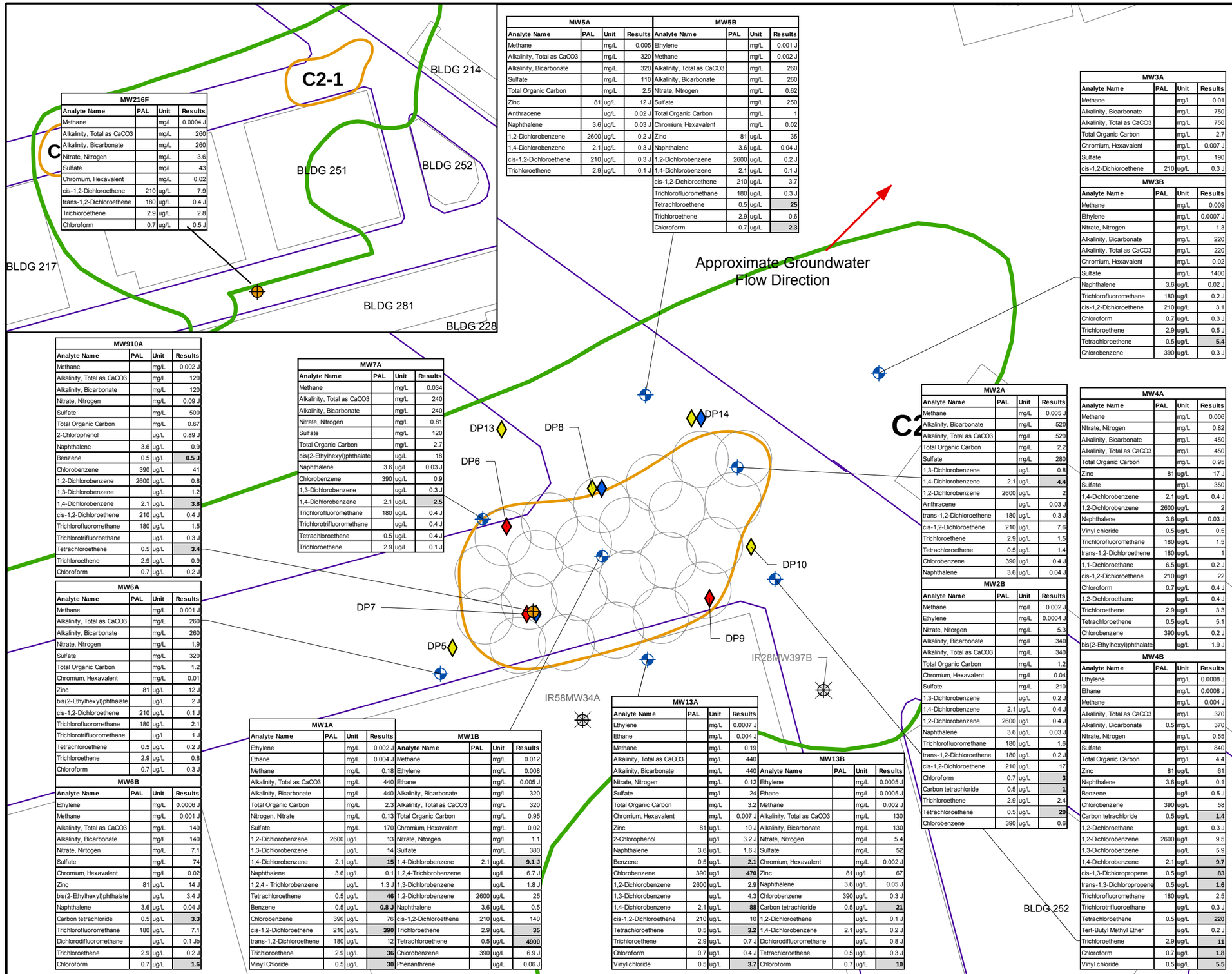

MW216F			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.0004 J
Alkalinity, Total as CaCO3		mg/L	260
Alkalinity, Bicarbonate		mg/L	260
Nitrate, Nitrogen		mg/L	3.6
Sulfate		mg/L	43
Chromium, Hexavalent		mg/L	0.02
cis-1,2-Dichloroethene	210	ug/L	7.9
trans-1,2-Dichloroethene	180	ug/L	0.4 J
Trichloroethene	2.9	ug/L	2.8
Chloroform	0.7	ug/L	0.5 J

MW5A			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.005
Alkalinity, Total as CaCO3		mg/L	320
Alkalinity, Bicarbonate		mg/L	320
Sulfate		mg/L	110
Total Organic Carbon		mg/L	2.5
Zinc	81	ug/L	12 J
Anthracene		ug/L	0.02 J
Naphthalene	3.6	ug/L	0.03 J
1,2-Dichlorobenzene	2600	ug/L	0.2 J
1,4-Dichlorobenzene	2.1	ug/L	0.3 J
cis-1,2-Dichloroethene	210	ug/L	0.3 J
Trichloroethene	2.9	ug/L	0.1 J

MW5B			
Analyte Name	PAL	Unit	Results
Ethylene		mg/L	0.001 J
Methane		mg/L	0.002 J
Alkalinity, Total as CaCO3		mg/L	260
Alkalinity, Bicarbonate		mg/L	260
Nitrate, Nitrogen		mg/L	0.62
Sulfate		mg/L	250
Total Organic Carbon		mg/L	1
Chromium, Hexavalent		mg/L	0.02
Zinc	81	ug/L	35
Naphthalene	3.6	ug/L	0.04 J
1,2-Dichlorobenzene	2600	ug/L	0.2 J
1,4-Dichlorobenzene	2.1	ug/L	0.1 J
cis-1,2-Dichloroethene	210	ug/L	3.7
Trichlorofluoromethane	180	ug/L	0.3 J
Tetrachloroethene	0.5	ug/L	**25**
Trichloroethene	2.9	ug/L	0.6
Chloroform	0.7	ug/L	**2.3**

MW3A			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.01
Alkalinity, Bicarbonate		mg/L	750
Alkalinity, Total as CaCO3		mg/L	750
Total Organic Carbon		mg/L	2.7
Chromium, Hexavalent		mg/L	0.007 J
Sulfate		mg/L	190
cis-1,2-Dichloroethene	210	ug/L	0.3 J

MW3B			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.009
Ethylene		mg/L	0.0007 J
Nitrate, Nitrogen		mg/L	1.3
Alkalinity, Bicarbonate		mg/L	220
Alkalinity, Total as CaCO3		mg/L	220
Chromium, Hexavalent		mg/L	0.02
Sulfate		mg/L	1400
Naphthalene	3.6	ug/L	0.02 J
Trichlorofluoromethane	180	ug/L	0.2 J
cis-1,2-Dichloroethene	210	ug/L	3.1
Chloroform	0.7	ug/L	0.3 J
Trichloroethene	2.9	ug/L	0.5 J
Tetrachloroethene	0.5	ug/L	**5.4**
Chlorobenzene	390	ug/L	0.3 J

MW910A			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.002 J
Alkalinity, Total as CaCO3		mg/L	120
Alkalinity, Bicarbonate		mg/L	120
Nitrate, Nitrogen		mg/L	0.09 J
Sulfate		mg/L	500
Total Organic Carbon		mg/L	0.67
2-Chlorophenol		ug/L	0.89 J
Naphthalene	3.6	ug/L	0.9
Benzene	0.5	ug/L	**0.5 J**
Chlorobenzene	390	ug/L	41
1,2-Dichlorobenzene	2600	ug/L	0.8
1,3-Dichlorobenzene		ug/L	1.2
1,4-Dichlorobenzene	2.1	ug/L	**3.8**
cis-1,2-Dichloroethene	210	ug/L	0.4 J
Trichlorofluoromethane	180	ug/L	1.5
Trichlorotrifluoroethane		ug/L	0.3 J
Tetrachloroethene	0.5	ug/L	**3.4**
Trichloroethene	2.9	ug/L	0.9
Chloroform	0.7	ug/L	0.2 J

MW7A			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.034
Alkalinity, Total as CaCO3		mg/L	240
Alkalinity, Bicarbonate		mg/L	240
Nitrate, Nitrogen		mg/L	0.81
Sulfate		mg/L	120
Total Organic Carbon		mg/L	2.7
bis(2-Ethylhexyl)phthalate		ug/L	18
Naphthalene	3.6	ug/L	0.03 J
Chlorobenzene	390	ug/L	0.9
1,3-Dichlorobenzene		ug/L	0.3 J
1,4-Dichlorobenzene	2.1	ug/L	**2.5**
Trichlorofluoromethane	180	ug/L	0.4 J
Trichlorotrifluoromethane		ug/L	0.4 J
Tetrachloroethene	0.5	ug/L	0.4 J
Trichloroethene	2.9	ug/L	0.1 J

MW6A			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.001 J
Alkalinity, Total as CaCO3		mg/L	260
Alkalinity, Bicarbonate		mg/L	260
Nitrate, Nitrogen		mg/L	1.9
Sulfate		mg/L	320
Total Organic Carbon		mg/L	1.2
Chromium, Hexavalent		mg/L	0.01
Zinc	81	ug/L	12 J
bis(2-Ethylhexyl)phthalate		ug/L	2 J
cis-1,2-Dichloroethene	210	ug/L	0.1 J
Trichlorofluoromethane	180	ug/L	2.1
Trichlorotrifluoromethane		ug/L	1 J
Tetrachloroethene	0.5	ug/L	0.2 J
Trichloroethene	2.9	ug/L	0.8
Chloroform	0.7	ug/L	0.3 J

MW6B			
Analyte Name	PAL	Unit	Results
Ethylene		mg/L	0.0006 J
Methane		mg/L	0.001 J
Alkalinity, Total as CaCO3		mg/L	140
Alkalinity, Bicarbonate		mg/L	140
Nitrate, Nitrogen		mg/L	7.1
Sulfate		mg/L	74
Chromium, Hexavalent		mg/L	0.02
Zinc	81	ug/L	14 J
bis(2-Ethylhexyl)phthalate		ug/L	3.4 J
Naphthalene	3.6	ug/L	0.04 J
Carbon tetrachloride	0.5	ug/L	**3.3**
Trichlorofluoromethane	180	ug/L	7.1
Dichlorodifluoromethane		ug/L	0.1 Jb
Trichloroethene	2.9	ug/L	0.2 J
Chloroform	0.7	ug/L	**1.6**

MW1A			
Analyte Name	PAL	Unit	Results
Ethylene		mg/L	0.002 J
Ethane		mg/L	0.004 J
Methane		mg/L	0.18
Alkalinity, Total as CaCO3		mg/L	440
Alkalinity, Bicarbonate		mg/L	440
Total Organic Carbon		mg/L	2.3
Nitrogen, Nitrate		mg/L	0.13
Sulfate		mg/L	170
1,2-Dichlorobenzene	2600	ug/L	13
1,3-Dichlorobenzene		ug/L	14
1,4-Dichlorobenzene	2.1	ug/L	**15**
Naphthalene	3.6	ug/L	0.1
1,2,4 - Trichlorobenzene		ug/L	1.3 J
Tetrachloroethene	0.5	ug/L	**46**
Benzene	0.5	ug/L	**0.8 J**
Chlorobenzene	390	ug/L	76
cis-1,2-Dichloroethene	210	ug/L	**390**
trans-1,2-Dichloroethene	180	ug/L	12
Trichloroethene	2.9	ug/L	**36**
Vinyl Chloride	0.5	ug/L	**30**

MW1B			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.012
Ethylene		mg/L	0.008
Ethane		mg/L	0.005 J
Alkalinity, Bicarbonate		mg/L	320
Alkalinity, Total as CaCO3		mg/L	320
Total Organic Carbon		mg/L	0.95
Chromium, Hexavalent		mg/L	0.02
Nitrate, Nitorgen		mg/L	1.1
Sulfate		mg/L	380
1,4-Dichlorobenzene	2.1	ug/L	**9.1 J**
1,2,4-Trichlorobenzene		ug/L	6.7 J
1,3-Dichlorobenzene		ug/L	1.8 J
1,2-Dichlorobenzene	2600	ug/L	25
Naphthalene	3.6	ug/L	0.5
cis-1,2-Dichloroethene	210	ug/L	140
Trichloroethene	2.9	ug/L	**35**
Tetrachloroethene	0.5	ug/L	**4900**
Chlorobenzene	390	ug/L	6.9 J
Phenanthrene		ug/L	0.06 J

MW13A			
Analyte Name	PAL	Unit	Results
Ethylene		mg/L	0.0007 J
Ethane		mg/L	0.004 J
Methane		mg/L	0.19
Alkalinity, Total as CaCO3		mg/L	440
Alkalinity, Bicarbonate		mg/L	440
Nitrate, Nitrogen		mg/L	0.12
Sulfate		mg/L	24
Total Organic Carbon		mg/L	3.2
Chromium, Hexavalent		mg/L	0.007 J
Zinc	81	ug/L	10 J
2-Chlorophenol		ug/L	3.2 J
Naphthalene	3.6	ug/L	1.6 J
Benzene	0.5	ug/L	**2.1**
Chlorobenzene	390	ug/L	**470**
1,2-Dichlorobenzene	2600	ug/L	2.9
1,3-Dichlorobenzene		ug/L	4.3
1,4-Dichlorobenzene	2.1	ug/L	**88**
cis-1,2-Dichloroethene	210	ug/L	10
Tetrachloroethene	0.5	ug/L	**3.2**
Trichloroethene	2.9	ug/L	0.7 J
Chloroform	0.7	ug/L	0.4 J
Vinyl chloride	0.5	ug/L	**3.7**

MW13B			
Analyte Name	PAL	Unit	Results
Ethylene		mg/L	0.0005 J
Ethane		mg/L	0.0005 J
Methane		mg/L	0.002 J
Alkalinity, Total as CaCO3		mg/L	130
Alkalinity, Bicarbonate		mg/L	130
Nitrate, Nitrogen		mg/L	5.4
Sulfate		mg/L	52
Chromium, Hexavalent		mg/L	0.002 J
Zinc	81	ug/L	67
Naphthalene	3.6	ug/L	0.05 J
Chlorobenzene	390	ug/L	0.3 J
Carbon tetrachloride	0.5	ug/L	**21**
1,2-Dichloroethane		ug/L	0.1 J
1,4-Dichlorobenzene	2.1	ug/L	0.2 J
Dichlorodifluoromethane		ug/L	0.8 J
Tetrachloroethene	0.5	ug/L	0.3 J
Chloroform	0.7	ug/L	**10**

MW2A			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.005 J
Alkalinity, Bicarbonate		mg/L	520
Alkalinity, Total as CaCO3		mg/L	520
Total Organic Carbon		mg/L	2.2
Sulfate		mg/L	280
1,3-Dichlorobenzene		ug/L	0.8
1,4-Dichlorobenzene	2.1	ug/L	**4.4**
1,2-Dichlorobenzene	2600	ug/L	2
Anthracene		ug/L	0.03 J
trans-1,2-Dichloroethene	180	ug/L	0.3 J
cis-1,2-Dichloroethene	210	ug/L	7.6
Trichloroethene	2.9	ug/L	1.5
Tetrachloroethene	0.5	ug/L	1.4
Chlorobenzene	390	ug/L	0.4 J
Naphthalene	3.6	ug/L	0.04 J

MW2B			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.002 J
Ethylene		mg/L	0.0004 J
Nitrate, Nitorgen		mg/L	5.3
Alkalinity, Bicarbonate		mg/L	340
Alkalinity, Total as CaCO3		mg/L	340
Total Organic Carbon		mg/L	1.2
Chromium, Hexavalent		mg/L	0.04
Sulfate		mg/L	210
1,3-Dichlorobenzene		ug/L	0.2 J
1,4-Dichlorobenzene	2.1	ug/L	0.4 J
1,2-Dichlorobenzene	2600	ug/L	0.4 J
Naphthalene	3.6	ug/L	0.03 J
Trichlorofluoromethane	180	ug/L	1.6
trans-1,2-Dichloroethene	180	ug/L	0.2 J
cis-1,2-Dichloroethene	210	ug/L	17
Chloroform	0.7	ug/L	**3**
Carbon tetrachloride	0.5	ug/L	**1**
Trichloroethene	2.9	ug/L	2.4
Tetrachloroethene	0.5	ug/L	**20**
Chlorobenzene	390	ug/L	0.6

MW4A			
Analyte Name	PAL	Unit	Results
Methane		mg/L	0.006
Nitrate, Nitrogen		mg/L	0.82
Alkalinity, Bicarbonate		mg/L	450
Alkalinity, Total as CaCO3		mg/L	450
Total Organic Carbon		mg/L	0.95
Zinc	81	ug/L	17 J
Sulfate		mg/L	350
1,4-Dichlorobenzene	2.1	ug/L	0.4 J
1,2-Dichlorobenzene	2600	ug/L	2
Naphthalene	3.6	ug/L	0.03 J
Vinyl chloride	0.5	ug/L	0.5
Trichlorofluoromethane	180	ug/L	1.5
trans-1,2-Dichloroethene	180	ug/L	1
1,1-Dichloroethane	6.5	ug/L	0.2 J
cis-1,2-Dichloroethene	210	ug/L	22
Chloroform	0.7	ug/L	0.4 J
1,2-Dichloroethane		ug/L	0.4 J
Trichloroethene	2.9	ug/L	3.3
Tetrachloroethene	0.5	ug/L	5.1
Chlorobenzene	390	ug/L	0.2 J
bis(2-Ethylhexyl)phthalate		ug/L	1.9 J

MW4B			
Analyte Name	PAL	Unit	Results
Ethylene		mg/L	0.0008 J
Ethane		mg/L	0.0008 J
Methane		mg/L	0.004 J
Alkalinity, Total as CaCO3		mg/L	370
Alkalinity, Bicarbonate	0.5	mg/L	370
Nitrate, Nitrogen		mg/L	0.55
Sulfate		mg/L	840
Total Organic Carbon		mg/L	4.4
Zinc	81	ug/L	61
Naphthalene	3.6	ug/L	0.1
Benzene		ug/L	0.5 J
Chlorobenzene	390	ug/L	58
Carbon tetrachloride	0.5	ug/L	**1.4**
1,2-Dichloroethane		ug/L	0.3 J
1,2-Dichlorobenzene	2600	ug/L	9.5
1,3-Dichlorobenzene		ug/L	5.9
1,4-Dichlorobenzene	2.1	ug/L	**9.7**
cis-1,3-Dichloropropene	0.5	ug/L	**83**
trans-1,3-Dichloropropene	0.5	ug/L	**1.6**
Trichlorofluoromethane	180	ug/L	2.5
Trichlorotrifluoroethane		ug/L	0.3 J
Tetrachloroethene	0.5	ug/L	**220**
Tert-Butyl Methyl Ether		ug/L	0.2 J
Trichloroethene	2.9	ug/L	**11**
Chloroform	0.7	ug/L	**1.8**
Vinyl chloride	0.5	ug/L	**5.5**

LEGEND

- EXISTING MONITORING WELL (PROPOSED FOR EFFECTIVENESS MONITORING)
- PROPOSED MONITORING WELL
- DEMOLISHED WELL

DIRECT PUSH SAMPLE LOCATION

- A AQUIFER WITH EXCEEDANCE OF ≥10 TIMES THE SCREENING LEVEL
- A AQUIFER WITH NO EXCEEDANCE OF >10 TIMES THE SCREENING LEVEL
- B AQUIFER WITH EXCEEDANCE OF SCREENING LEVEL
- INJECTION BORING ROI (12-FT)
- APPROXIMATE BOUNDARY OF RU-C2
- BIOREMEDIATION AREA BASED ON A-AQUIFER EXCEEDANCE

Notes:

ROI - Radius of Influence

N W E S

0 20 40 80 Feet

DEPARTMENT OF THE NAVY
BASE REALIGNMENT AND CLOSURE

REMEDIAL UNIT C2
HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA

FIGURE 3-6

INJECTION LOCATIONS AND PROPOSED MONITORING LOCATIONS FOR IN SITU TREATMENT AT C2-1

THE ALLIANCE COMPLIANCE GROUP JOINT VENTURE

DATE: FEBRUARY 2013
CONTRACT NO.: N62473-06-D-2206
TASK ORDER: 0093
DCN: ALNC-2206-0093-0006

V:\Projects\B418 Hunters Point\Egnyte\B-5_3-6 Injection Locations.mxd