Approximate Scale

0 2 4

Miles

X:\OMA009\Ft_Ord\TO_201\Maps
\FONR_Impact_2008\location_map.mxd
Map Source: MS MapPoint
12/10/08 PD

HydroGeoLogic, Inc

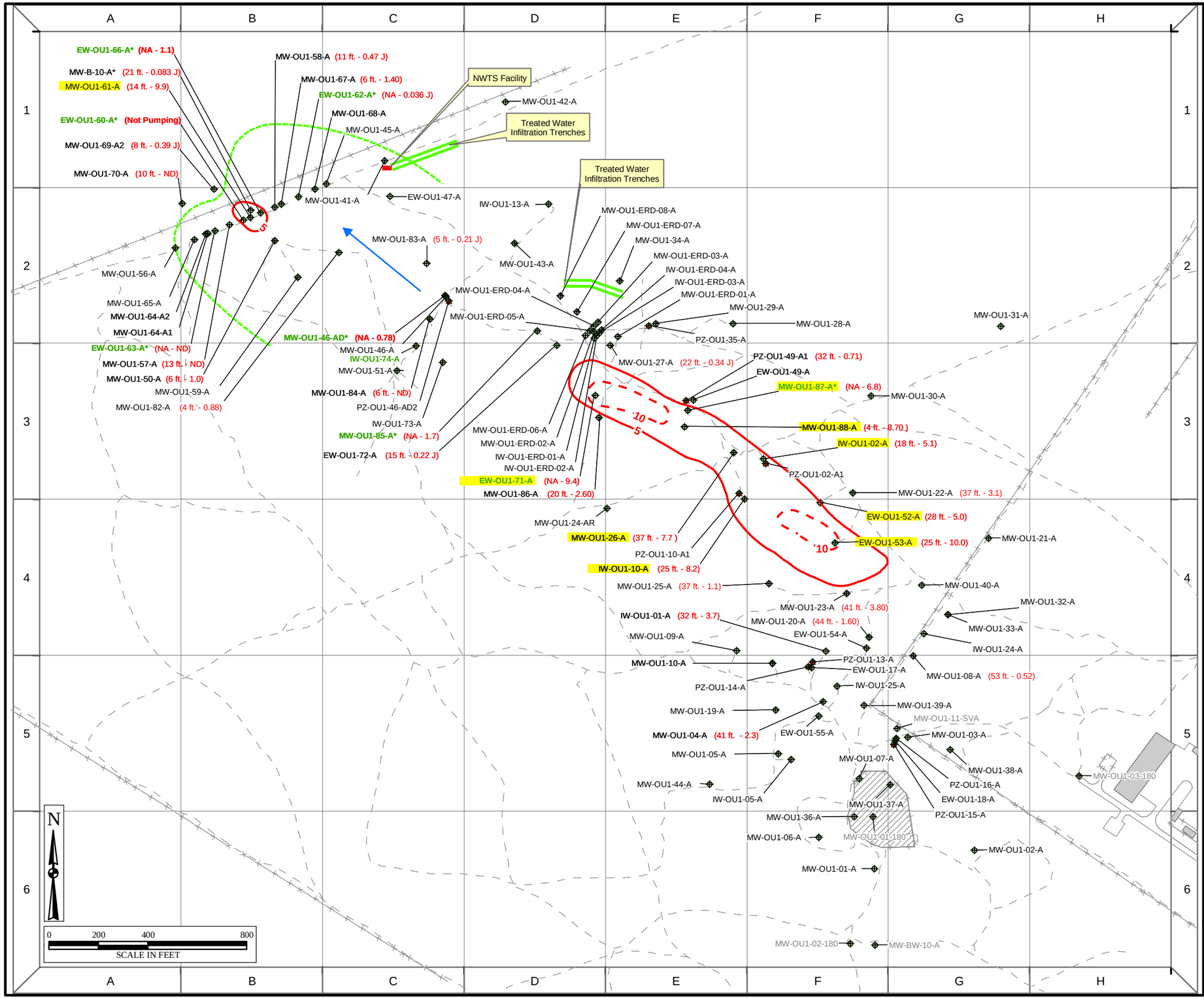
Legend

OU-1 Treatment Plant

Former Fort Ord Boundary

Figure 1.1
Former Fort Ord
Location Map

Figure 1.2
OU-1 FONR
TCE Concentrations in Groundwater
September 2009



Legend

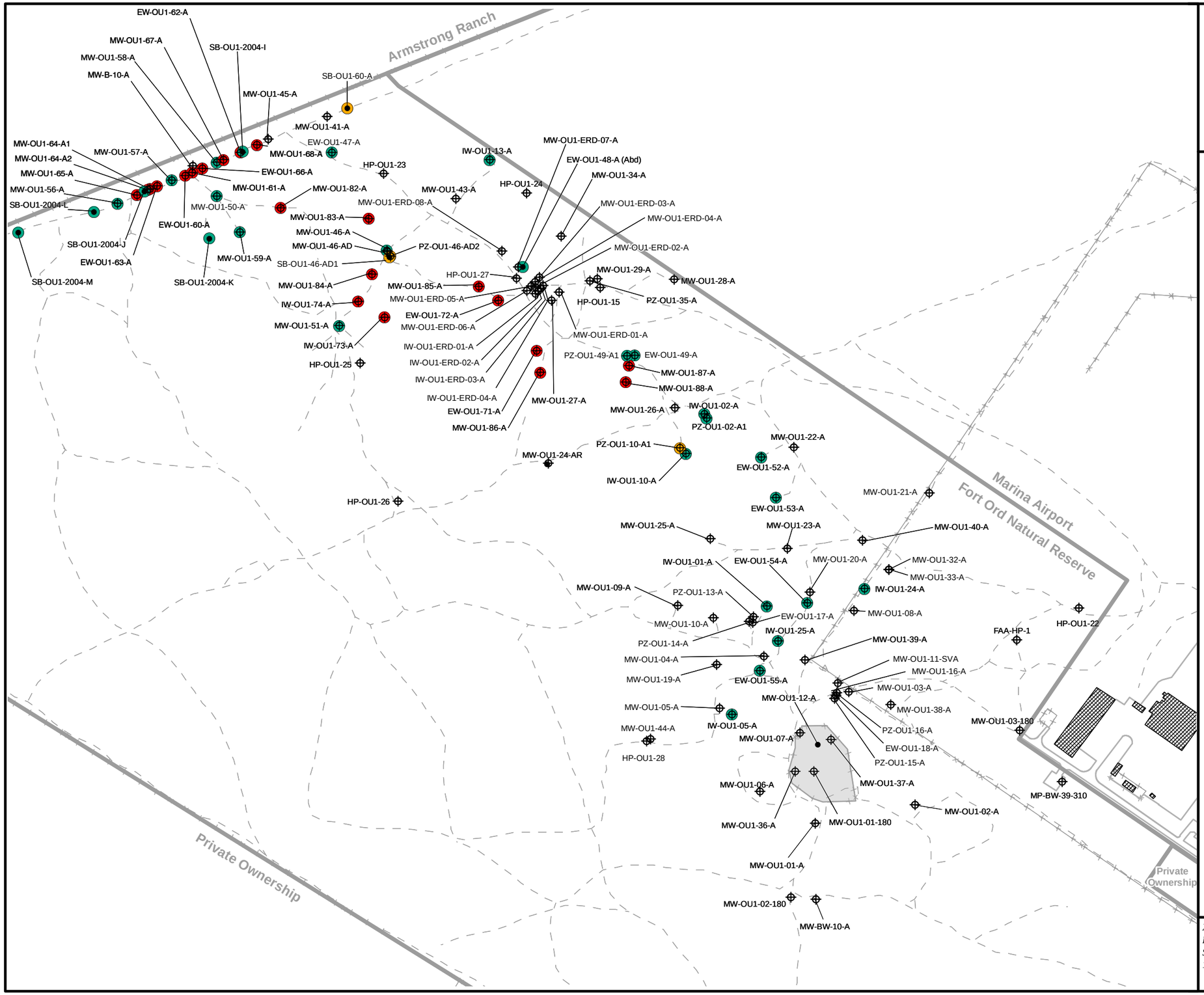
- Monitoring Well
- Extraction Well
  Bold green font indicates active well.
- Injection Well
  Bold green font indicates active well.
- Well Not Sampled
- Piezometer
- MW-OU1-87-A — Locations With September 2009 TCE Concentration At Or Above ACL (5 µg/L)
- —5— TCE Contour (µg/L) Based on September 2009 Data
- Inferred Extent – See Notes Below
- MW-OU1-87-A (42 ft. - 9.30) — Well ID; September 2009 TCE Result (µg/L); Sample Elevation (feet above mean sea level)
- Trail/Unimproved Road
- Fence
- Estimated Northwest Treatment System Capture Zone
- Former Fire Drill Area
- General Direction of Groundwater Flow

Notes:
Units of TCE concentrations are in ppb
ND = Non-detect
NA = Depth is not applicable - sample is from pumping well
J = Estimated Value
µg/L = Micrograms per liter
Wells shown with an asterisk were not used to develop contour boundaries. Active extraction wells were typically not included because the data is not location-specific. Data from extraction well EW-OU1-71-A was used to infer the 10 µg/L TCE contour (shown as dashed line) because the results at that well (9.4 µg/L) and at nearby wells suggest higher TCE concentrations in that vicinity. The TCE concentration at EW-OU1-53-A was 10 µg/L and nearby well data was less than 10 µg/L. Consequently, the 10 µg/L contour enclosing well EW-OU1-53-A was also dashed because the extent is inferred from recent results. Data from MW-B-10-A was excluded because the well does not fully penetrate the A-Aquifer.
Well names appearing in gray were not included in OU1-Groundwater Monitoring Program.
Wells for which no data are posted were not sampled.

X:/OMA009/FT_Ord/TO_201/Maps/FONR_Impact_2009/(1_2)TCE_in_GW_September_2009.mxd
Source: HGL
Created: 10/17/09 CLimoges
Revised: 12/28/09 RBemrich

HGL HydroGeoLogic, Inc

Figure 1.3
OU-1 Soil Borings, Wells, and Piezomenters Constructed Within the FONR

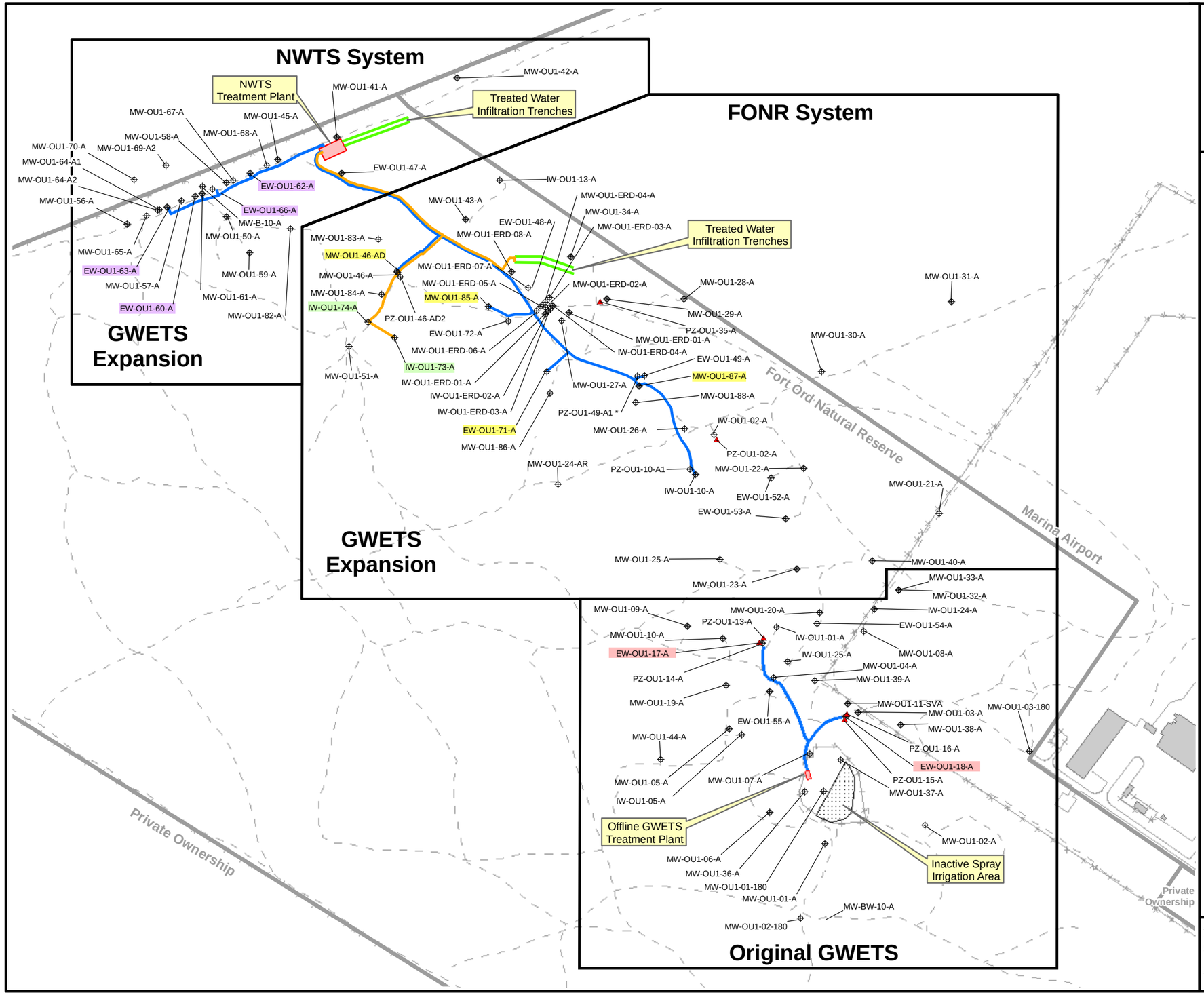


Legend

- Well/Piezometer Drilled Before 2004
- Abandoned Soil Boring/Well/Piezometer
- 2004 Well/Piezometer
- 2004 Soil Boring
- 2005 Well/Piezometer
- 2005 Soil Boring
- 2006 Well/Piezometer
- 2006 Soil Boring
- Trail/Unimproved Road
- Fence
- Fire Drill Area (FDA)

X:/OMA009_Ft_Ord/TO_201/Maps/FONR_Impact_2008/FONR_Sampling.mxd
Source: HydroGeoLogic, Inc.
12/10/08 PD

Figure 1.4
Former Fort Ord Natural Reserve (FONR)
Remediation System Areas



Legend

- Monitoring Well
- EW-OU1-18-A — Original GWETS Extraction Well
- SIW 36061 — FONR Injection Well
- MW-OU1-46-AD — FONR Extraction Well
- EW-OU1-63-A — NWTS Extraction Well
- Piezometer
- Trail/Unimproved Road
- Fence
- Extraction Pipeline
- Treated Water Pipeline
- Treatment Plant

Notes:
NWTS = Northwest Treatment System
FONR = Fort Ord Natural Reserve
GWETS = Groundwater Extraction and Treatment System
The treated water and extraction water pipelines are located in separate trenches within or near the existing roadway. The separation shown in this figure is exaggerated for clarity.

N

0 200 400 800
SCALE IN FEET

X:\OMA009\FT_Ord\TO_201\Maps\FONR_Impact_2009\(1-04)GW_Remediation_Sys.mxd
Source: HydroGeoLogic, Inc.
Created: 12/10/08 PD
Revised: 12/28/09 RB

HydroGeoLogic, Inc

N

0 125 250 500
Feet

1
2
3
4
5
6
7
8
8A
9
14

MW-OU1-50-A
MW-OU1-82-A
MW-OU1-83-A
MW-OU1-46-AD
PZ-OU1-46-AD1
MW-OU1-84-A
MW-OU1-85-A
IW-OU1-74-A
IW-OU1-73-A
MW-OU1-51-A
EW-OU1-72-A
EW-OU1-71-A
MW-OU1-86-A
MW-OU1-87-A
MW-OU1-88-A

FONR OU-1 Sites

FONR OU-1 Sites Surveyed During 2009

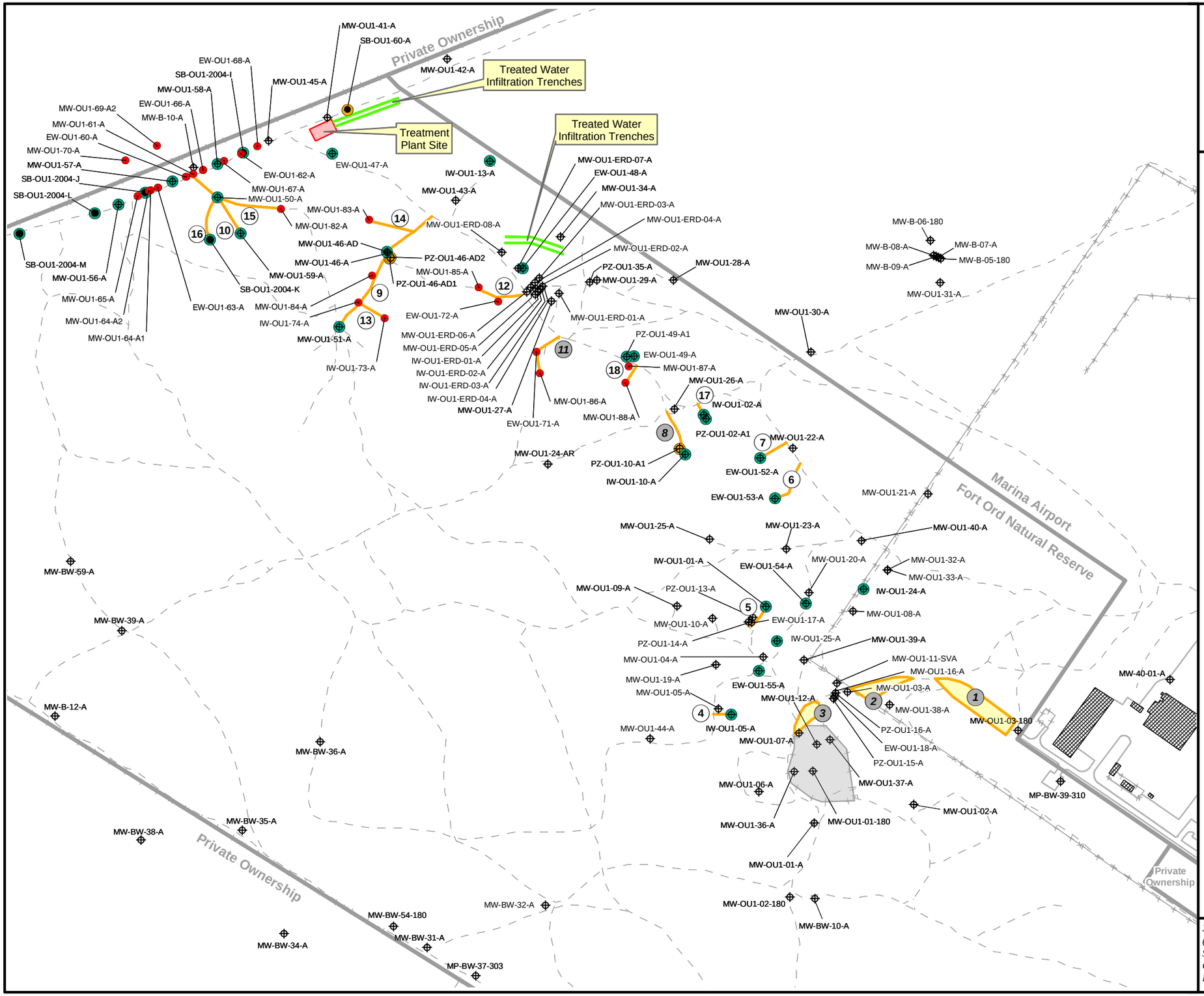
Well Locations Surveyed

DD&A

Figure 1.5

FONR OU-1 Sites Surveyed
for 2009 Rare Plant Surveys

Figure 1.6
Year 2009
Weed Control Segment Locations



Legend

- MW-OU1-31-A — Well/Piezometer Drilled Before 2004
- Abandoned Soil Boring
- 2004 Drilling
- 2005 Drilling
- 2006 Drilling
- Trail/Unimproved Road
- Weed Control Segment
- Fence
- Fire Drill Area (FDA)
- Southern Staging Area in 2004
- 1 — 2009 Weed Control Segment Identification Number
- 1 — Weed Control Segment Addressed in Previous Years

N

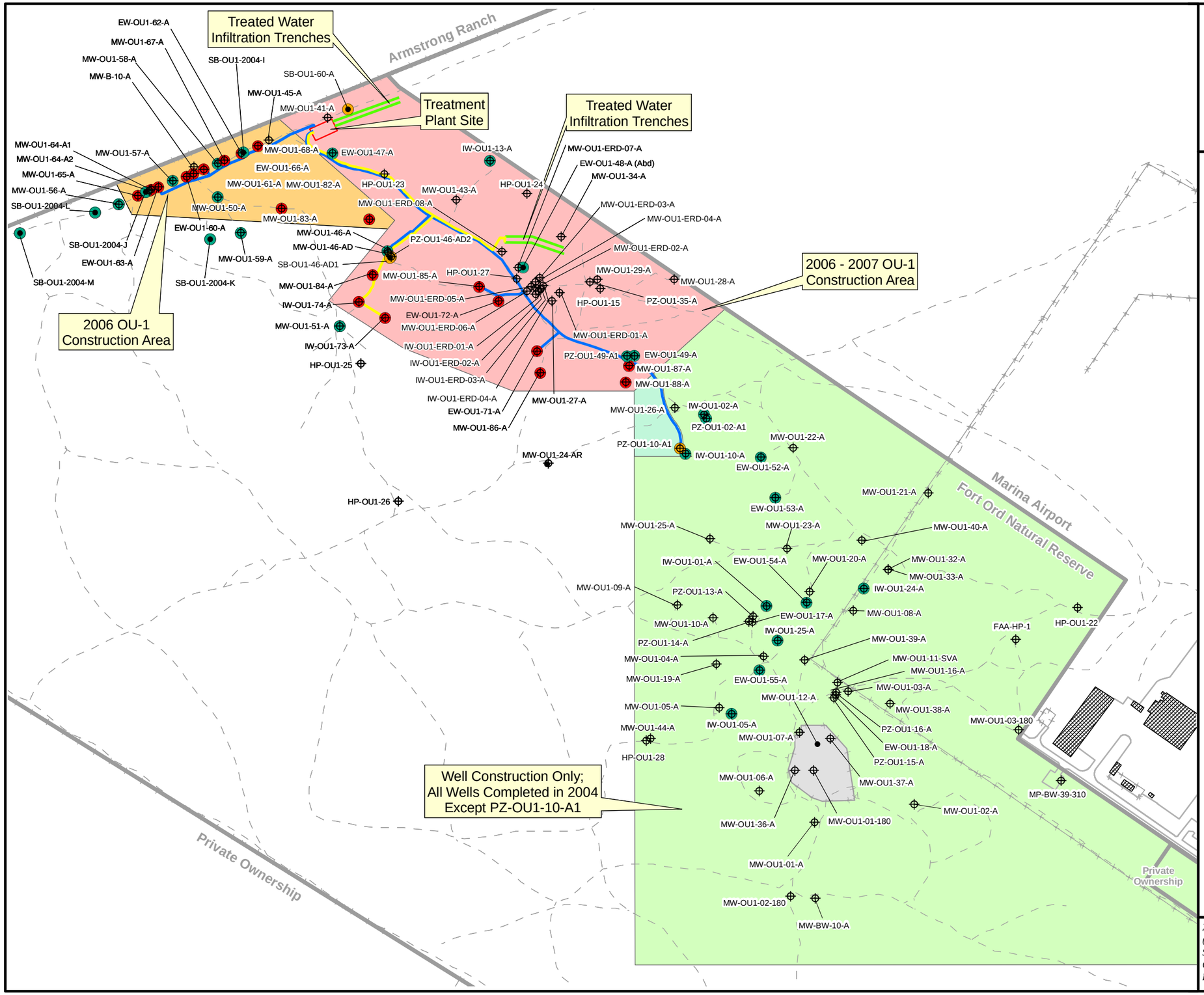
0 200 400 800

SCALE IN FEET

X:/OMA009/FT_Ord/TO_201/Maps/FONR_Impact_2009/(1-06)Weed_Control_2009.mxd
Source: HydroGeoLogic, Inc.
Created: 12/15/09 RB
Revised: 12/28/09 RB

HydroGeoLogic, Inc

Figure 4.1
OU-1
Construction Activity
2004 - 2007



Legend

- Well/Piezometer Drilled Before 2004
- Abandoned Soil Boring/Well/Piezometer
- 2004 Well/Piezometer
- 2004 Soil Boring
- 2005 Well/Piezometer
- 2005 Soil Boring
- 2006 Well/Piezometer
- 2006 Soil Boring
- Extraction Pipeline
- Treated Water Pipeline
- Trail/Unimproved Road
- Fence
- Fire Drill Area (FDA)

Note:
FONR = Fort Ord Natural Reserve
NWTS = Northwest Treatment System
The treated water and extraction water pipelines are located in separate trenches within or near the existing roadway. The separation shown in this figure is exaggerated for clarity.

N

0 200 400 800

SCALE IN FEET

X:/OMA009_Ft_Ord/TO_201/Maps/FONR_Impact_2009/(4-01)Constr_Activity.mxd
Source: HydroGeoLogic, Inc.
Created: 12/10/08 PD
Revised: 12/28/09 RB

Figure 4.2
Summary
of Rare Plant Survey Results
1998 - 2005

Treatment Plant and
HCPP Infiltration Trench
MW-OU1-83-A
MW-OU1-82-A
MW-OU1-46-AD
MW-OU1-85-A
MW-OU1-84-A
IW-OU1-74-A
EW-OU1-72-A
EW-OU1-49-A
MW-OU1-87-A
MW-OU1-88-A
IW-OU1-73-A
MW-OU1-86-A
EW-OU1-71-A
IW-OU1-10-A
MW-OU1-10-A

Legend

- Extraction Pipeline Route
- New Infiltration Trench
- Treated Water Pipeline Route
- Armstrong Ranch Fence
- Monitoring Well
- Hydraulic Control Pilot Project Extraction Well
- New Well for Hydraulic Control Pilot Project Performance Monitoring
- FONR OU-1 New Monitoring Well
- FONR OU-1 Extraction Well
- FONR OU-1 Injection Well

1998 RARE PLANT SURVEY (University of California Santa Cruz)
- 1998 sand gilia
- 1998 Monterey spineflower

2004 RARE PLANT SURVEY (CH2MHill)
- Monterey spineflower
- sand gilia

2005 RARE PLANT SURVEY (CH2MHill)
- sand gilia
- sand gilia
- Monterey spineflower
- Monterey spineflower - High Density
- Monterey spineflower - Medium Density
- Monterey spineflower - Sparse Density
- Monterey spineflower - Very Sparse Density

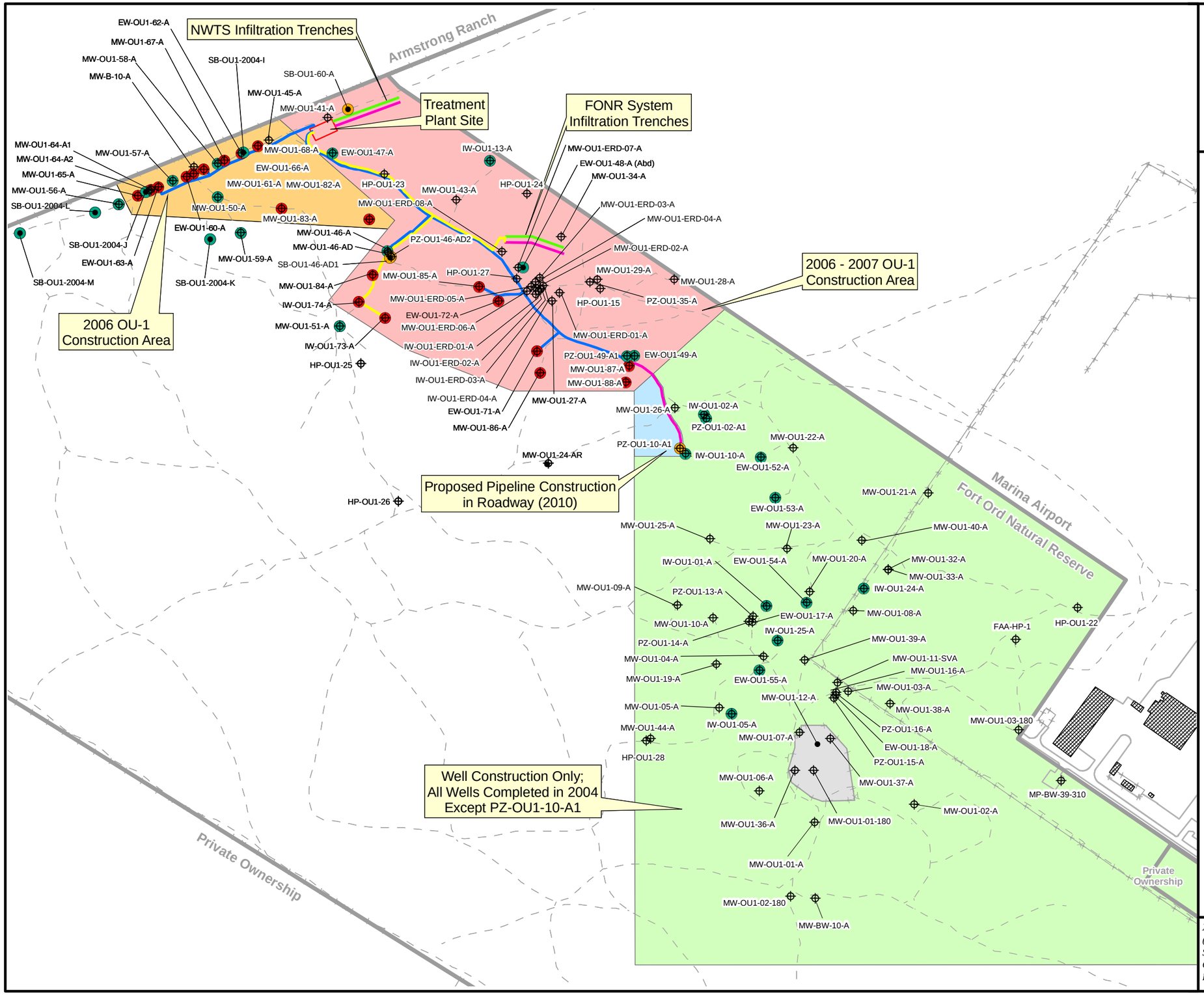
N

0 200 400 800

SCALE IN FEET

X:/OMA009_Ft_Ord/TO_201/Maps/FONR_Impact_2008/98-05_Plant_Survey.mxd
Source: HydroGeoLogic, Inc., CH2M Hill
12/10/08 PD

Figure 5.1
OU-1
Pipeline Extension to
IW-OU1-10-A
(Construction Proposed in 2010)



Legend

- Well/Piezometer Drilled Before 2004
- Abandoned Soil Boring/Well/Piezometer
- 2004 Well/Piezometer
- 2004 Soil Boring
- 2005 Well/Piezometer
- 2005 Soil Boring
- 2006 Well/Piezometer
- 2006 Soil Boring
- IW-OU1-10-A Pipeline Route
- Extraction Pipeline
- Infiltration Trench
- Treated Water Pipeline
- Trail/Unimproved Road
- Fence
- Fire Drill Area (FDA)

Note:
FONR = Fort Ord Natural Reserve
NWTS = Northwest Treatment System
The treated water and extraction water pipelines are located in separate trenches within or near the existing roadway. The separation shown in this figure is exaggerated for clarity.

N

0 200 400 800

SCALE IN FEET

X:/OMA009_Ft_Ord/TO_201/Maps/FONR_Impact_2009/(5-01)Constr_Activity.mxd
Source: HydroGeoLogic, Inc.
Created: 12/10/08 PD
Revised: 12/18/2009 RB