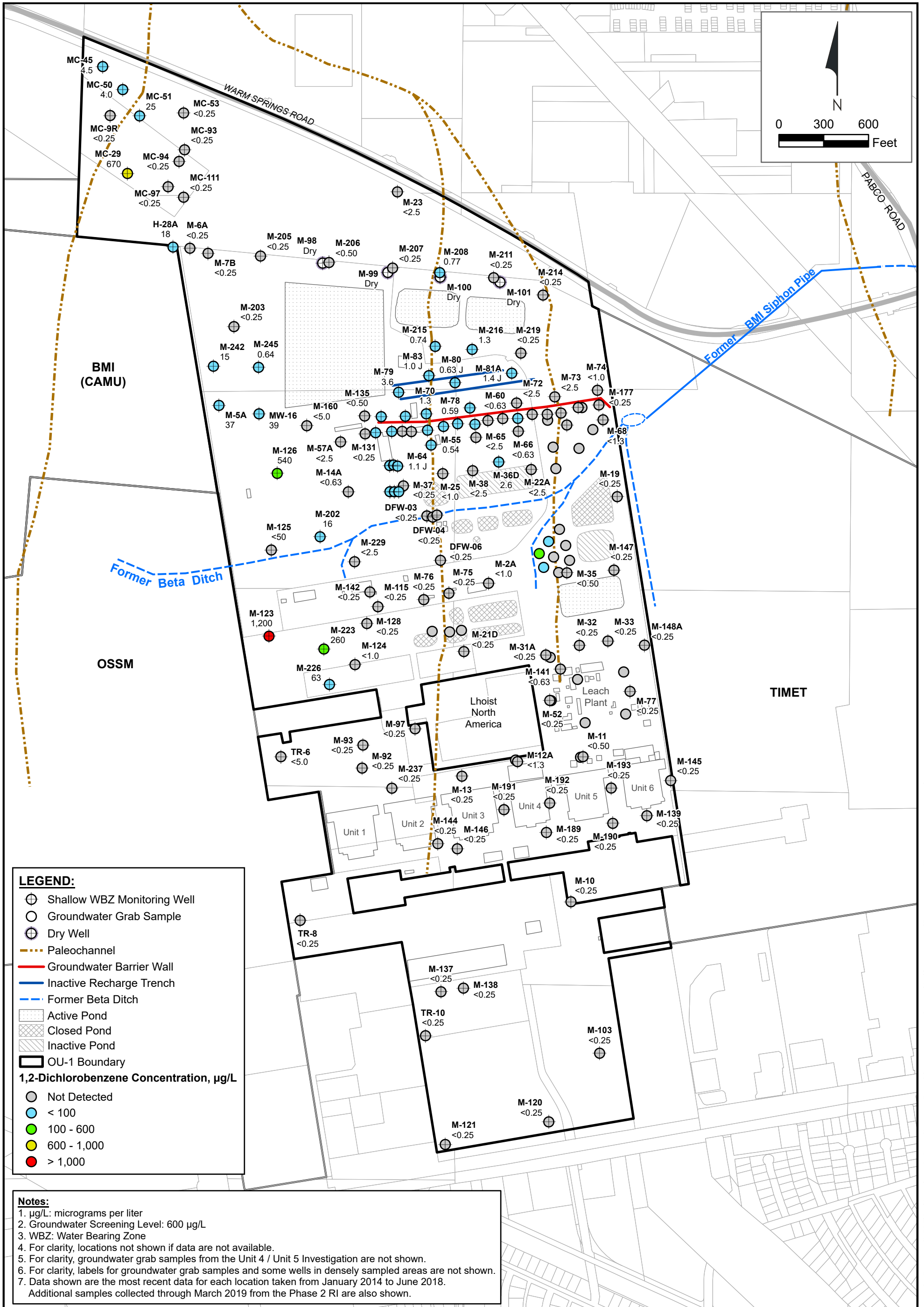
Path: H:\LePalomane\NERT\RI_Evaluation\GIS\Chemical Maps\Fig 7-79g_Chloroform_Dpr\MiddleZone175-300ft-2019.mxd



OU-1 1,2-Dichlorobenzene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

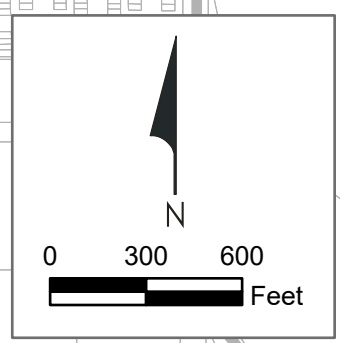
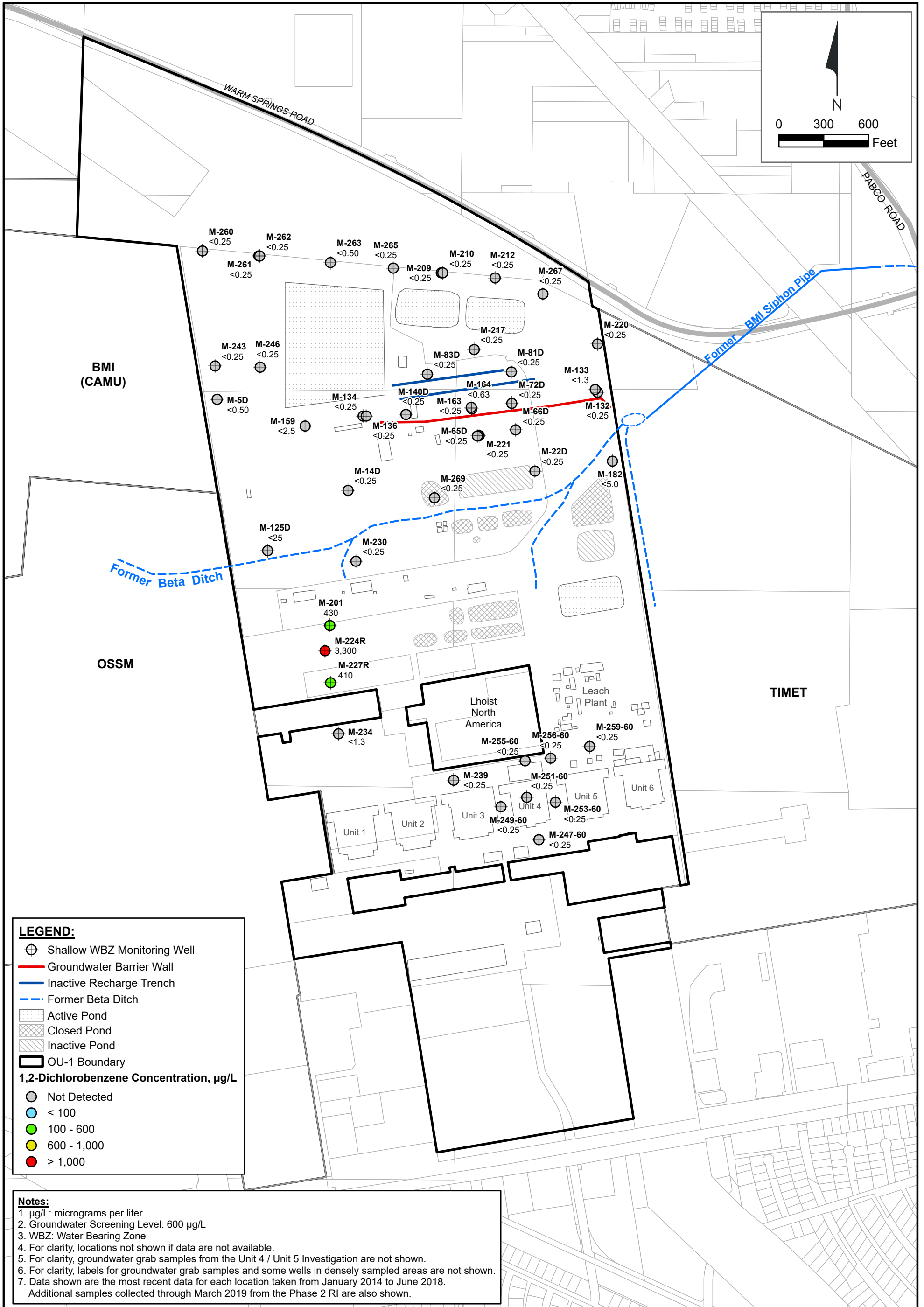
7-80a



1,2-Dichlorobenzene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-80b

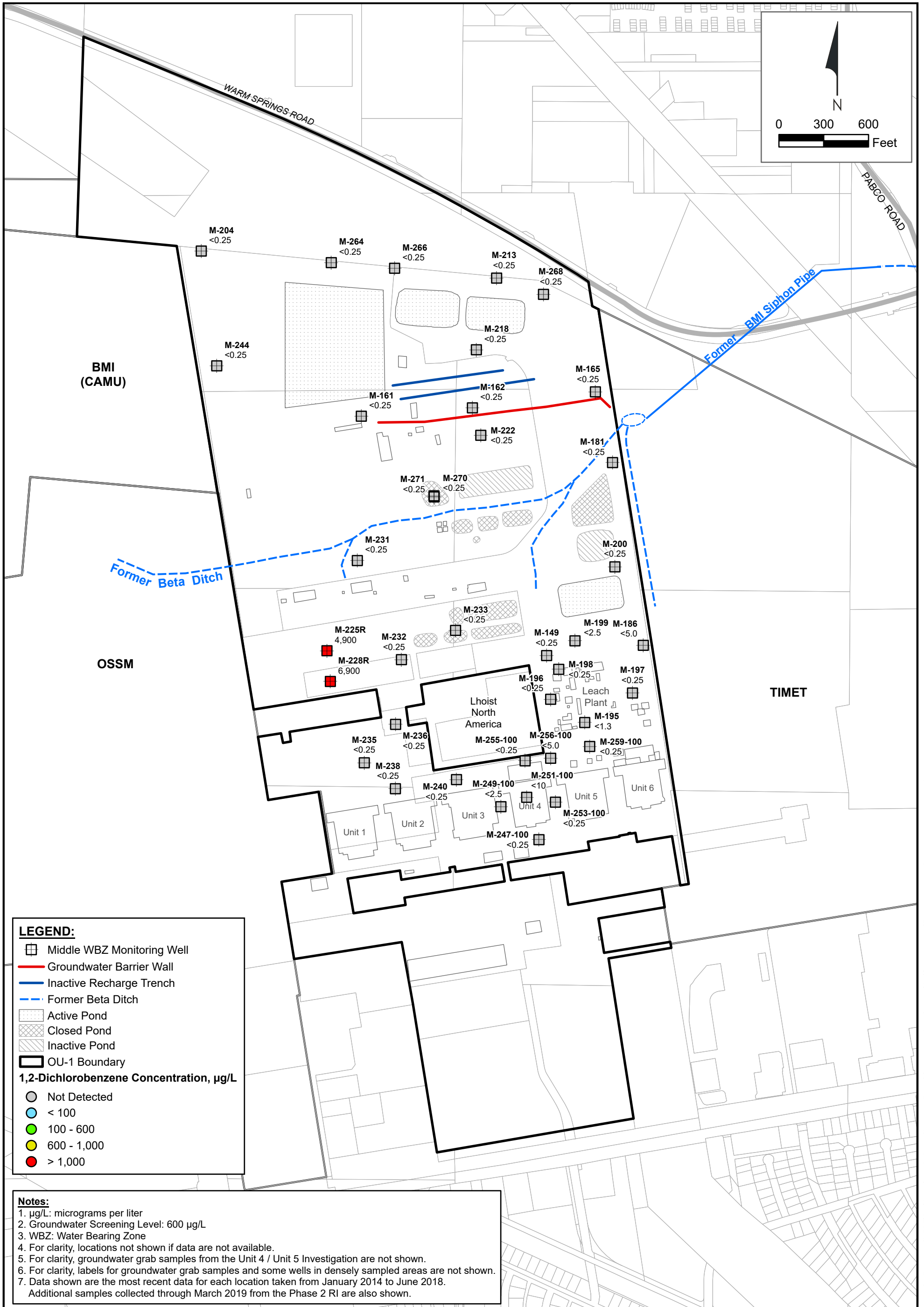
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-80b 1,2-Dichlorobenzene Upper Shallow



1,2-Dichlorobenzene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-80c

Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-80c 1,2-Dichlorobenzene Lower Shallow



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,2-Dichlorobenzene Concentration, µg/L

- Not Detected
- < 100
- 100 - 600
- 600 - 1,000
- > 1,000

Notes:

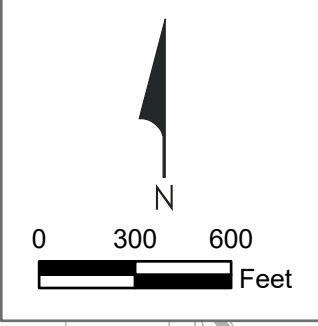
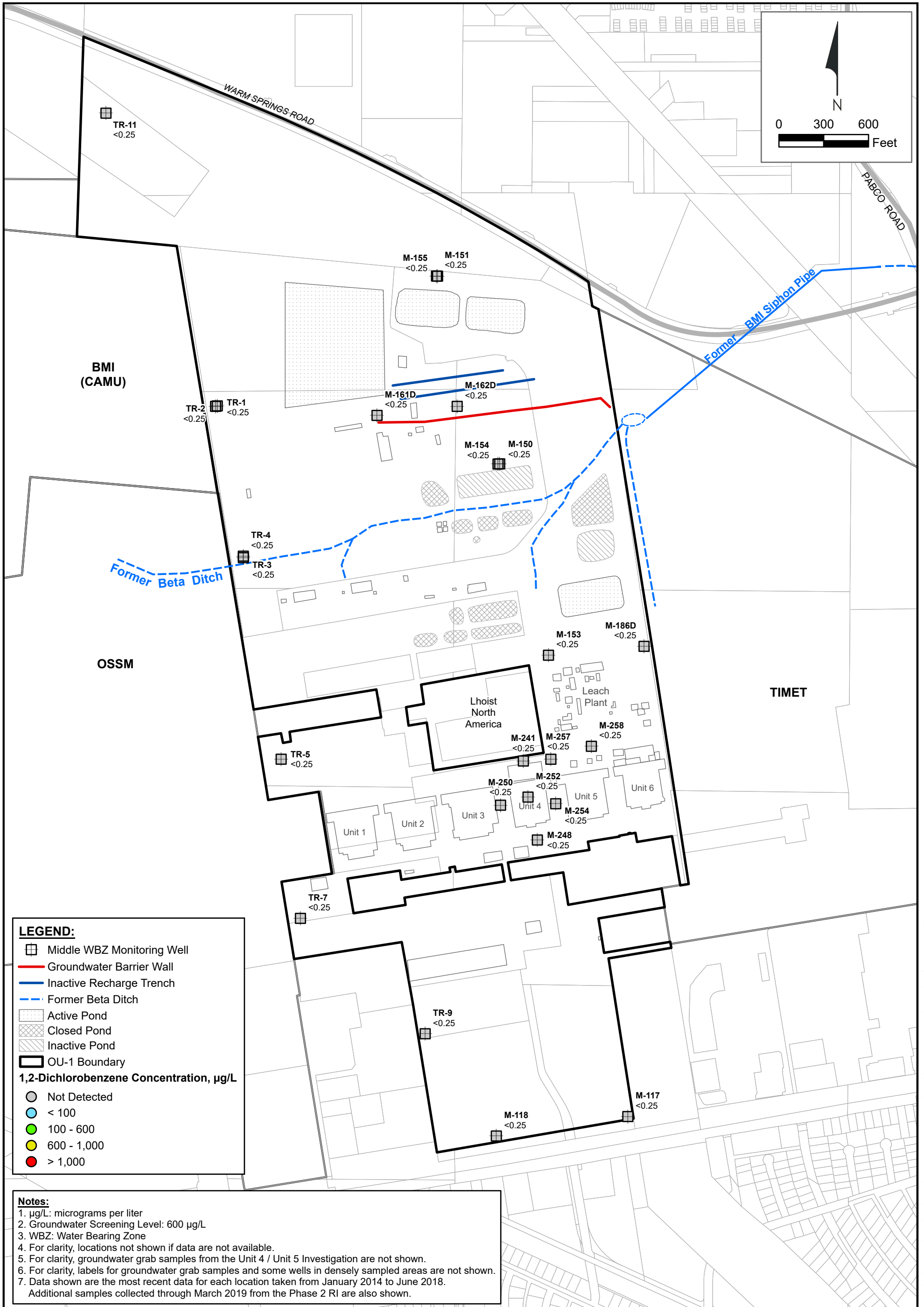
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 600 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,2-Dichlorobenzene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-80d

Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-80d 1,2-Dichlorobenzene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,2-Dichlorobenzene Concentration, µg/L

- Not Detected
- < 100
- 100 - 600
- 600 - 1,000
- > 1,000

Notes:

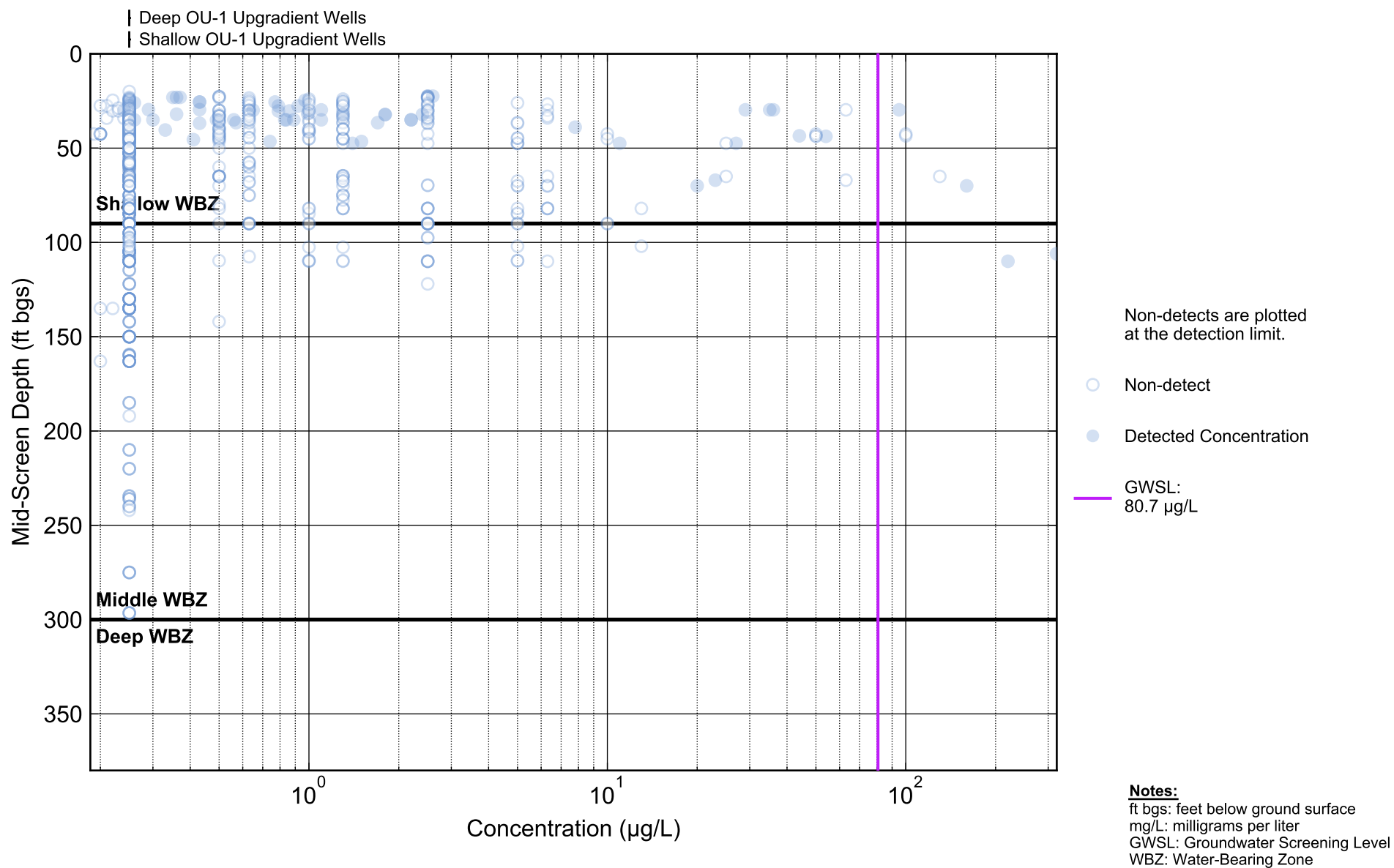
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 600 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,2-Dichlorobenzene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-80e

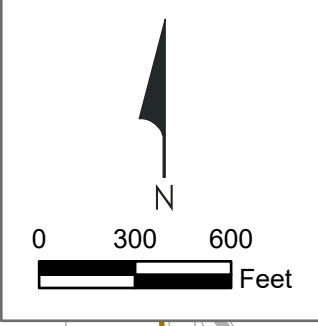
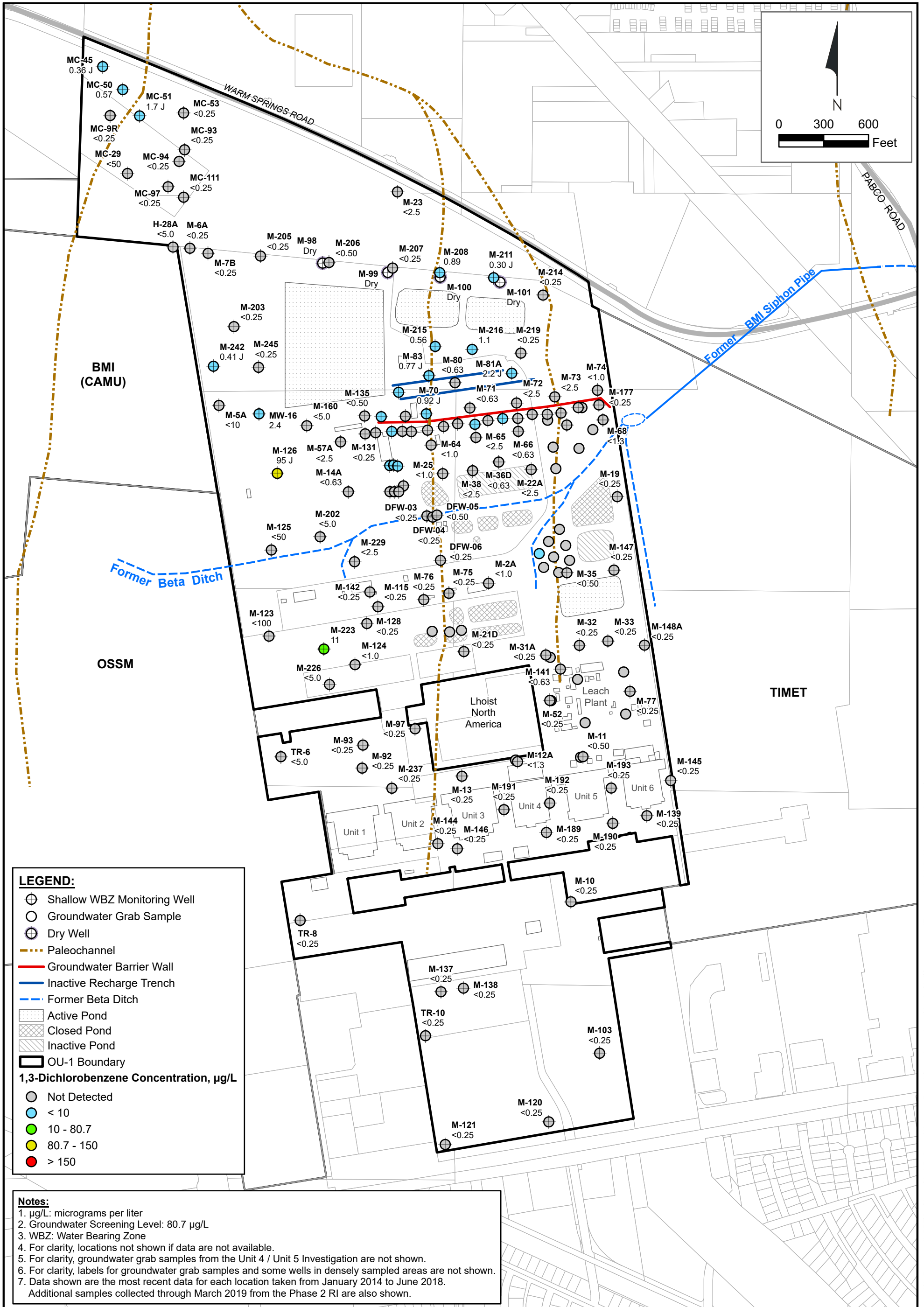
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OU-1 1,3-Dichlorobenzene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

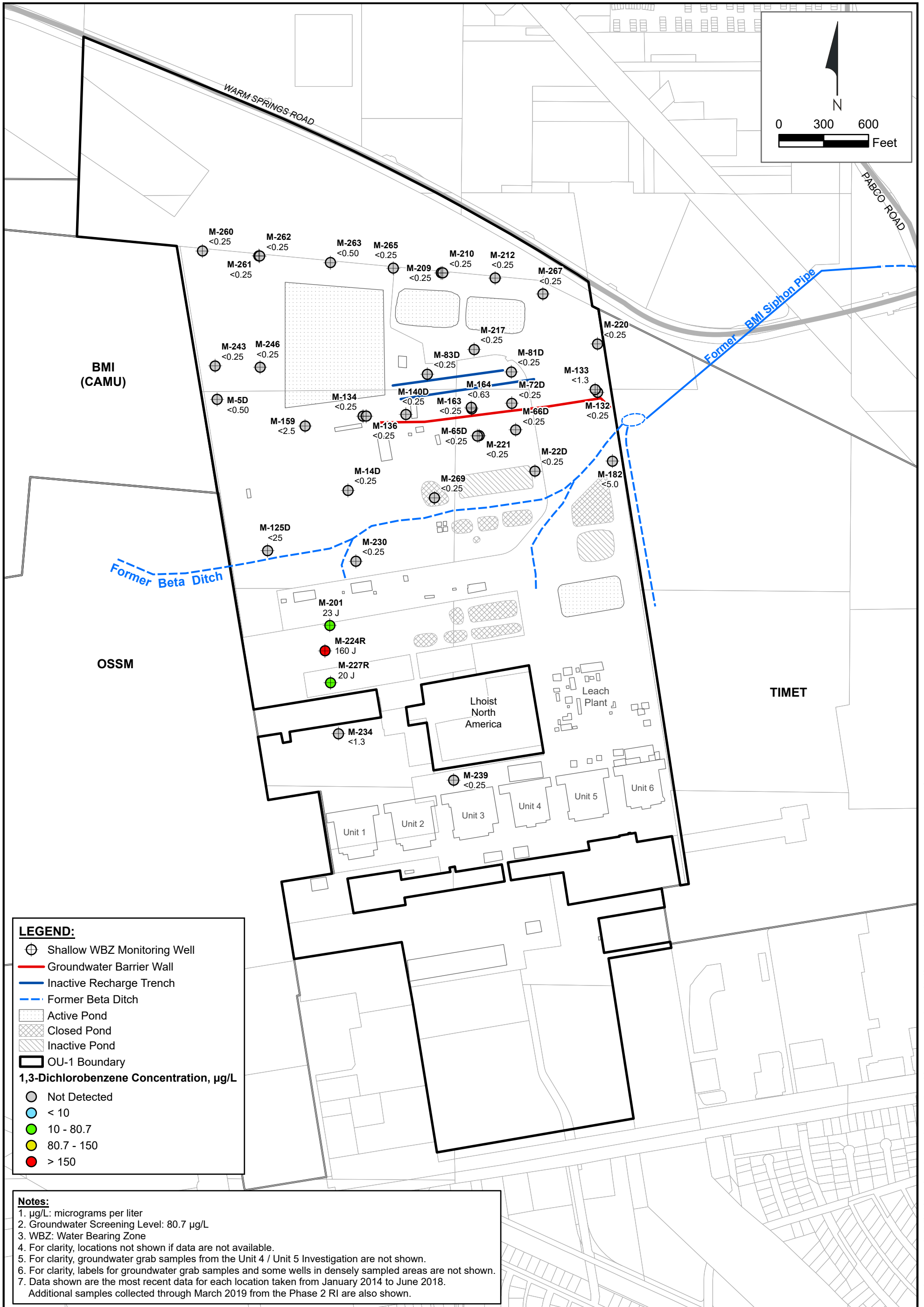
7-81a



1,3-Dichlorobenzene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-81b

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-81b 1,3-Dichlorobenzene Upper Shallow



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary
- 1,3-Dichlorobenzene Concentration, µg/L**
- Not Detected
- < 10
- 10 - 80.7
- 80.7 - 150
- > 150

Notes:

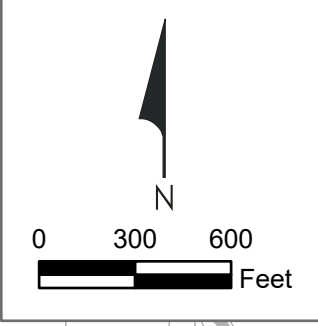
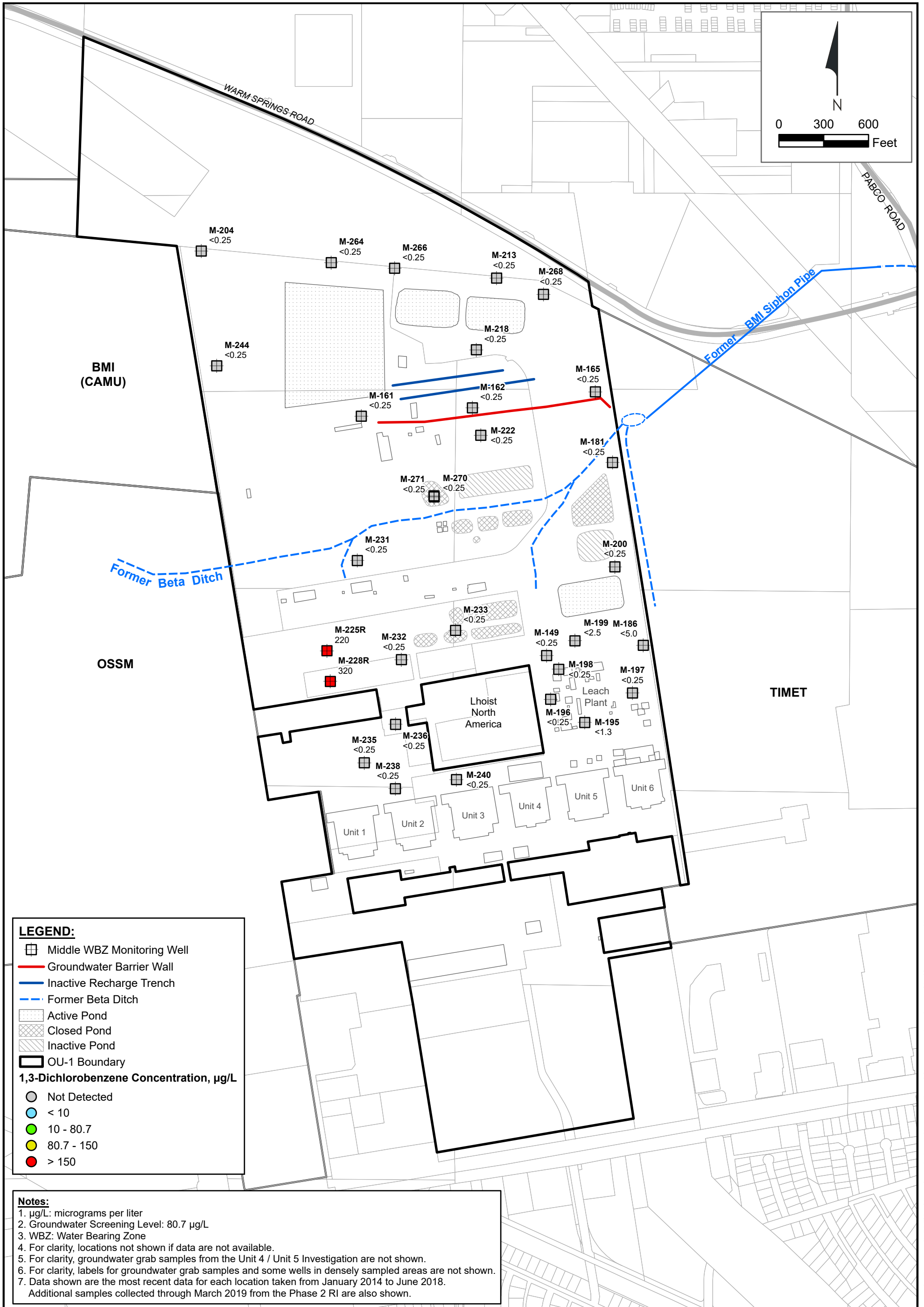
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 80.7 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,3-Dichlorobenzene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-81c

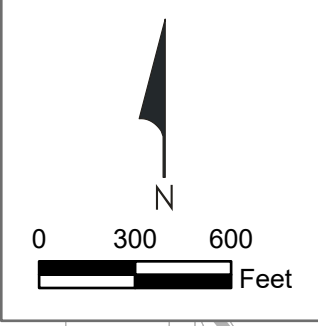
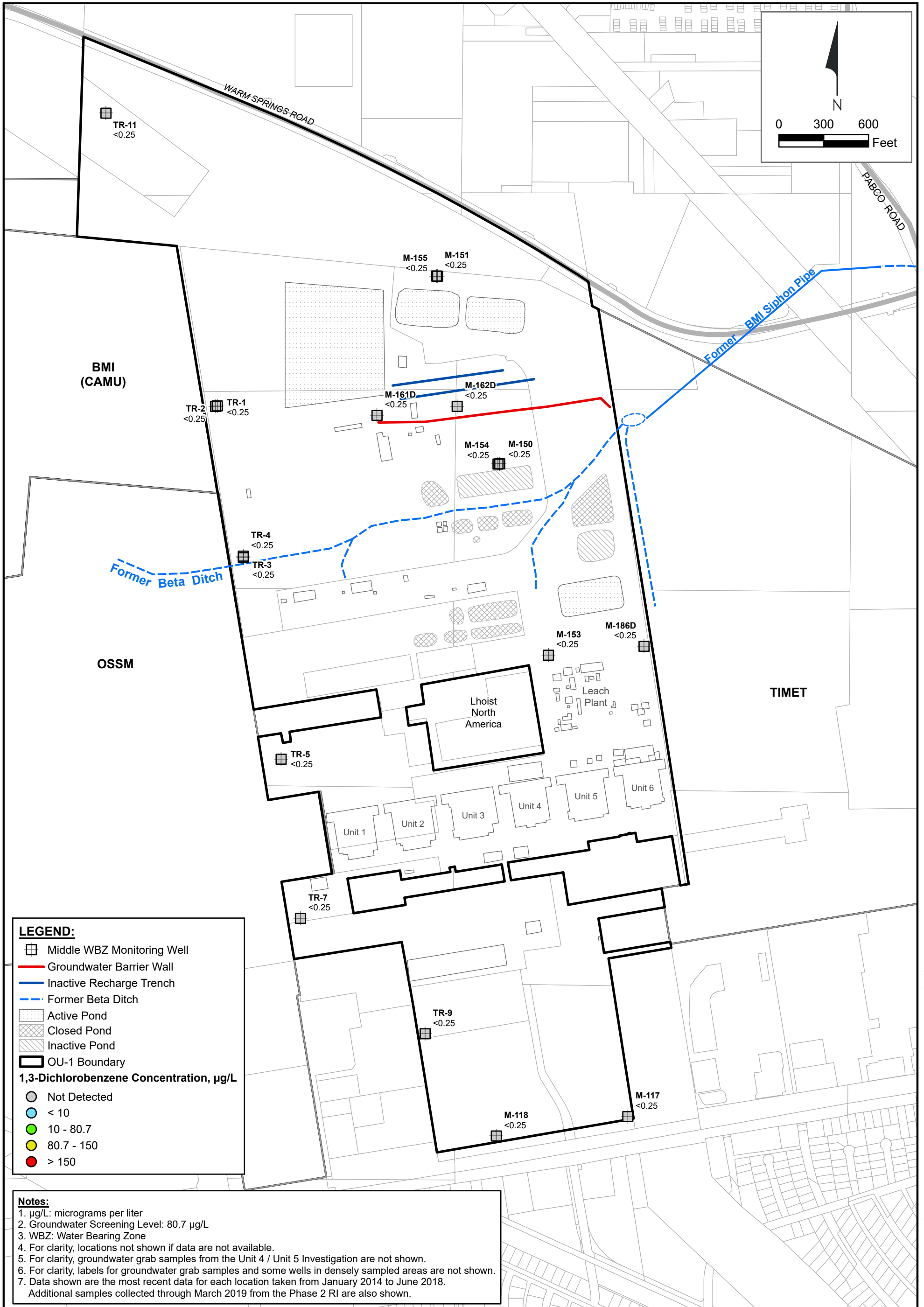
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-81c 1,3-Dichlorobenzene Lower Shallow



1,3-Dichlorobenzene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-81d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-81d 1,3-Dichlorobenzene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,3-Dichlorobenzene Concentration, µg/L

- Not Detected
- < 10
- 10 - 80.7
- 80.7 - 150
- > 150

Notes:

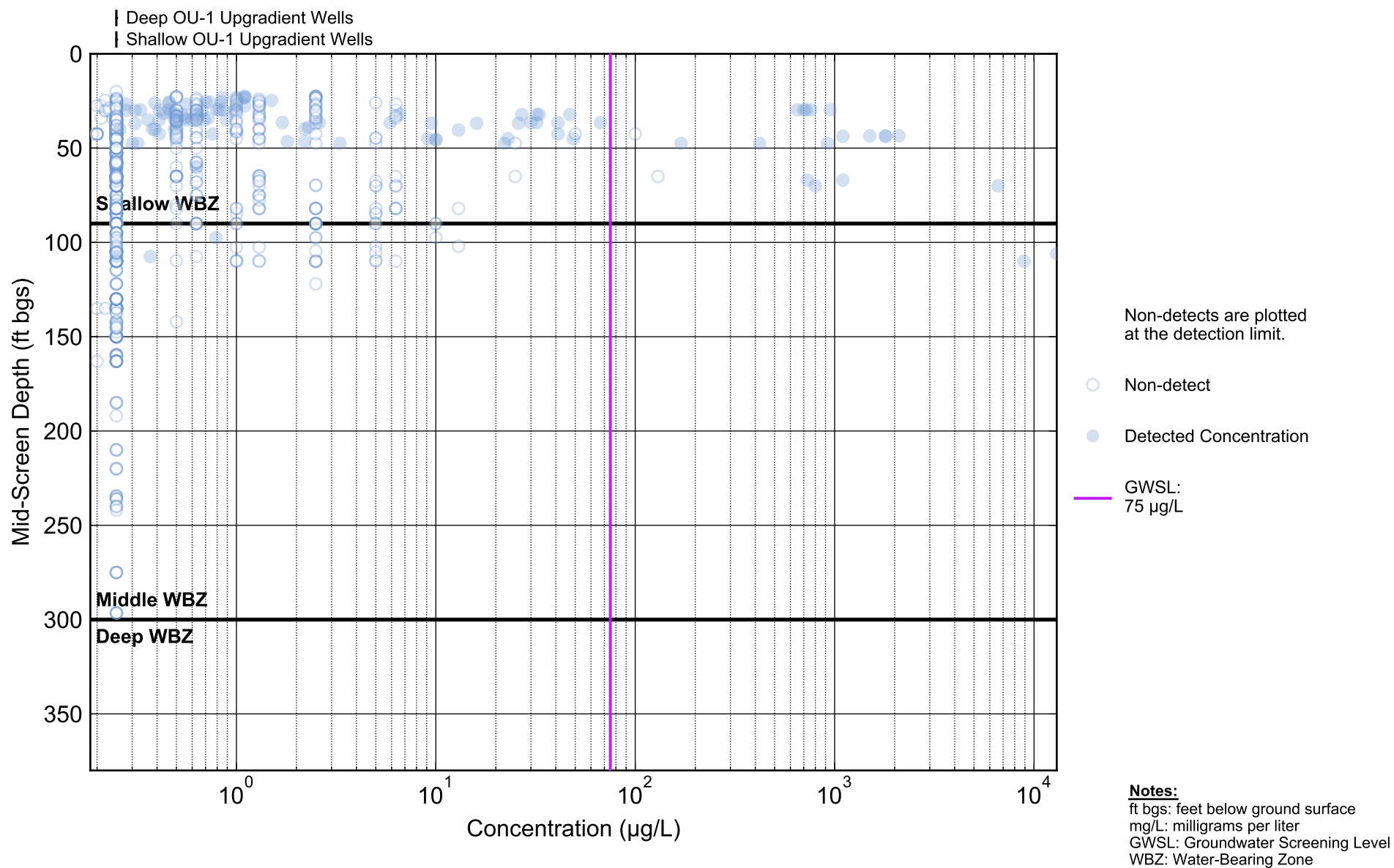
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 80.7 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,3-Dichlorobenzene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-81e

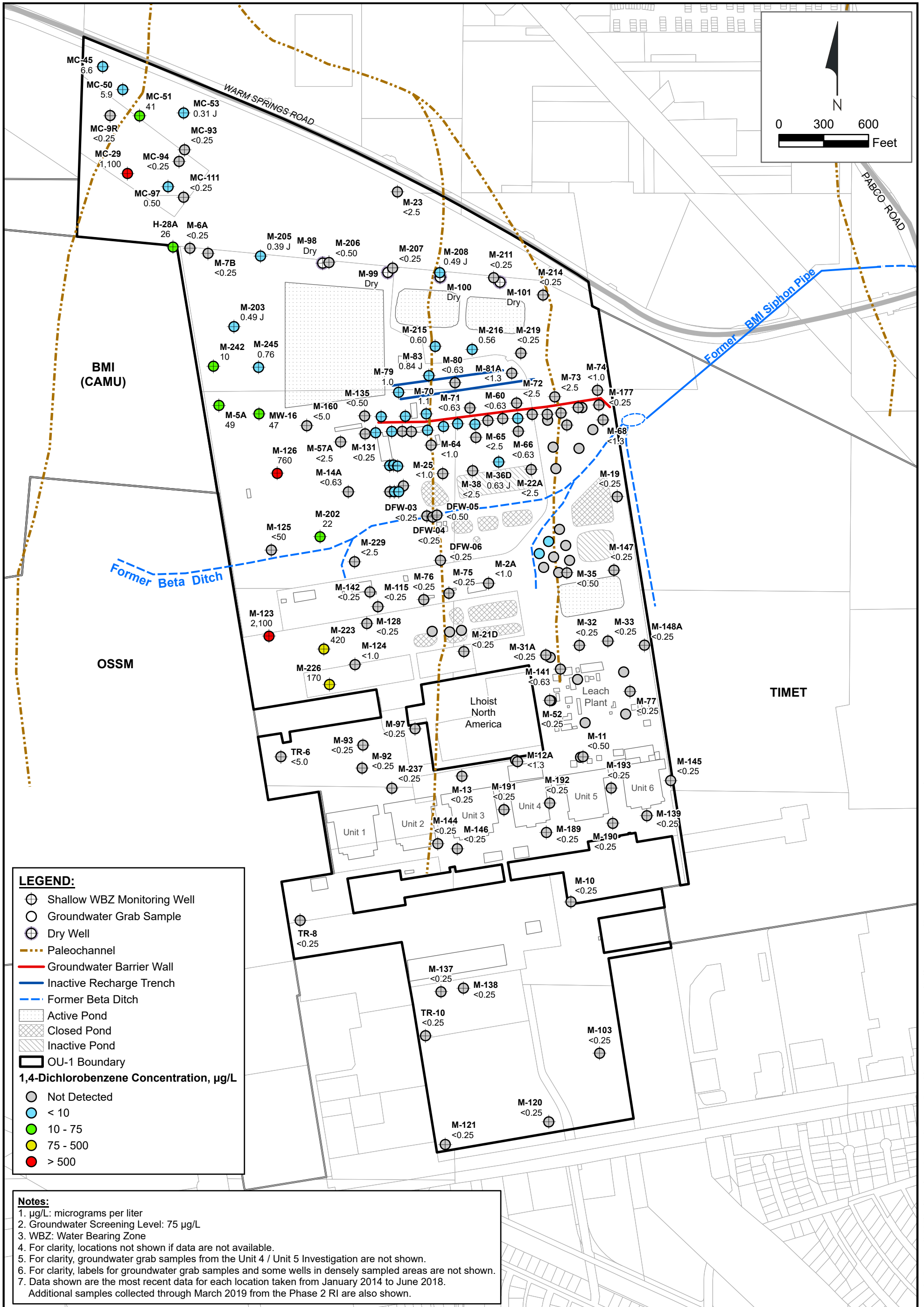
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-81e 1,3-Dichlorobenzene Lower Middle



OU-1 1,4-Dichlorobenzene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-82a



1,4-Dichlorobenzene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-82b

Drafter: JC

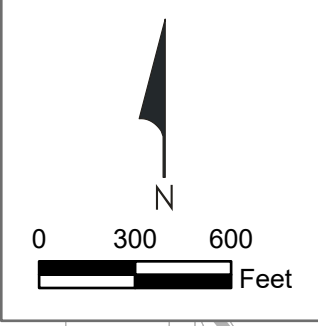
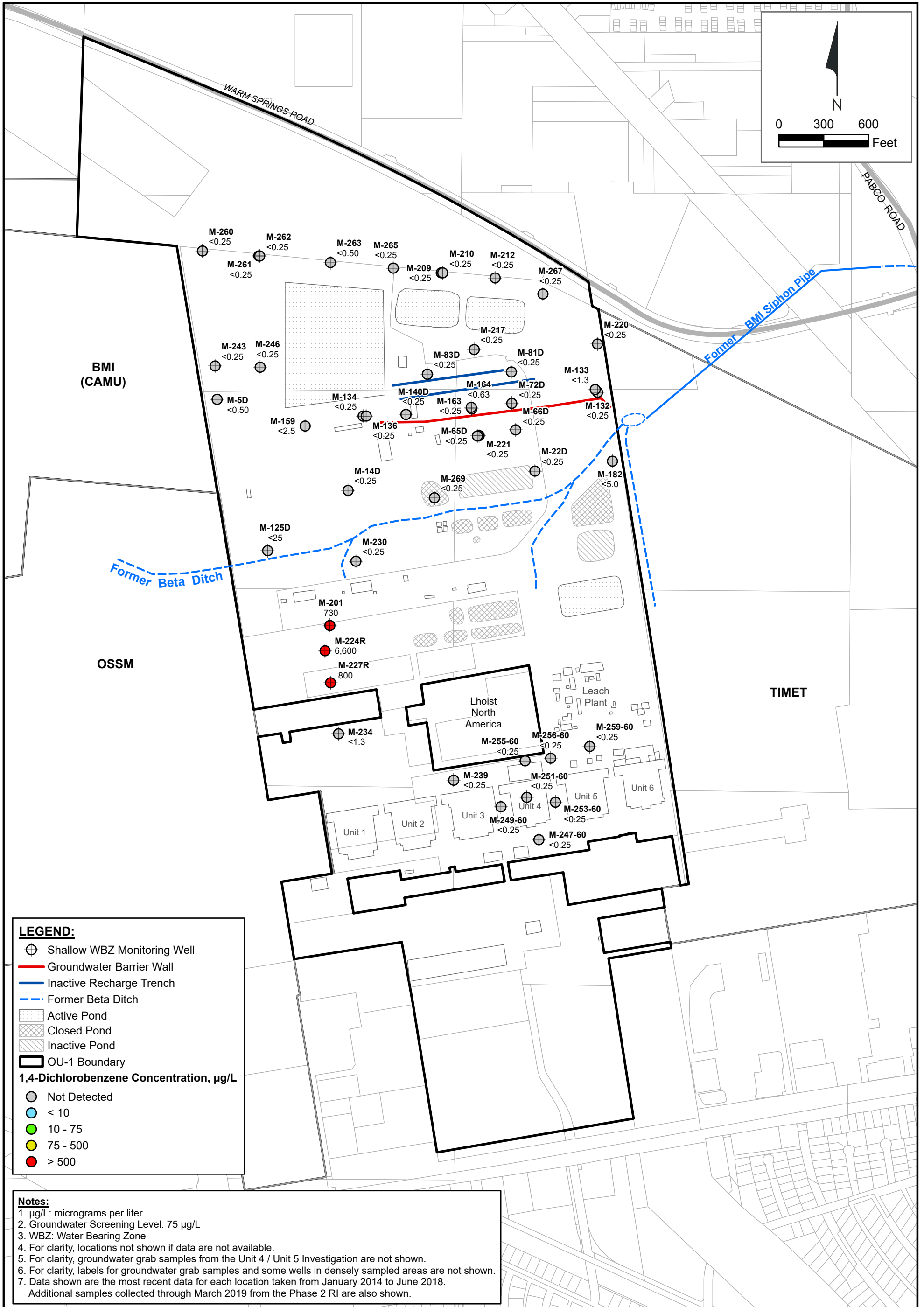
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-82b 1,4-Dichlorobenzene Upper Shallow



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

1,4-Dichlorobenzene Concentration, µg/L

- Not Detected
- < 10
- 10 - 75
- 75 - 500
- > 500

Notes:

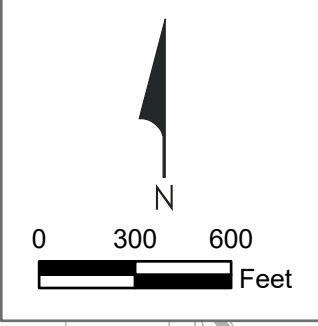
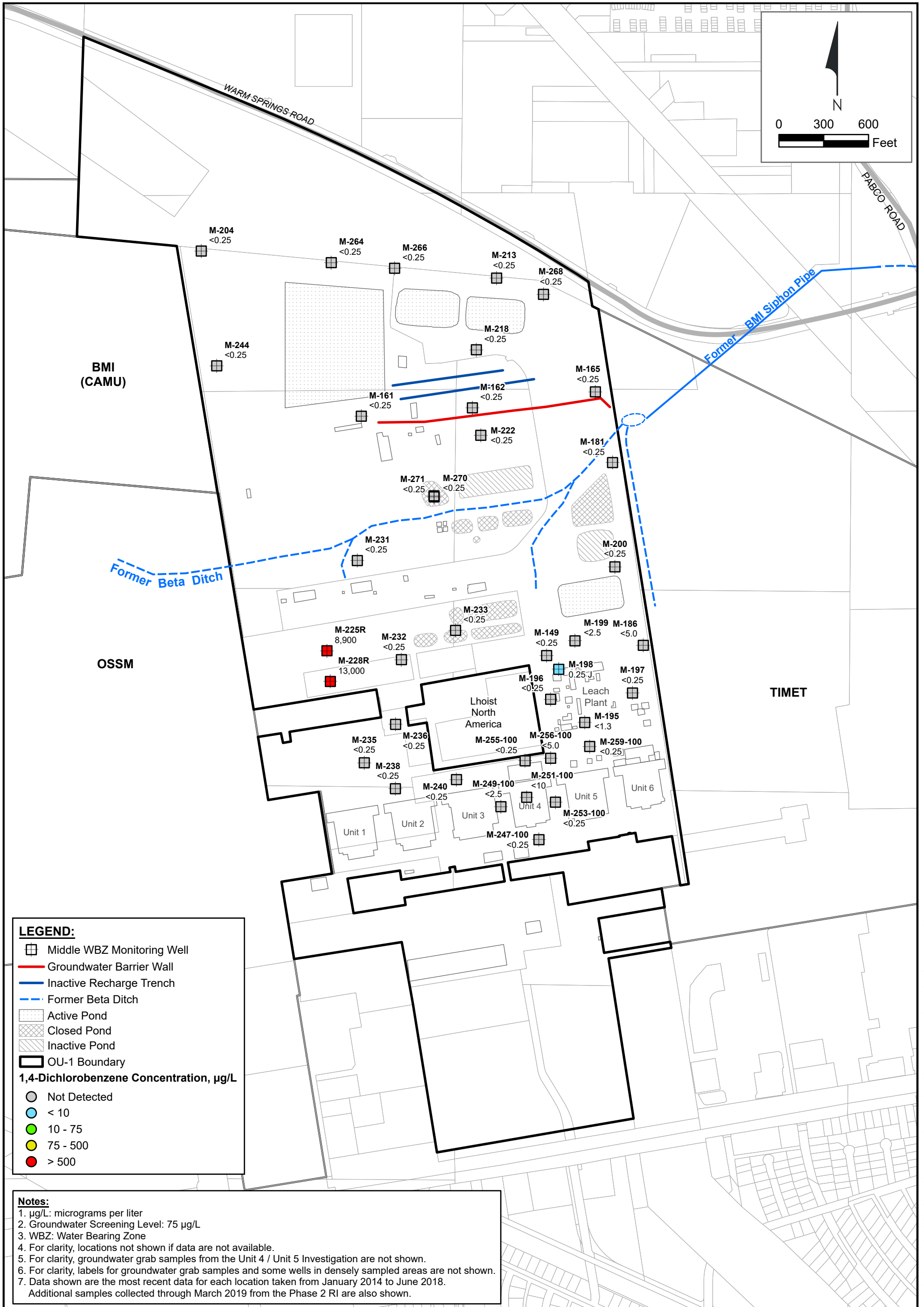
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 75 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,4-Dichlorobenzene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-82c

Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-82c 1,4-Dichlorobenzene Lower Shallow



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,4-Dichlorobenzene Concentration, µg/L

- Not Detected
- < 10
- 10 - 75
- 75 - 500
- > 500

Notes:

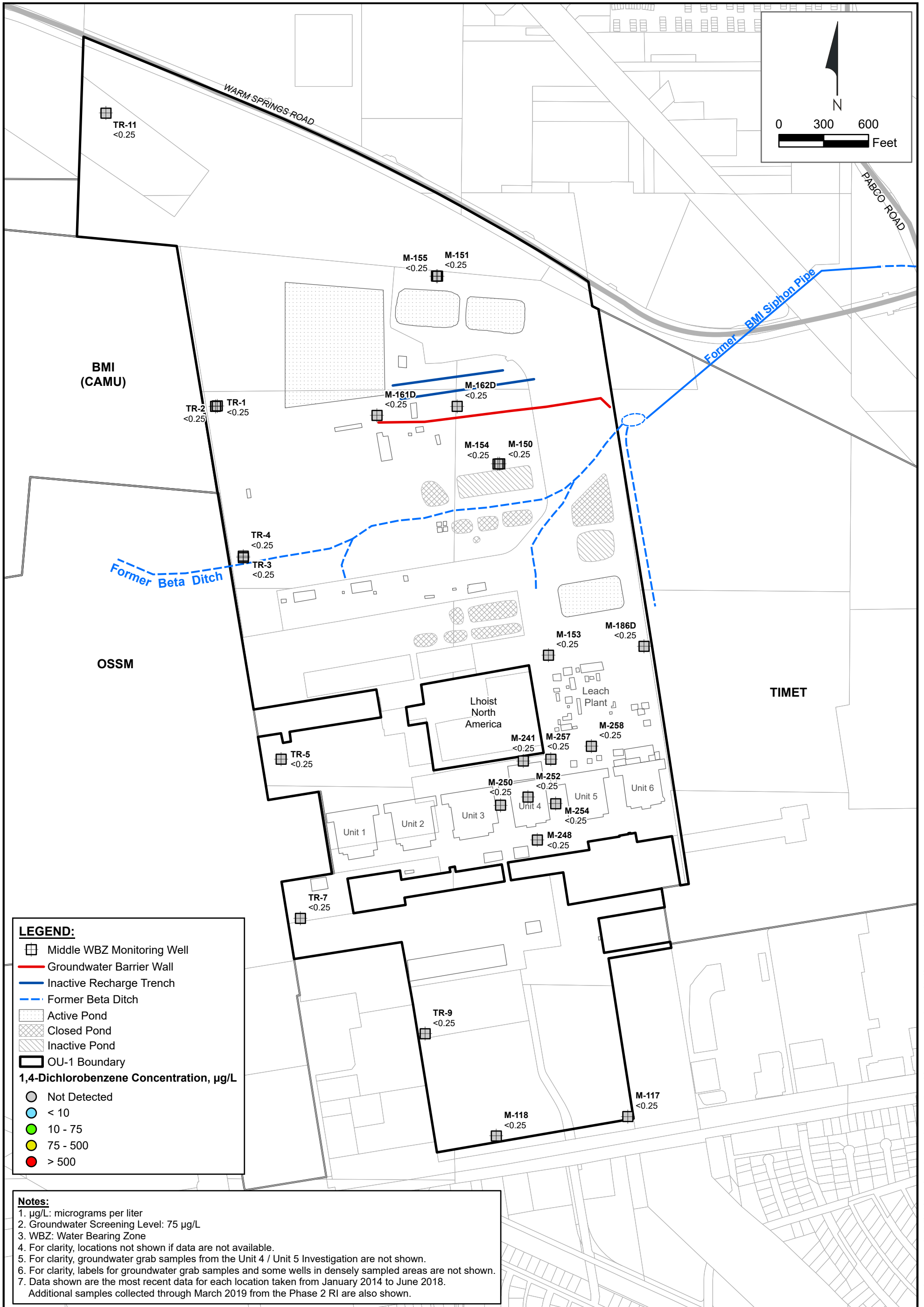
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 75 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,4-Dichlorobenzene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-82d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-82d 1,4-Dichlorobenzene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,4-Dichlorobenzene Concentration, µg/L

- Not Detected
- < 10
- 10 - 75
- 75 - 500
- > 500

Notes:

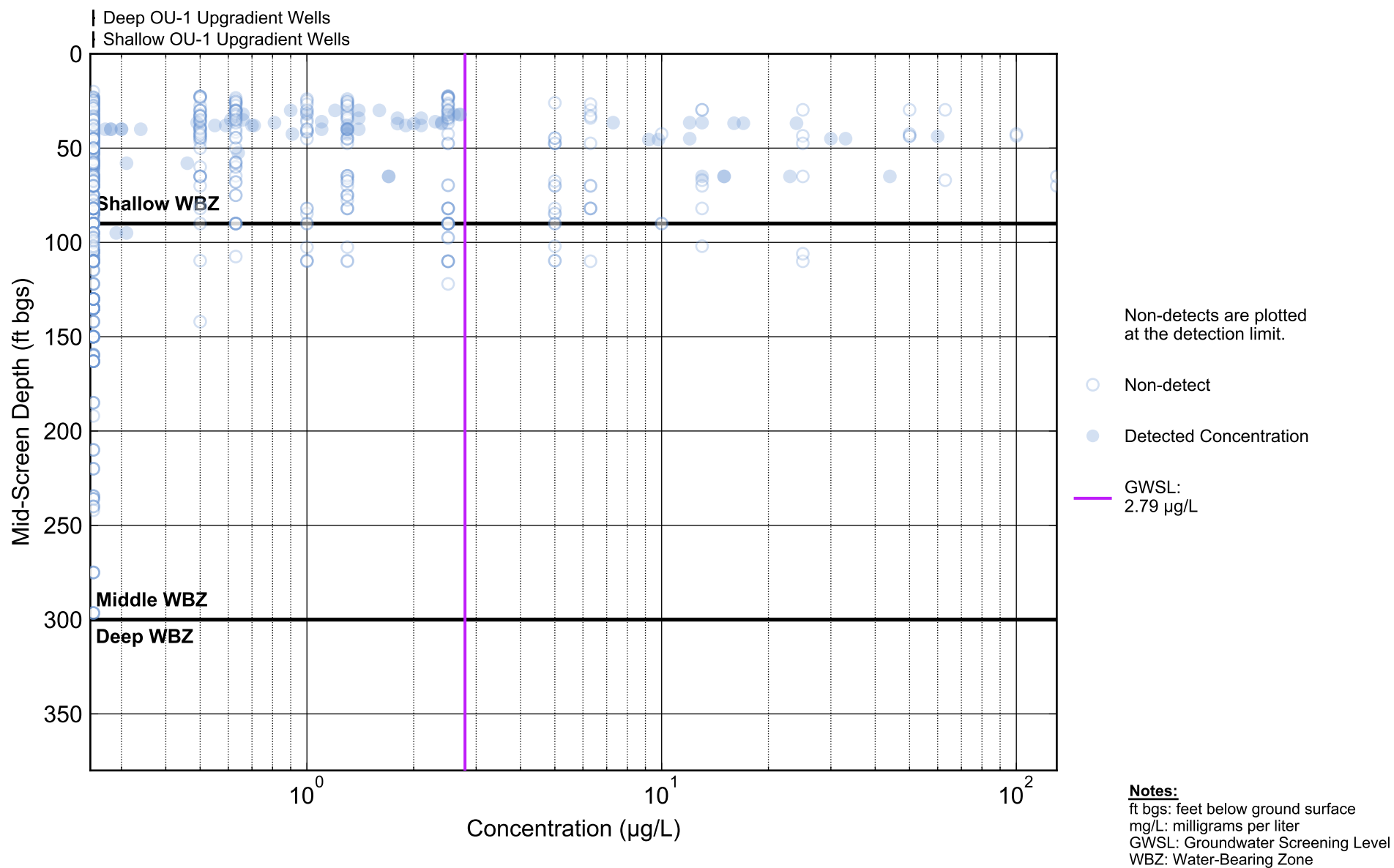
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 75 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,4-Dichlorobenzene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-82e

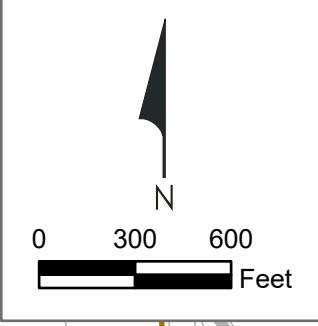
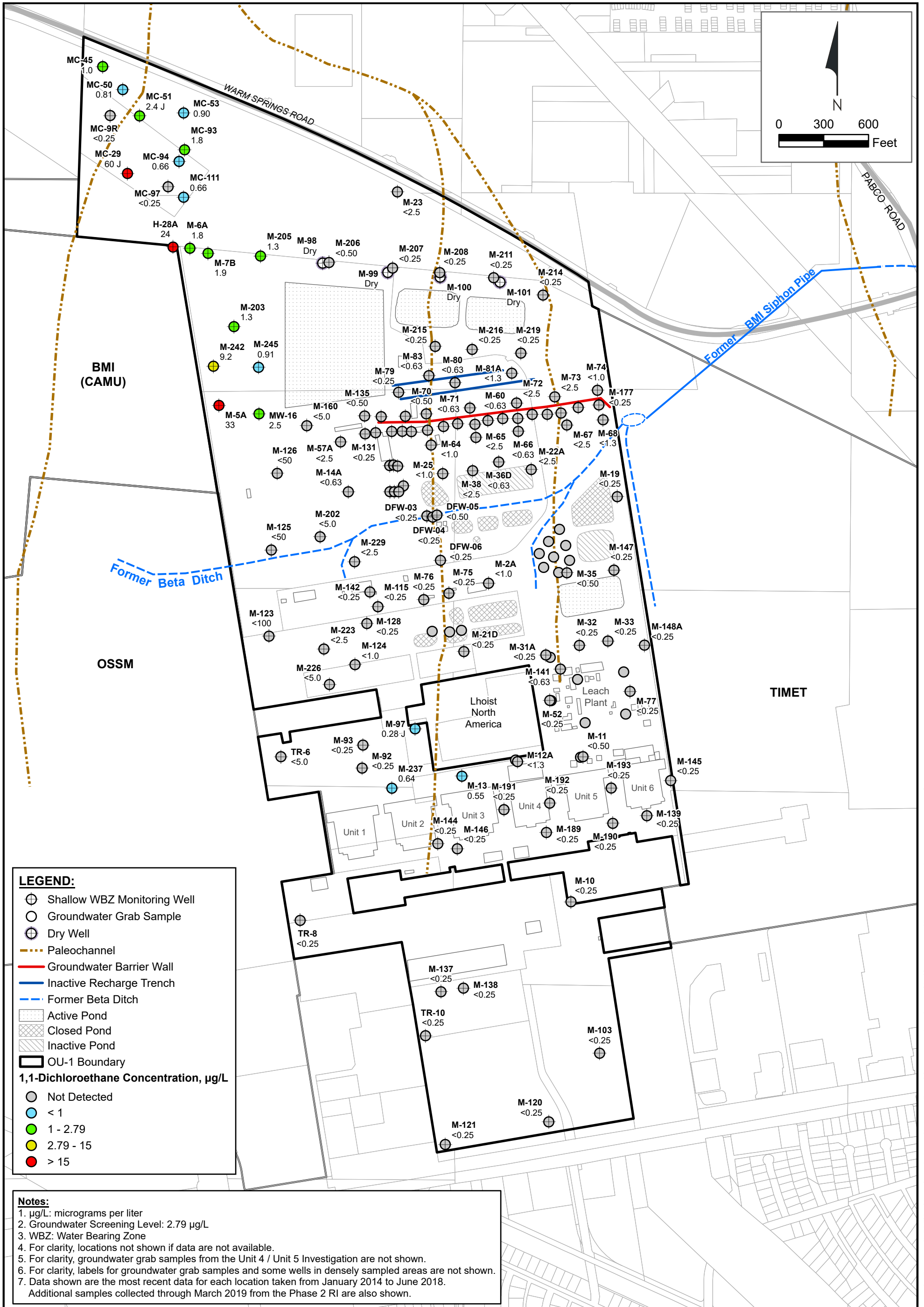
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_3.aprx\Figure 7-82e 1,4-Dichlorobenzene Lower Middle



OU-1 1,1-Dichloroethane Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

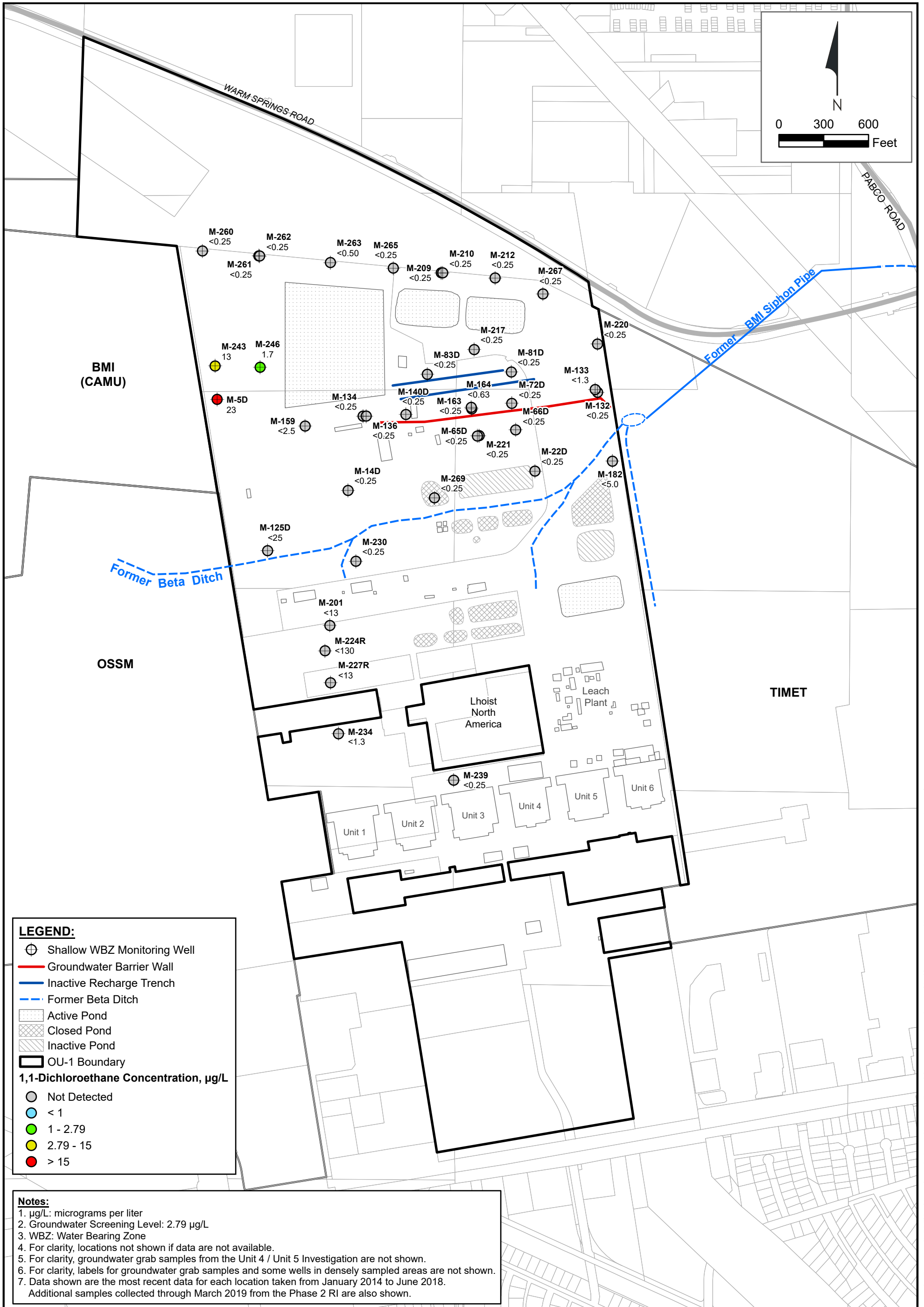
7-83a



1,1-Dichloroethane - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-83b

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-83b 1,1-Dichloroethane Upper Shallow



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

1,1-Dichloroethane Concentration, µg/L

- Not Detected
- < 1
- 1 - 2.79
- 2.79 - 15
- > 15

Notes:

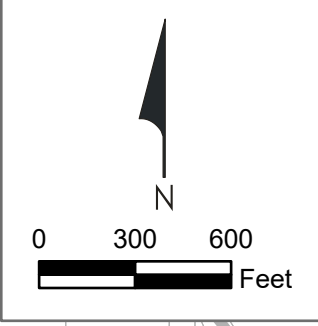
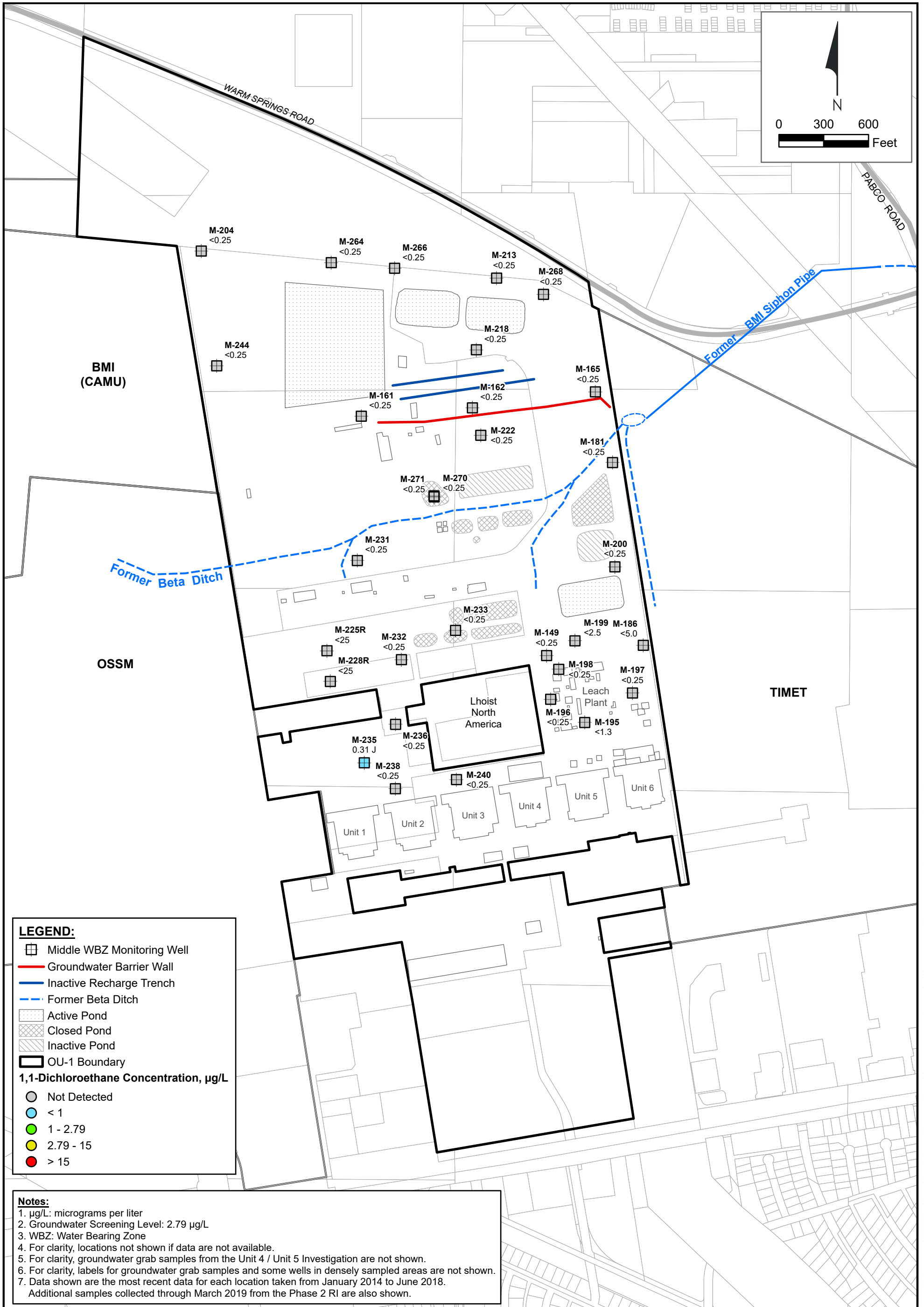
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 2.79 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,1-Dichloroethane - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-83c

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-83c 1,1-Dichloroethane Lower Shallow



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,1-Dichloroethane Concentration, µg/L

- Not Detected
- < 1
- 1 - 2.79
- 2.79 - 15
- > 15

Notes:

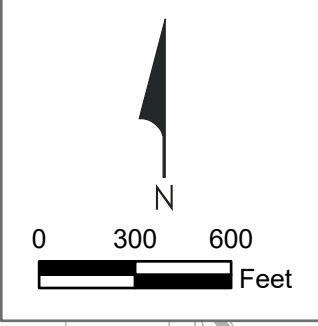
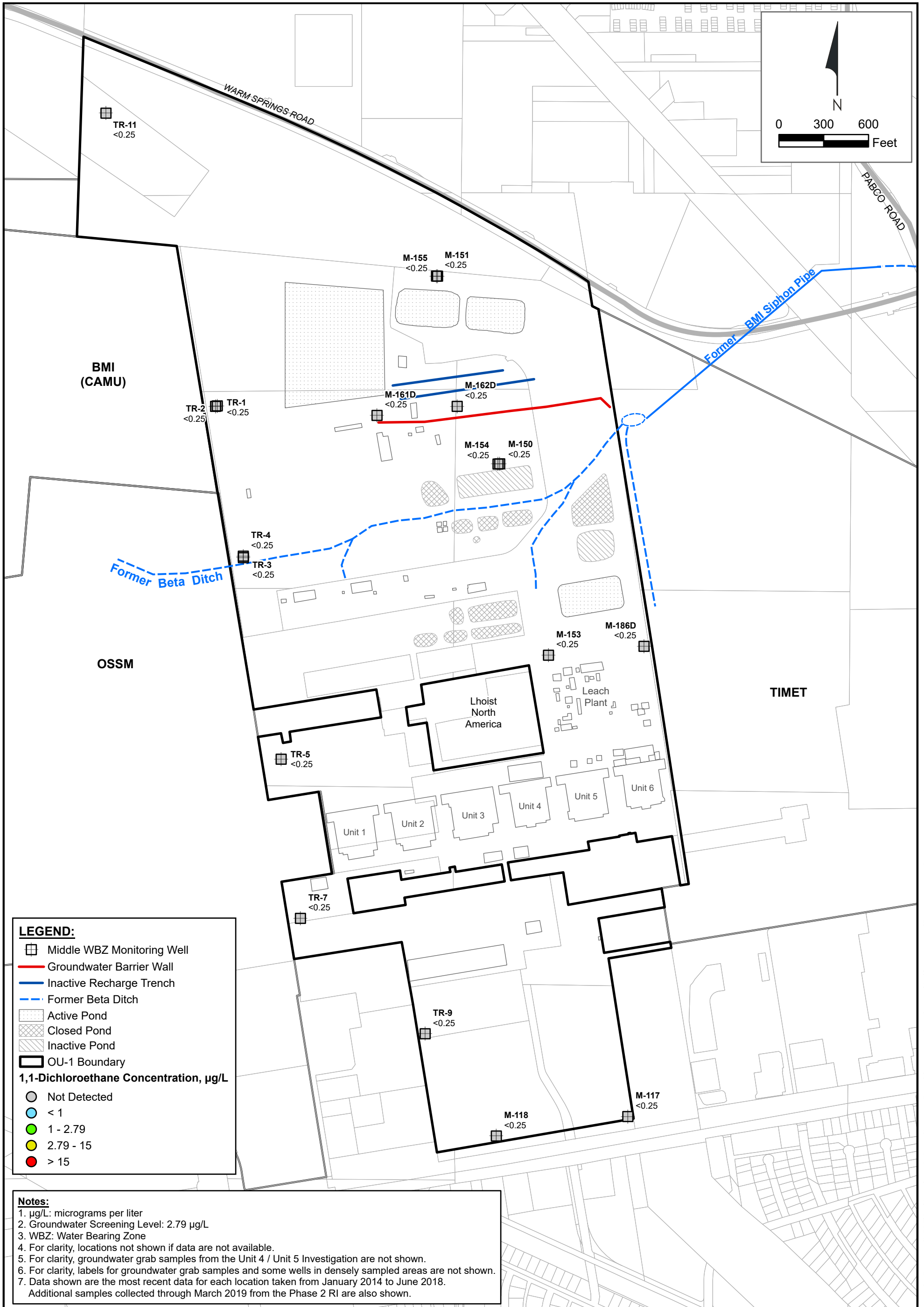
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 2.79 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,1-Dichloroethane - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-83d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-83d 1,1-Dichloroethane Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,1-Dichloroethane Concentration, $\mu\text{g/L}$

- Not Detected
- < 1
- $1 - 2.79$
- $2.79 - 15$
- > 15

Notes:

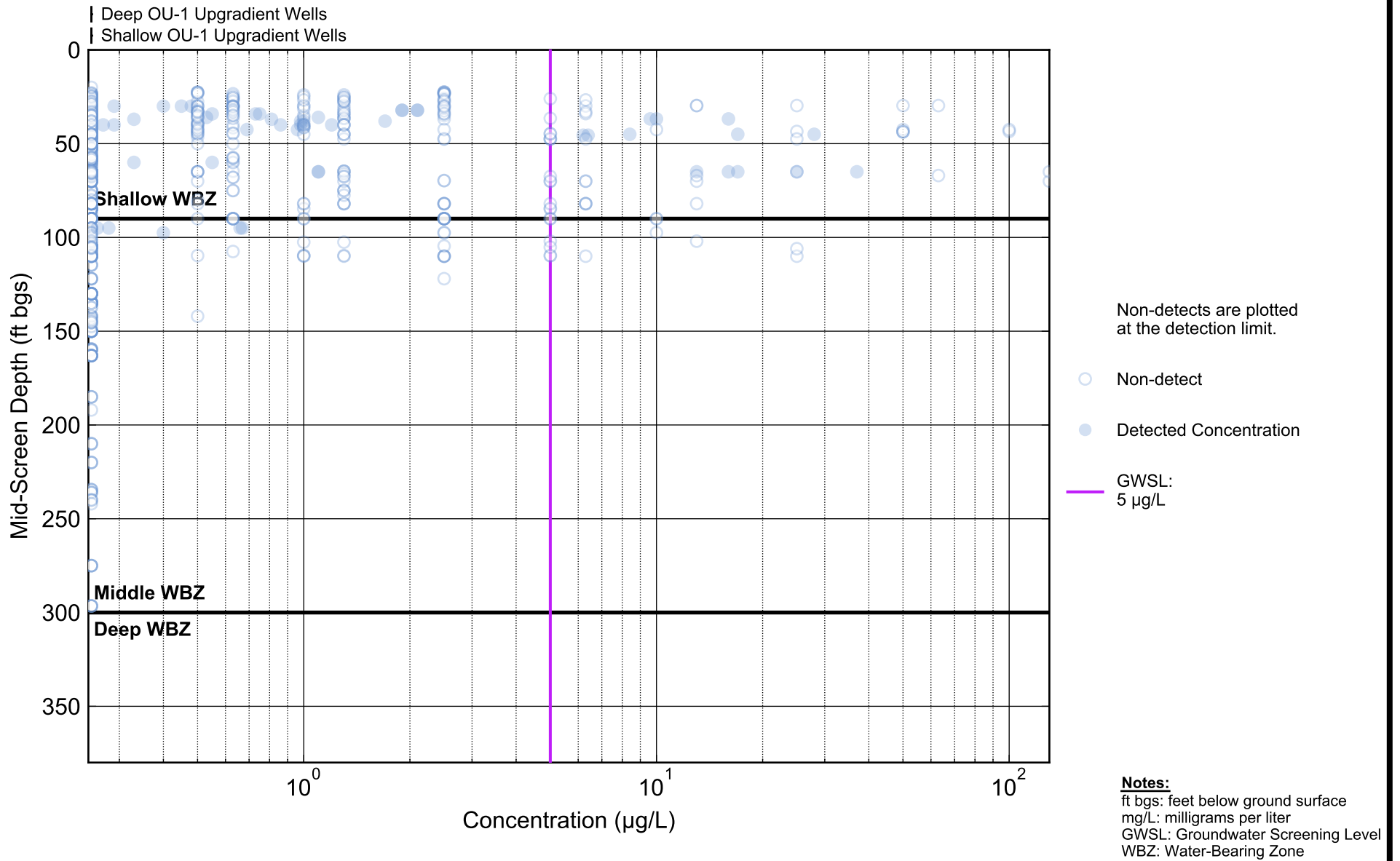
1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: $2.79\ \mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,1-Dichloroethane - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-83e

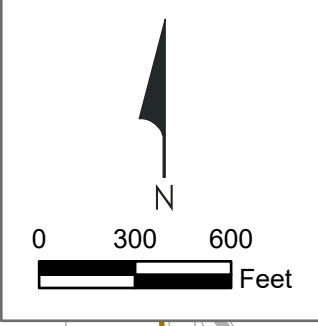
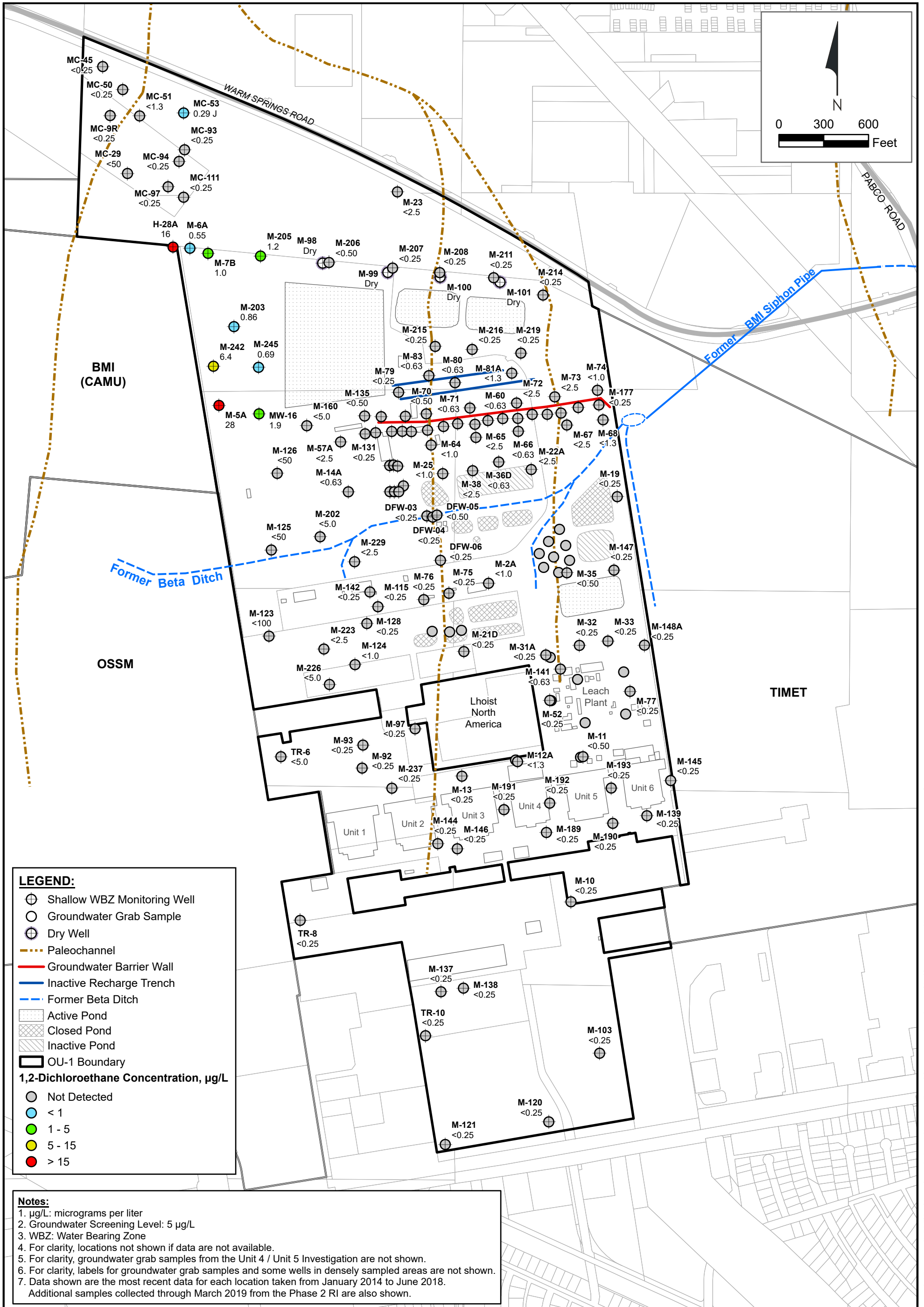
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-83e 1,1-Dichloroethane Lower Middle



OU-1 1,2-Dichloroethane Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-84a



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Grab Sample
- ⊖ Dry Well
- Paleochannel
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

1,2-Dichloroethane Concentration, µg/L

- Not Detected
- < 1
- 1 - 5
- 5 - 15
- > 15

Notes:

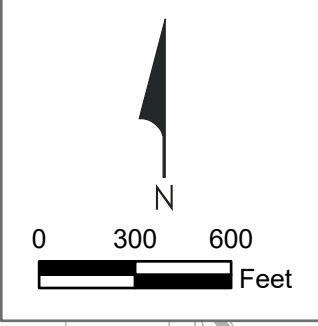
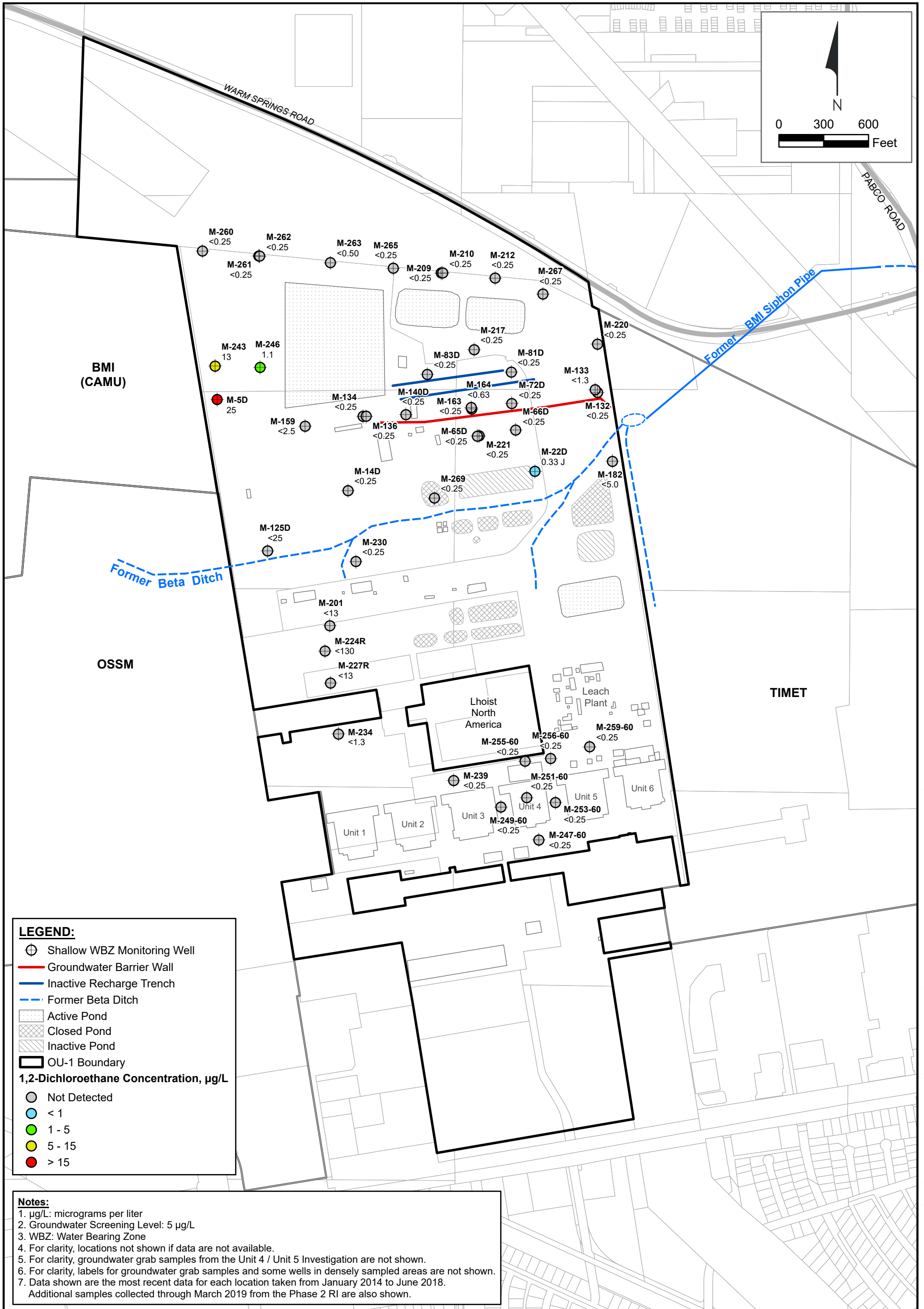
- µg/L: micrograms per liter
- Groundwater Screening Level: 5 µg/L
- WBZ: Water Bearing Zone
- For clarity, locations not shown if data are not available.
- For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
- For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
- Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,2-Dichloroethane - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-84b

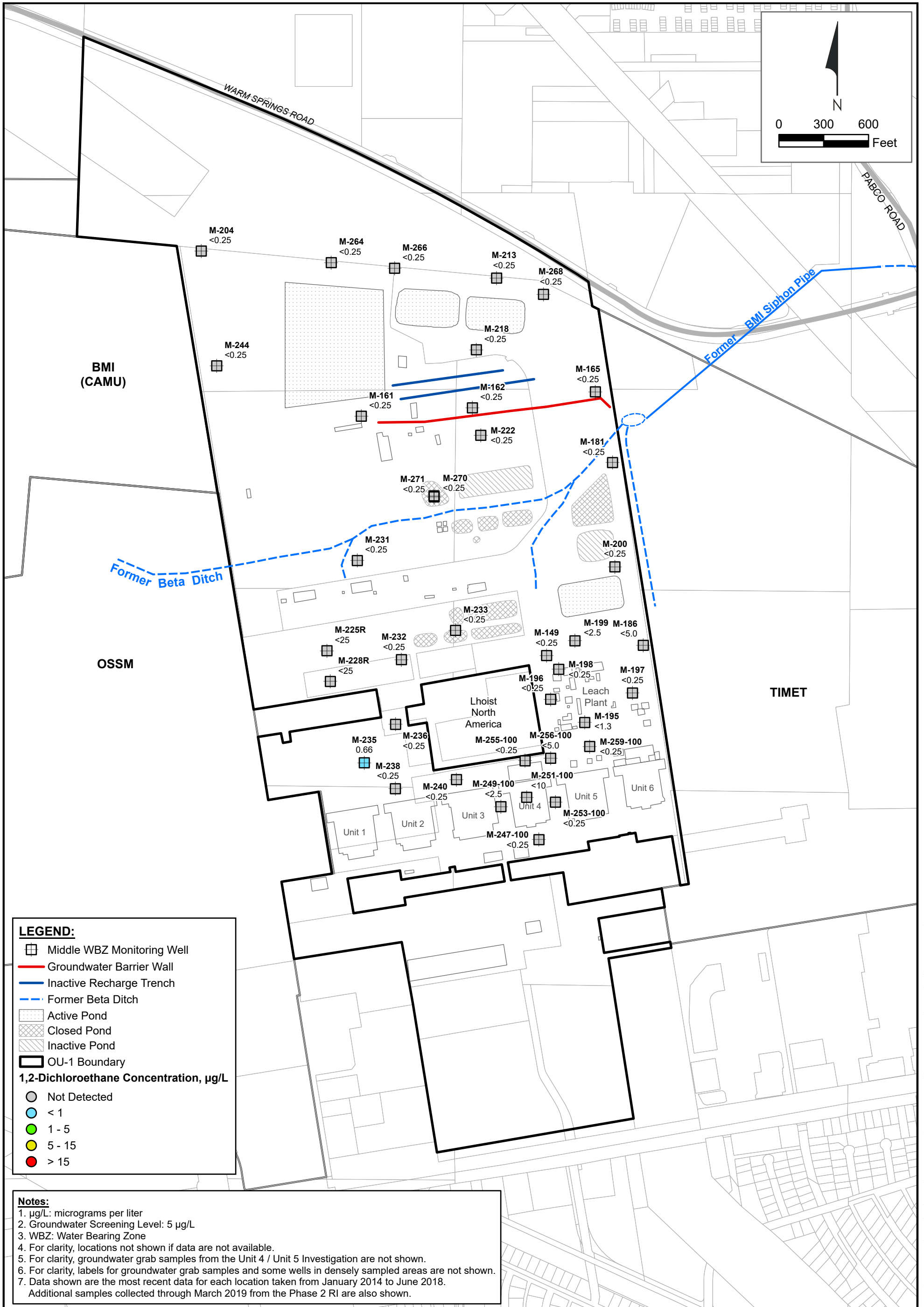
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-84b 1,2-Dichloroethane Upper Shallow



1,2-Dichloroethane - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-84c

Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-84c 1,2-Dichloroethane Lower Shallow



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,2-Dichloroethane Concentration, µg/L

- Not Detected
- < 1
- 1 - 5
- 5 - 15
- > 15

Notes:

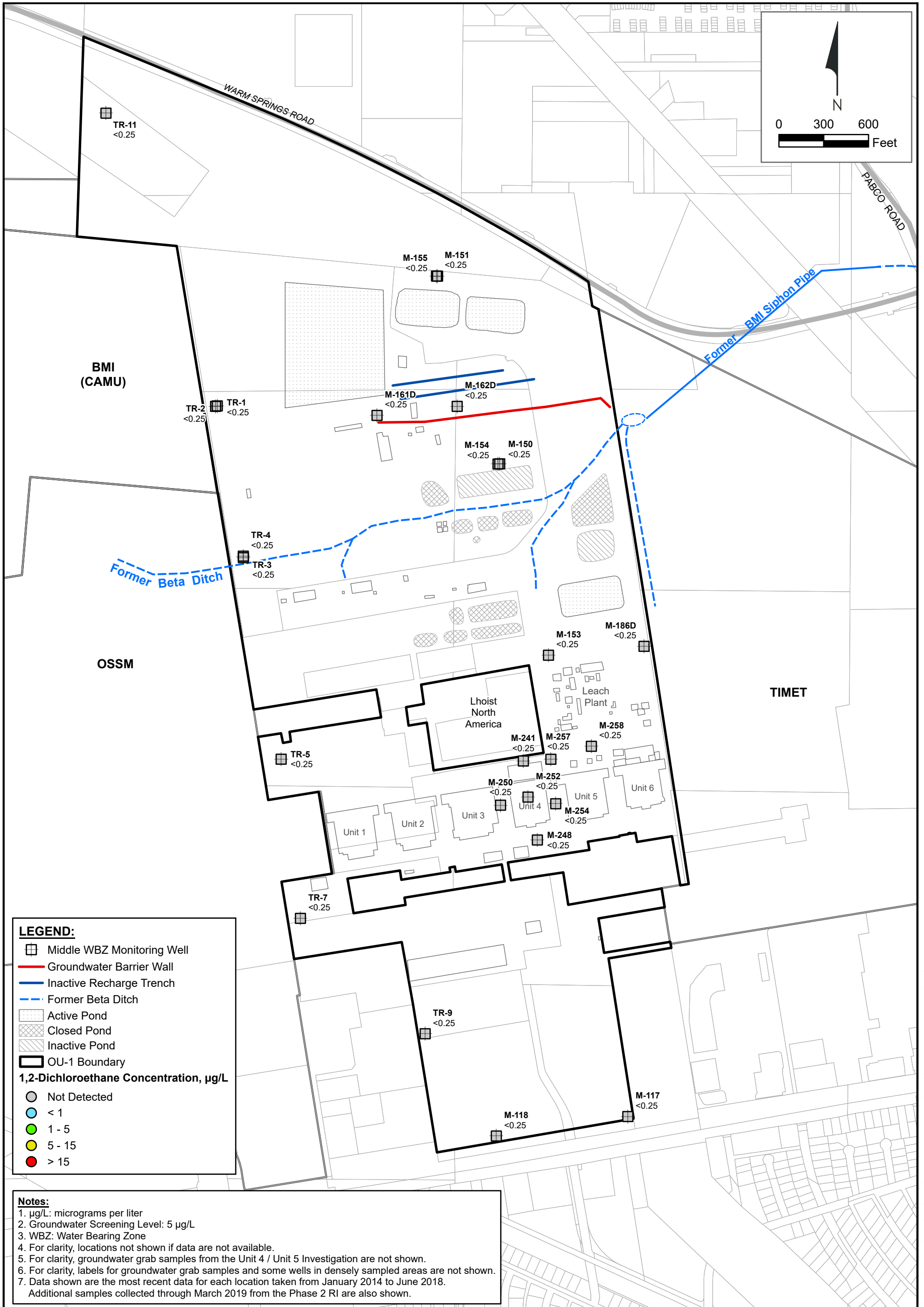
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 5 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,2-Dichloroethane - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-84d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-84d 1,2-Dichloroethane Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,2-Dichloroethane Concentration, µg/L

- Not Detected
- < 1
- 1 - 5
- 5 - 15
- > 15

Notes:

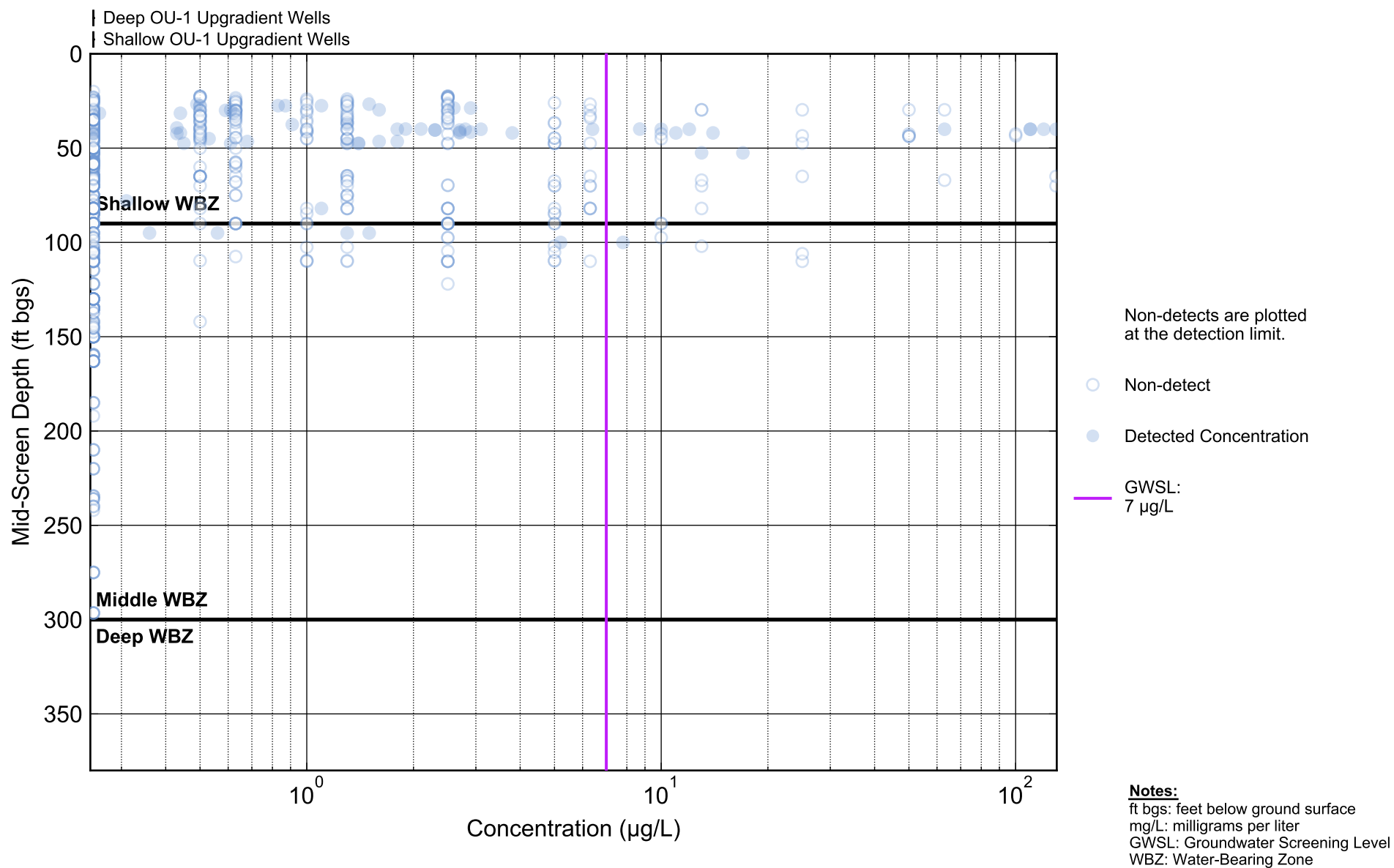
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 5 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,2-Dichloroethane - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-84e

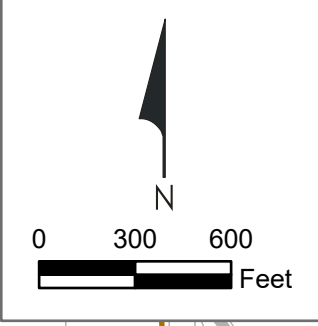
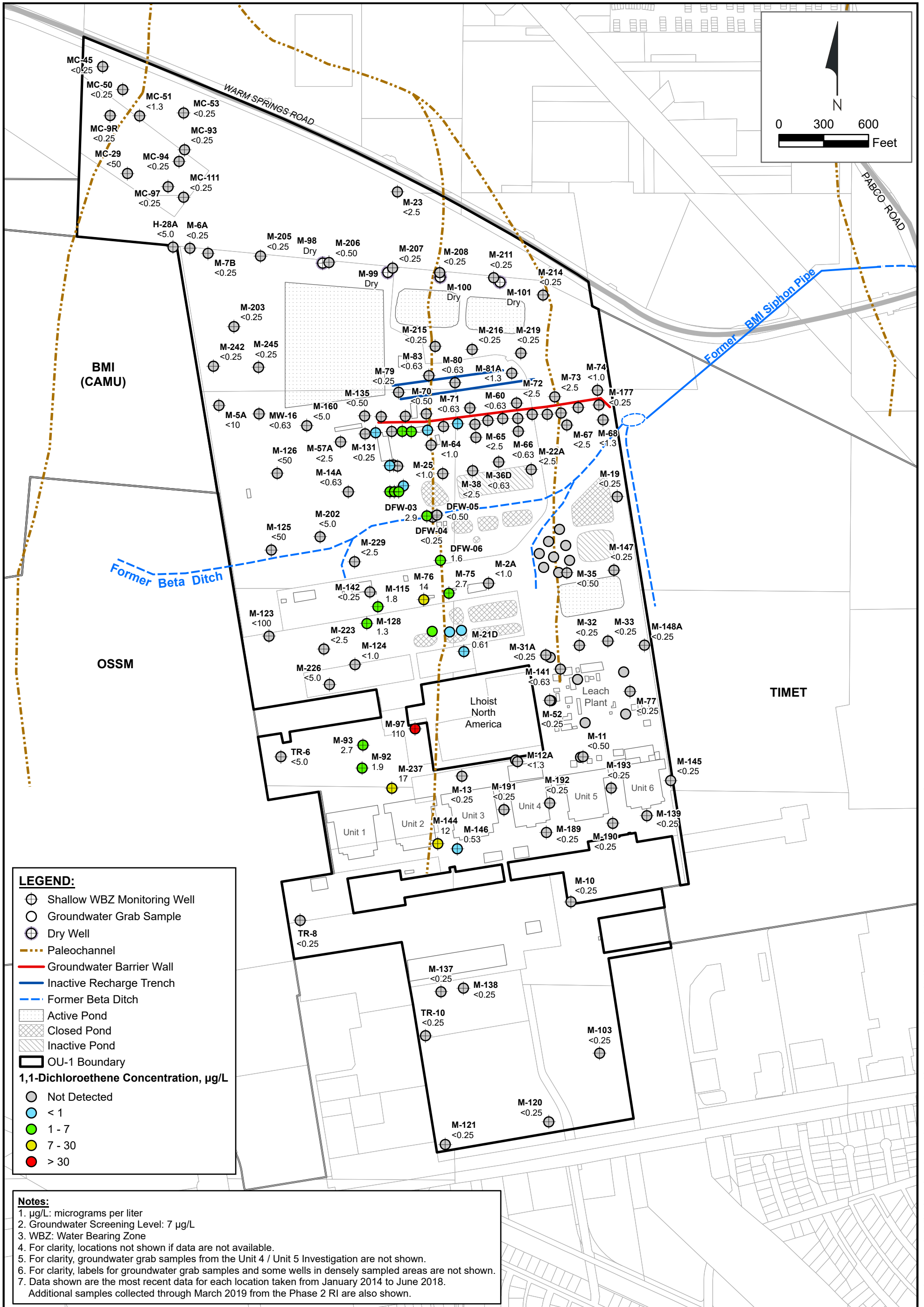
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-84e 1,2-Dichloroethane Lower Middle



OU-1 1,1-Dichloroethene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-85a



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Grab Sample
- ⊖ Dry Well
- Paleochannel
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

1,1-Dichloroethene Concentration, µg/L

- Not Detected
- < 1
- 1 - 7
- 7 - 30
- > 30

Notes:

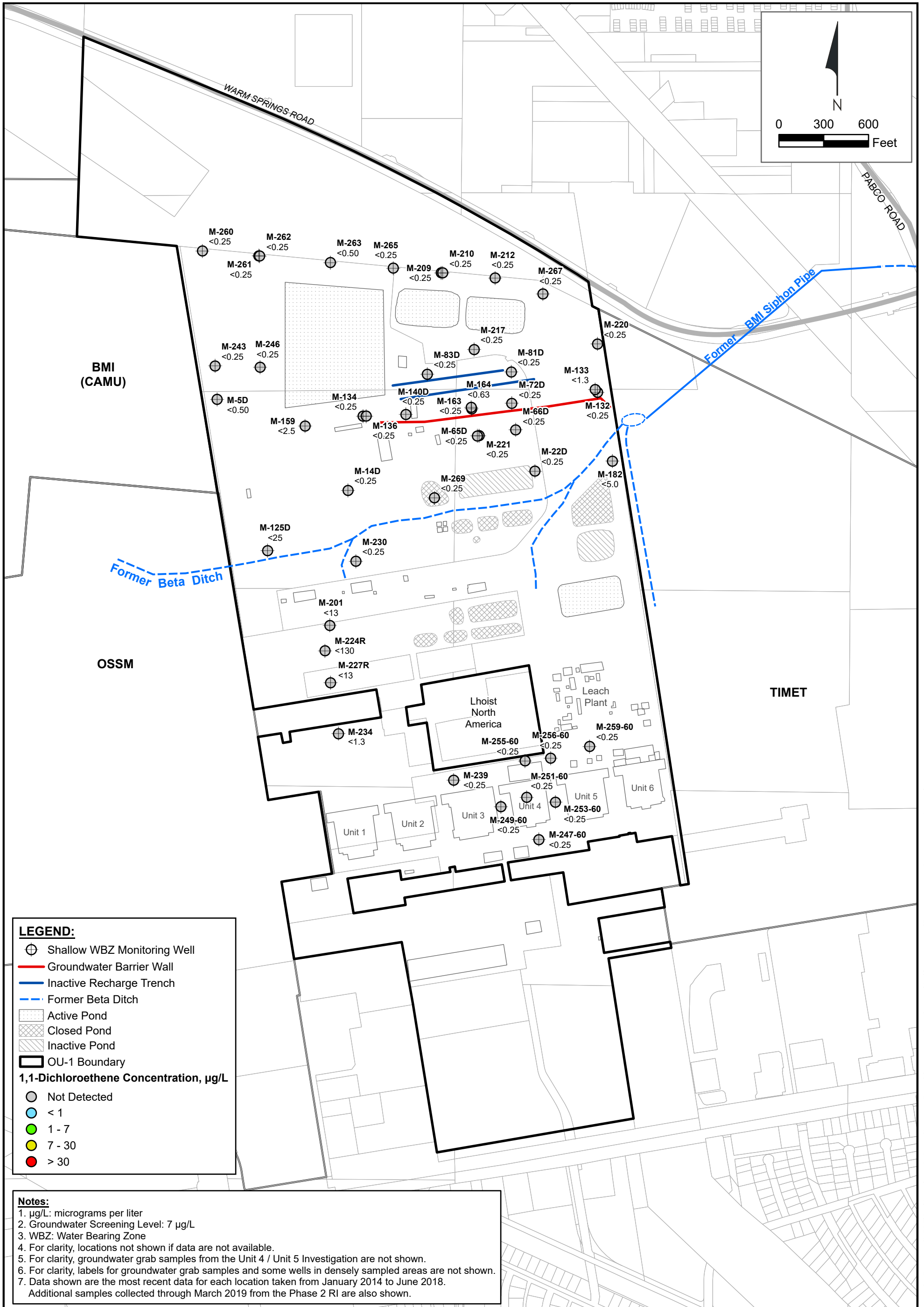
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 7 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,1-Dichloroethene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-85b

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-85b 1,1-Dichloroethene Upper Shallow



Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-85c 1,1-Dichloroethene Lower Shallow



1,1-Dichloroethene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-85c

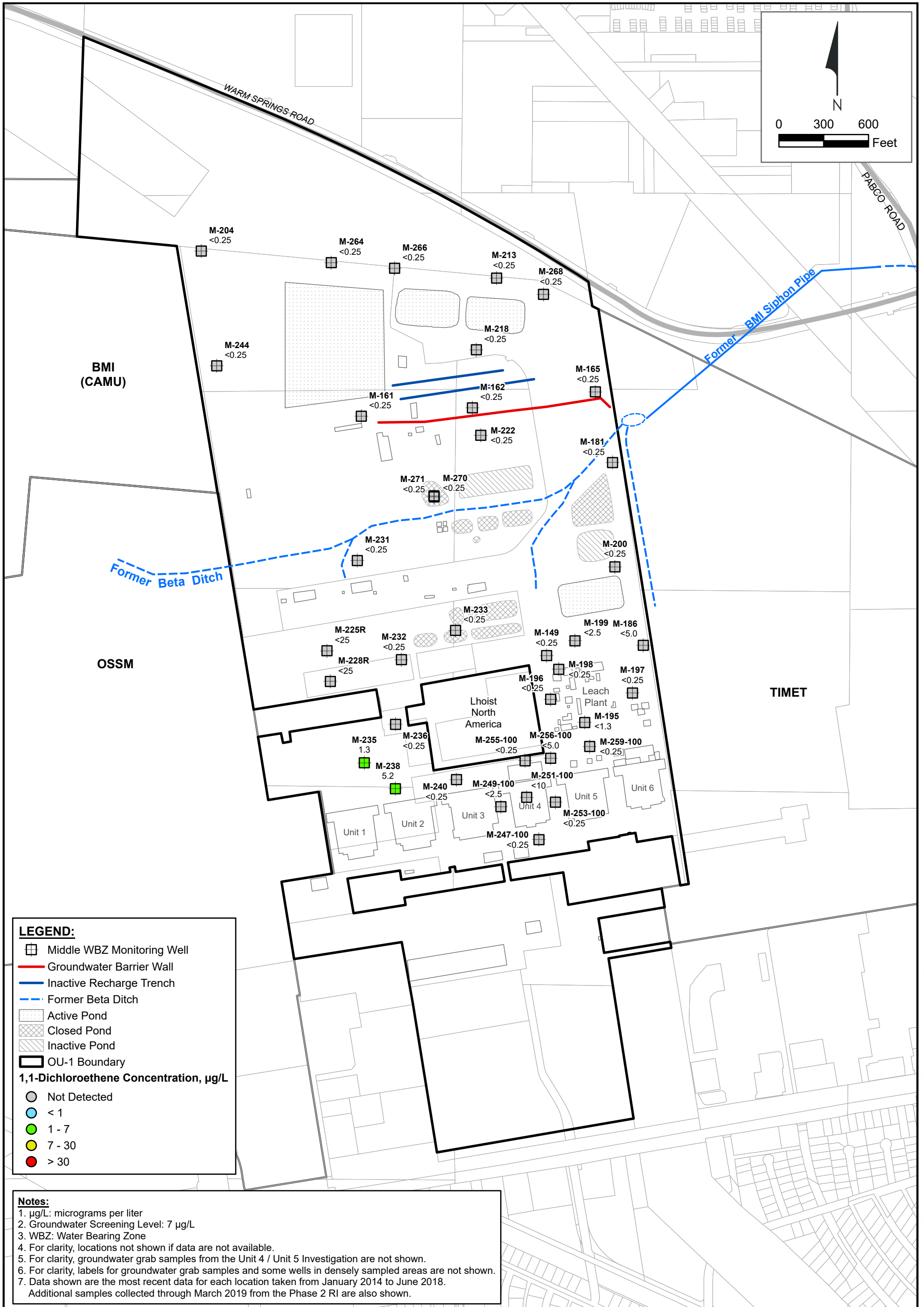
Drafter: JC

Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,1-Dichloroethene Concentration, µg/L

- Not Detected
- < 1
- 1 - 7
- 7 - 30
- > 30

Notes:

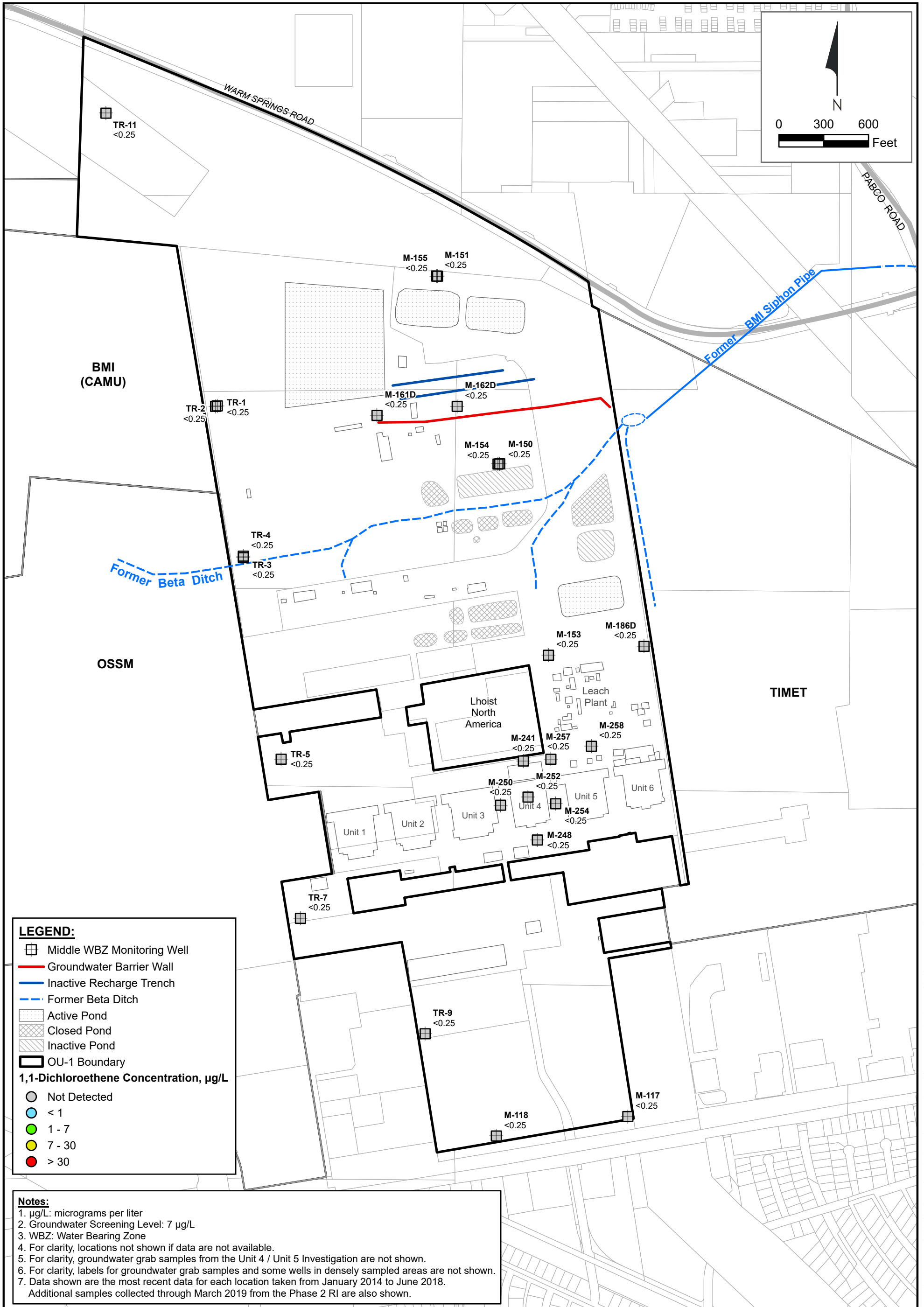
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 7 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,1-Dichloroethene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-85d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-85d 1,1-Dichloroethene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,1-Dichloroethene Concentration, $\mu\text{g/L}$

- Not Detected
- <math><1</math>
- 1 - 7
- 7 - 30
- > 30

Notes:

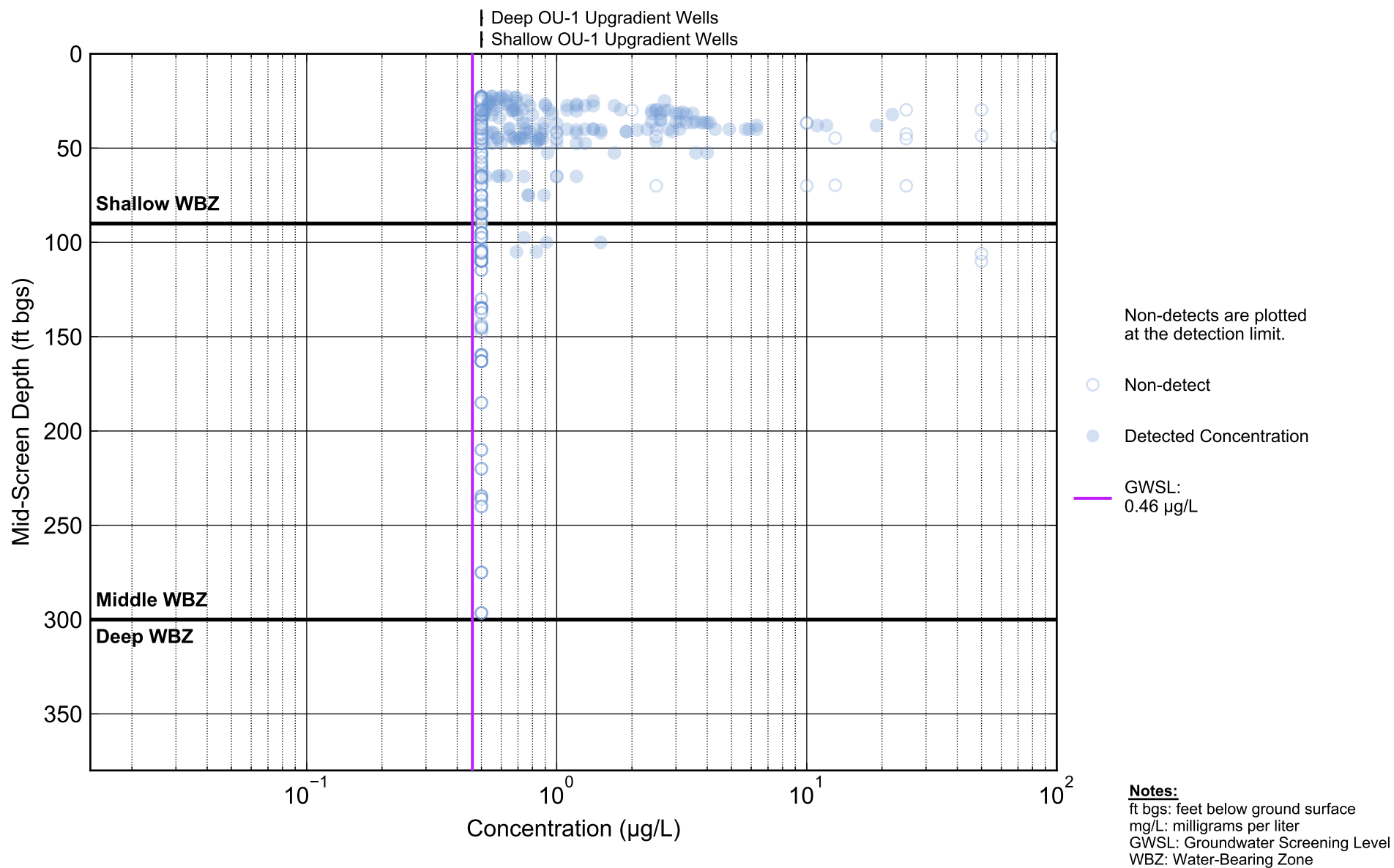
1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: 7 $\mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,1-Dichloroethene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-85e

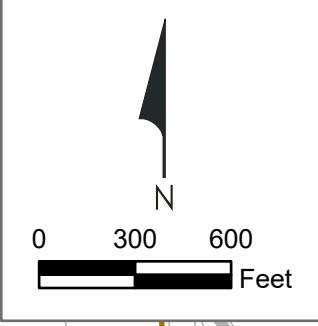
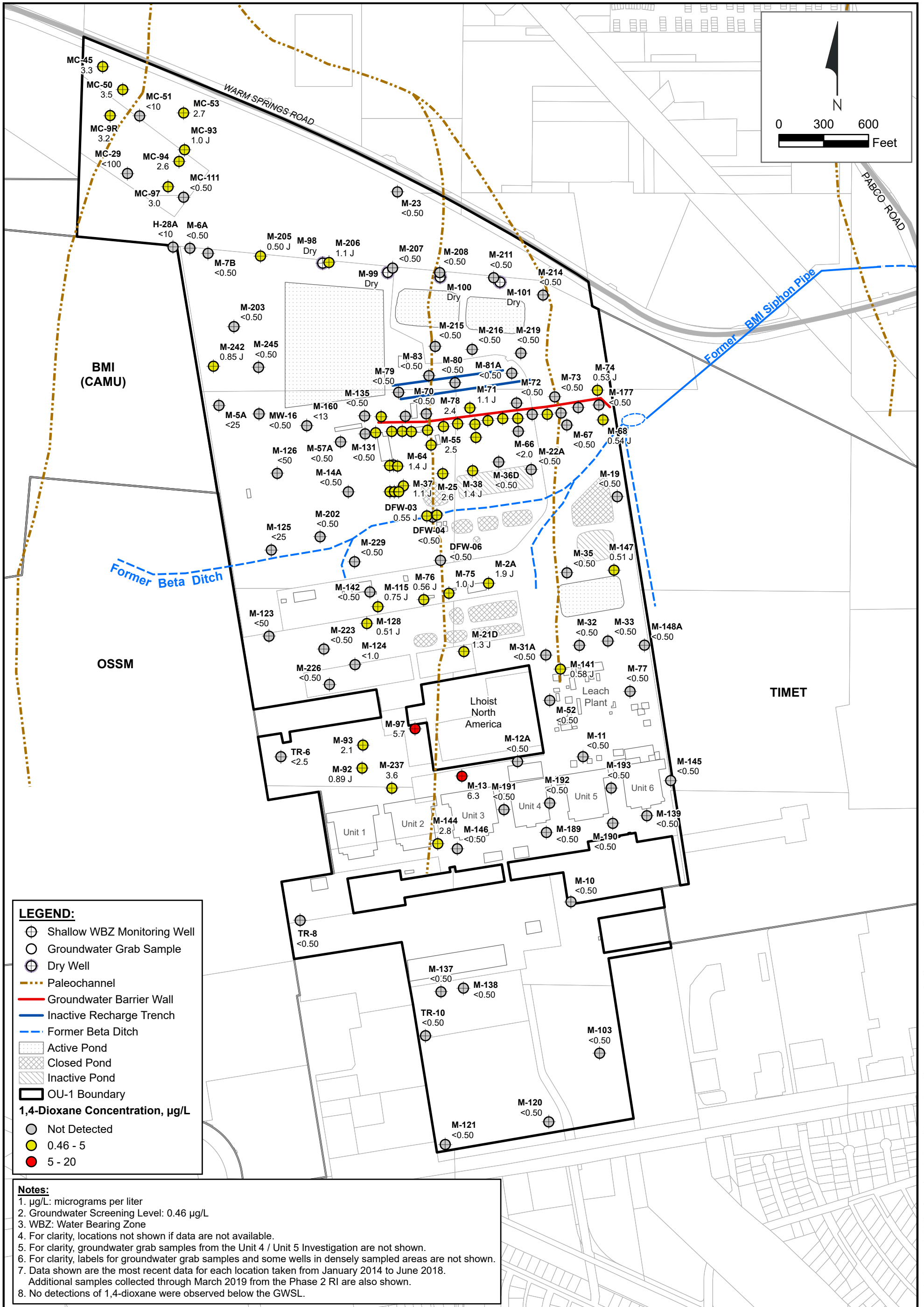
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-85e 1,1-Dichloroethene Lower Middle



OU-1 1,4-Dioxane Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

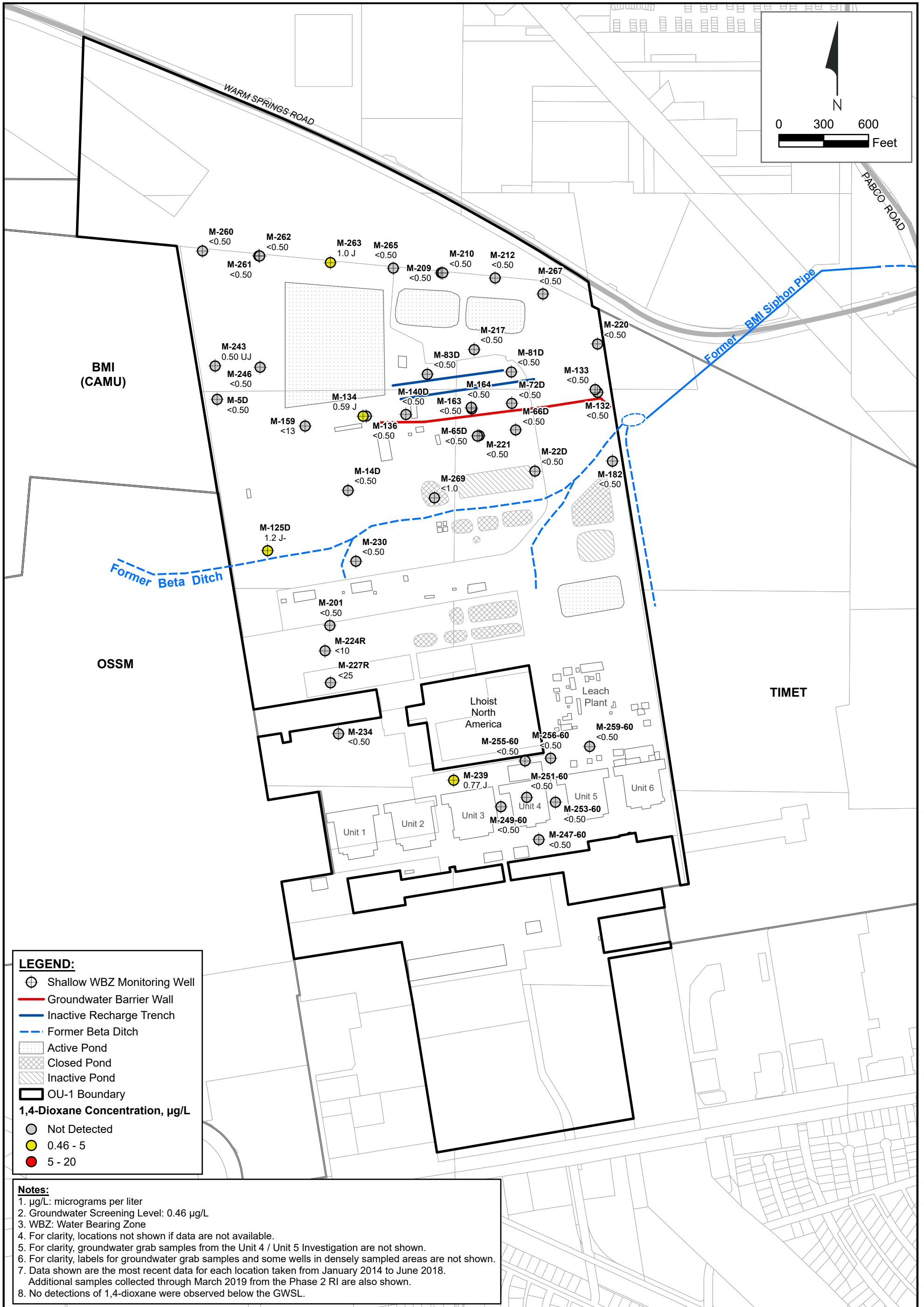
7-86a



1,4-Dioxane - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-86b

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_01\figures_4.aprx\Figure 7-86b 1,4-Dioxane Upper Shallow



LEGEND:

- Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,4-Dioxane Concentration, $\mu\text{g/L}$

- Not Detected
- 0.46 - 5
- 5 - 20

Notes:

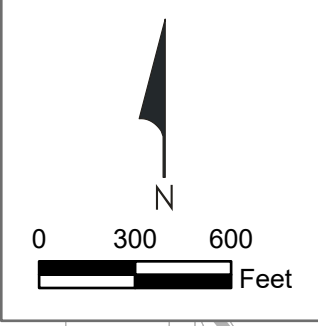
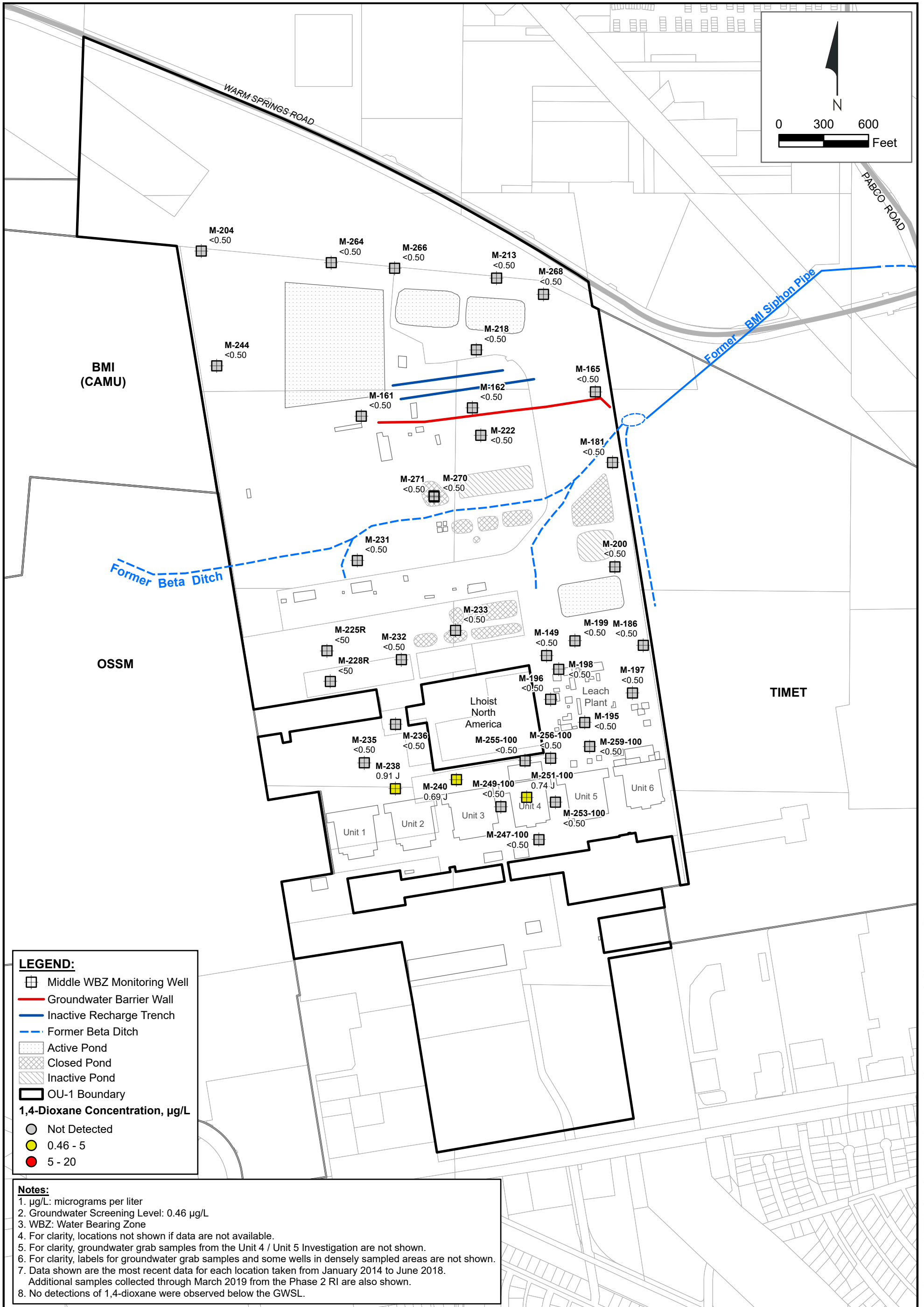
- $\mu\text{g/L}$: micrograms per liter
- Groundwater Screening Level: 0.46 $\mu\text{g/L}$
- WBZ: Water Bearing Zone
- For clarity, locations not shown if data are not available.
- For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
- For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
- Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
- No detections of 1,4-dioxane were observed below the GWSL.



1,4-Dioxane - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-86c

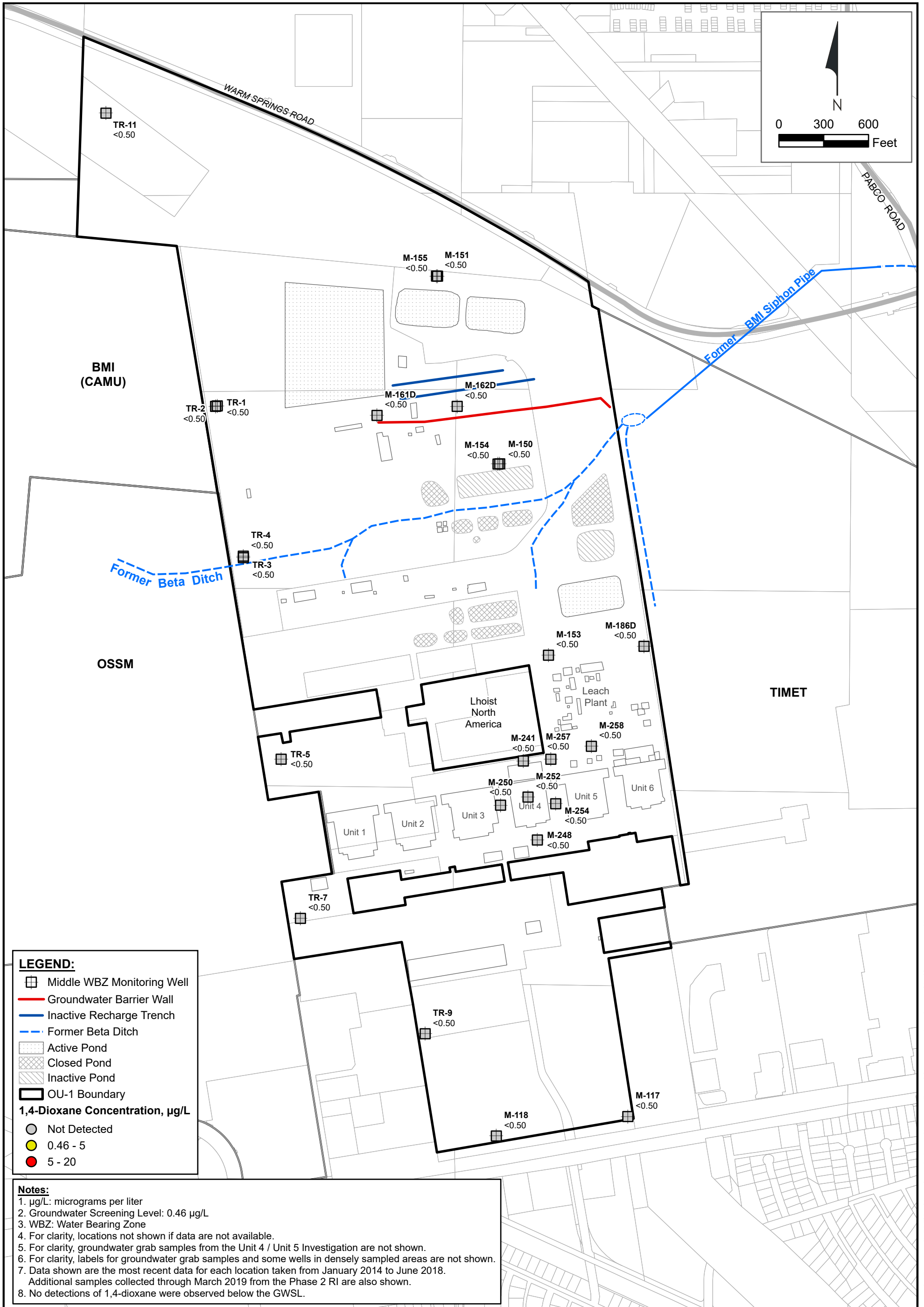
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-86c 1,4-Dioxane Lower Shallow



1,4-Dioxane - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-86d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-86d 1,4-Dioxane Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,4-Dioxane Concentration, $\mu\text{g/L}$

- Not Detected
- 0.46 - 5
- 5 - 20

Notes:

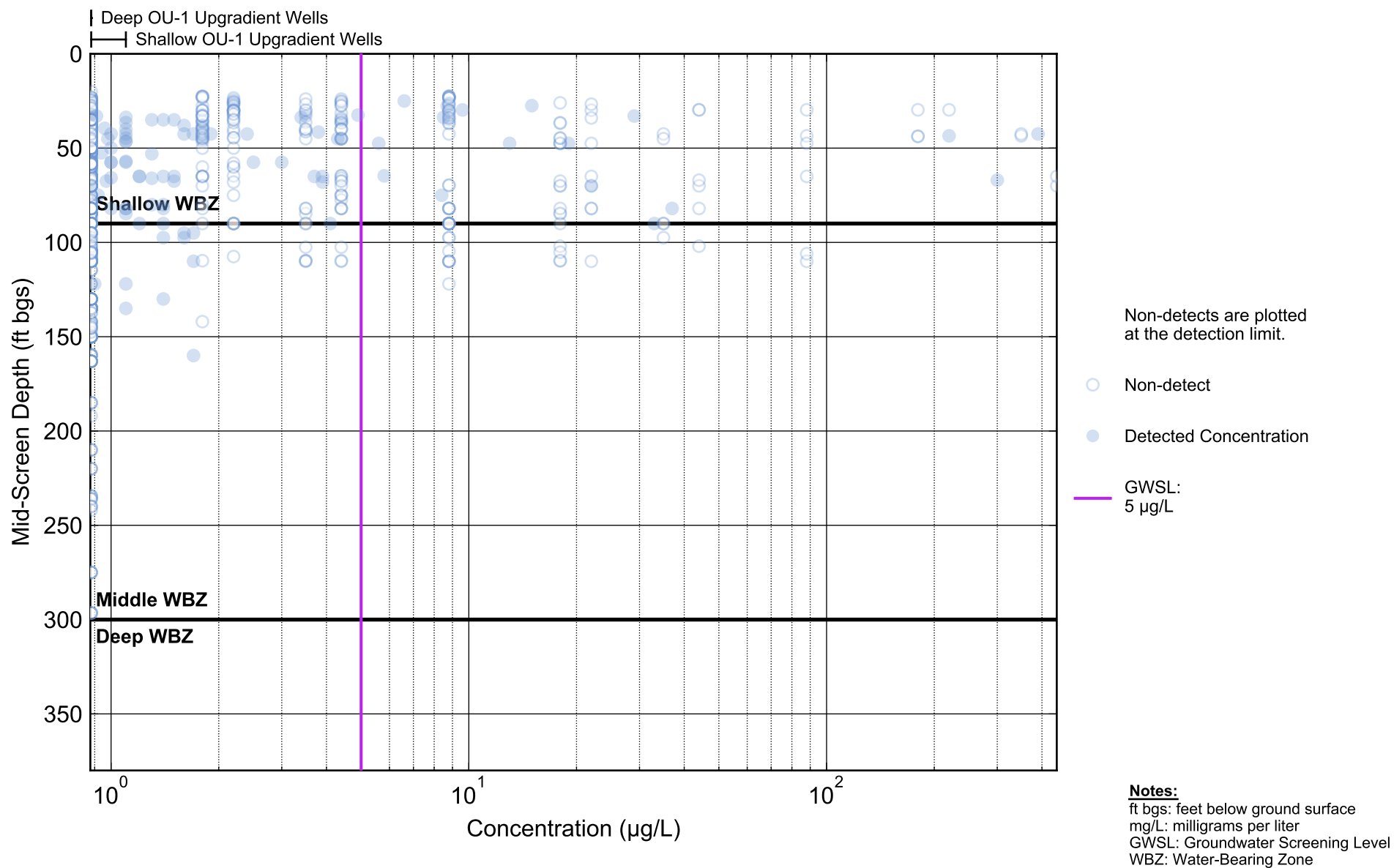
1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: 0.46 $\mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of 1,4-dioxane were observed below the GWSL.



1,4-Dioxane - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

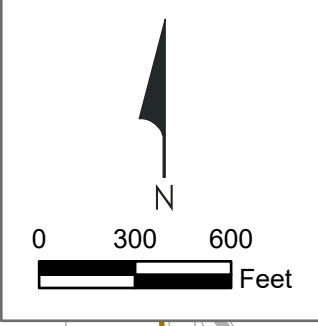
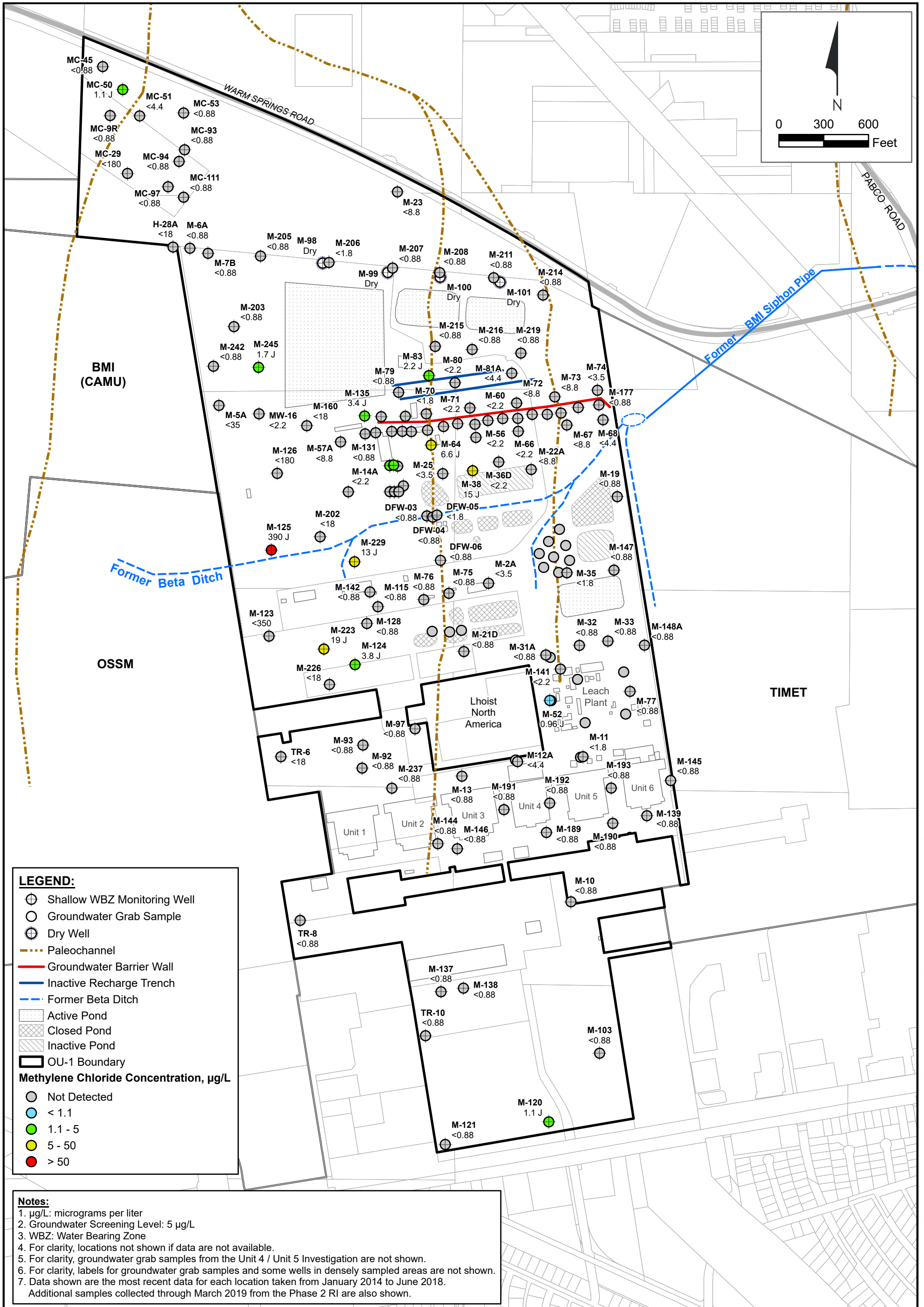
Figure
7-86e

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-86e 1,4-Dioxane Lower Middle



OU-1 Methylene Chloride Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

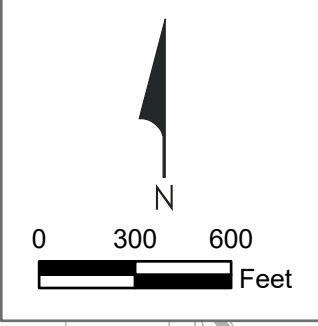
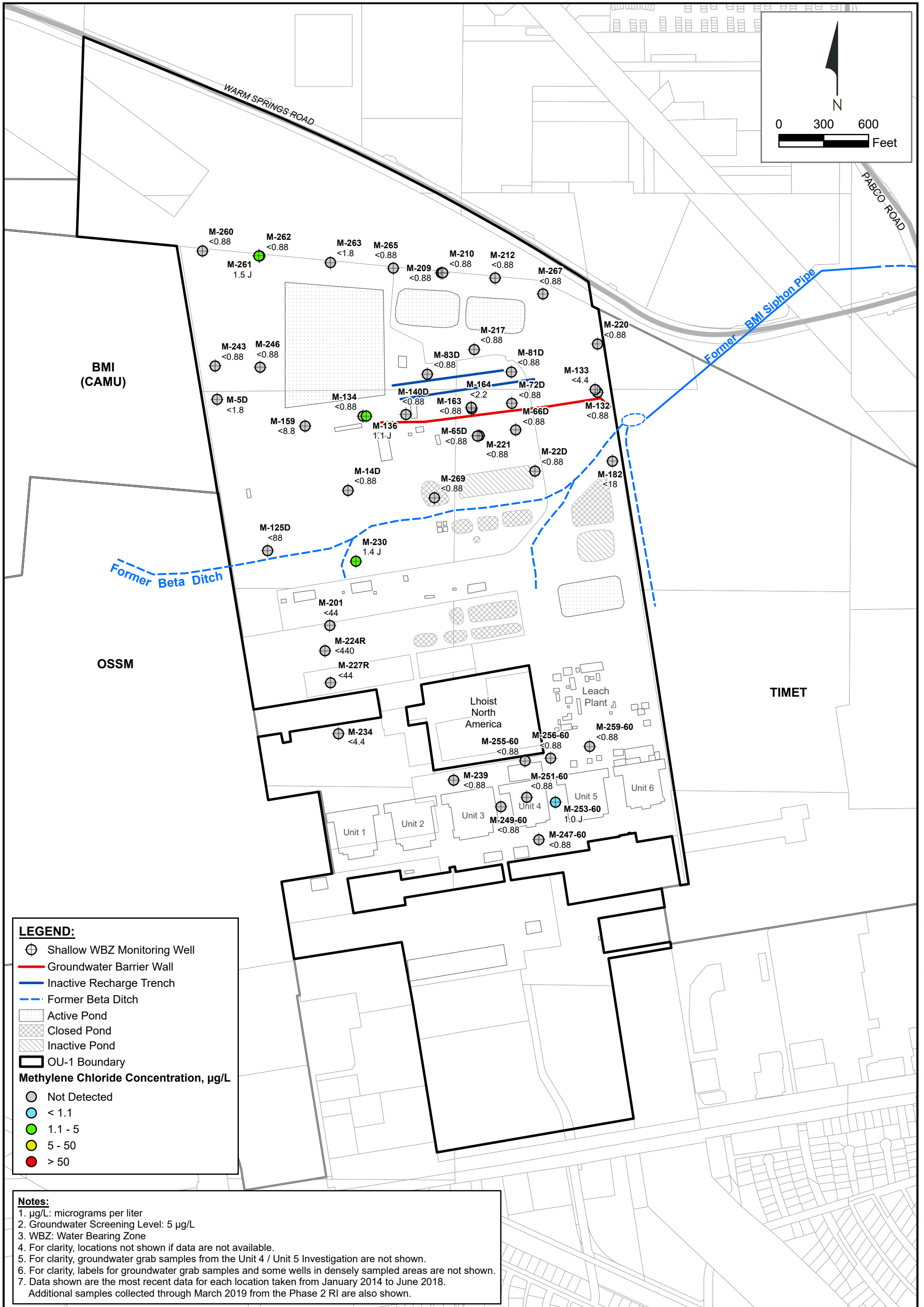
Figure
7-87a



Methylene Chloride - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-87b

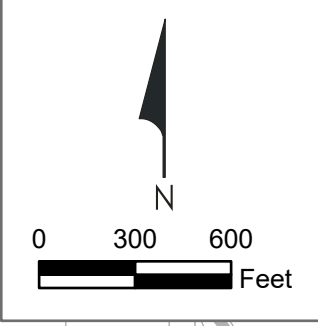
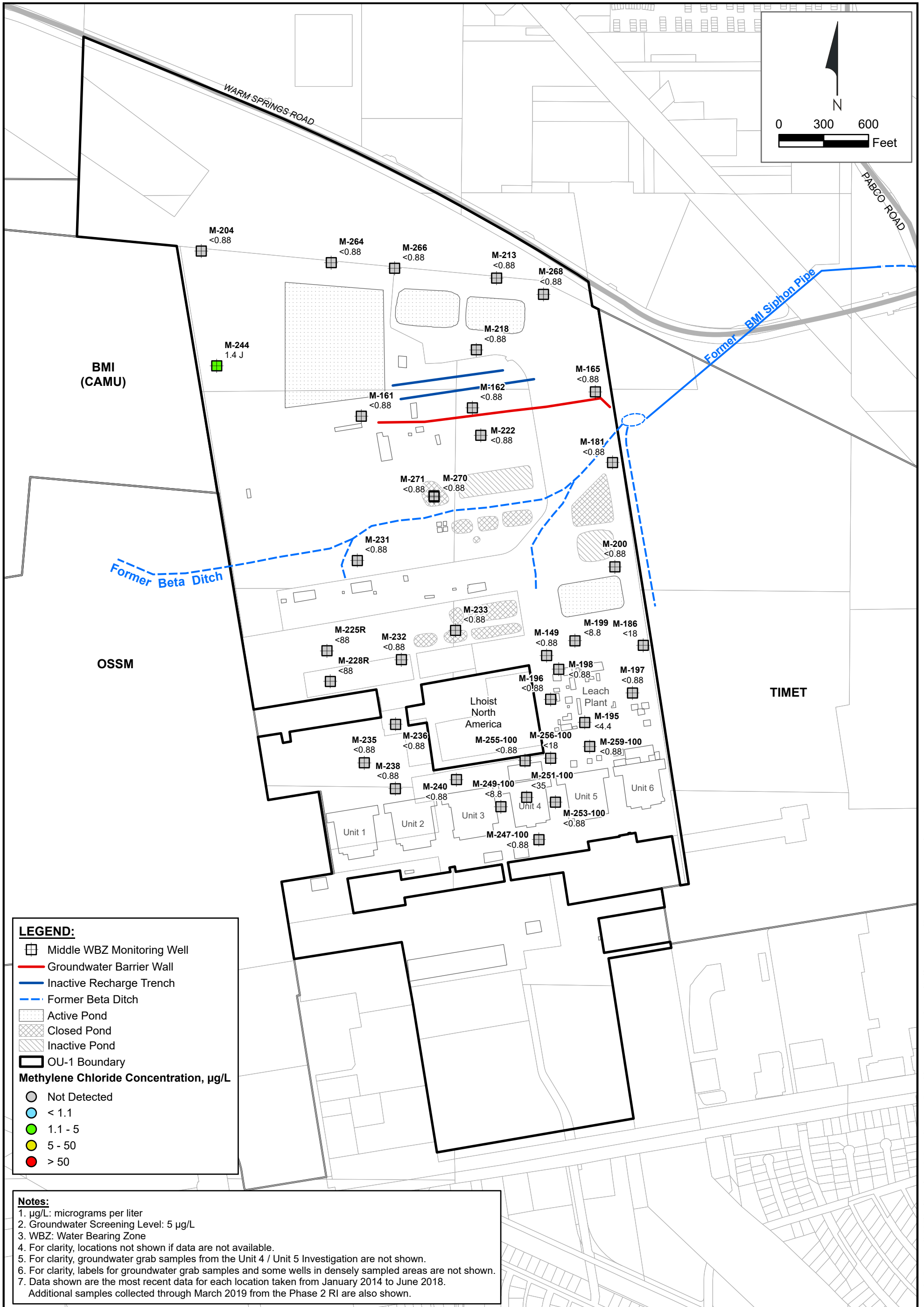
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-87b Methylene Chloride Upper Shallow



Methylene Chloride - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-87c

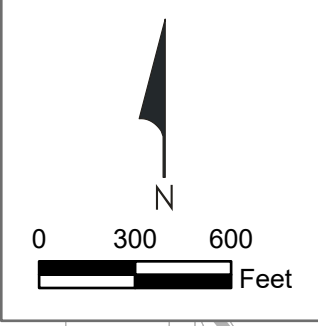
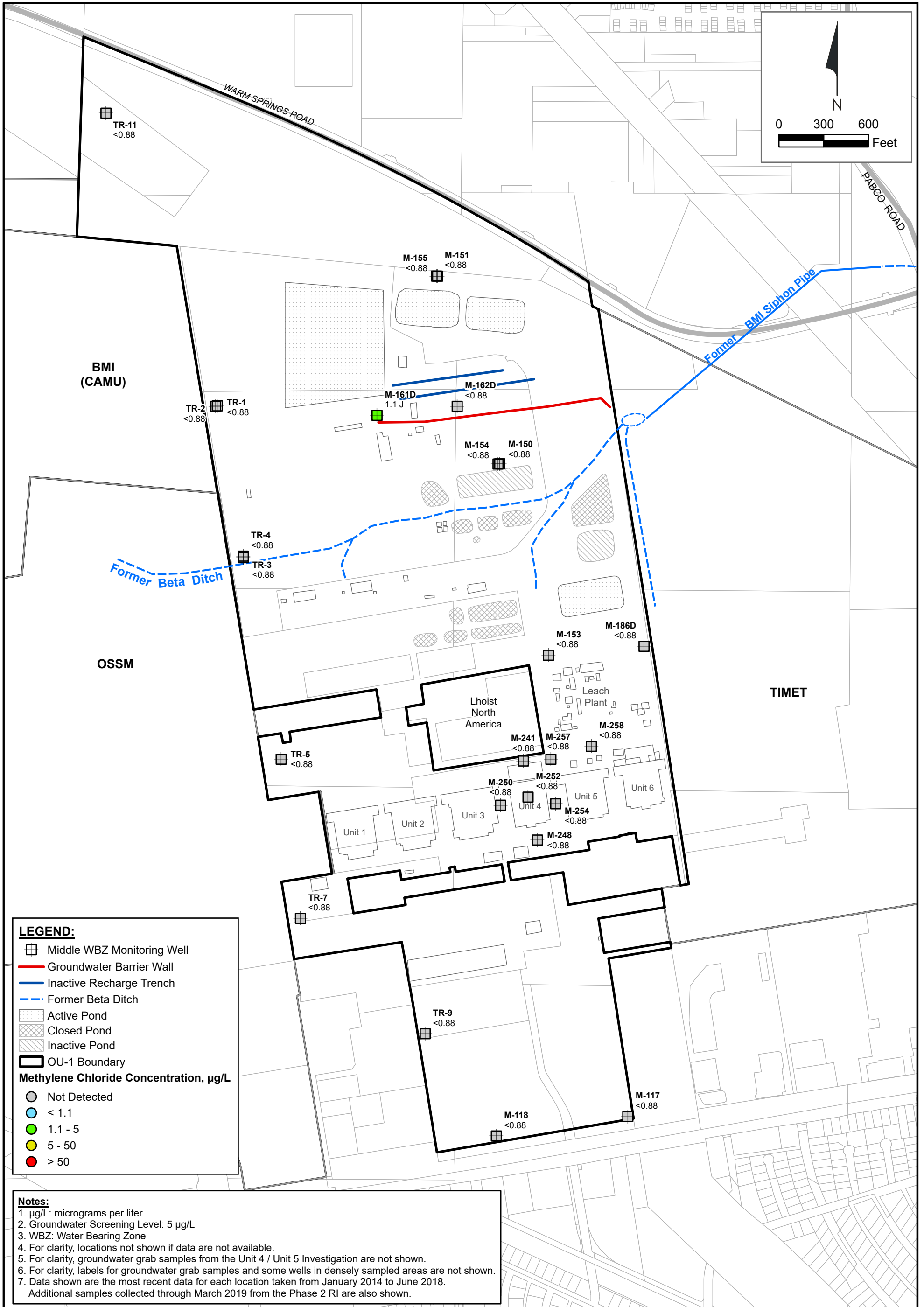
Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-87c Methylene Chloride Lower Shallow



Methylene Chloride - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-87d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-87d Methylene Chloride Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Methylene Chloride Concentration, $\mu\text{g/L}$

- Not Detected
- < 1.1
- $1.1 - 5$
- $5 - 50$
- > 50

Notes:

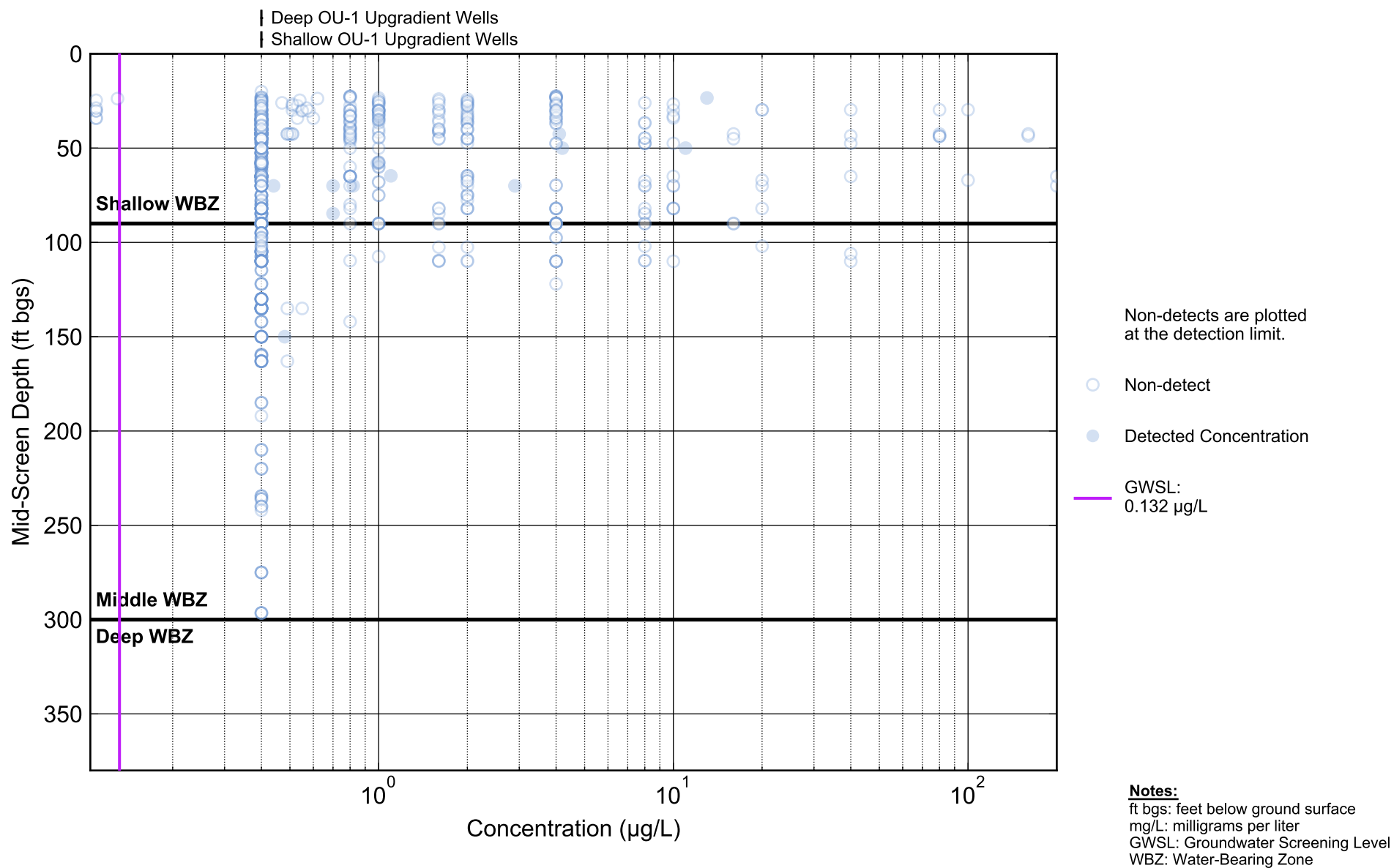
1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: $5\ \mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Methylene Chloride - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-87e

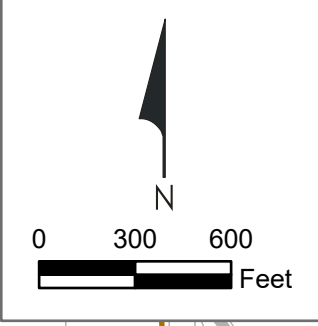
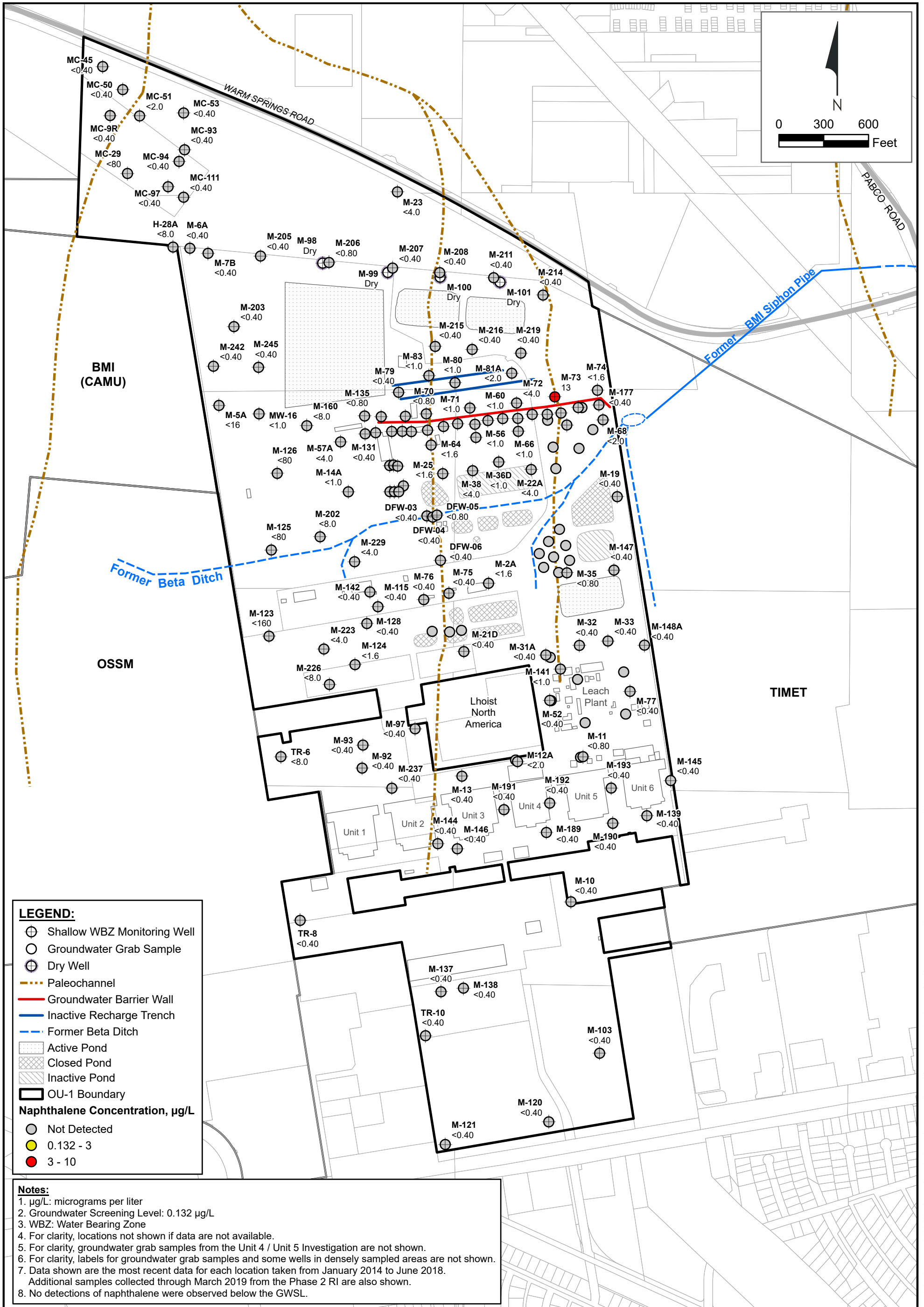
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-87e Methylene Chloride Lower Middle



OU-1 Naphthalene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

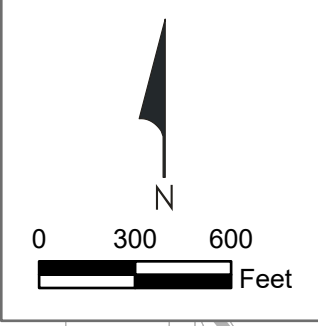
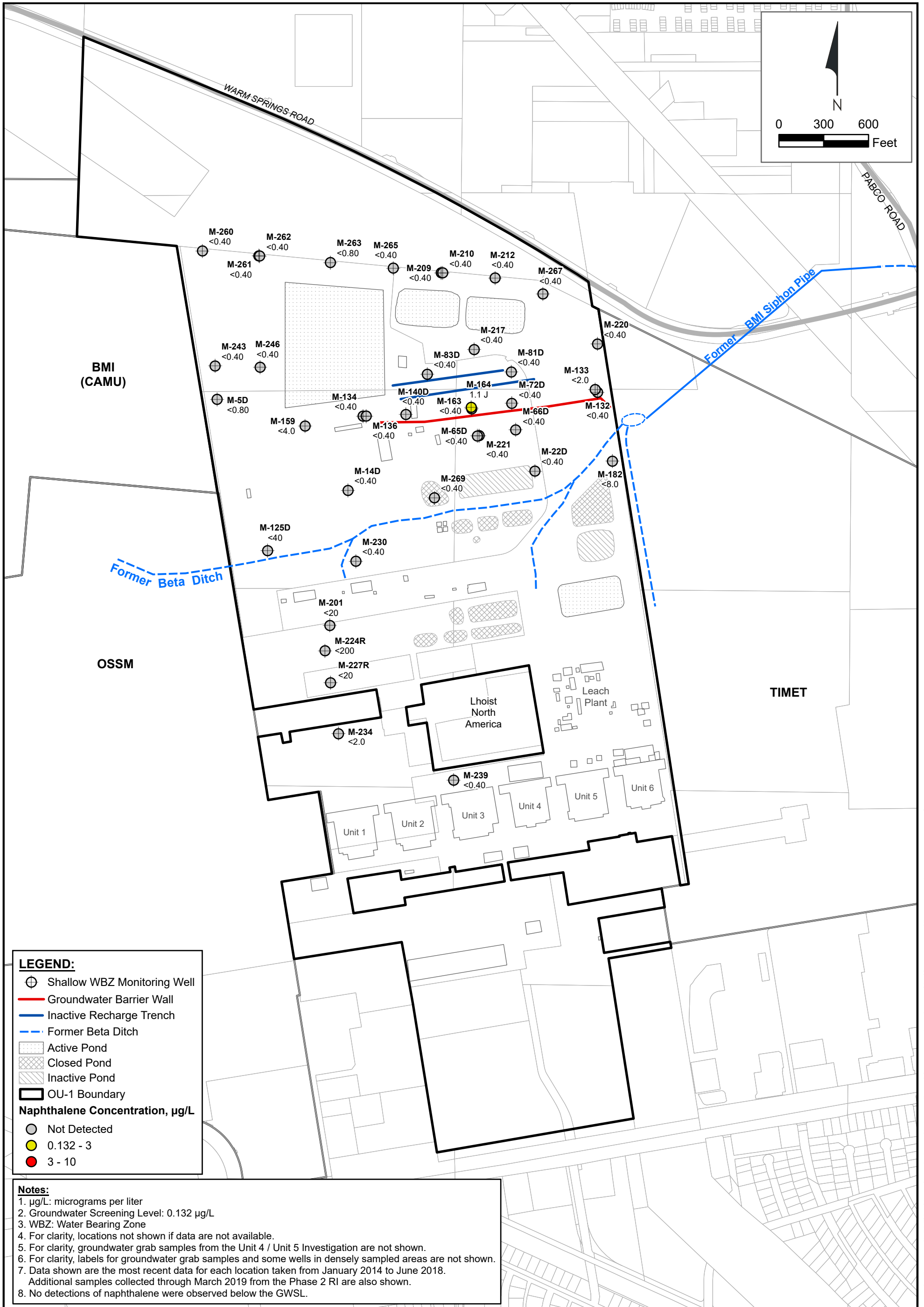
7-88a



Naphthalene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-88b

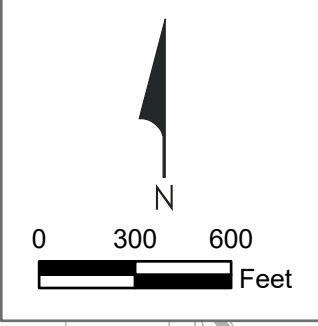
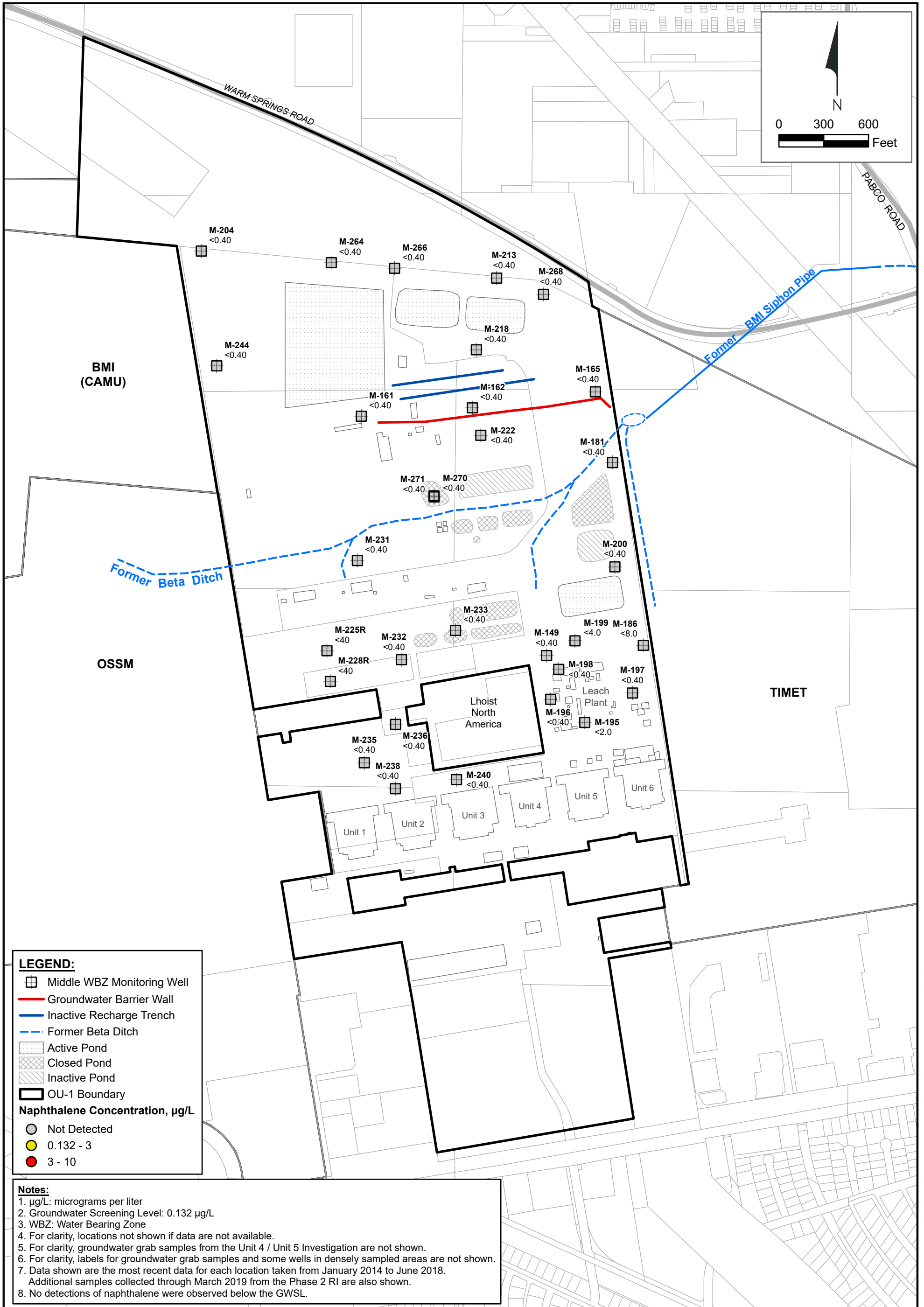
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Naphthalene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-88c

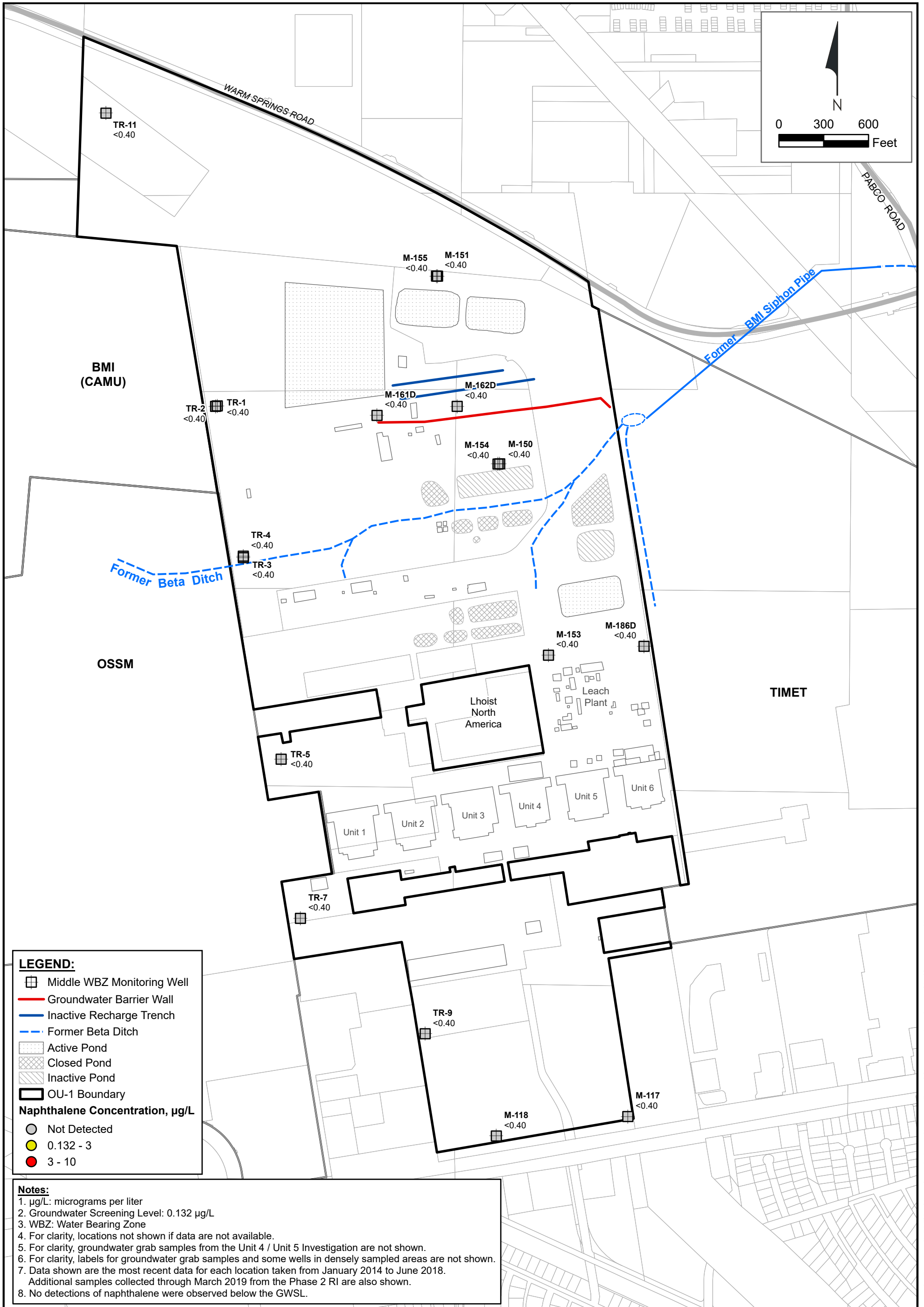
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-88c Naphthalene Lower Shallow



Naphthalene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-88d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-88d Naphthalene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Naphthalene Concentration, µg/L

- Not Detected
- 0.132 - 3
- 3 - 10

Notes:

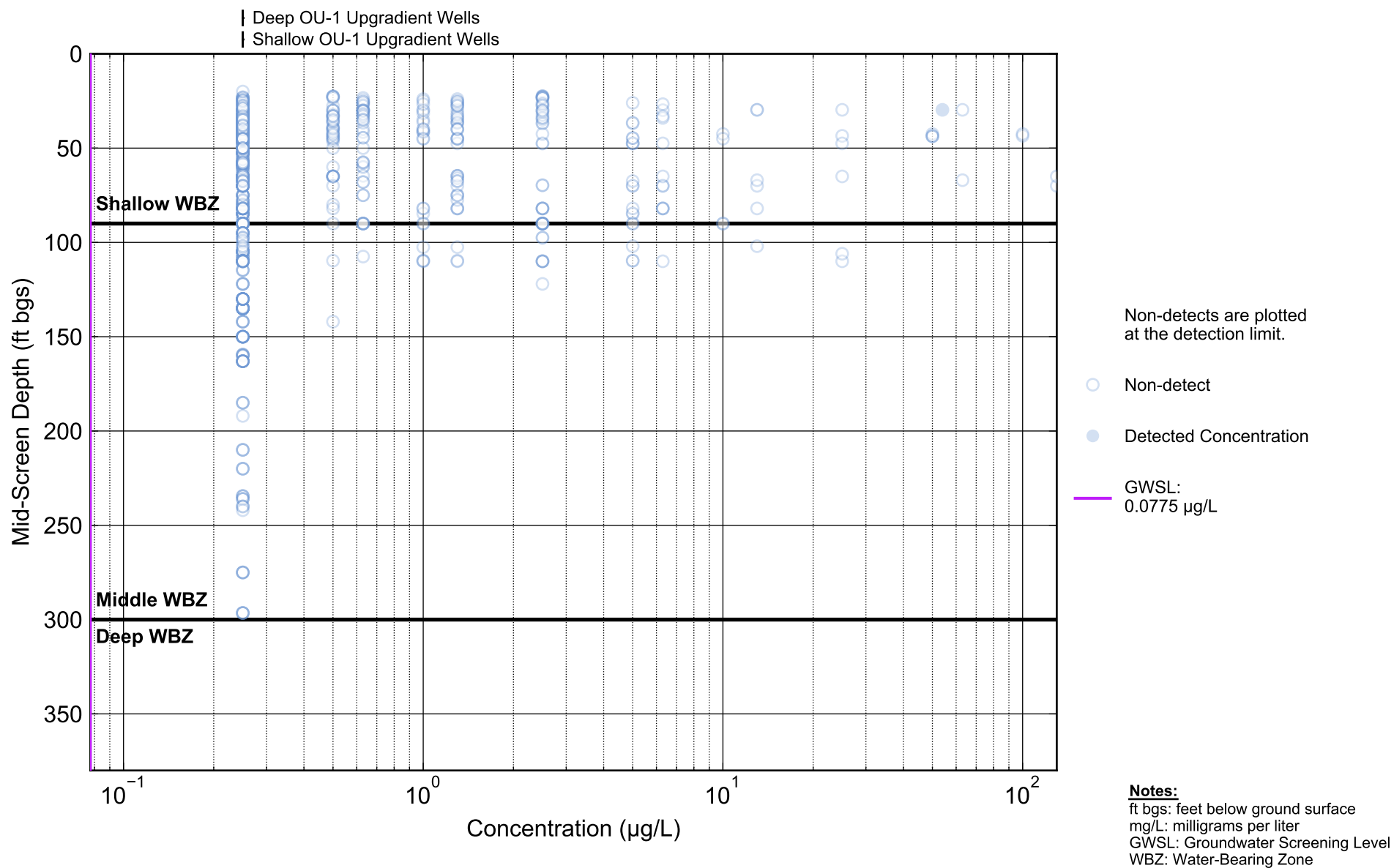
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 0.132 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of naphthalene were observed below the GWSL.



Naphthalene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-88e

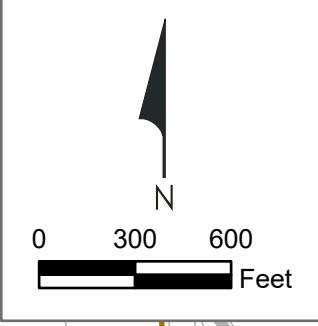
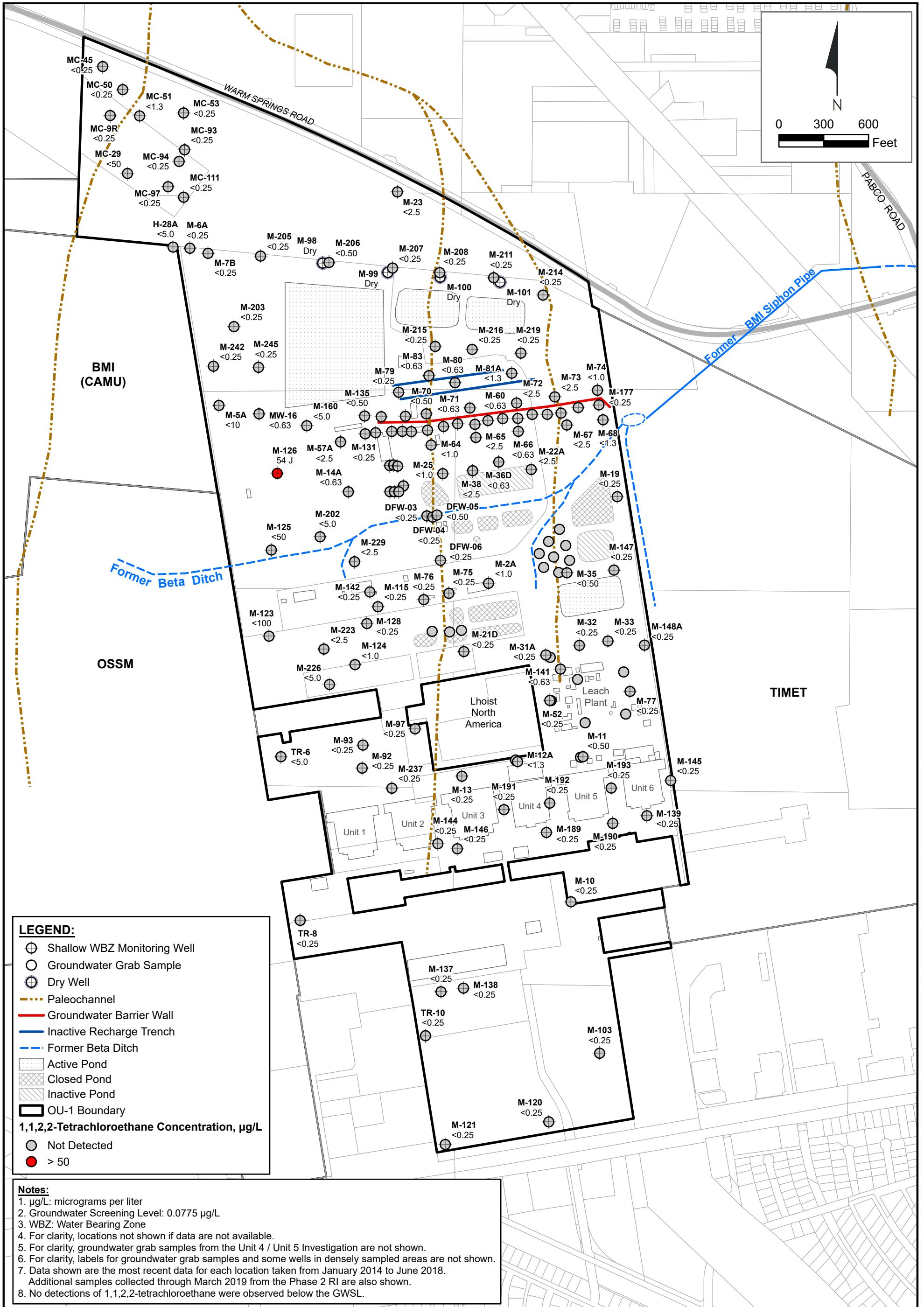
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-88e Naphthalene Lower Middle



OU-1 1,1,2,2-Tetrachloroethane Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-89a



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Grab Sample
- ⊖ Dry Well
- - - Paleochannel
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

1,1,2-Tetrachloroethane Concentration, µg/L

- Not Detected
- > 50

Notes:

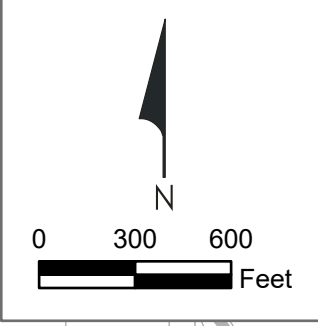
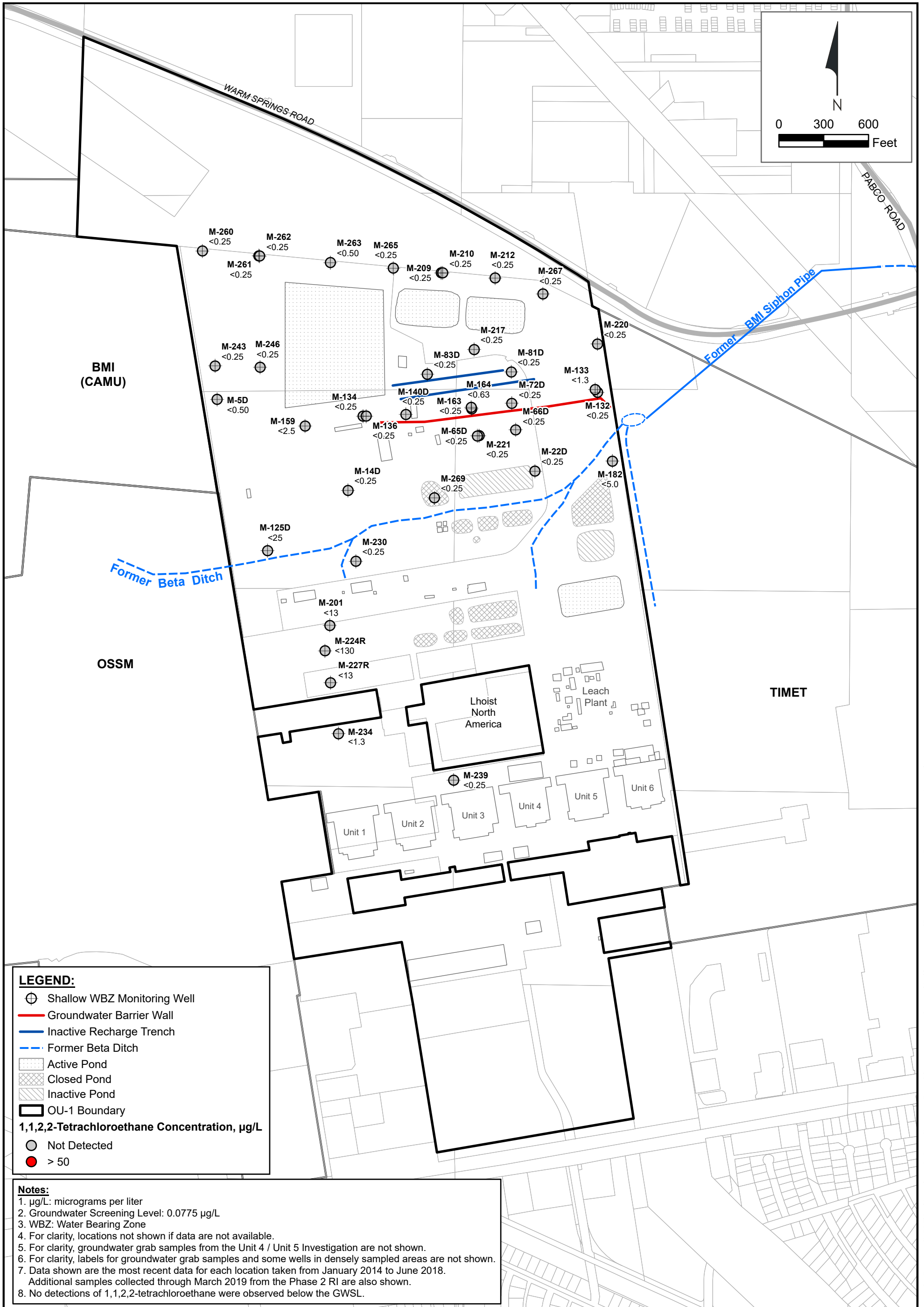
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 0.0775 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of 1,1,2-tetrachloroethane were observed below the GWSL.



1,1,2-Tetrachloroethane - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-89b

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-89b 1,1,2-Tetrachloroethane Upper Shallow



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

1,1,2-Tetrachloroethane Concentration, $\mu\text{g/L}$

- Not Detected
- > 50

Notes:

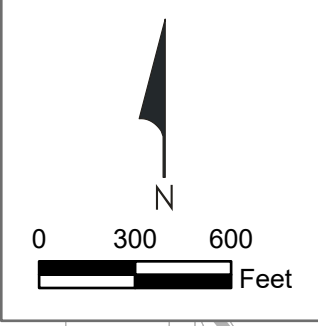
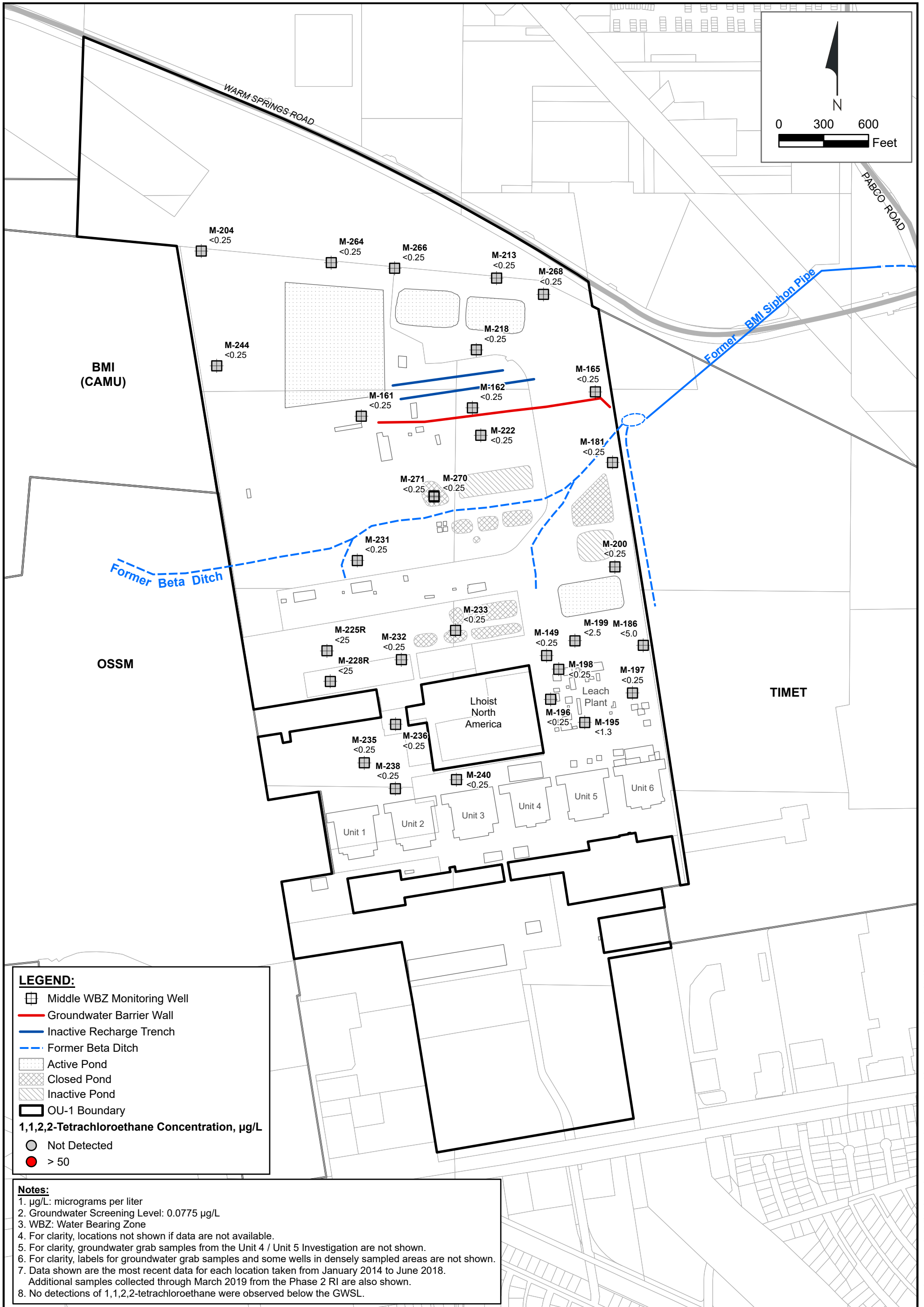
1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: $0.0775\ \mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of 1,1,2-tetrachloroethane were observed below the GWSL.



1,1,2-Tetrachloroethane - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-89c

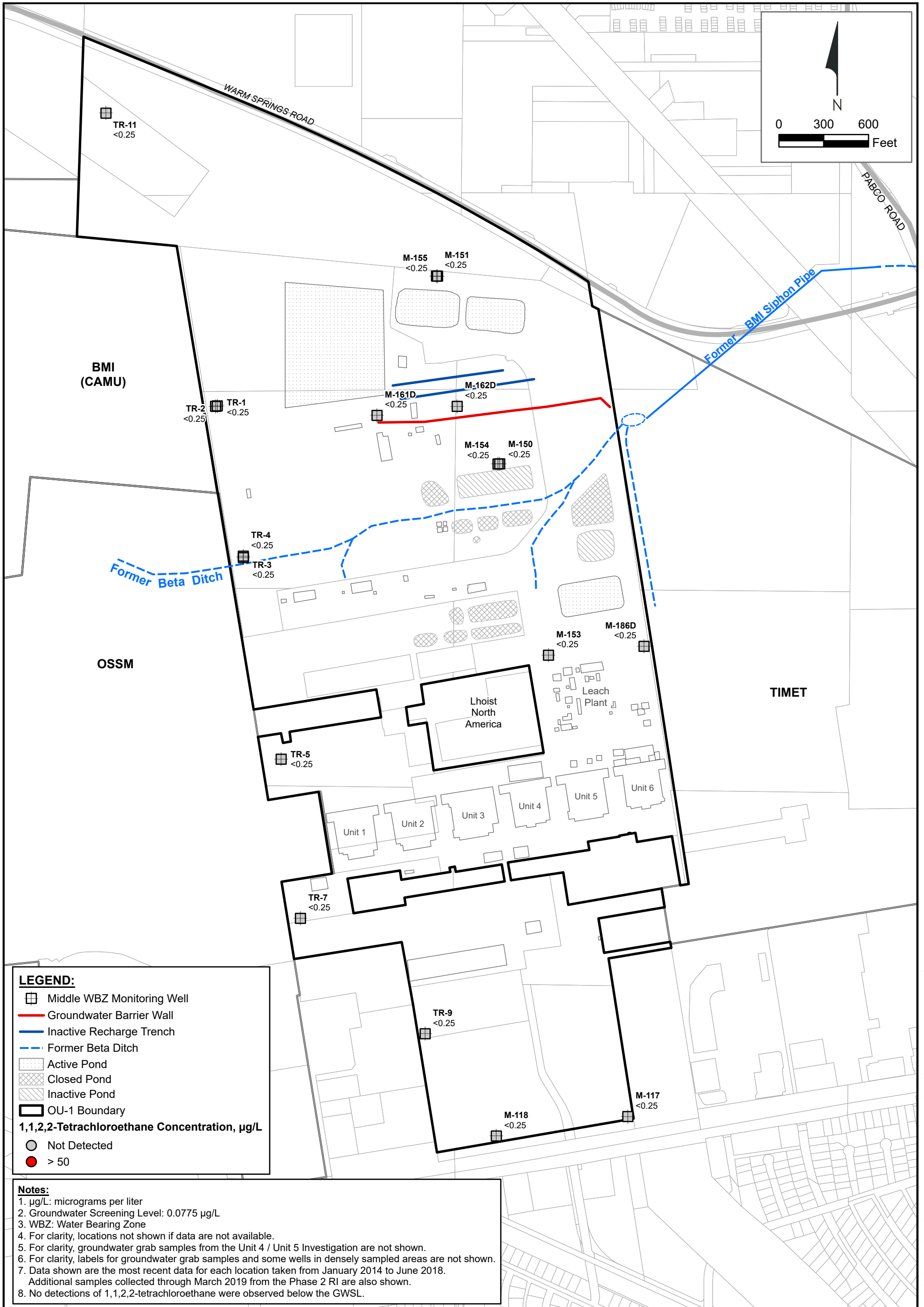
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1,1,2,2-Tetrachloroethane - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-89d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-89d 1,1,2,2-Tetrachloroethane Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary
- 1,1,2,2-Tetrachloroethane Concentration, µg/L**
- Not Detected
- > 50

Notes:

1. µg/L: micrograms per liter
2. Groundwater Screening Level: 0.0775 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of 1,1,2,2-tetrachloroethane were observed below the GWSL.



1,1,2,2-Tetrachloroethane - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-89e

Drafter: JC

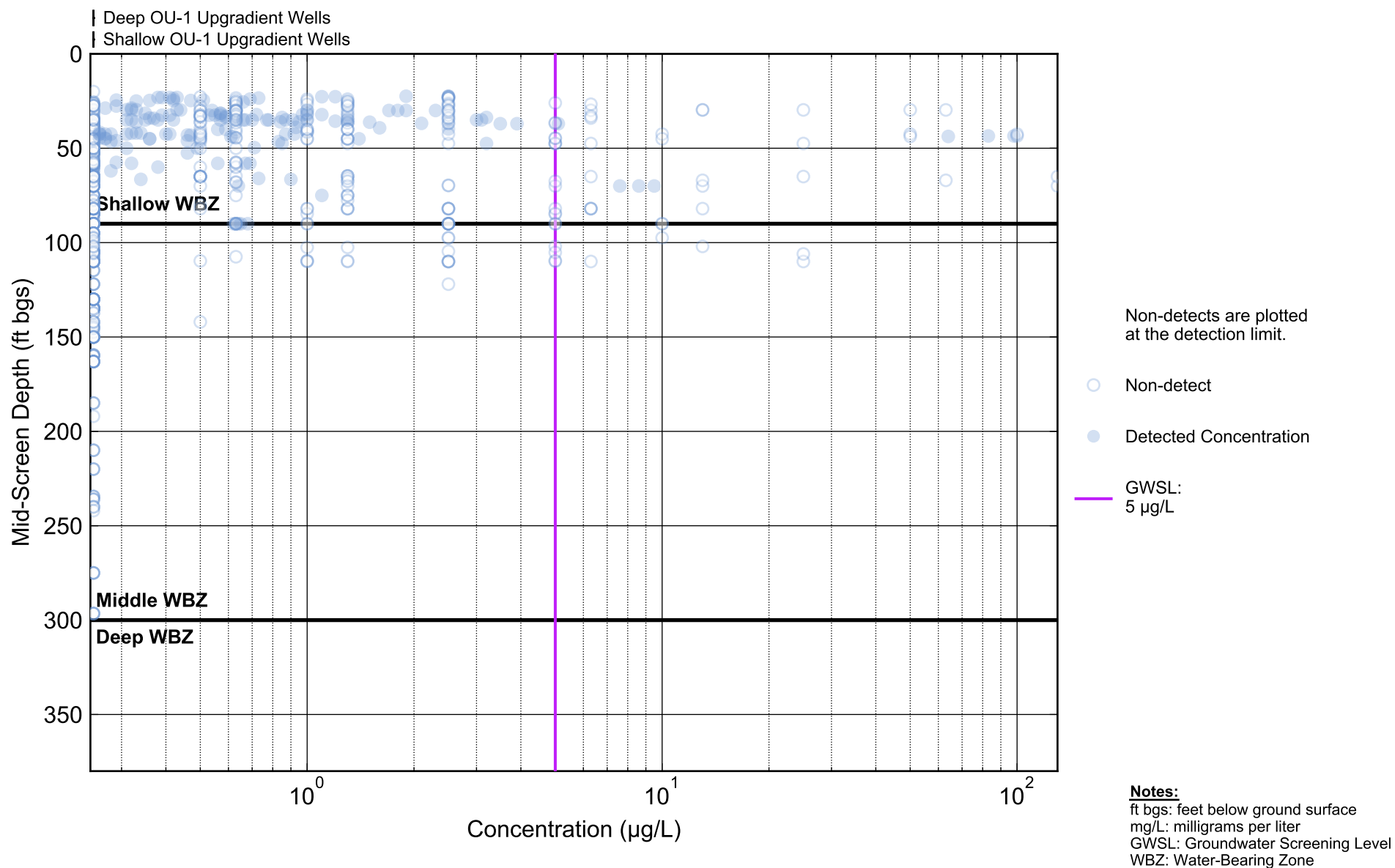
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

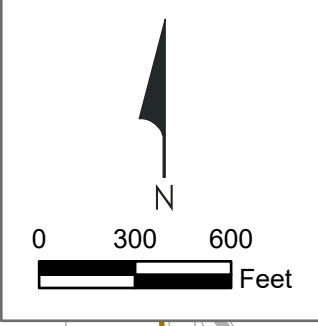
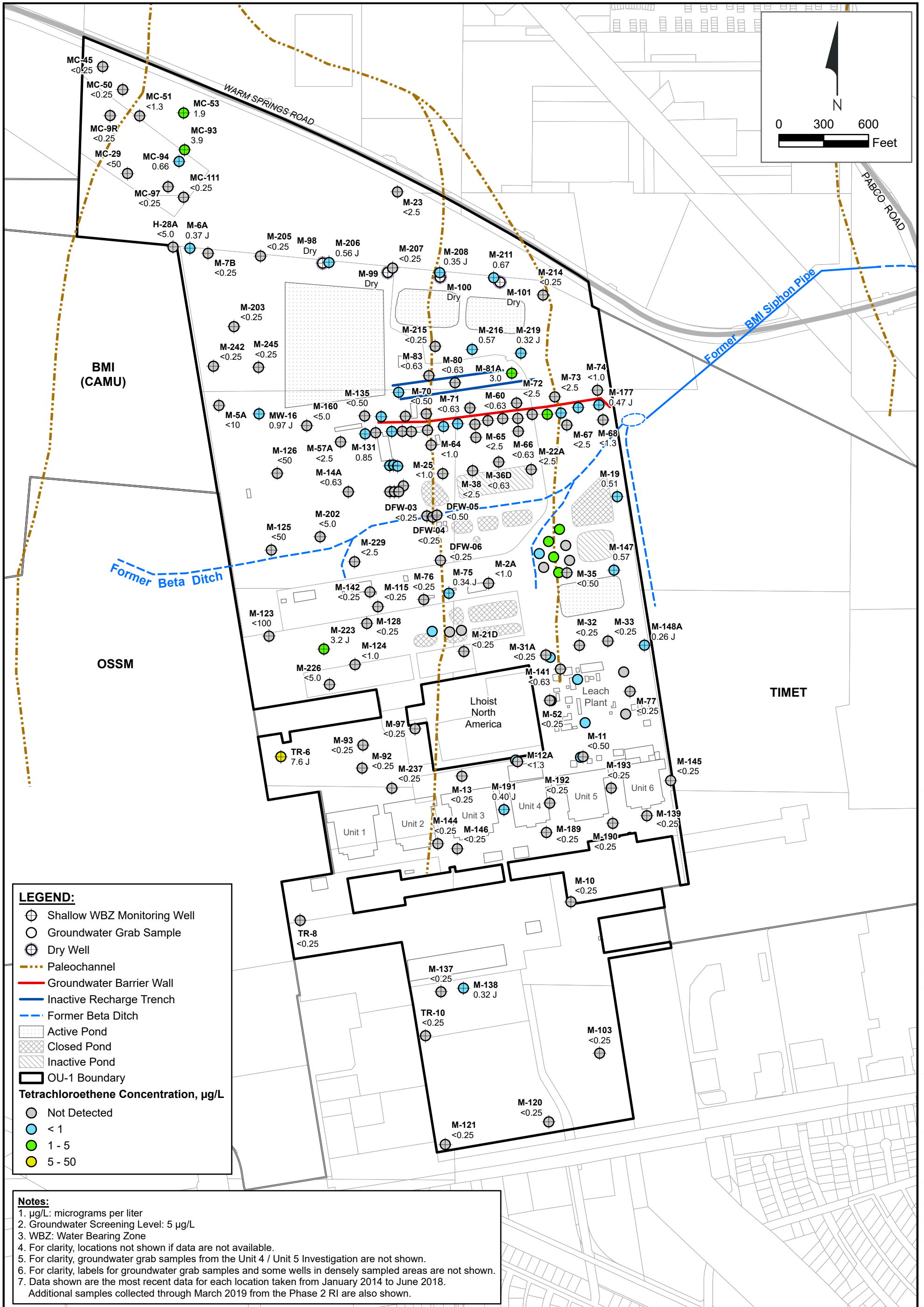
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OU-1 Tetrachloroethene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

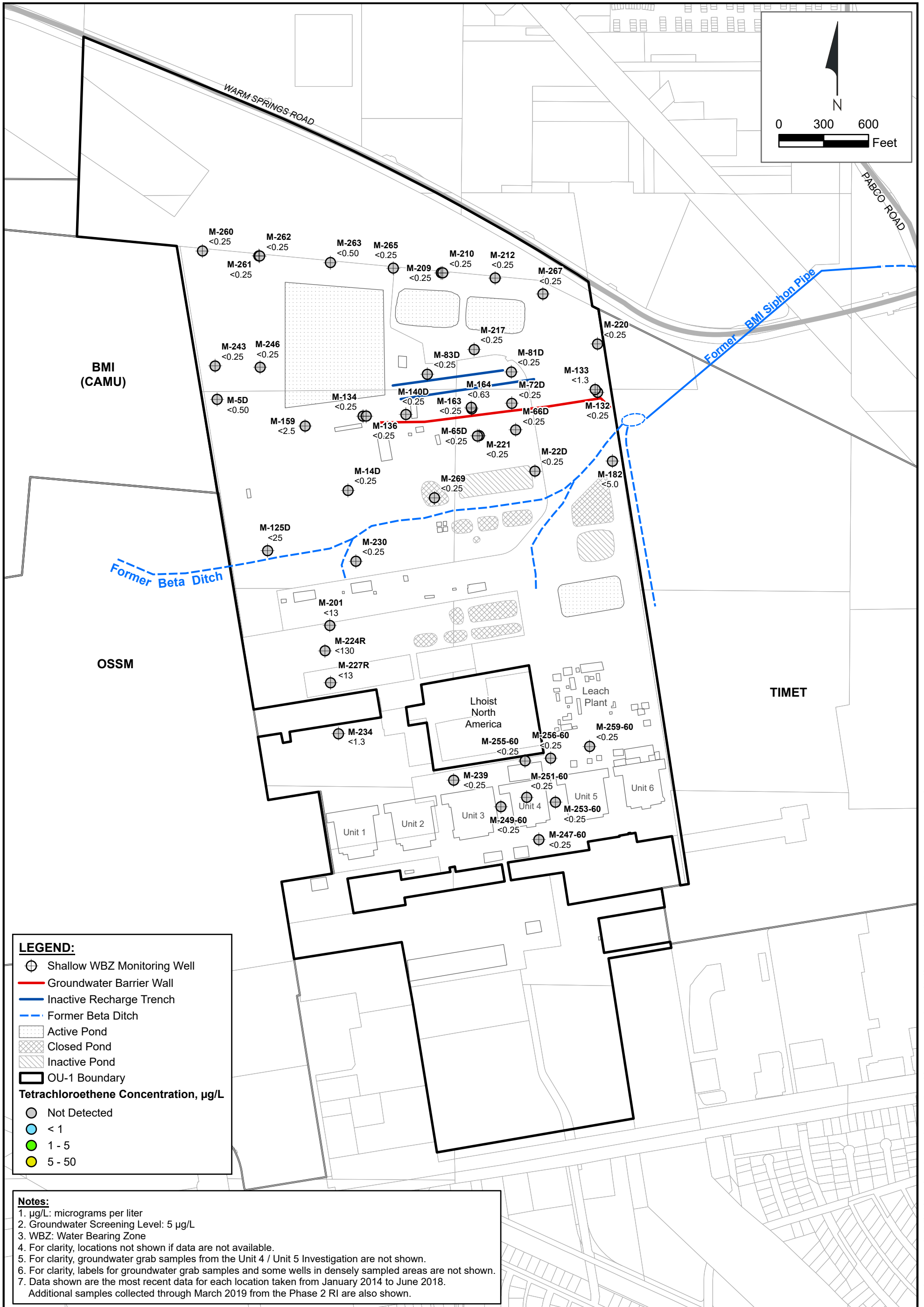
7-90a



Tetrachloroethene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-90b

Path: H:\LePetomane\NERT\RI_OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4_aprx\Figure 7-90b Tetrachloroethene Upper Shallow



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

Tetrachloroethene Concentration, µg/L

- Not Detected
- < 1
- 1 - 5
- 5 - 50

Notes:

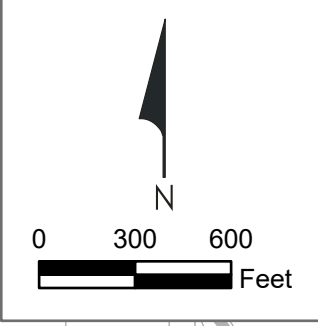
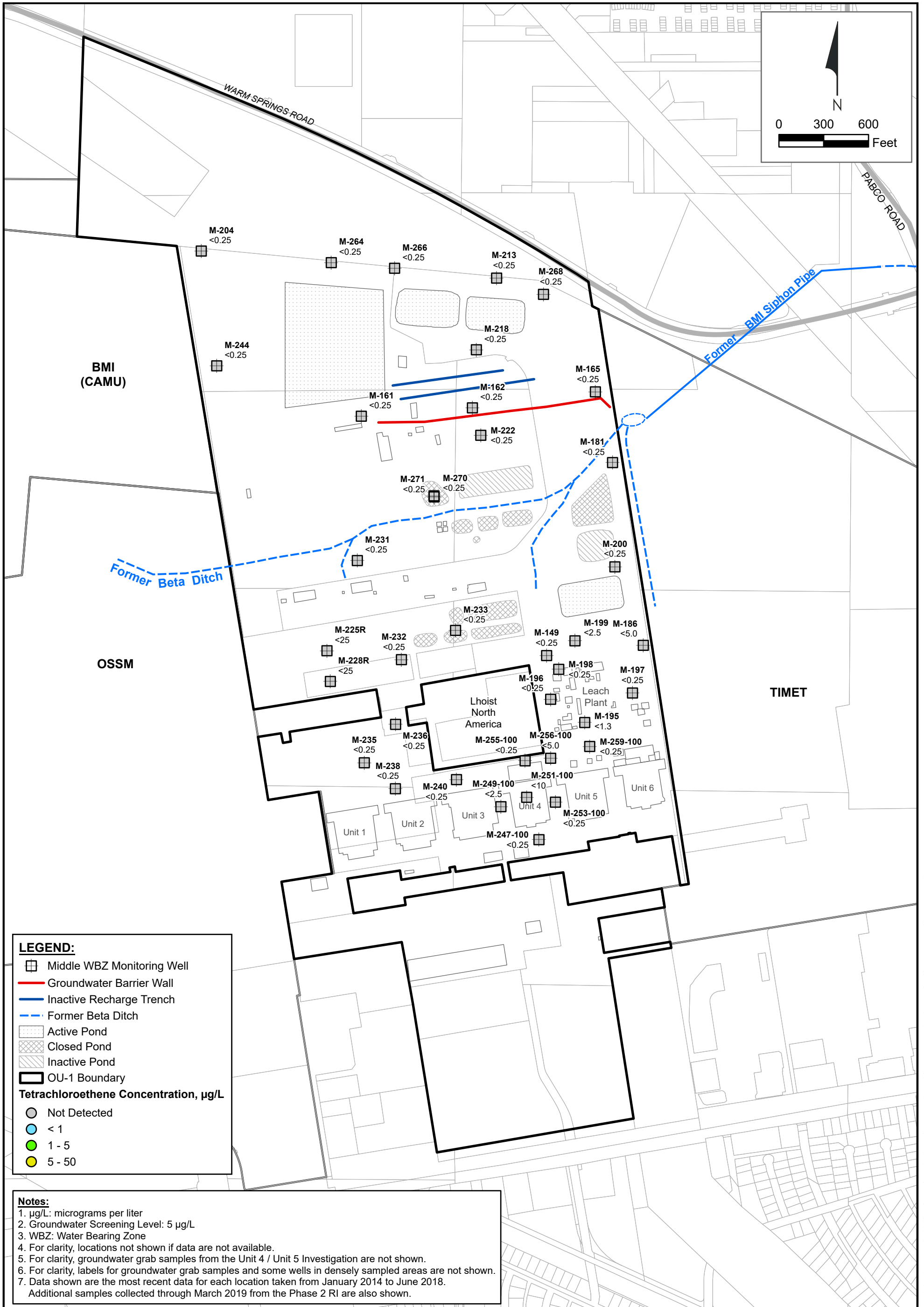
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 5 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Tetrachloroethene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-90c

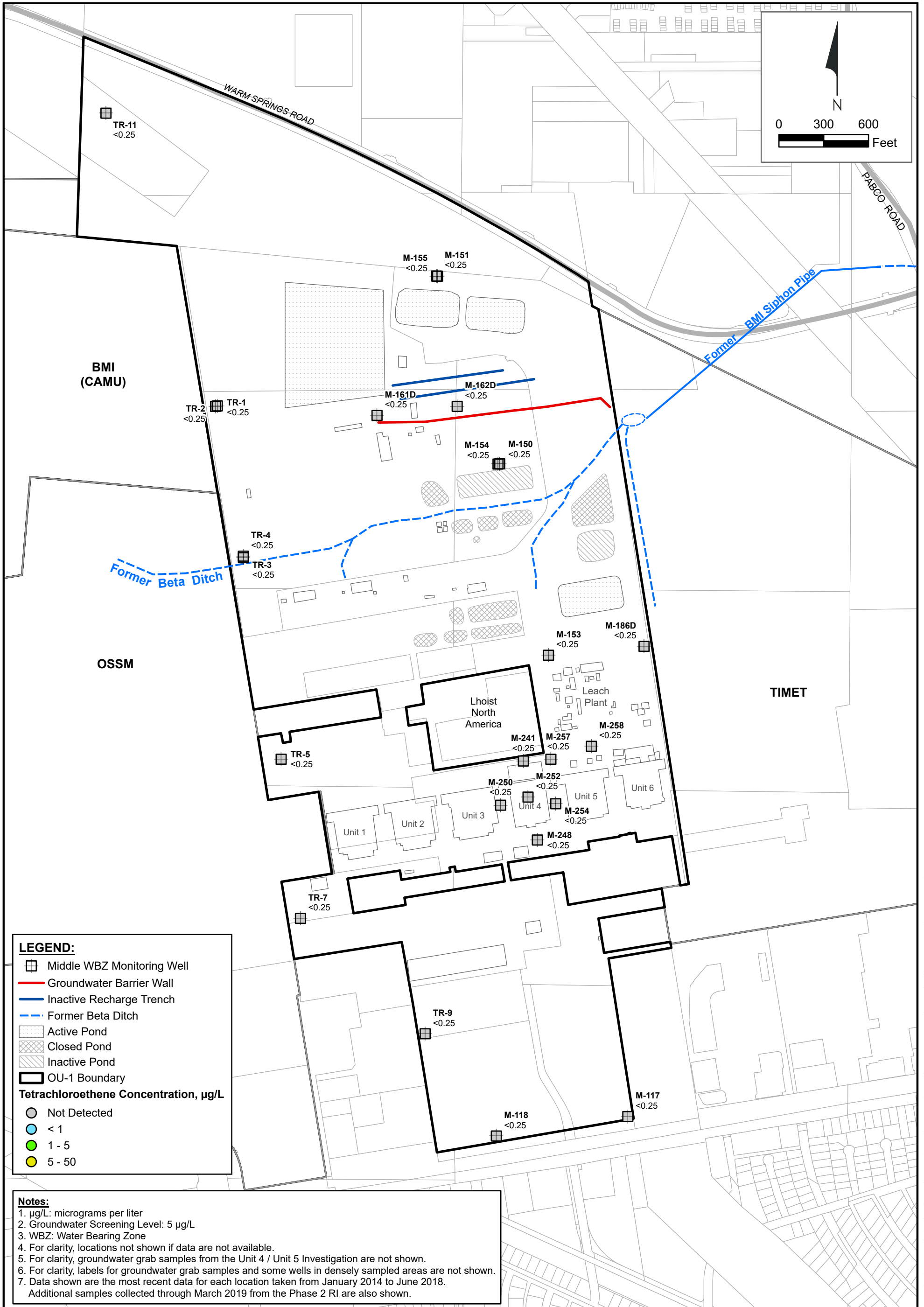
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Tetrachloroethene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-90d

Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_4.aprx\Figure 7-90d Tetrachloroethene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Tetrachloroethene Concentration, µg/L

- Not Detected
- < 1
- 1 - 5
- 5 - 50

Notes:

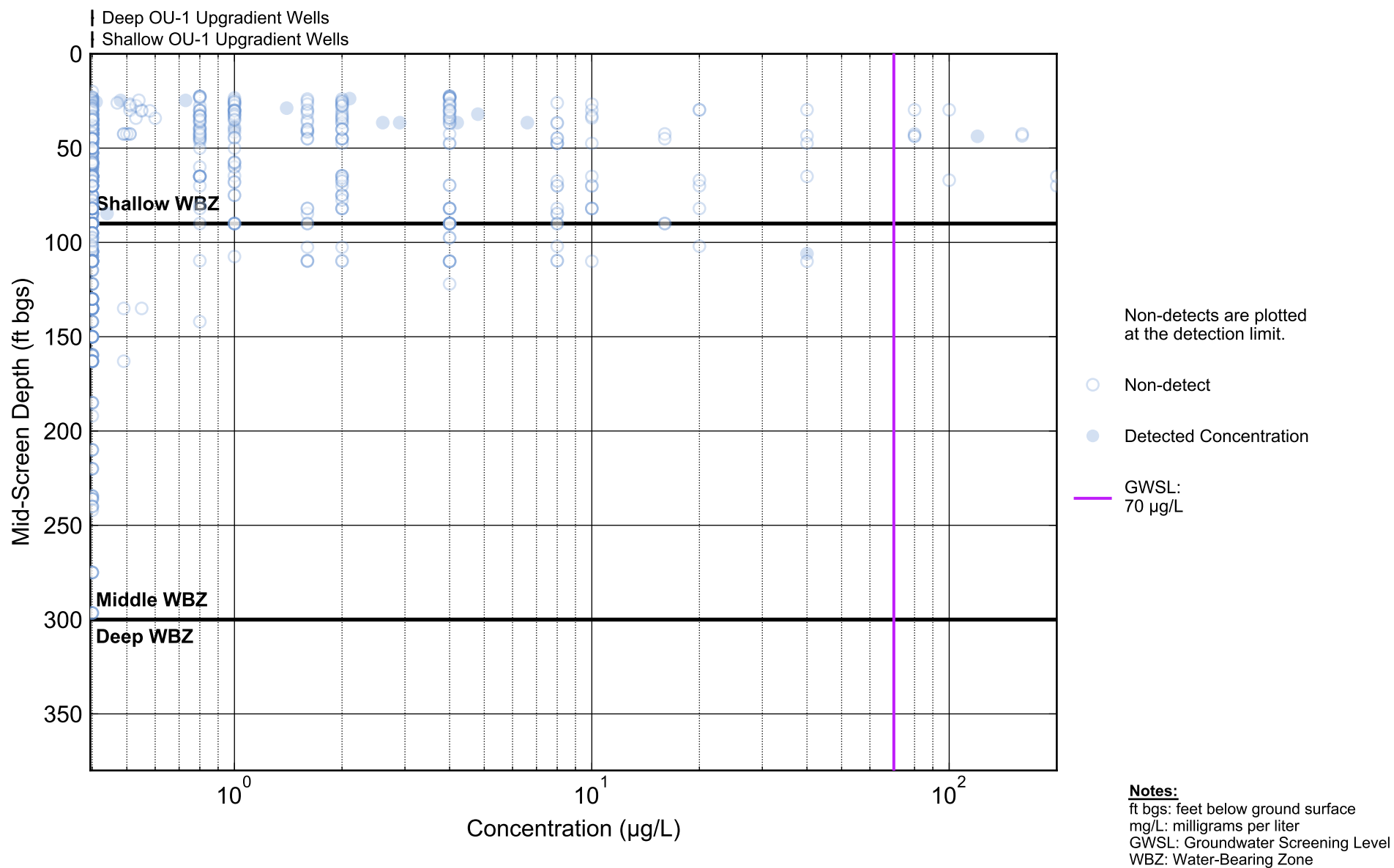
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 5 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Tetrachloroethene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-90e

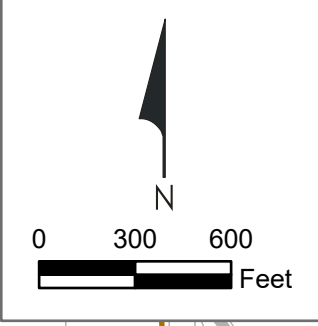
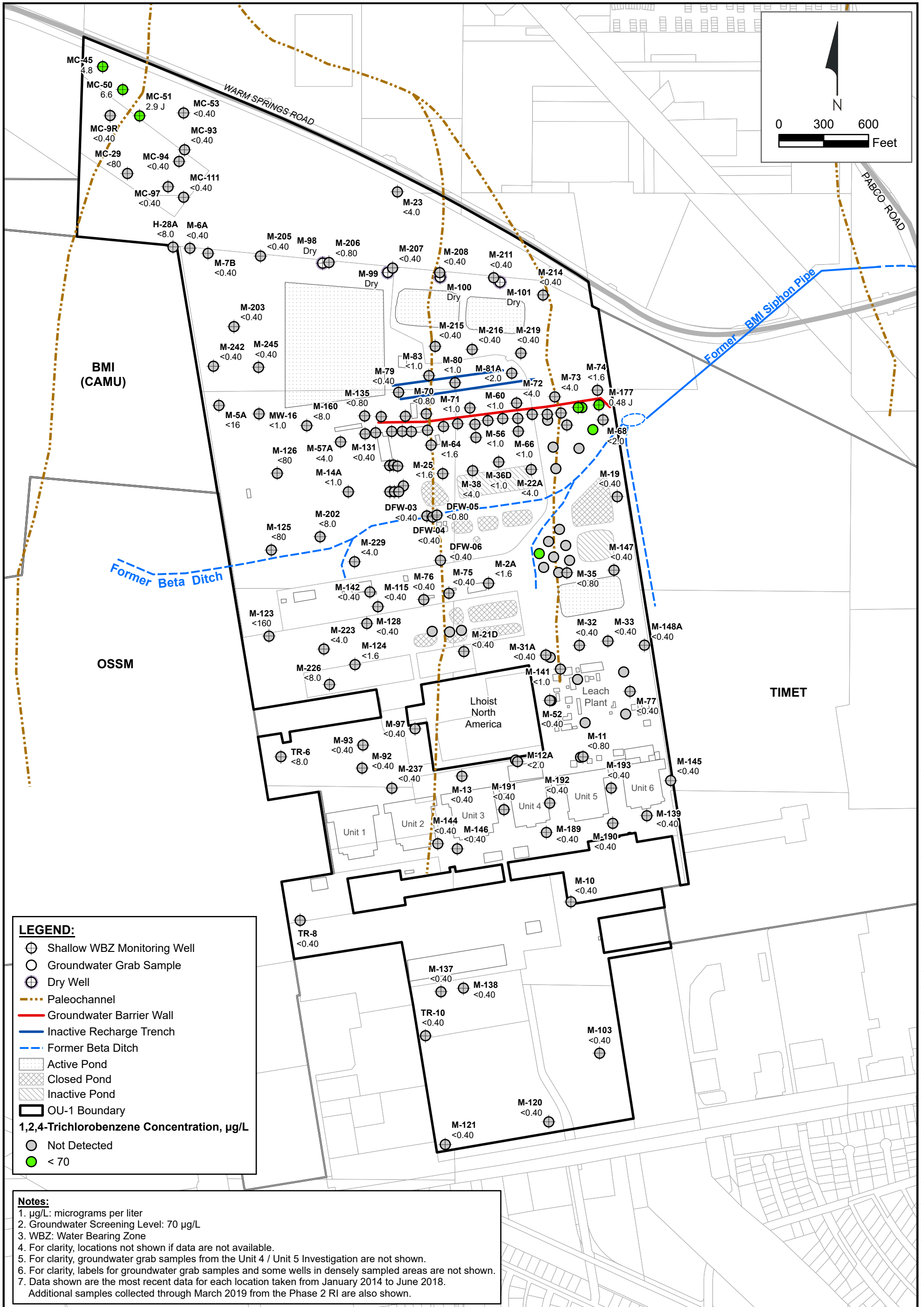
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OU-1 1,2,4-Trichlorobenzene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

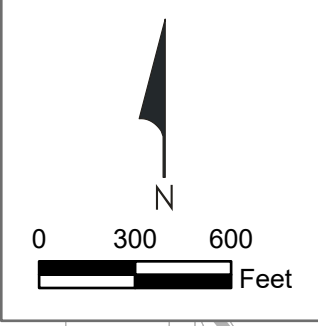
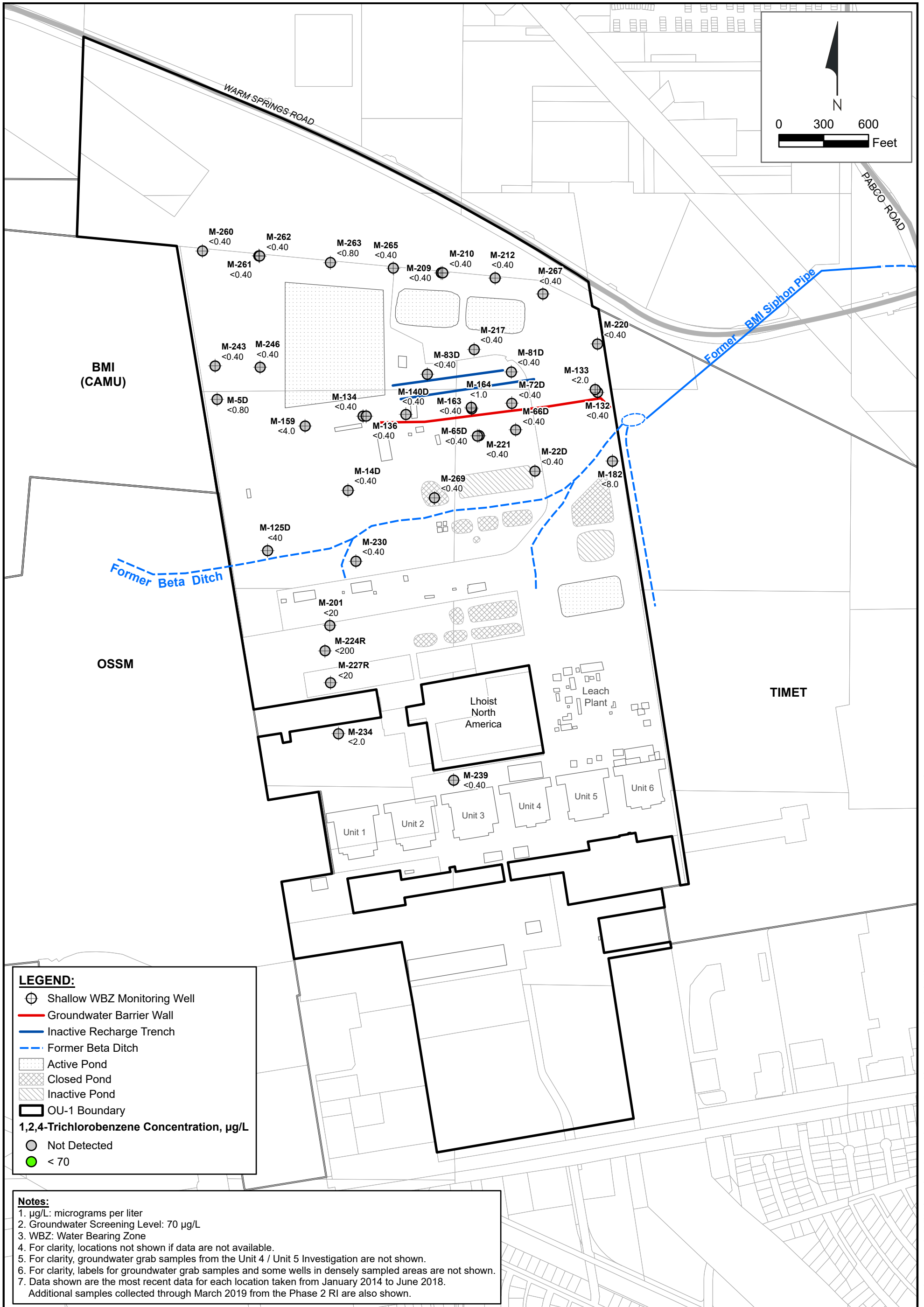
7-91a



1,2,4-Trichlorobenzene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-91b

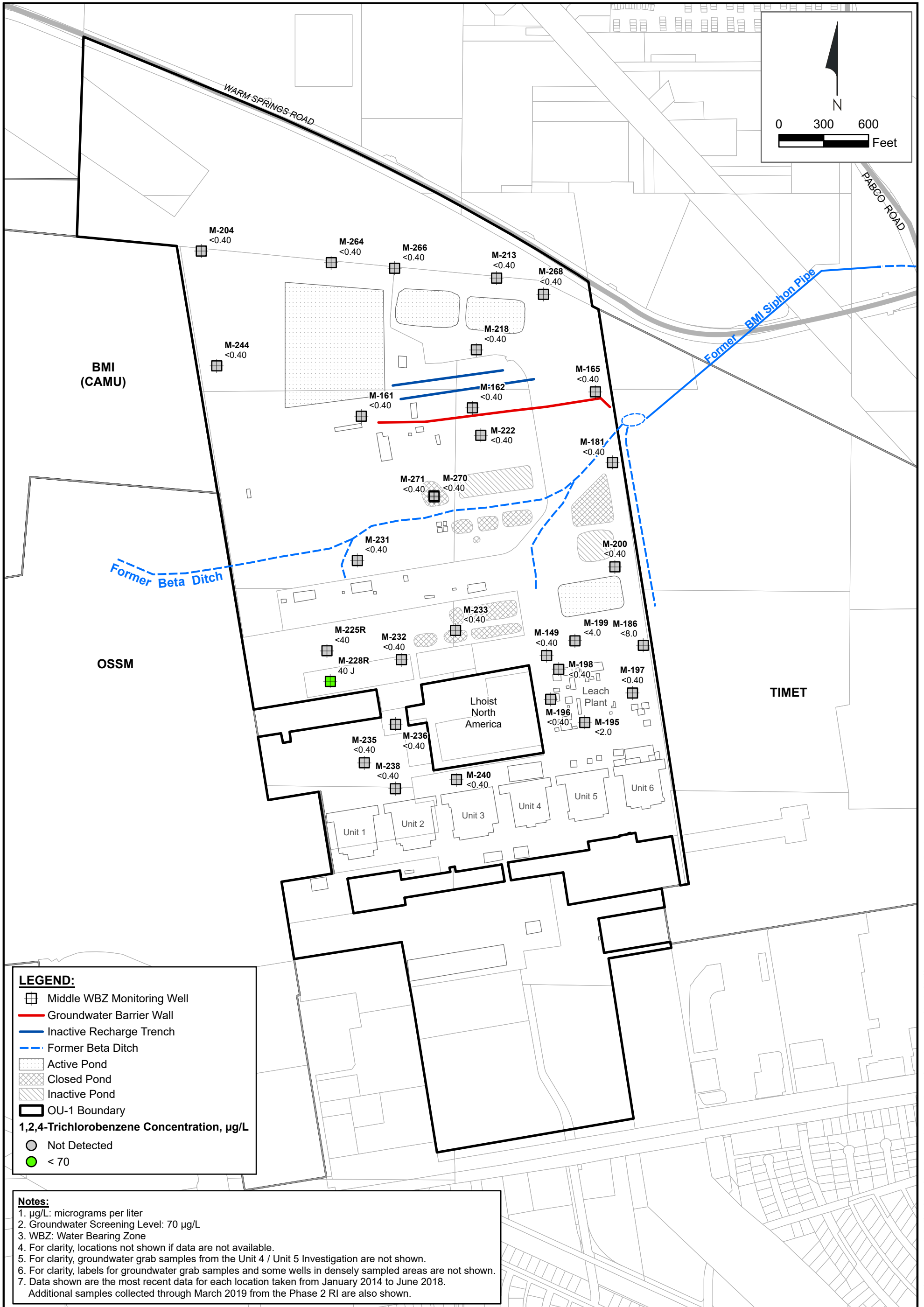
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-91b 1,2,4-Trichlorobenzene Upper Shallow



1,2,4-Trichlorobenzene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-91c

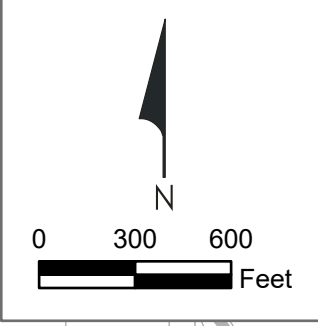
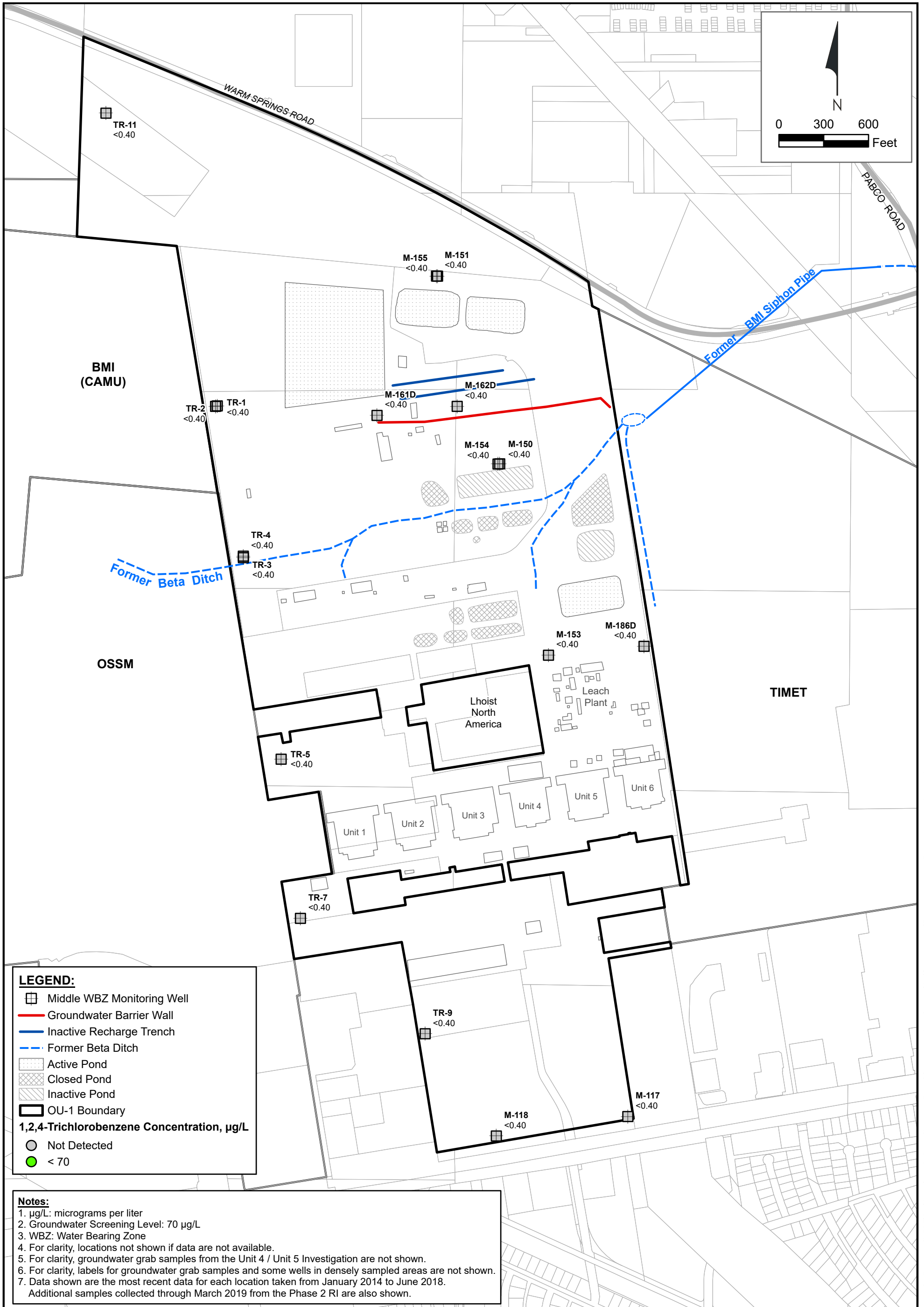
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-91c 1,2,4-Trichlorobenzene Lower Shallow



1,2,4-Trichlorobenzene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-91d

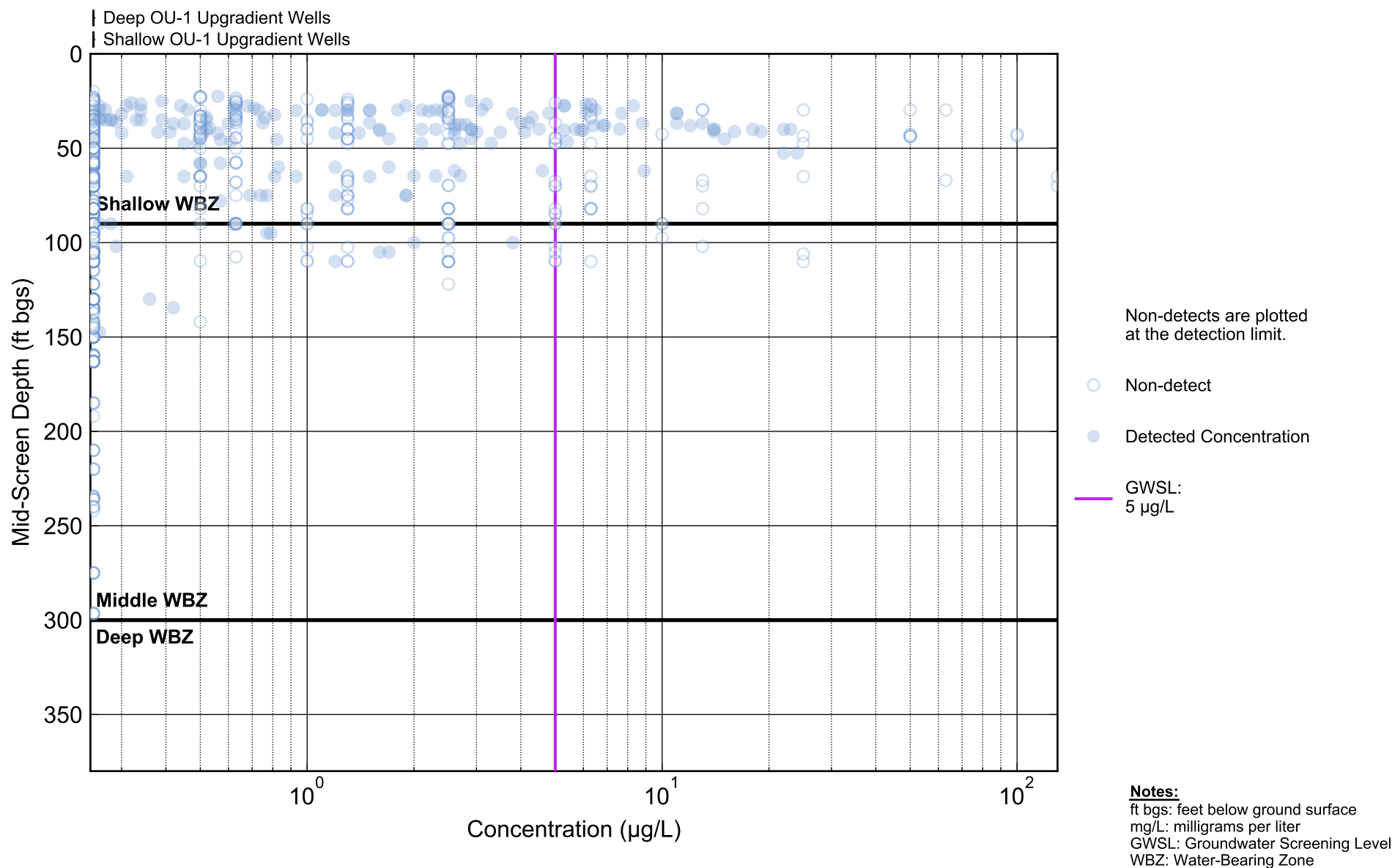
Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-91d 1,2,4-Trichlorobenzene Upper Middle



1,2,4-Trichlorobenzene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-91e

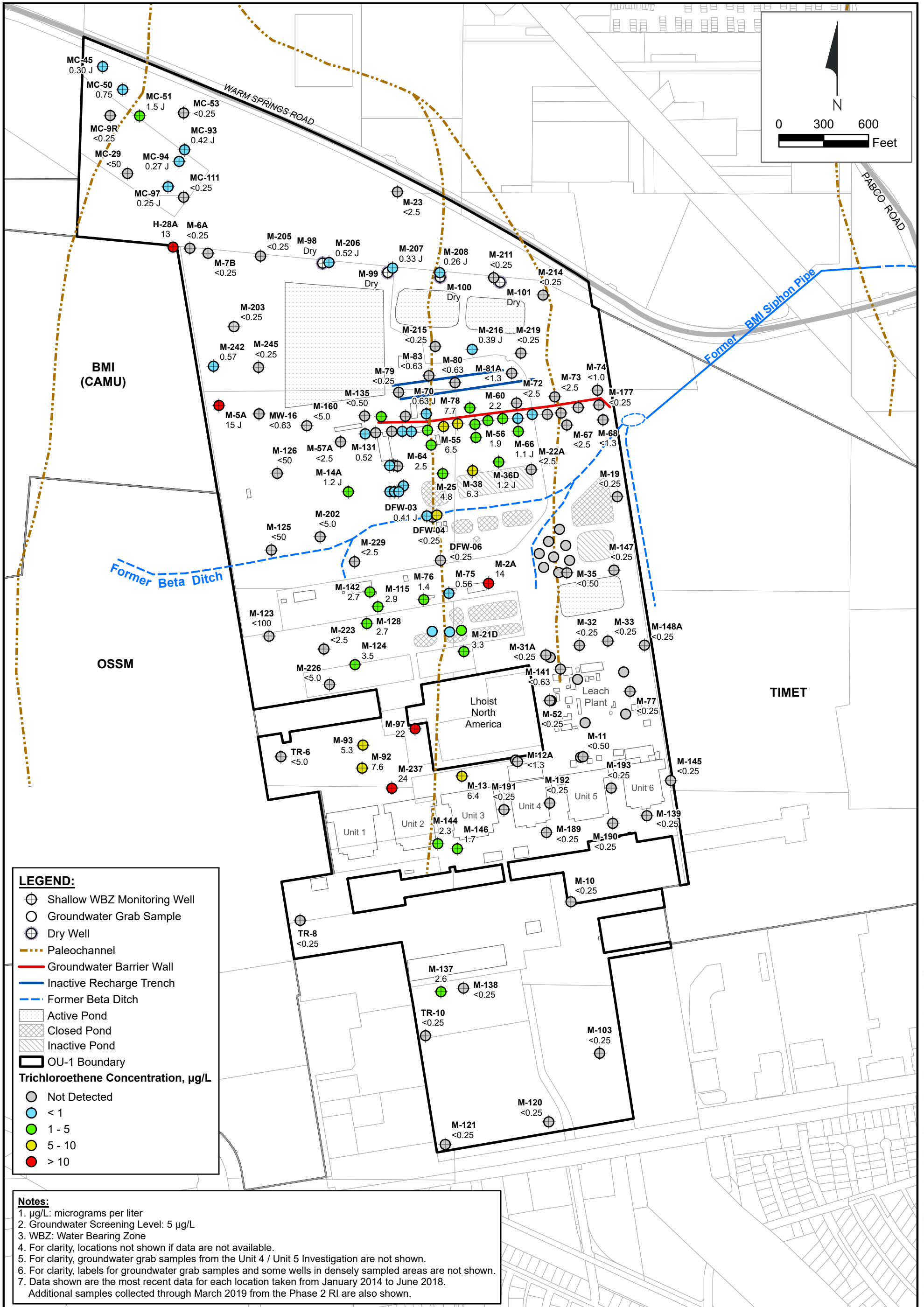
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OU-1 Trichloroethene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-92a



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Grab Sample
- ⊖ Dry Well

- Paleochannel
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch

- ▨ Active Pond
- ▨ Closed Pond
- ▨ Inactive Pond
- ▭ OU-1 Boundary

Trichloroethene Concentration, µg/L

- Not Detected
- < 1
- 1 - 5
- 5 - 10
- > 10

Notes:

1. µg/L: micrograms per liter
2. Groundwater Screening Level: 5 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Trichloroethene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-92b

Drafter: JC

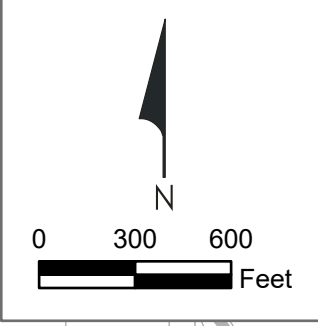
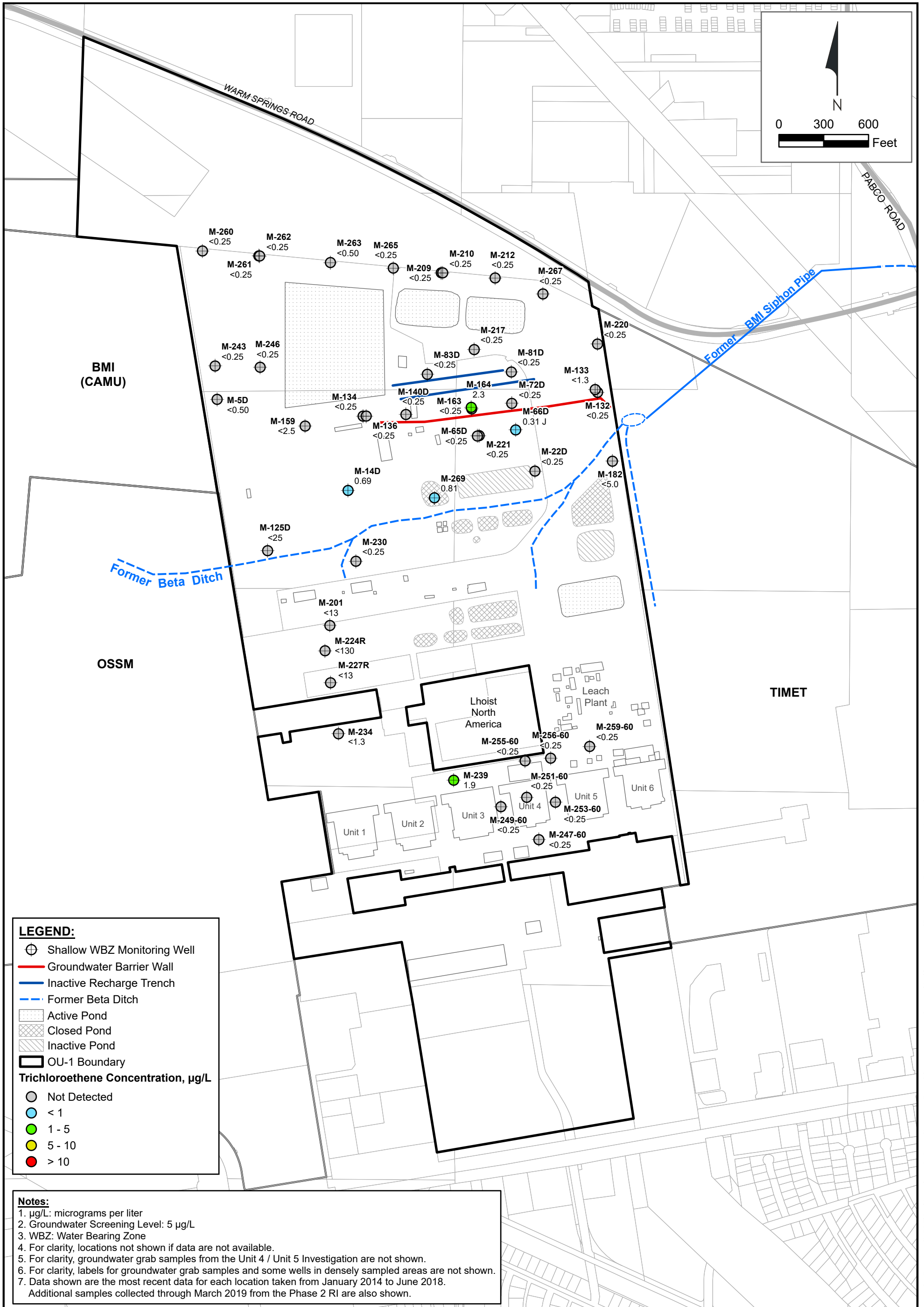
Date: 2023-01-11

Contract Number: 169002 9369

Approved by:

Revised:

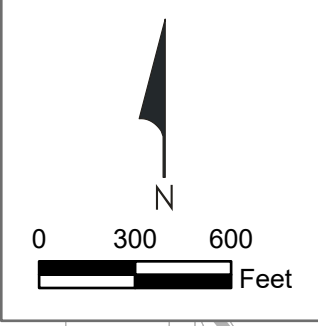
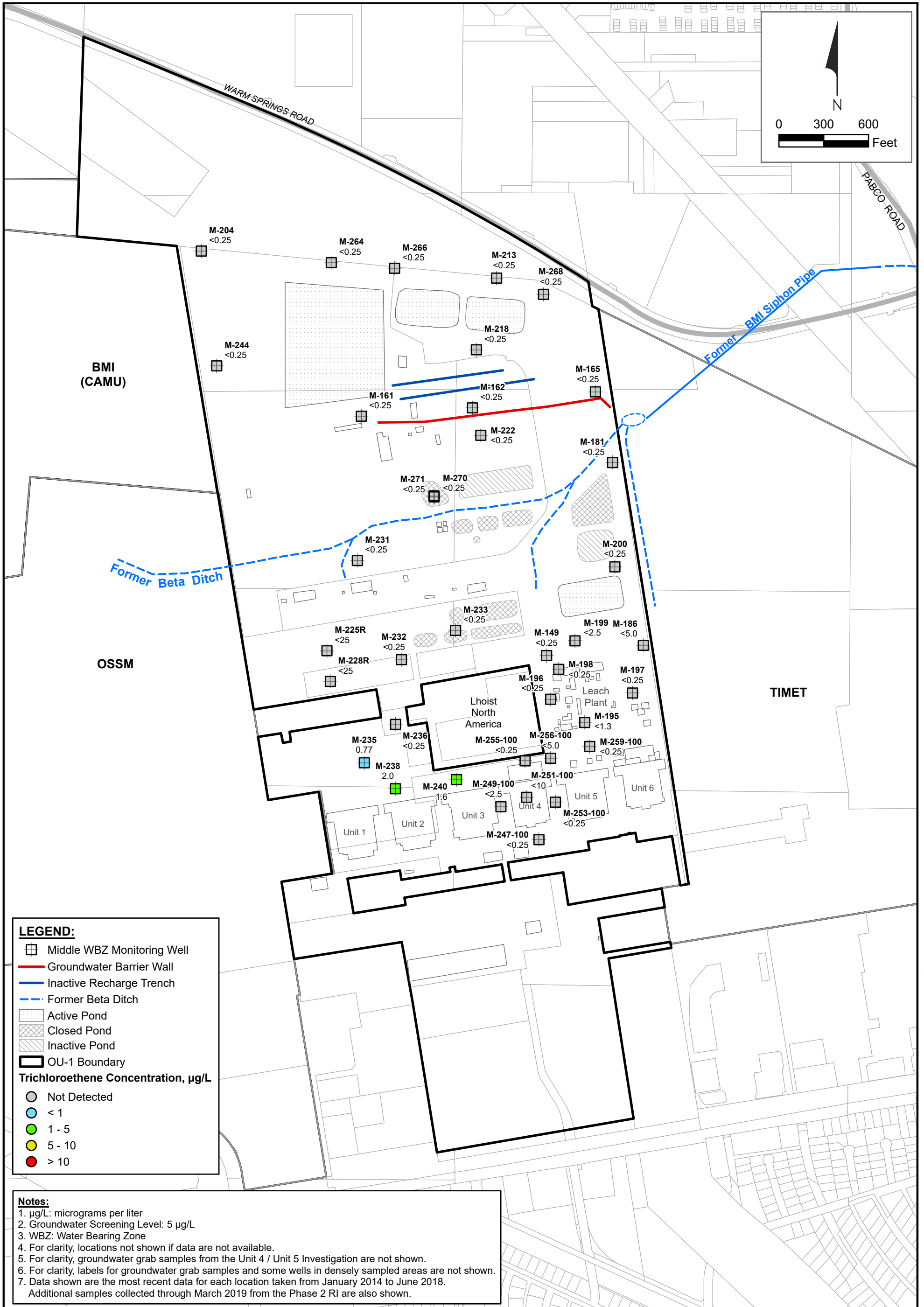
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-92b Trichloroethene Upper Shallow



Trichloroethene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-92c

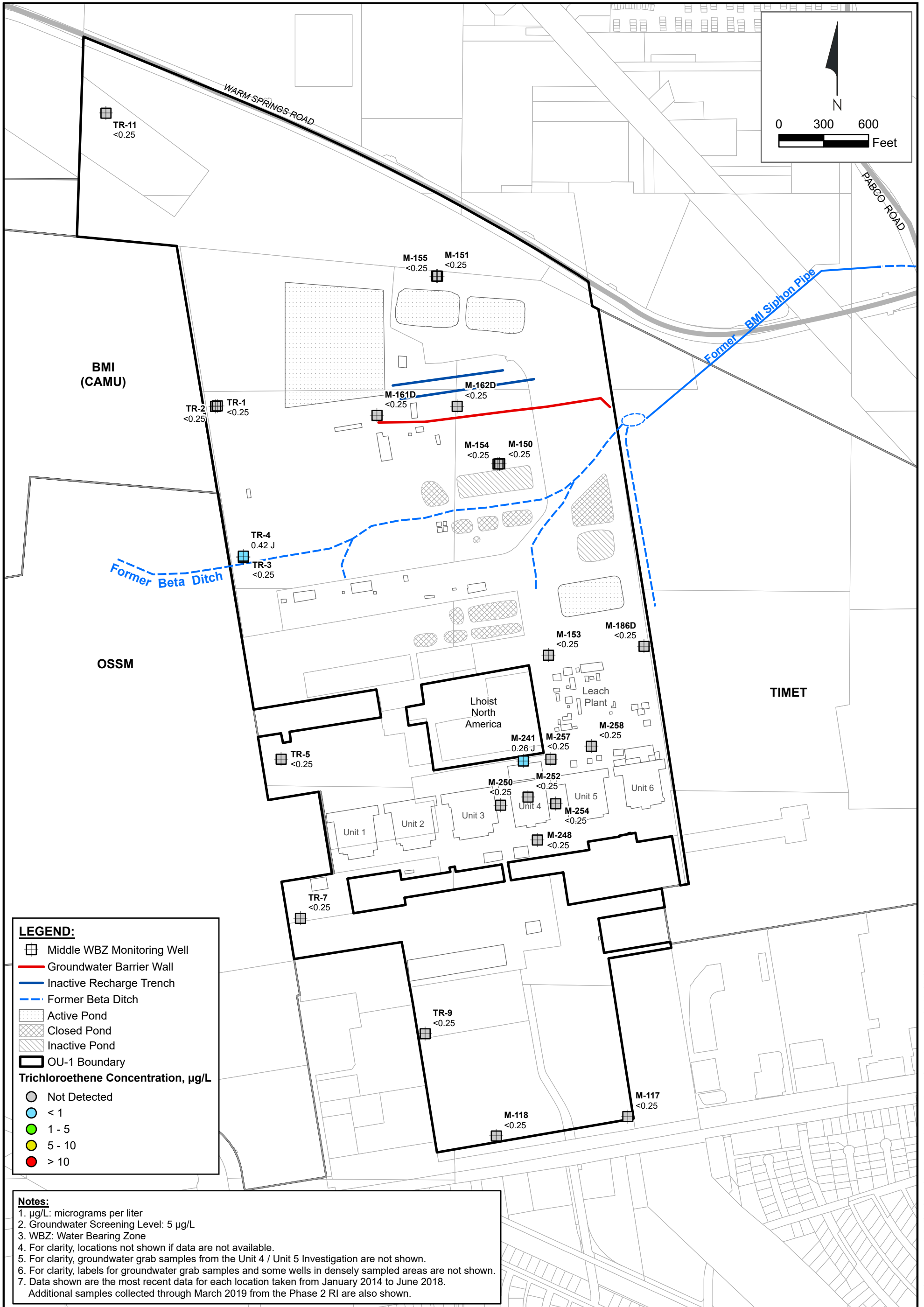
Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-92c Trichloroethene Lower Shallow



Trichloroethene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-92d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-92d Trichloroethene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Trichloroethene Concentration, µg/L

- Not Detected
- < 1
- 1 - 5
- 5 - 10
- > 10

Notes:

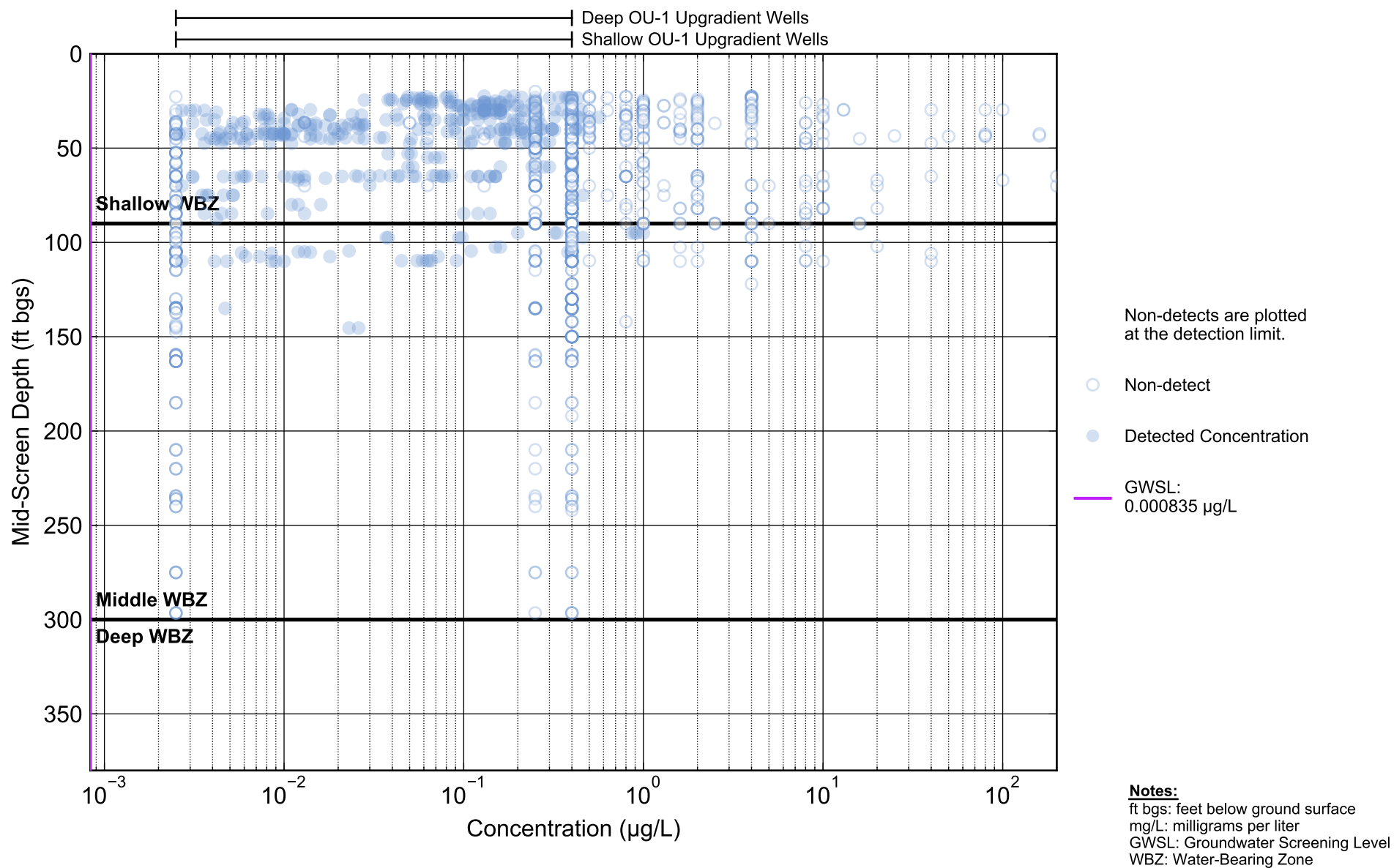
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 5 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



Trichloroethene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-92e

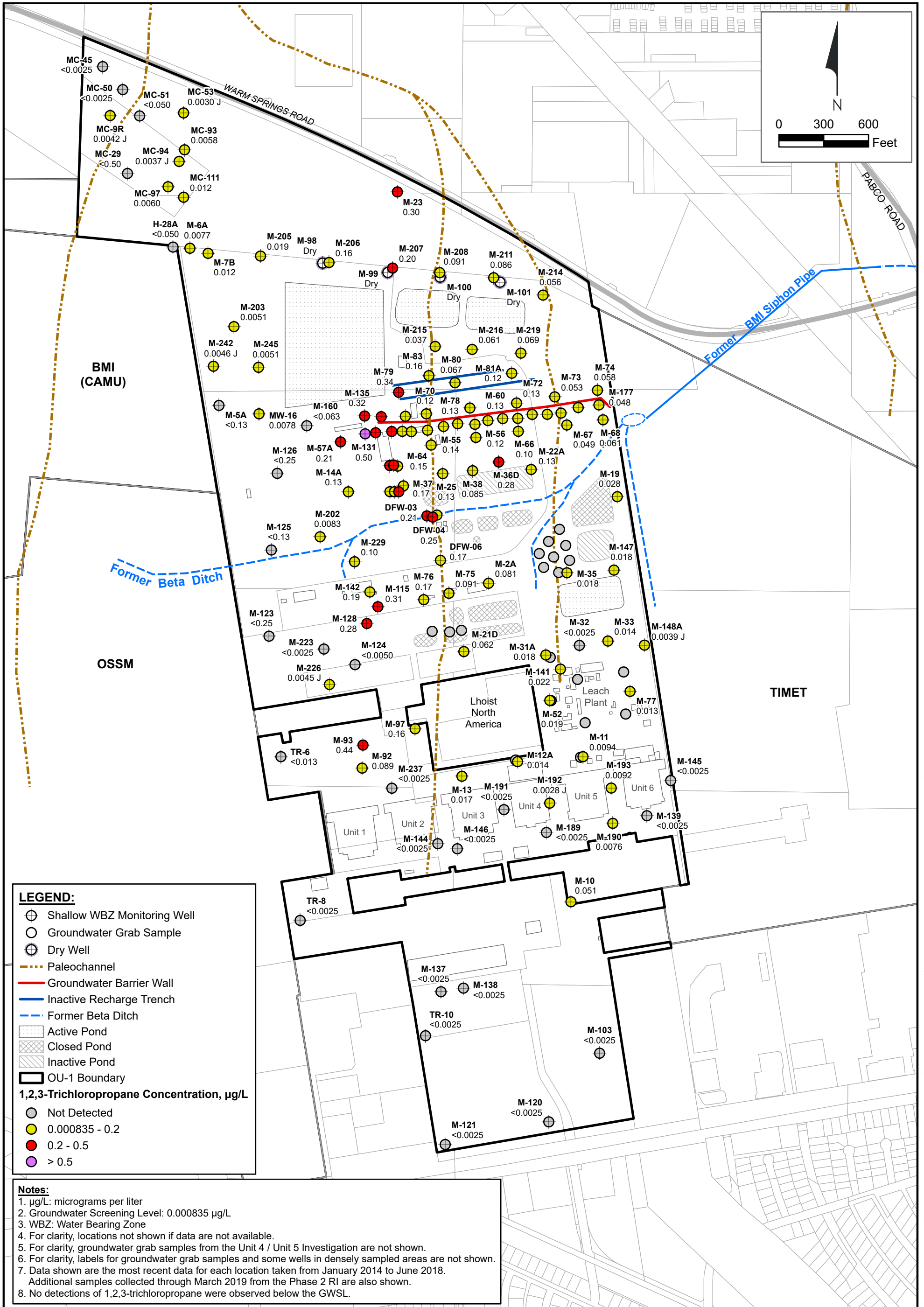
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OU-1 1,2,3-Trichloropropane Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-93a



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Grab Sample
- ⊖ Dry Well
- - - Paleochannel
- Groundwater Barrier Wall
- Inactive Recharge Trench
- - - Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

1,2,3-Trichloropropane Concentration, µg/L

- Not Detected
- 0.000835 - 0.2
- 0.2 - 0.5
- > 0.5

Notes:

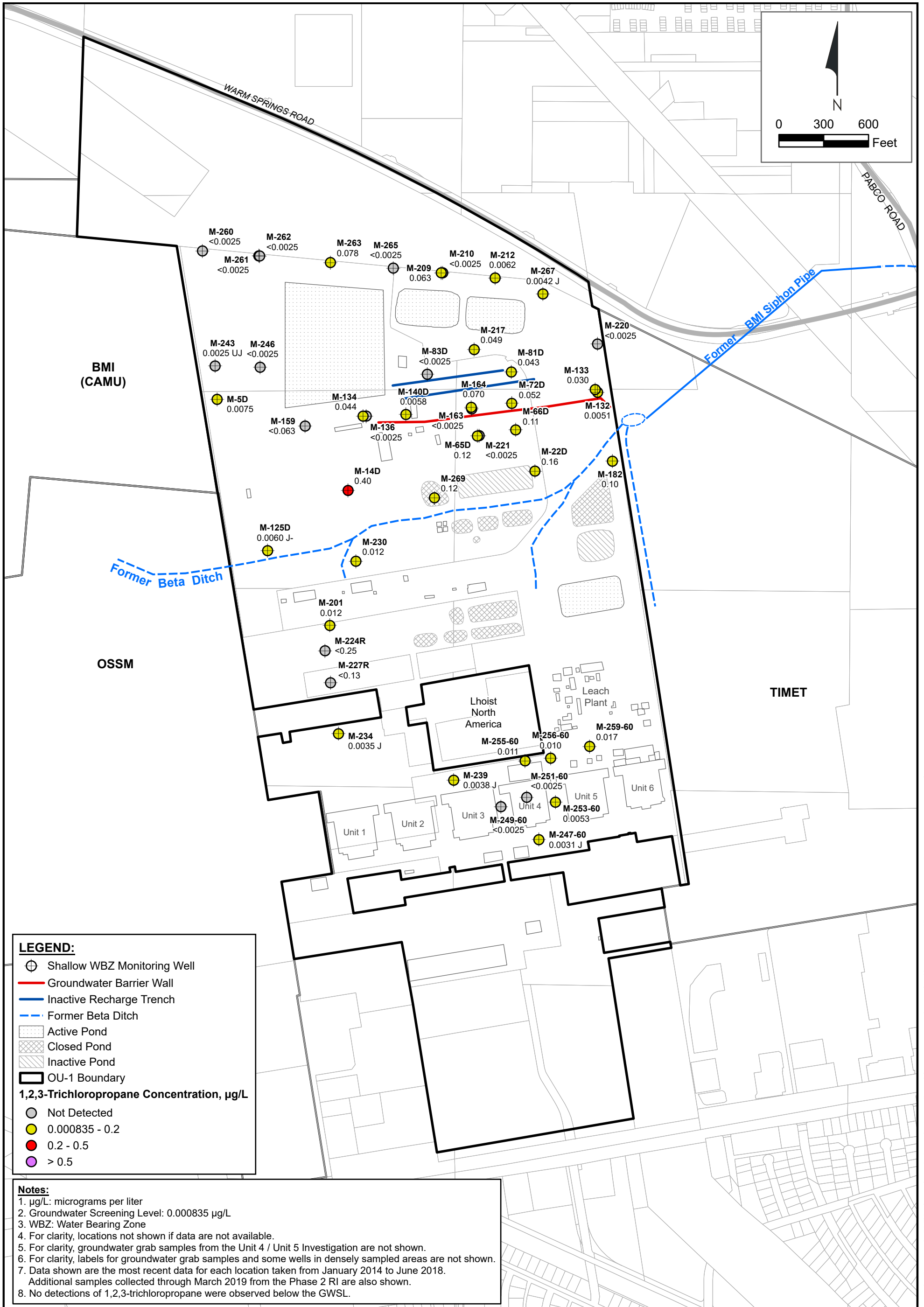
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 0.000835 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of 1,2,3-trichloropropane were observed below the GWSL.



1,2,3-Trichloropropane - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-93b

Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-93b 1,2,3-Trichloropropane Upper Shallow

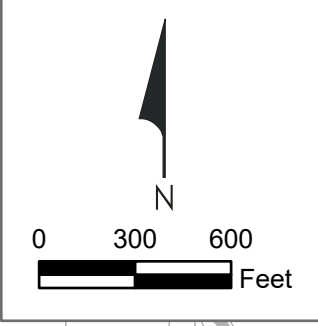
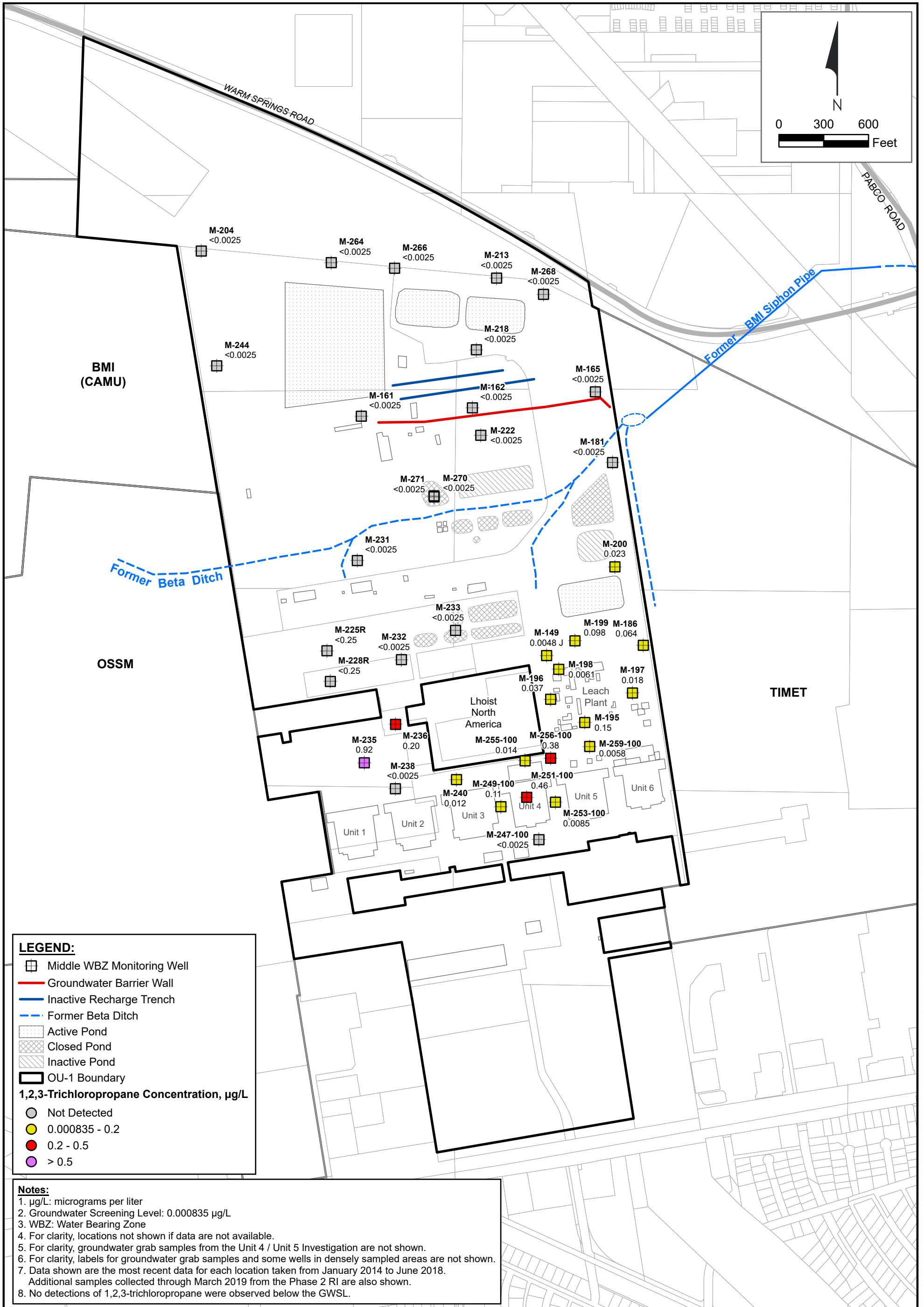


Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-93c 1,2,3-Trichloropropane Lower Shallow



1,2,3-Trichloropropane - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

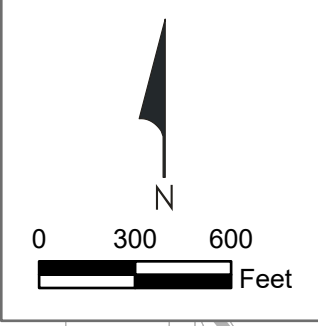
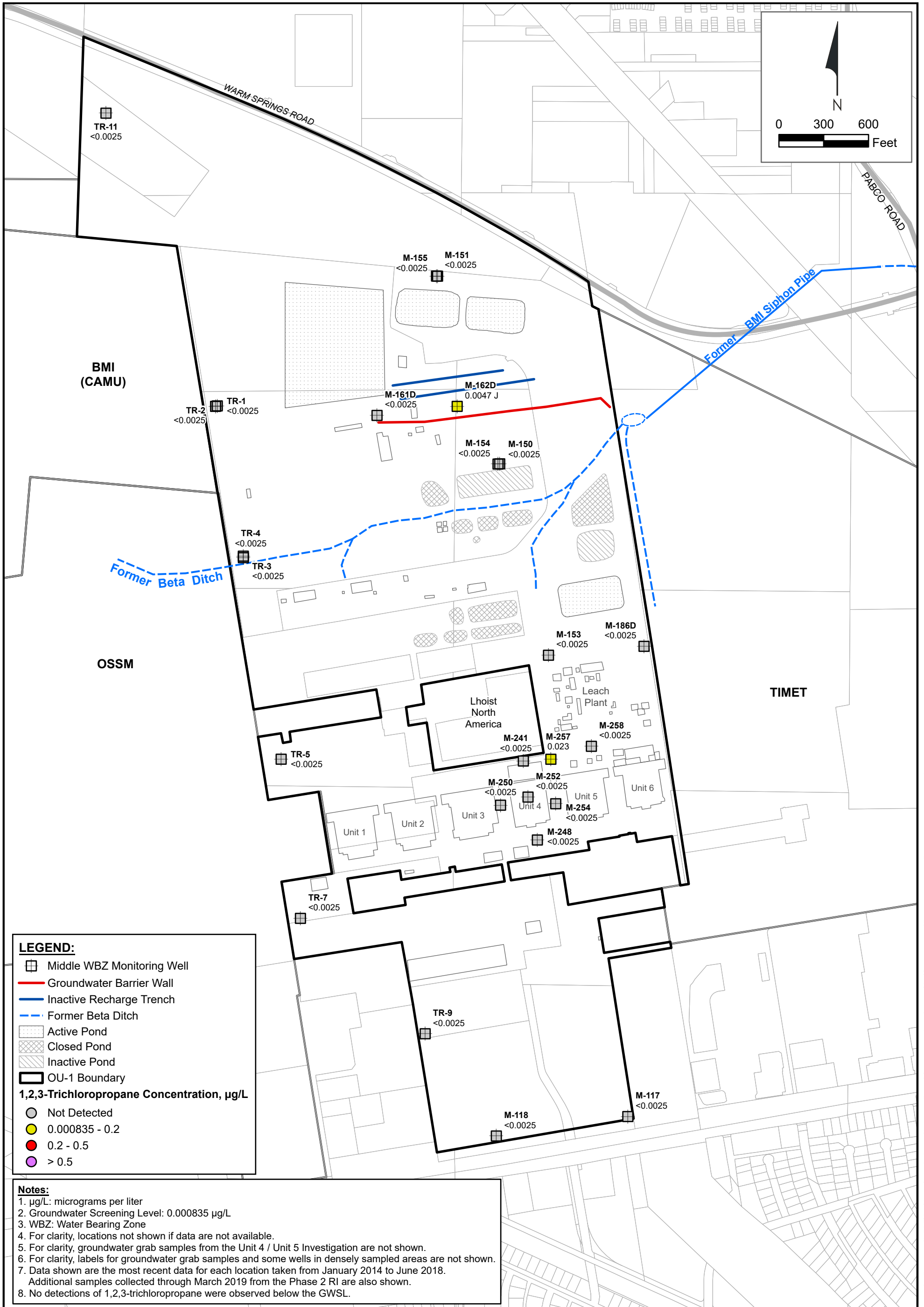
Figure
7-93c



1,2,3-Trichloropropane - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-93d

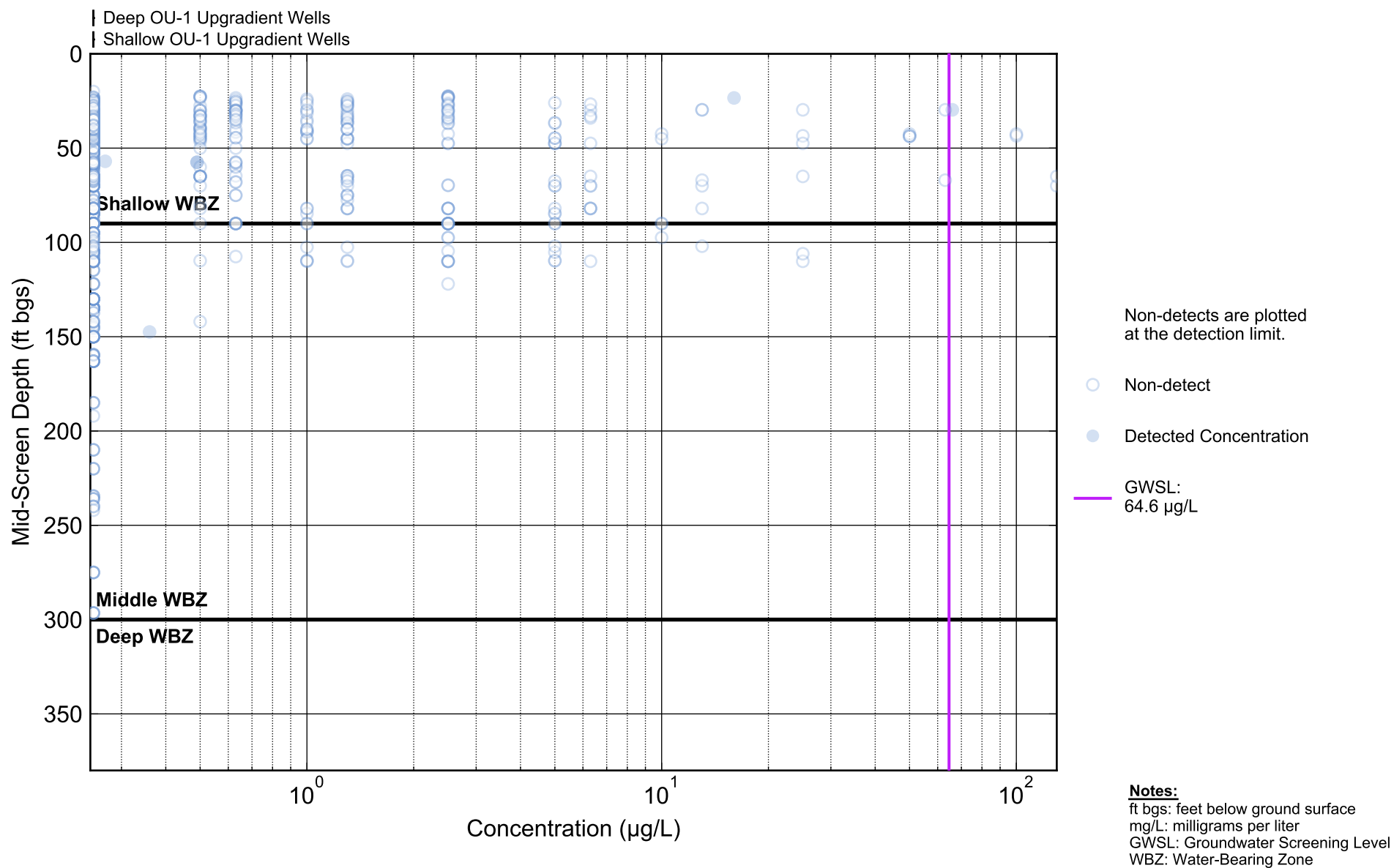
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-93d 1,2,3-Trichloropropane Upper Middle



1,2,3-Trichloropropane - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-93e

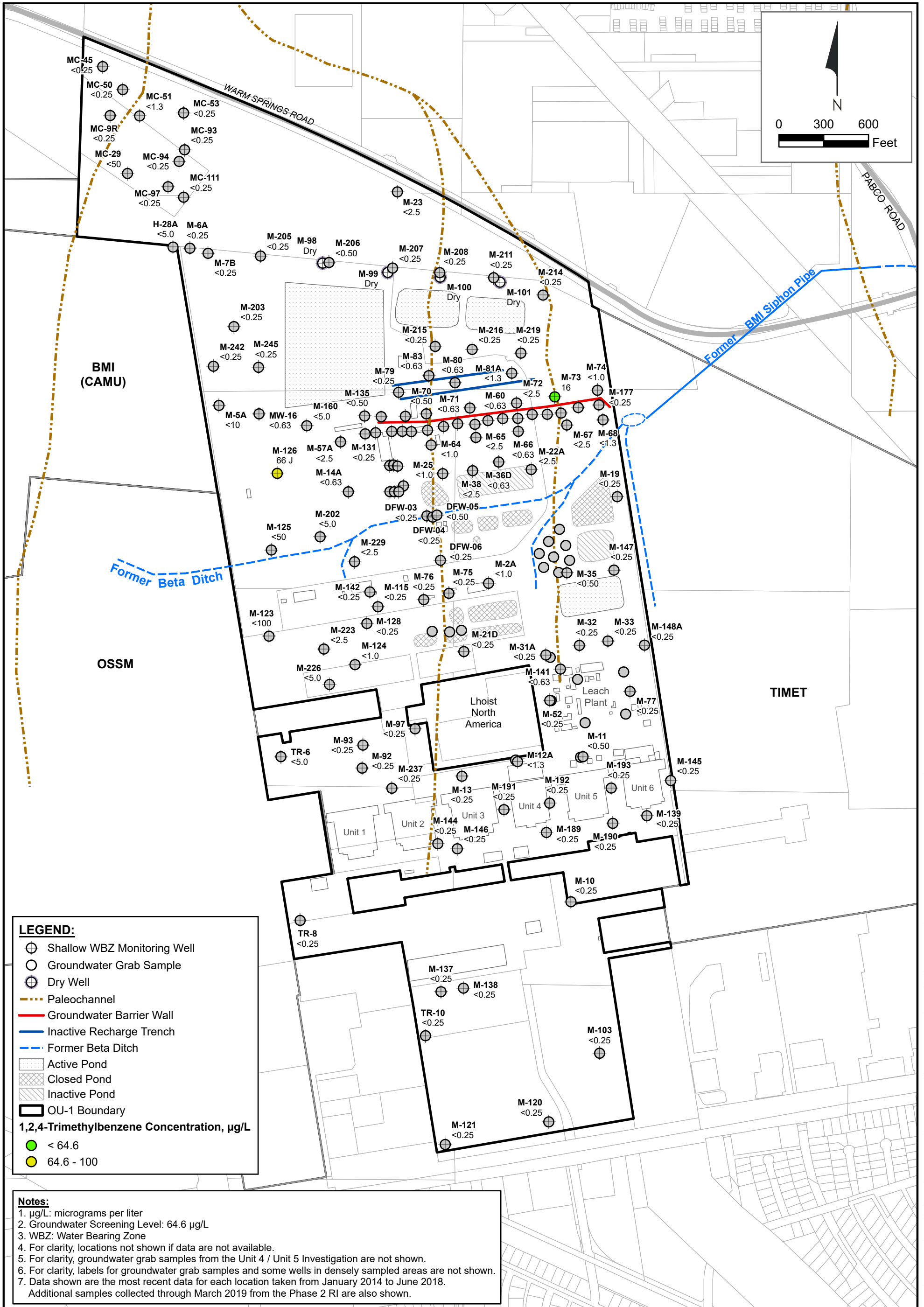
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OU-1 1,2,4-Trimethylbenzene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-94a



LEGEND:

- ⊕ Shallow WBZ Monitoring Well
- Groundwater Grab Sample
- ⊖ Dry Well
- Paleochannel
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- ▨ Active Pond
- ▩ Closed Pond
- ▧ Inactive Pond
- ▭ OU-1 Boundary

1,2,4-Trimethylbenzene Concentration, µg/L

- < 64.6
- 64.6 - 100

Notes:

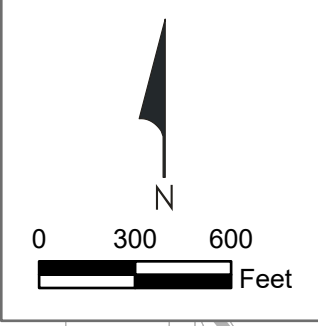
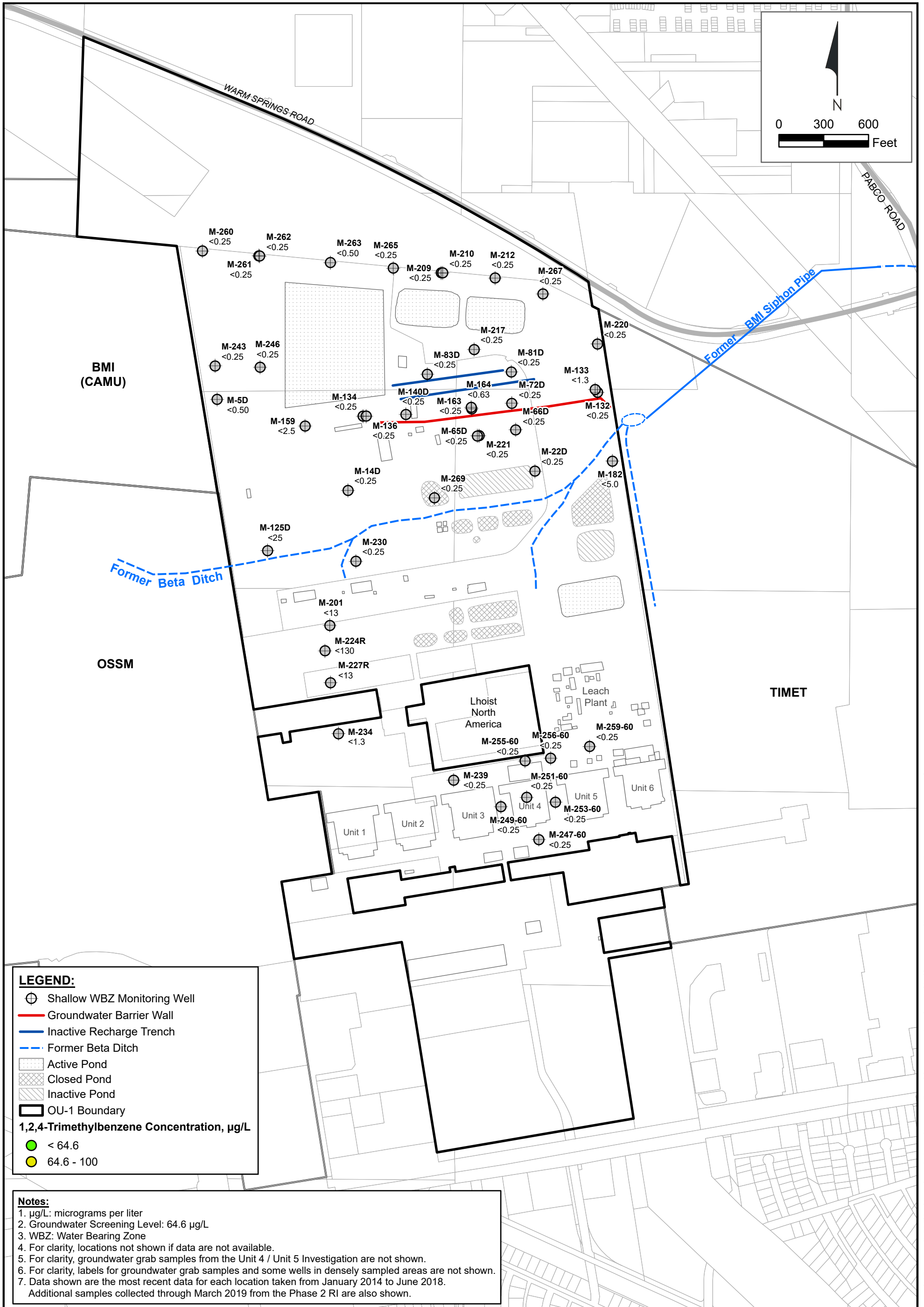
1. µg/L: micrograms per liter
2. Groundwater Screening Level: 64.6 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,2,4-Trimethylbenzene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-94b

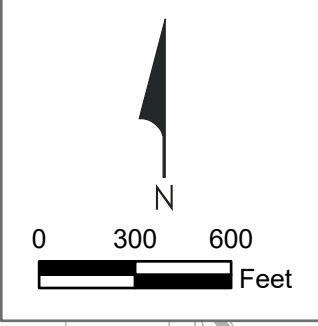
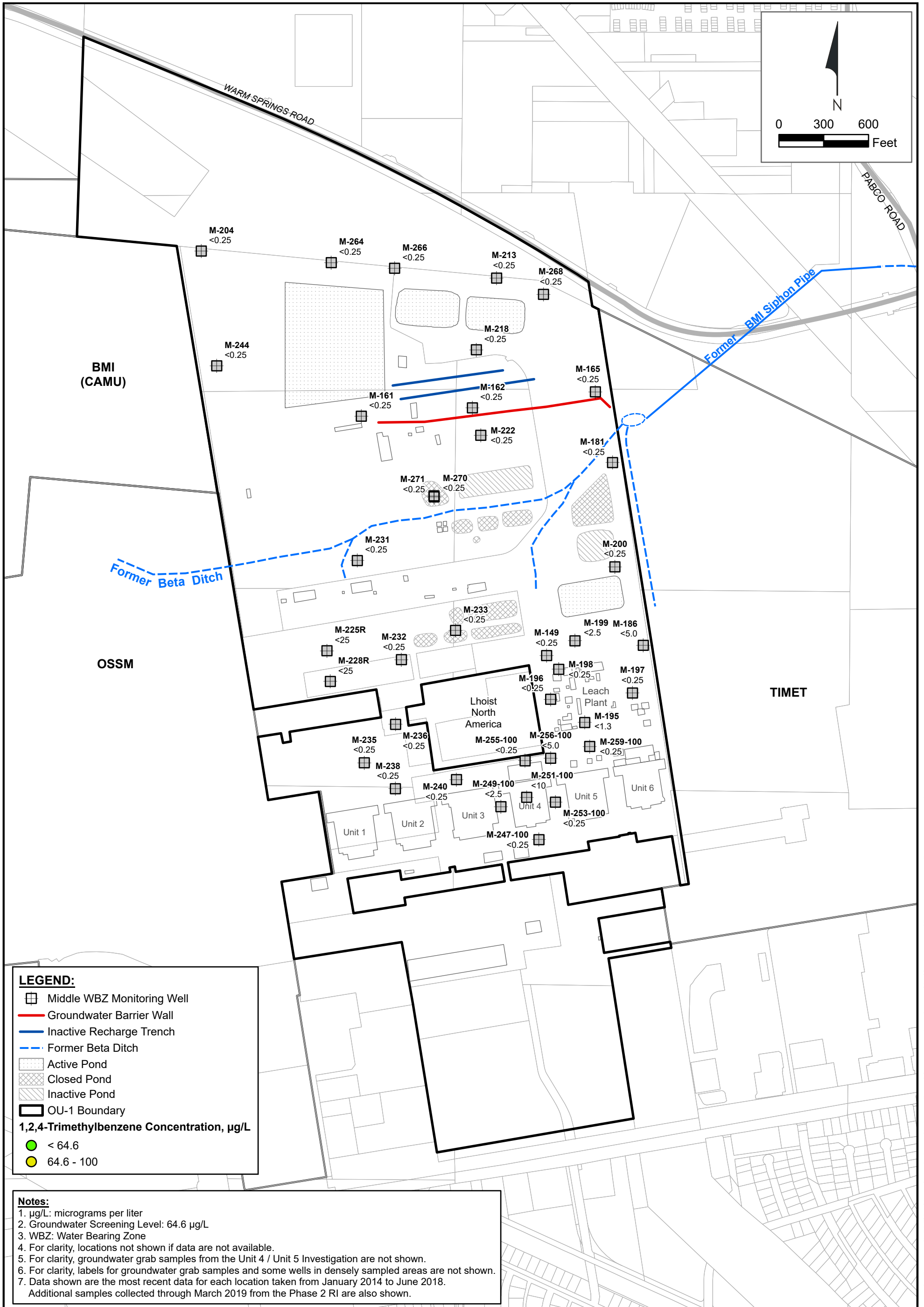
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-94b 1,2,4-Trimethylbenzene Upper Shallow



1,2,4-Trimethylbenzene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-94c

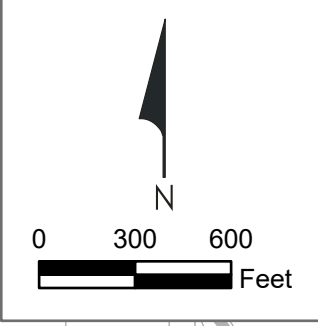
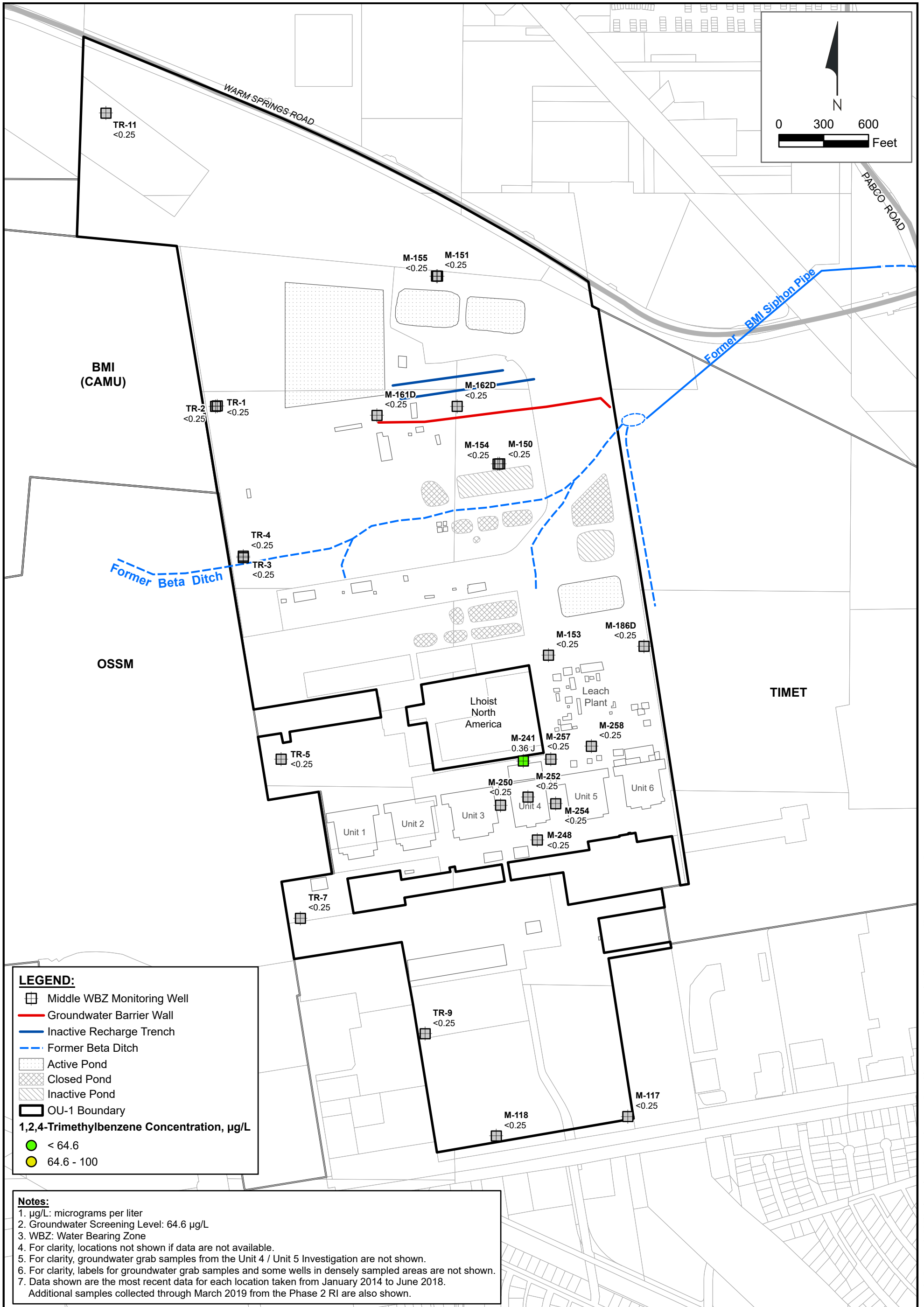
Path: H:\Petomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-94c 1,2,4-Trimethylbenzene Lower Shallow



1,2,4-Trimethylbenzene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-94d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-94d 1,2,4-Trimethylbenzene Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

1,2,4-Trimethylbenzene Concentration, $\mu\text{g/L}$

- < 64.6
- $64.6 - 100$

Notes:

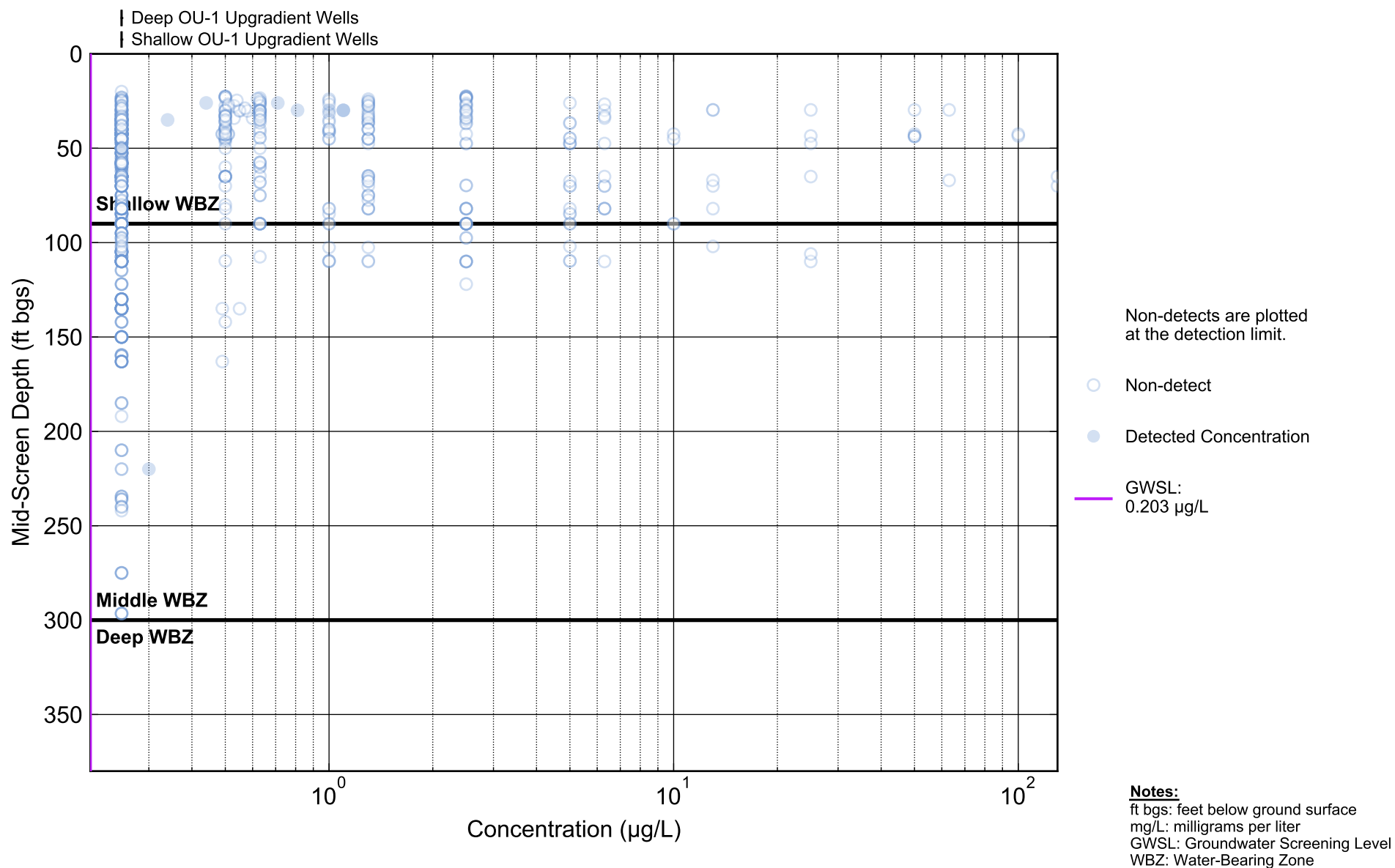
1. $\mu\text{g/L}$: micrograms per liter
2. Groundwater Screening Level: $64.6 \mu\text{g/L}$
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.



1,2,4-Trimethylbenzene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-94e

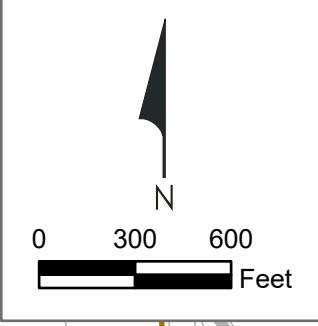
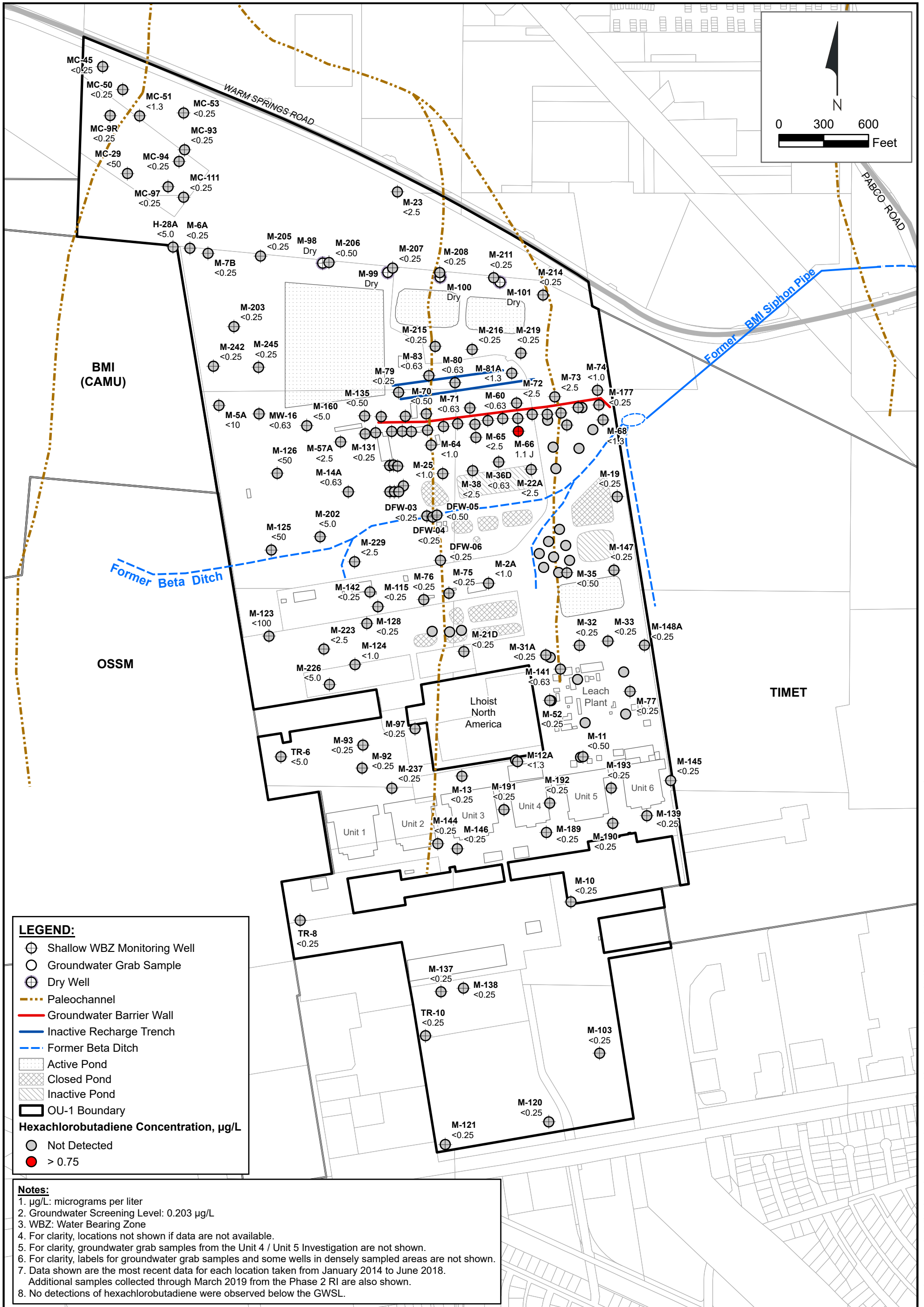
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-94e 1,2,4-Trimethylbenzene Lower Middle



OU-1 Hexachlorobutadiene Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

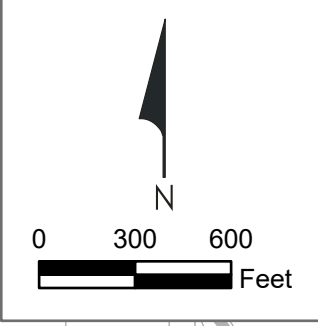
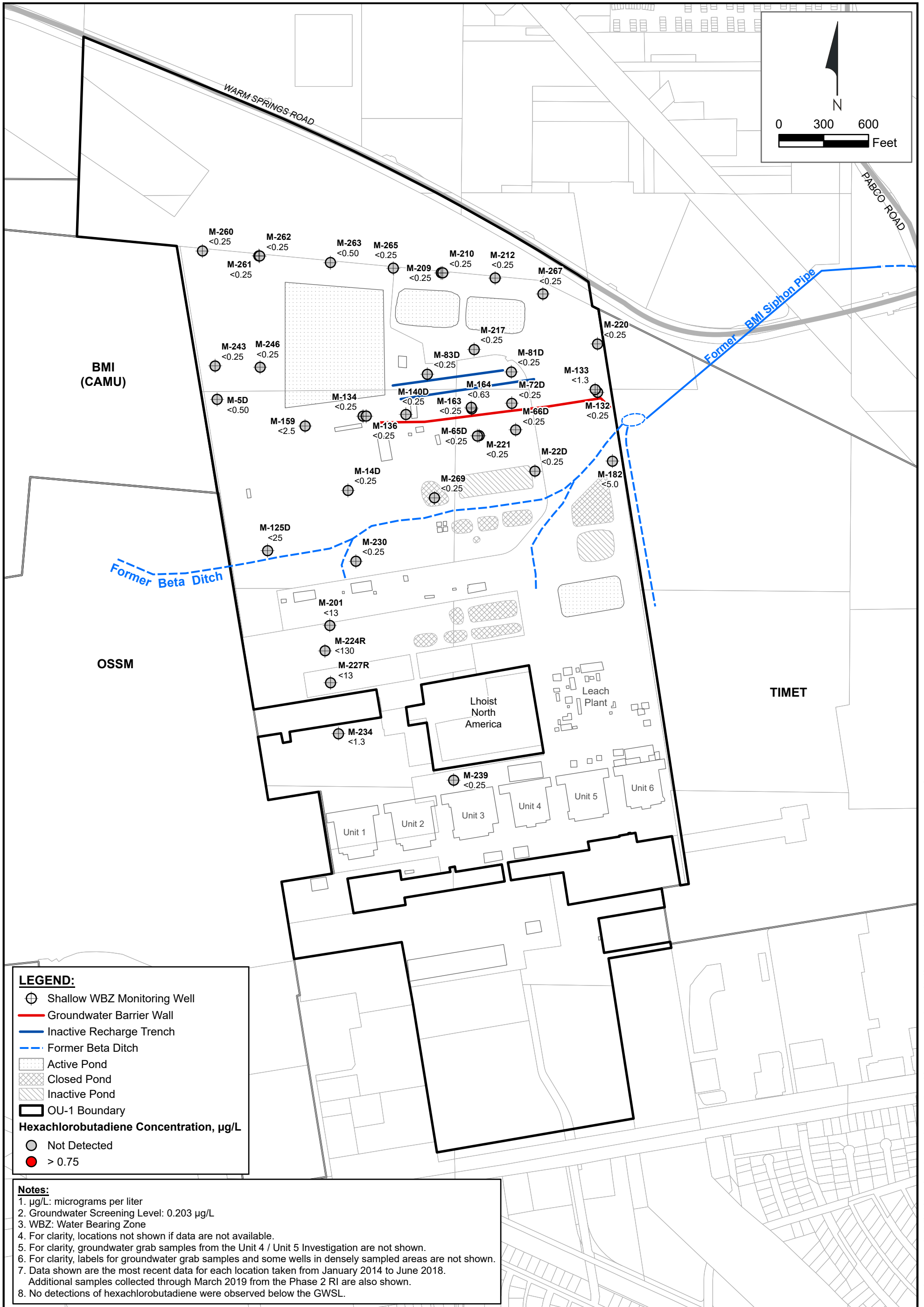
7-95a



Hexachlorobutadiene - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-95b

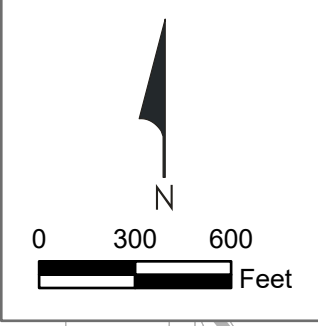
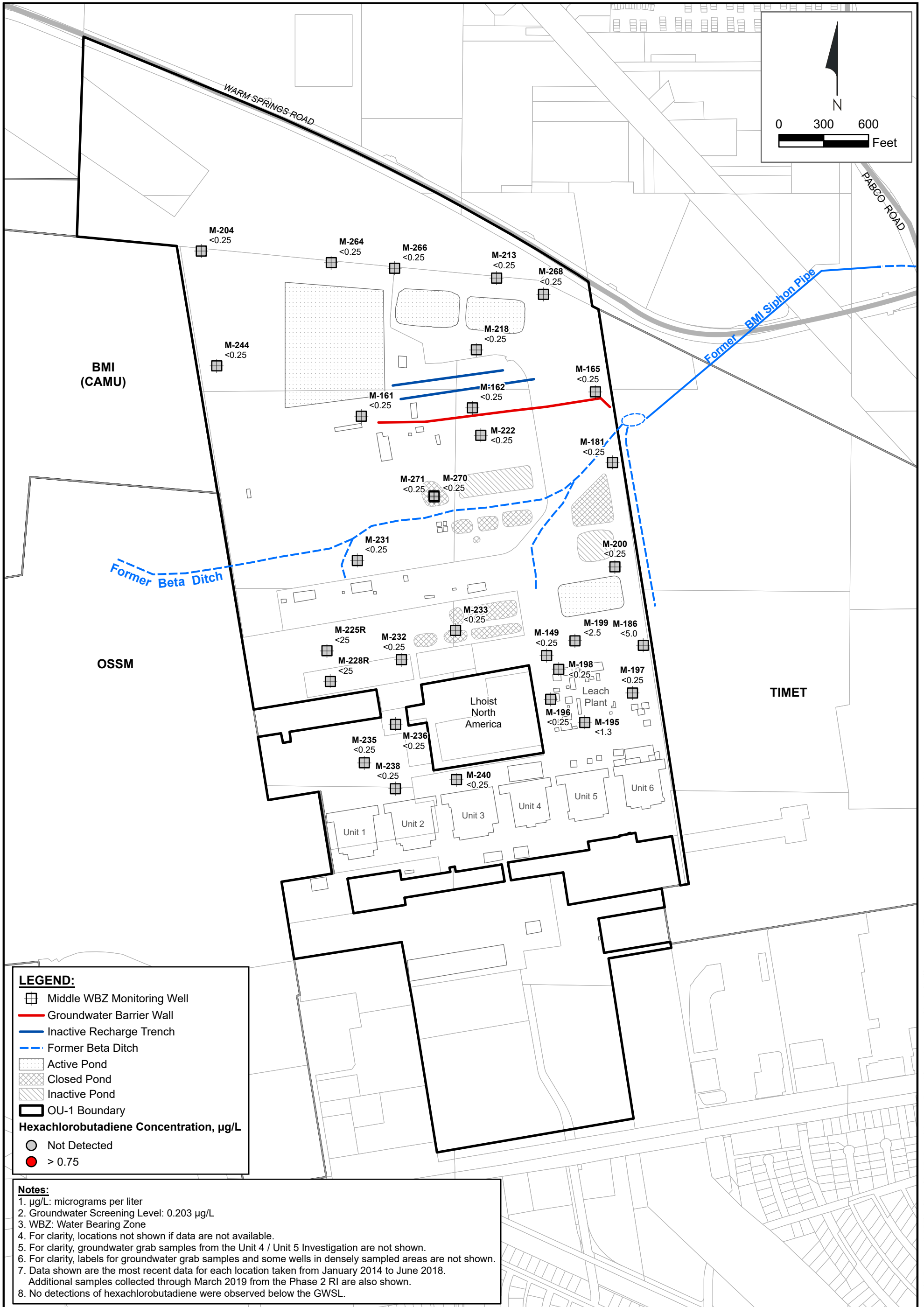
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Hexachlorobutadiene - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-95c

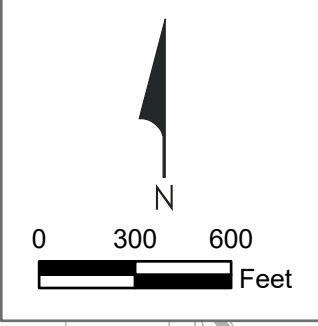
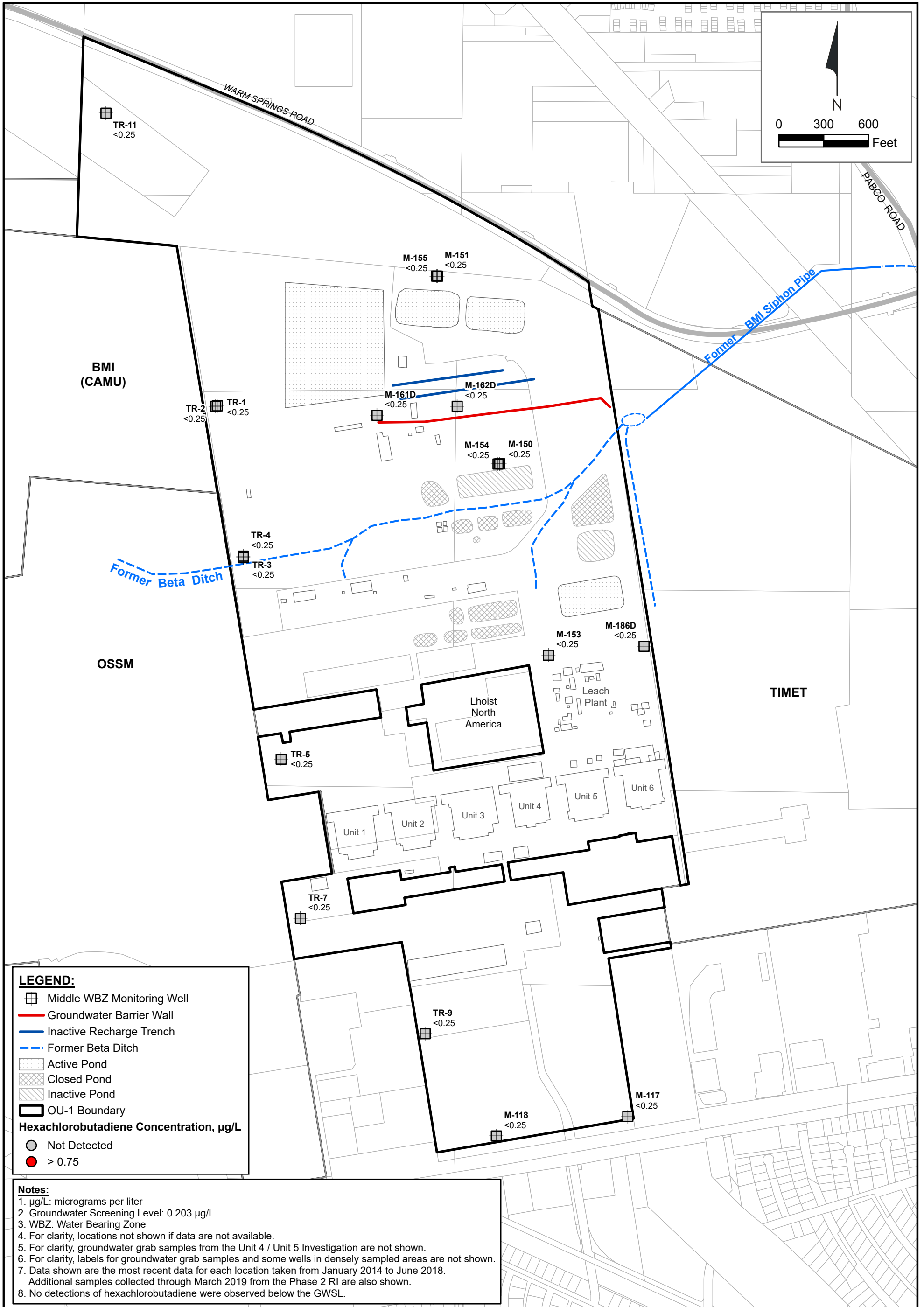
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-95c Hexachlorobutadiene Lower Shallow



Hexachlorobutadiene - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-95d

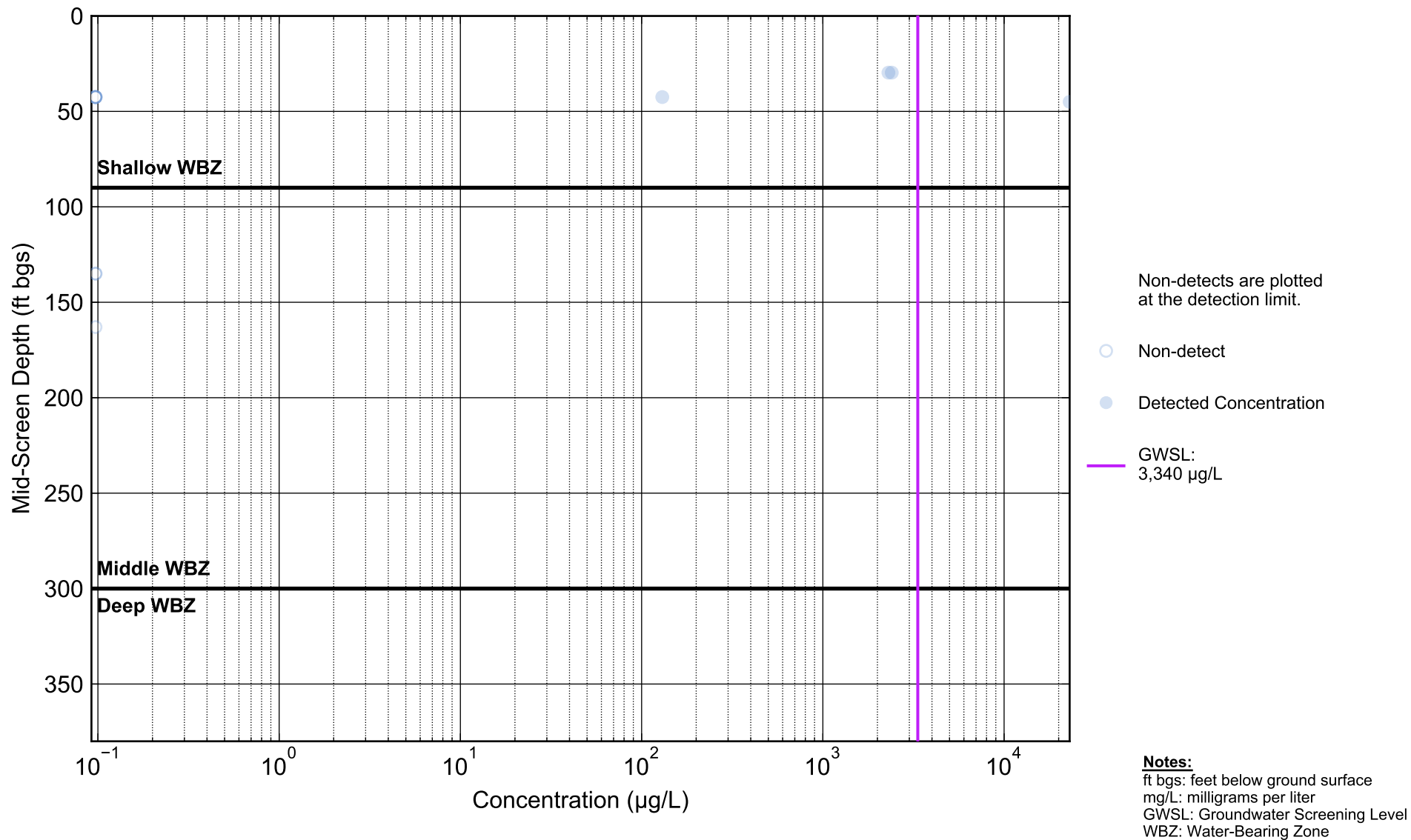
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-95d Hexachlorobutadiene Upper Middle



Hexachlorobutadiene - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-95e

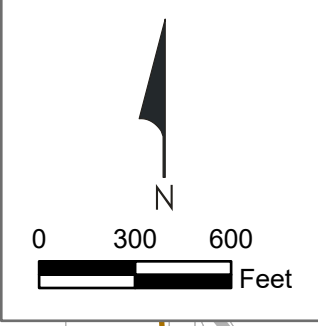
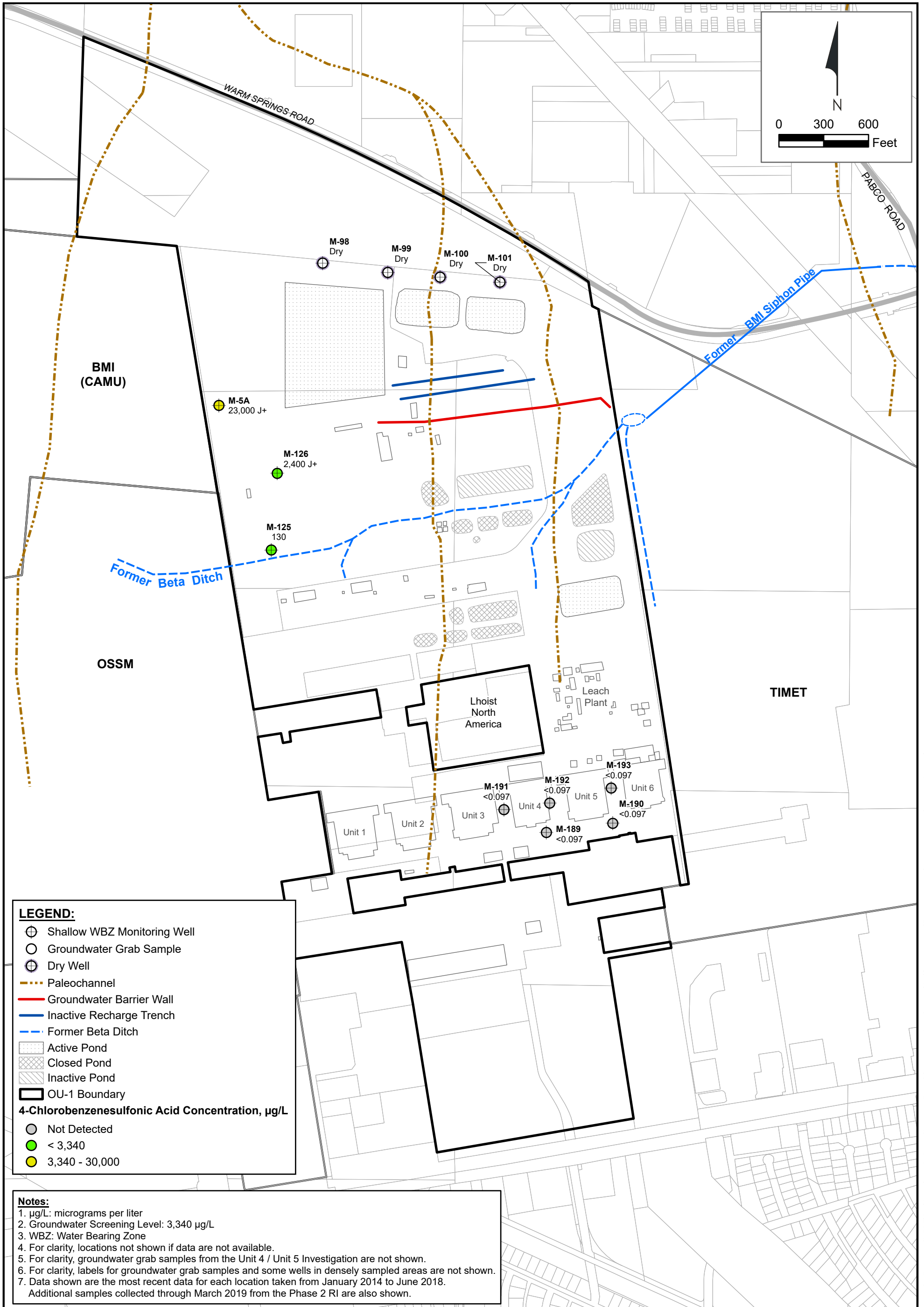
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-95e Hexachlorobutadiene Lower Middle



OU-1 4-Chlorobenzenesulfonic Acid Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

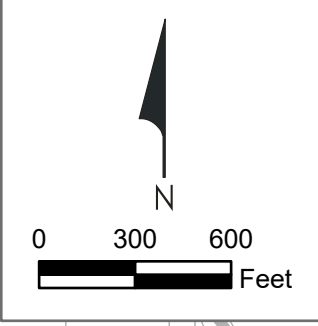
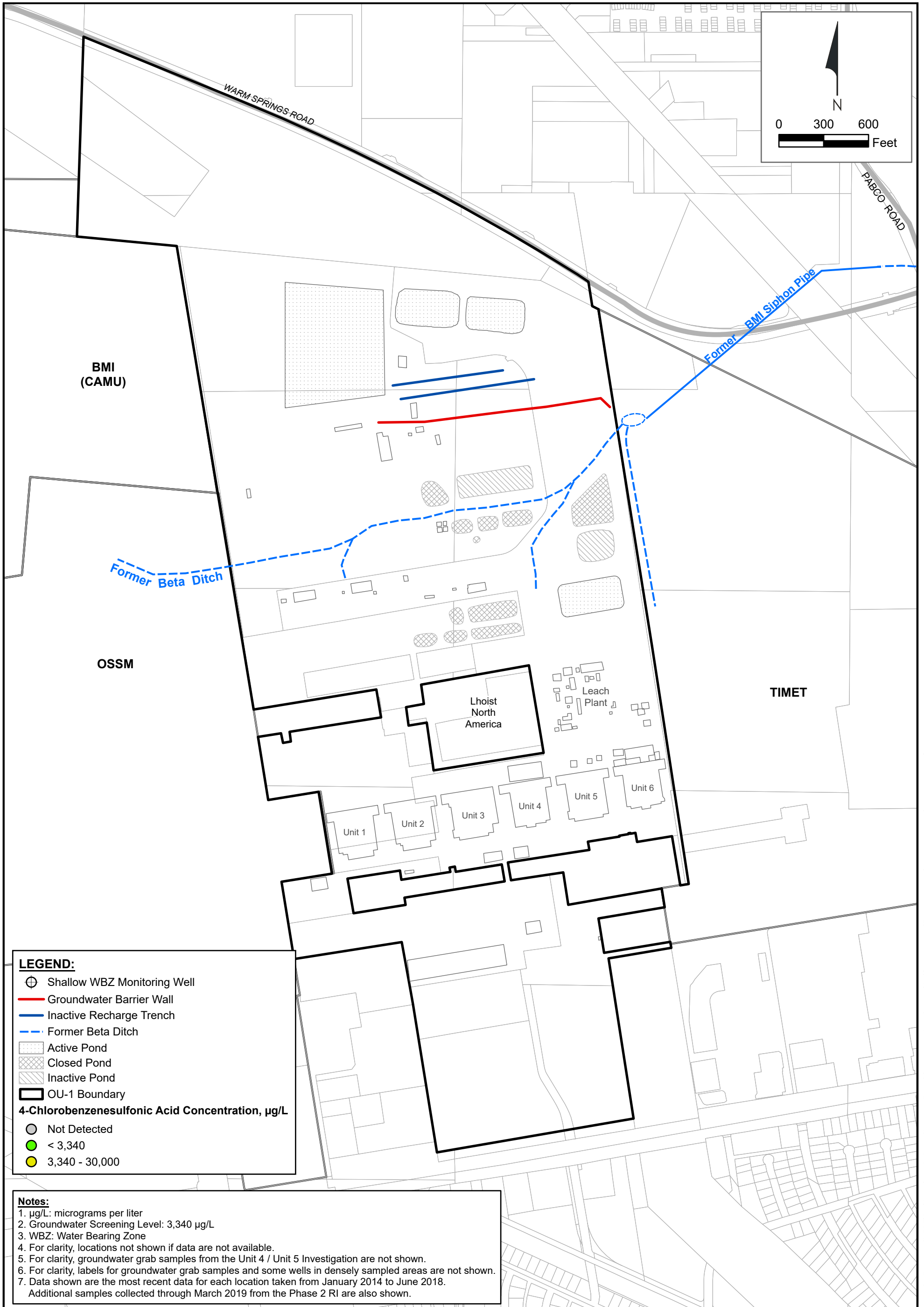
7-96a



4-Chlorobenzenesulfonic Acid - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-96b

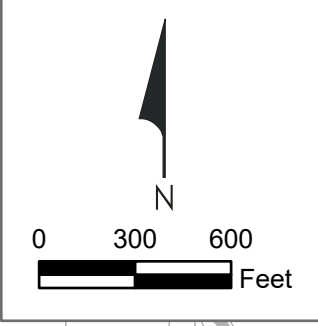
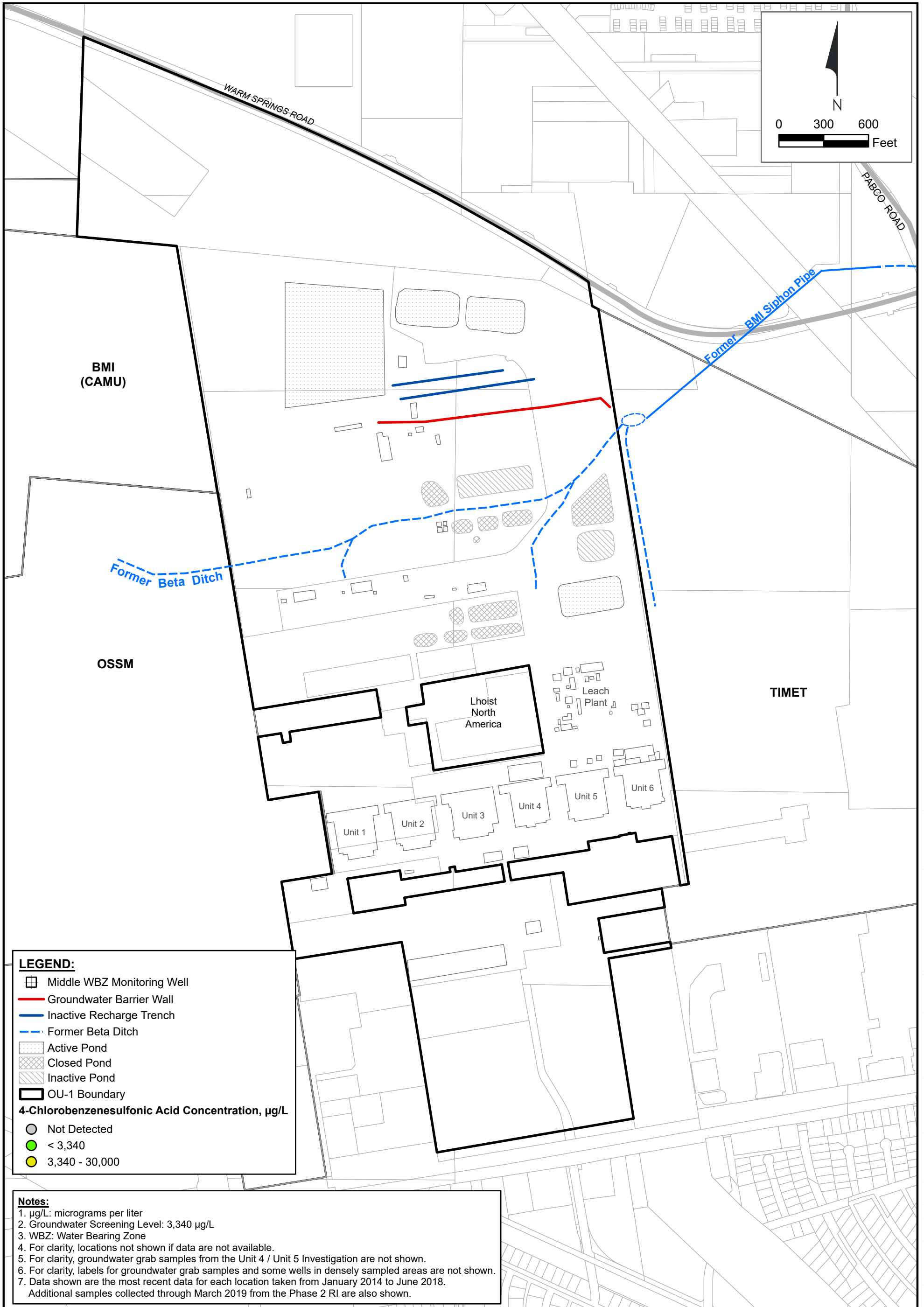
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-96b 4-Chlorobenzenesulfonic acid Upper Shallow



4-Chlorobenzenesulfonic Acid - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-96c

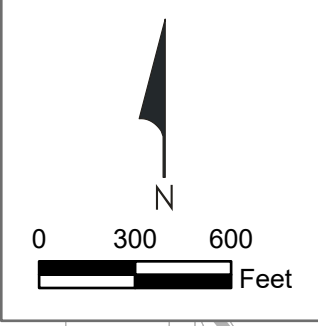
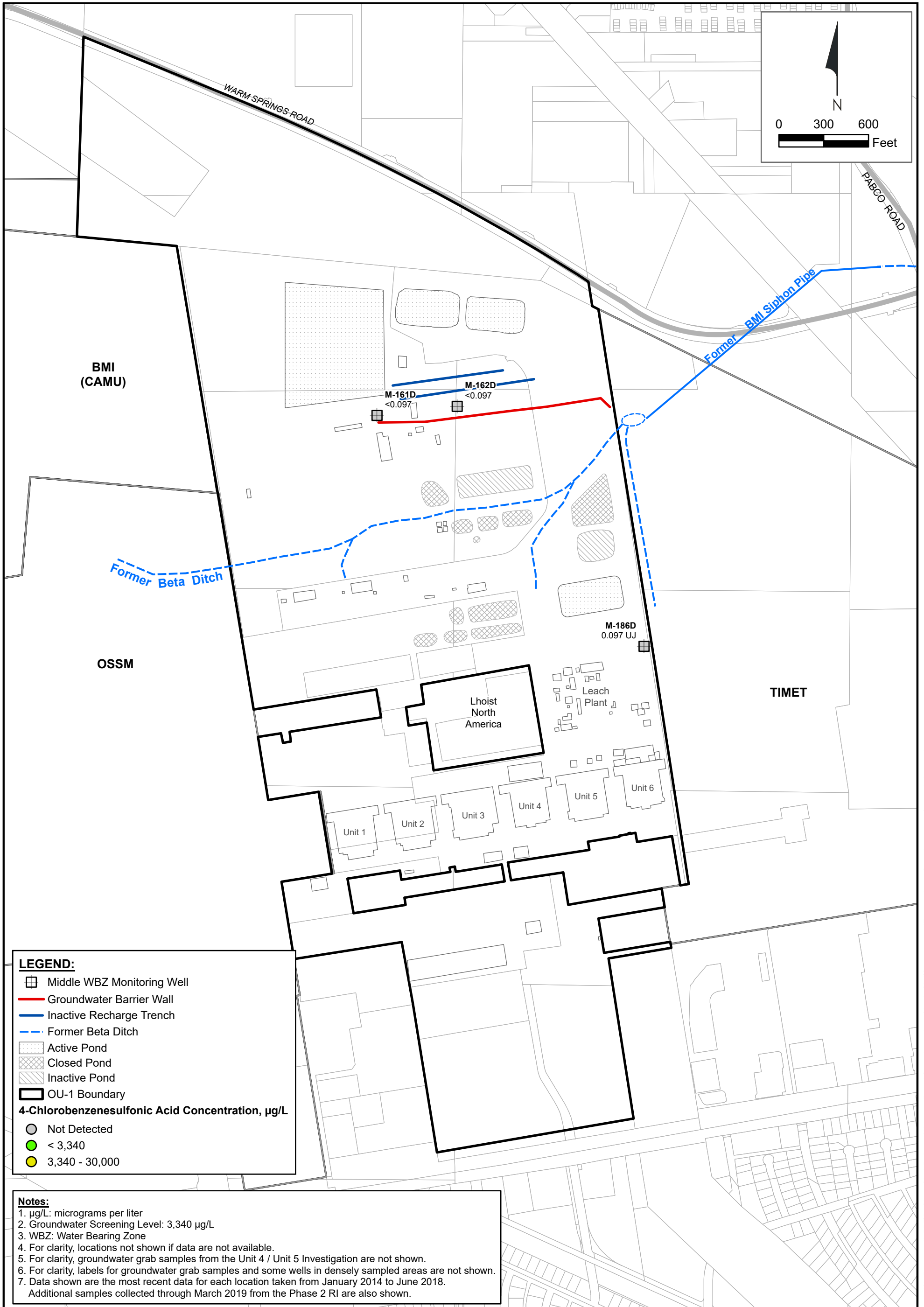
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-96c 4-Chlorobenzenesulfonic acid Lower Shallow



4-Chlorobenzenesulfonic Acid - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-96d

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-96d 4-Chlorobenzenesulfonic acid Upper Middle



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

4-Chlorobenzenesulfonic Acid Concentration, µg/L

- Not Detected
- < 3,340
- 3,340 - 30,000

Notes:

1. µg/L: micrograms per liter
2. Groundwater Screening Level: 3,340 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.

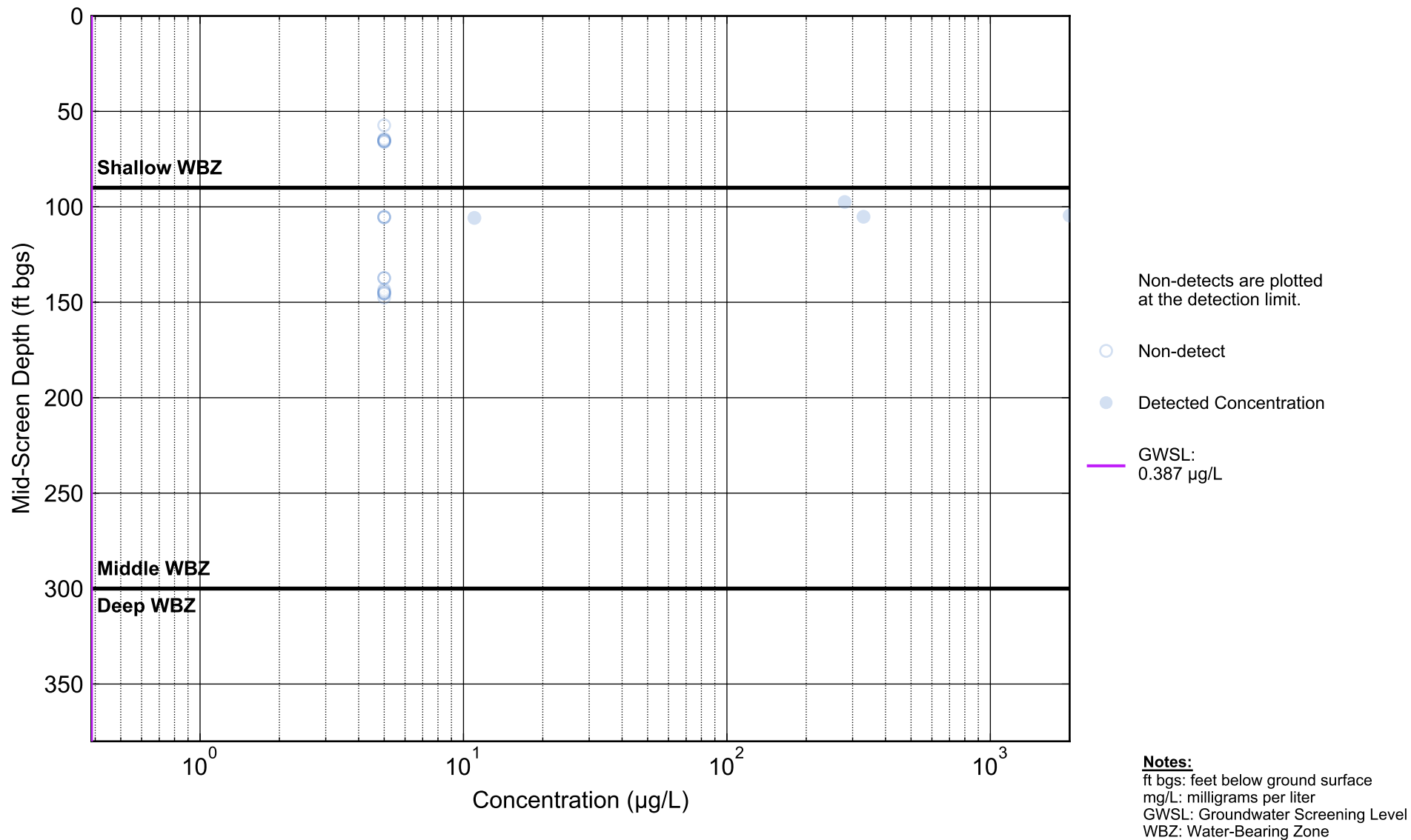


4-Chlorobenzenesulfonic Acid - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Drafter: JC Date: 2023-06-21 Contract Number: 169002 9369 Approved by: Revised:

Figure
7-96e

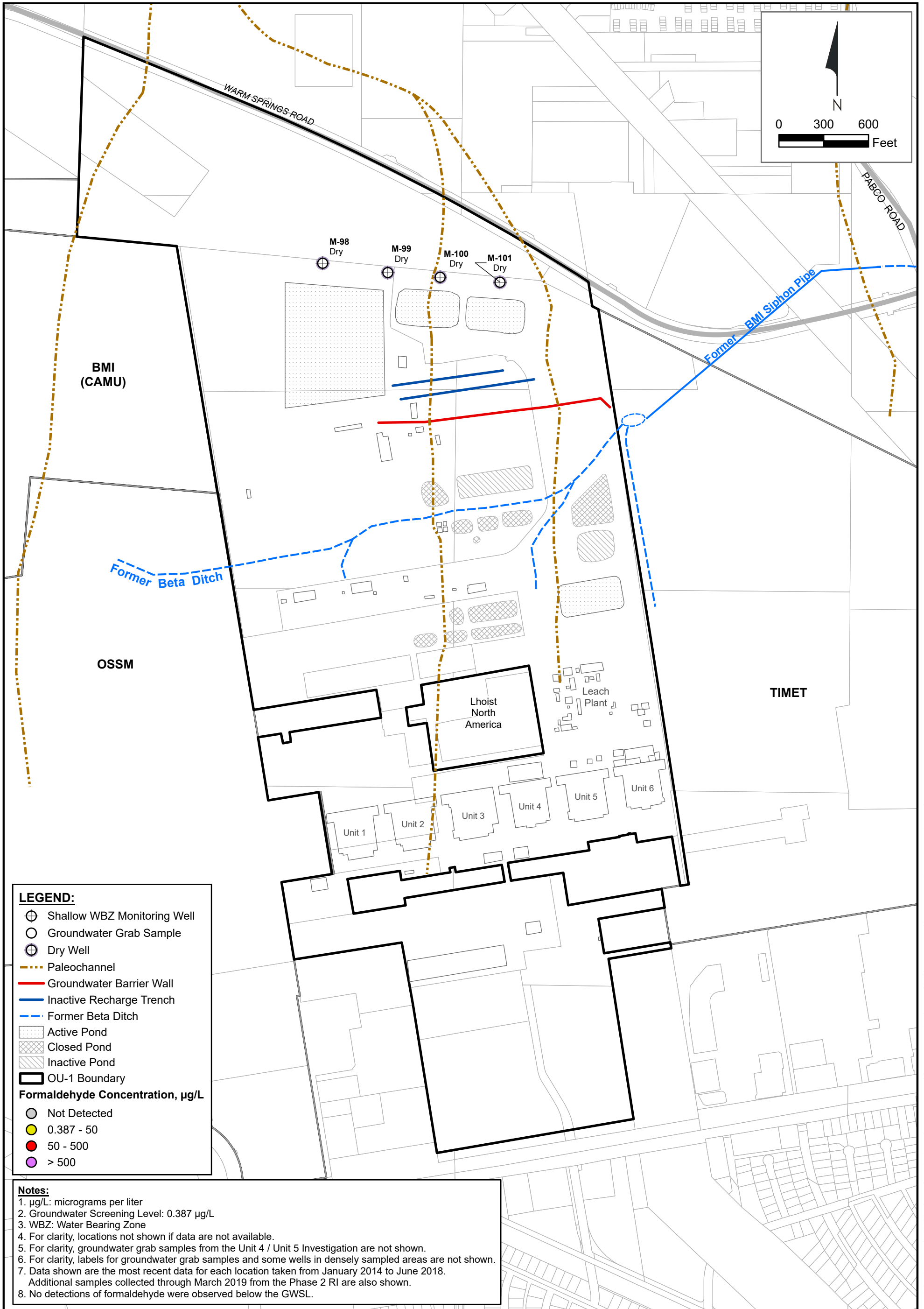
Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-96e 4-Chlorobenzenesulfonic acid Lower Middle



OU-1 Formaldehyde Groundwater Concentrations vs. Sample Depth
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-97a



Formaldehyde - Shallow WBZ (0-55 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-97b

Drafter: JC

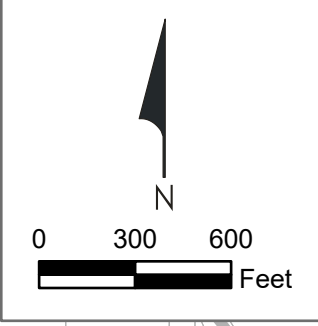
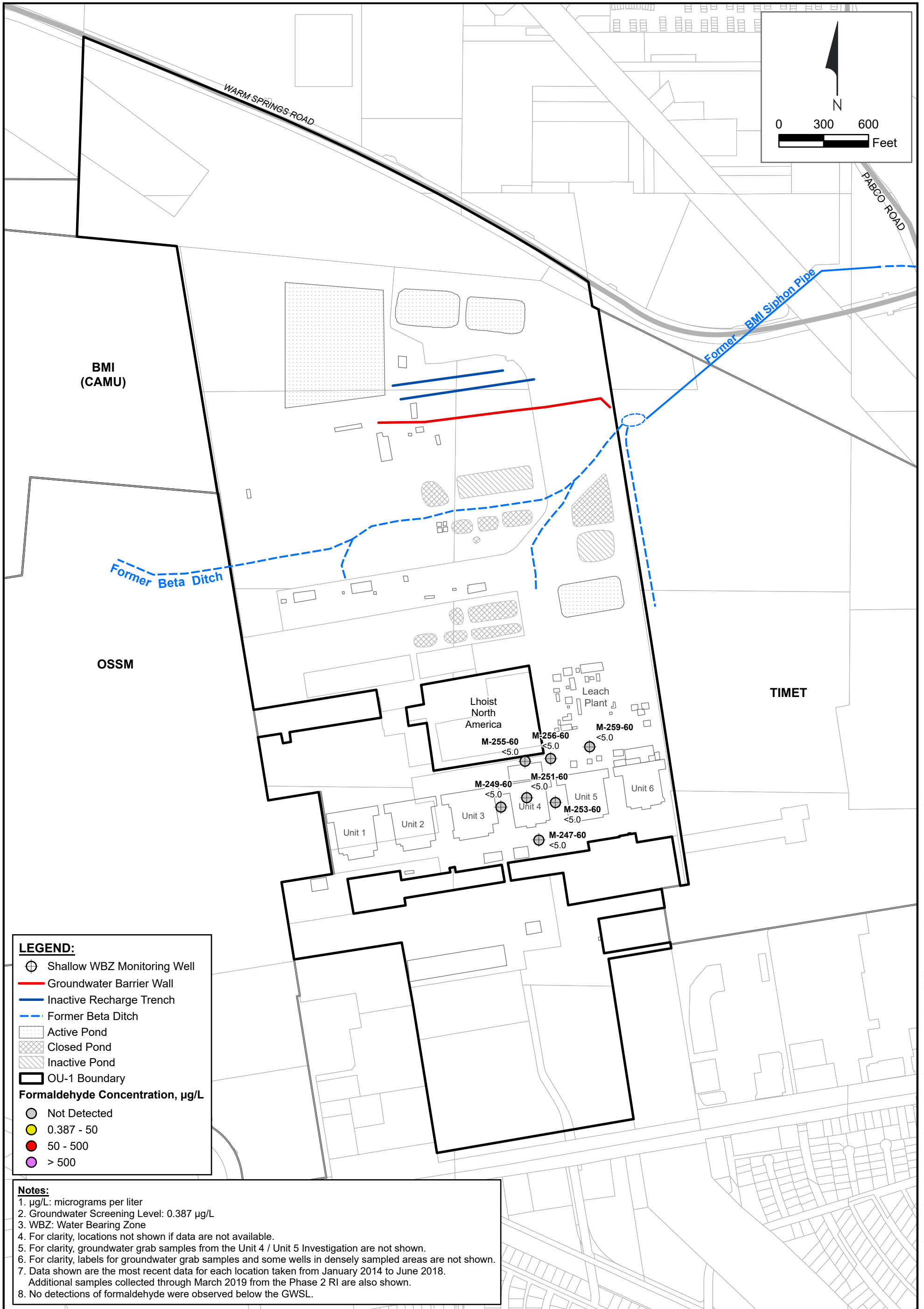
Date: 2023-06-21

Contract Number: 169002 9369

Approved by:

Revised:

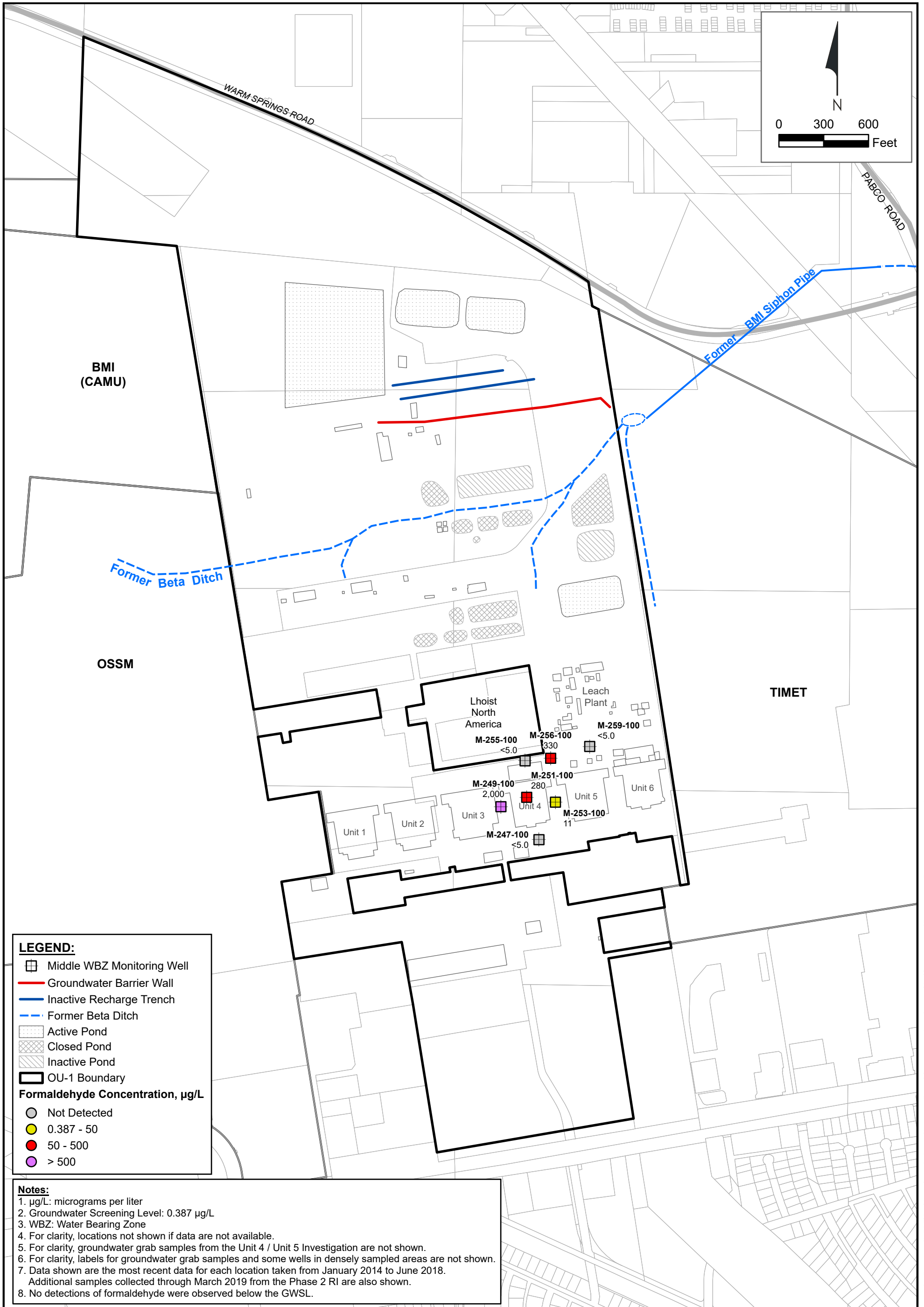
Path: H:\LePetomane\NERT\RI\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-97b Formaldehyde Upper Shallow



Formaldehyde - Shallow WBZ (55-90 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-97c

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-97c Formaldehyde Lower Shallow



LEGEND:

- Middle WBZ Monitoring Well
- Groundwater Barrier Wall
- Inactive Recharge Trench
- Former Beta Ditch
- Active Pond
- Closed Pond
- Inactive Pond
- OU-1 Boundary

Formaldehyde Concentration, µg/L

- Not Detected
- 0.387 - 50
- 50 - 500
- > 500

Notes:

1. µg/L: micrograms per liter
2. Groundwater Screening Level: 0.387 µg/L
3. WBZ: Water Bearing Zone
4. For clarity, locations not shown if data are not available.
5. For clarity, groundwater grab samples from the Unit 4 / Unit 5 Investigation are not shown.
6. For clarity, labels for groundwater grab samples and some wells in densely sampled areas are not shown.
7. Data shown are the most recent data for each location taken from January 2014 to June 2018. Additional samples collected through March 2019 from the Phase 2 RI are also shown.
8. No detections of formaldehyde were observed below the GWSL.



Formaldehyde - Middle WBZ (90-130 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-97d

Drafter: JC

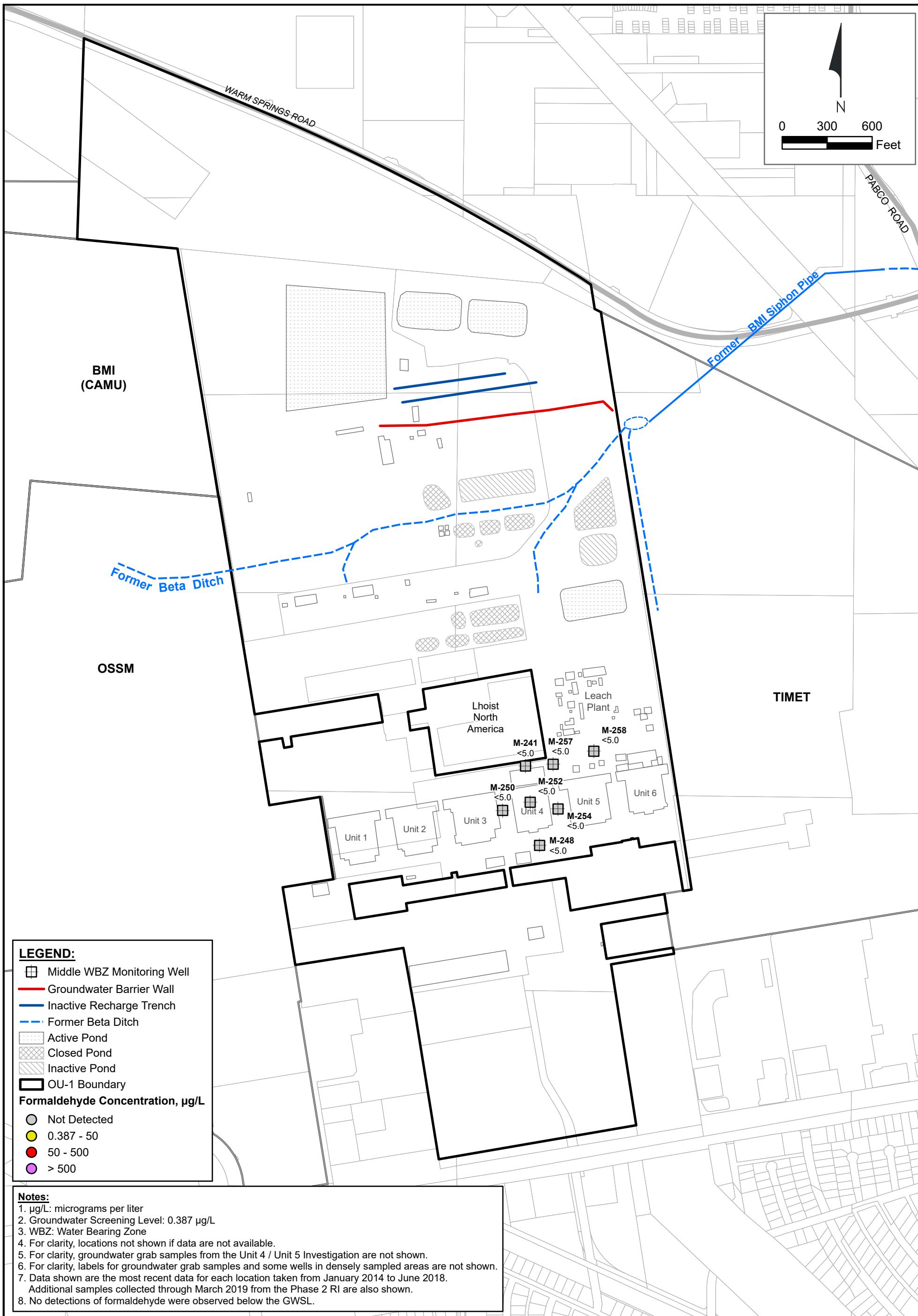
Date: 2023-06-21

Contract Number: 169002 9369

Approved by:

Revised:

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-97d Formaldehyde Upper Middle



Formaldehyde - Middle WBZ (130-300 ft bgs)
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure
7-97e

Drafter: JC

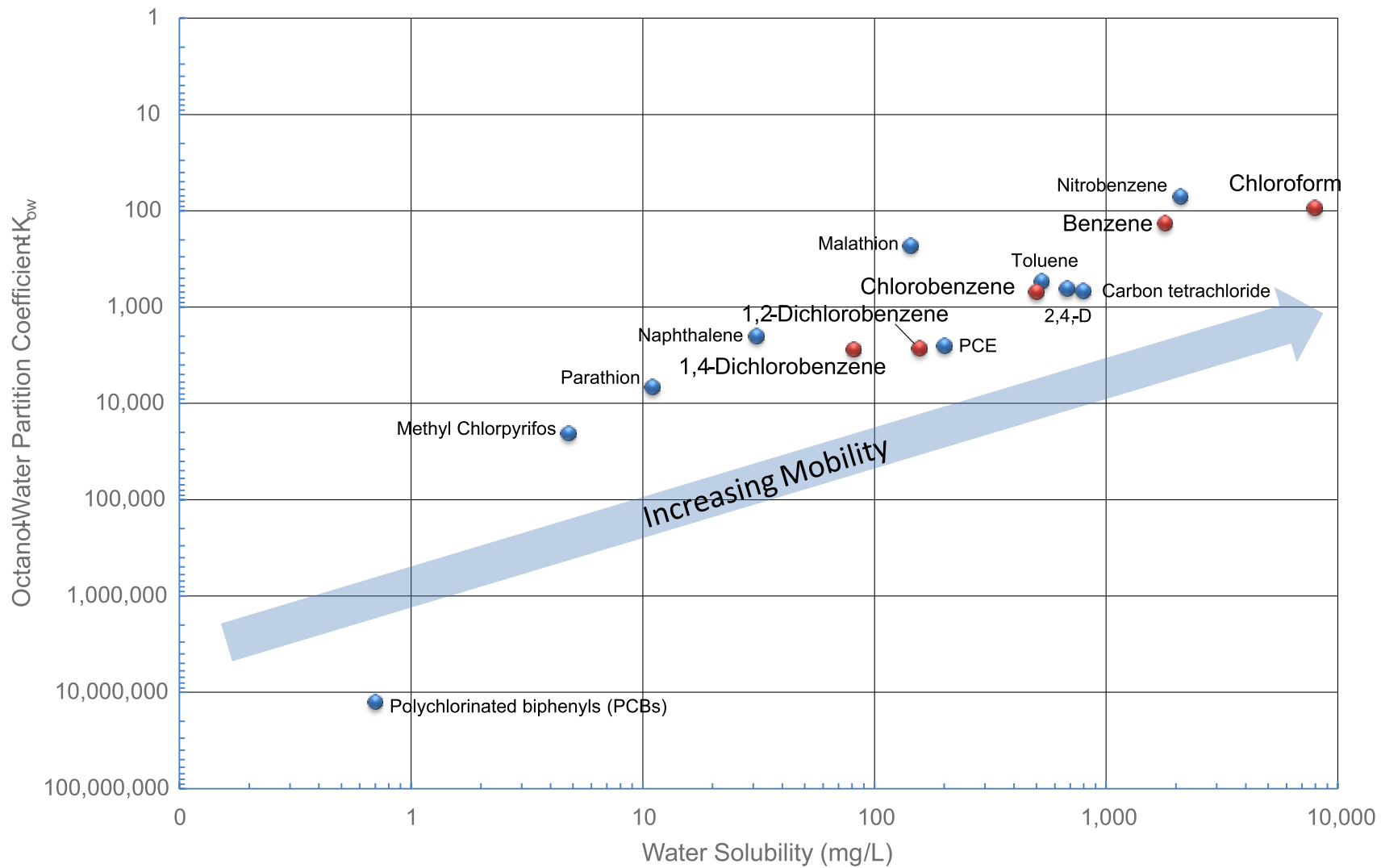
Date: 2023-06-21

Contract Number: 169002 9369

Approved by:

Revised:

Path: H:\LePetomane\NERT\OU-1_OU-2 RI Report\Working_Folder\Groundwater Maps\2022_OU1\figures_5.aprx\Figure 7-97e Formaldehyde Lower Middle



● Other Reference Organics ● OSSM DNAPL Primary Constituents



Relative Mobility of OSSM-related Organic Compounds in Groundwater
 Nevada Environmental Response Trust Site
 Henderson, Nevada

Figure

7-98