5.1 Addendum to Field Investigation

This section presents a summary of the findings and the sampling approach for each of the three remaining investigation areas (IA) at the Site that includes IA2, IA6, and IA10. For the sake of completeness, a summary of the findings for IA1, IA3, IA4, IA5, IA7, IA8 and IA9 is also presented and each is accompanied by a concluding statement indicating if all necessary data has been collected in delineating the extent of hydrocarbon impacts at each IA. The discussion for each IA includes information obtained from the implementation phase of the expanded site investigation activities that have occurred from May 2005 through July 2005, and will include either a discussion of the proposed sampling approach and a description of field activities to be performed or a conclusion that no additional investigation is warranted. The Site discussions are provided for use by field personnel as summaries of tasks to be completed, to aid in the understanding of the proposed activities, and to facilitate observational decision making during the field program. This addendum will rely on the document titled *Remedial Investigation Workplan for the Requa Formerly Used Defense Site*, prepared by ATC Associates Inc. (ATC) in May 2005. In addition, references are made to soil samples collected during the May 2005 through July 2005 investigation activities and can be found on Table 5-1, *Analytical Results of Soil Samples Collected During the Site Investigation Activities (May - July 2005).* Groundwater samples collected during the May 2005 through July 2005 investigation activities are located on Table 5-2, *Analytical Results of Groundwater Samples Collected During the Site Investigation Activities (May - July 2005).*

In general, sample quantities (excluding field quality control samples) collected from each soil boring drilled at the three IAs will continue to follow these guidelines:

1) For each soil boring, a soil sample will be collected every five feet from ground surface to the groundwater/soil interface with a terminal sample collected from the saturated zone.

2) One groundwater sample will be collected from each soil boring and will be submitted for laboratory analysis.

3) Selection of the soil samples for submittal to the analytical laboratory will be as follows:

    - If field screening indicates impacts, submit soil sample collected from interval prior to impacts, each interval where impacts are indicated and from the interval following the impacts and one from the soil and groundwater interface or below. For example, if petroleum impacts were detected using the PID in the soil samples collected at the 15 and 20-foot depths and groundwater was encountered at 31 feet bgs, then five soil samples would be submitted to the analytical laboratory (one from the 10, 15, 20, 25, 35 foot depths).

    - If field screening does not indicate impacts, sample interval to include one from the ten-foot depth and one from the soil and groundwater interface or below (two soil samples per boring).

It is anticipated that soil borings will be installed at each IA at the approximate locations depicted on Figures 4-8 Addendum to Investigation Area 2 Map and Figure 4-9 Addendum to Investigation Area 6 and 10 Map. However, at the discretion of the Field Geologist and/or Contractor Field Coordinator, adjustments may need to be made to the number of soil borings drilled at each IA, soil boring locations, depths and/or the number of samples collected from each boring.

Step-out borings will be installed east of IA-2 and Step-in borings will be installed between IA-6 and IA-10. It is ATC's intent to install the Step-out borings approximately 120 to 150 feet east of IA-2. If warranted, additional Step-out borings may be installed at IA-2.

5.2.1 Investigation Area 1 – UST-1

IA-1 is composed of a former 500-gallon UST (UST-1), that was located south of the former electrical shop or a.k.a. ceramics shop (Building 4150) and an apparent sediment trap (formerly suspected to be an oil/water separator), located east Building 4150.

The investigation identified 320 ug/l of total petroleum hydrocarbon as diesel range hydrocarbons (TPH-d) and 1500 ug/l of lube oil range hydrocarbons in the groundwater grab sample collected from boring IA1-SB1. An additional soil boring (IA1-SB3) was installed downgradient of IA1-SB1. No gasoline, diesel or lube oil range hydrocarbons were detected in the soil and groundwater samples collected and analyzed from this soil boring. No other analyzed constituents that were above screening levels were detected. Based on this data, no additional investigation appears to be warranted in this IA.

5.2.2 Investigation Area 2 – ASTs 1-3

IA-2 is composed of two former 63,000-gallon ASTs (AST 1 and 2) and one former 42,000-gallon AST (AST 3), located east of building 4120. IA-2 also includes the subsurface product lines that reportedly ran from the ASTs to Building 4101.

The investigation approach for IA-2 was designed to characterize soil in the vicinity of the former ASTs and associated subsurface piping. During the tank removal activities conducted by CAPE in 2002, two soil samples were collected at 1.5 feet bgs from around each of the tanks. The sample around AST-1 contained TPH-g and TPH-d at a maximum of 1.7 mg/kg and 290 mg/kg respectively. The sample collected around AST-2 contained TPH-g and TPH-d at a maximum of 2.4 mg/kg and 160 mg/kg, respectively. The samples collected from around AST-3 contained a TPH-g and TPH-d at a maximum of 4 mg/kg and 1,700 mg/kg, respectively. Laboratory analysis of the soil samples was limited to only TPH-g and TPH-d (Table 2-2A).

One boring was advanced in March of 2003 by USACE during their Supplemental Vertical Profiling Investigation. The boring was advanced to a depth of 85 feet bgs and a soil sample was collected every five to ten feet from ground surface. A groundwater sample was collected at 14 feet bgs. TPH-d was detected in soil samples as deep as 35 feet bgs at 1.2 mg/kg but the sample was flagged as having "Unknown single or multiple peaks that do not match the laboratory standard". COCs were detected at their respective maximums at 15 feet bgs. Ethylbenzene, xylenes, TPH-g and TPH-d were detected at 160 ug/kg, 289 ug/kg, 41 mg/kg and 3000 mg/kg, respectively at 15 feet bgs. No other analyzed constituents were encountered in soil above the method reporting limits. The analyzed groundwater sample contained TPH-d at 950 ug/l. No other analyzed constituents were encountered in groundwater above the method reporting limits.

The investigation approach for IA-2 was designed to further characterize soil and groundwater in the vicinity of the former ASTs and underground piping. From May to July 2005, ATC installed seven soil borings in this IA. Subsurface soil and groundwater was identified with TPH-d and TPH-g in the location of the former ASTs and approximately 40 feet north and south of the former ASTs. The eastern most soil boring, IA2-SB6 was located centrally between the three ASTs. The maximum TPH-g and TPH-d concentrations in soil were 430 mg/kg and 7,000 mg/kg respectively and were encountered at a depth of 15 feet below ground surface (bgs).

TPH-d and TPH-g were detected in groundwater samples collected from IA2 SB3 at 540 ug/l and 670 ug/l at a depth of 22 feet bgs, and from IA2-SB6 at a depth of 28 feet bgs at a concentration of 7300 ug/l and 160 ug/l respectively. Naphthalene was detected in groundwater samples collected from IA2-SB3, IA2-SB4, and IA2-SB6 at concentrations of 0.675 ug/l, 0.82 ug/l and 0.66 ug/l, respectively. These naphthalene concentrations were above the screening level of 0.029 ug/l.

Due to access limitations, placement of any soil borings east of IA2-SB6 presents topographical challenges. The following aerial photograph, Figure 5-1 shows the general area of the proposed borings. Directly east of the former ASTs, beyond the earthen berm, is a steep hillside that slopes down towards the east. It is proposed that additional investigation will include cutting a temporary road into the hillside approximately 120 to 150 feet east of IA2-SB6 (See Figure 5-2, *IA2 Additional Soil Boring Map*). This will allow access for drilling up to three borings along this east facing steeply graded area. This land is not part of the Requa FUDS site. With the assistance of the Yurok Tribe, ATC will attempt to secure written authorization from the property owner for access.

In addition, ATC will remove a section of the concrete wall within the manmade bermed area of the former ASTs to allow access for the installation of one soil boring south-southwest of IA2-SB6. The manmade berms surrounding the former ASTs may be subject to disturbance by heavy equipment.

An estimated total of 8 soil samples will be submitted to an off-site laboratory for analysis of the parameters listed in Table 3-2 of the *Requa FUDs Workplan,* [ATC Associates Inc, May 2005].

An estimated total of four groundwater samples will be collected and submitted to an off-site laboratory for analysis of the parameters listed in Table 3-2 of the *Requa FUDs Workplan,* [ATC Associates Inc, May 2005].

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5.2.3 Investigation Area 3 – UST 2 and UST 3

IA-3 is composed of one former 10,150-gallon diesel tank (UST 2) and one 1,000-gallon diesel tank (UST-3) that were located north of Building 4120 and south of Building 4101.

Samples collected during the UST removal activities [Cape, 2002] in IA-3 detected TPH-g, TPH-d, toluene, ethylbenzene, and total xylenes in Tank Pit 2 at maximum concentrations of 660 mg/kg, 7,100 mg/kg, 5.7 ug/kg, 15 ug/kg and 41 ug/kg, respectively. The sample collected from Tank Pit 3 had detections of TPH-g and TPH-d at 43 mg/kg and 220 mg/kg, respectively. See Table 2-2A of *Requa FUDs Workplan*, [ATC Associates Inc, May 2005].

Soil and groundwater were sampled during the USACE investigation conducted in March 2003. One boring was advanced to 70 feet below ground surface, with soil samples collected every five feet from 15 feet below ground surface to total depth. TPH-d was detected at a maximum concentration of 7 mg/kg at 20 feet bgs in soil. No other analyzed constituents were encountered in soil above the method reporting limits. A groundwater sample was collected at 11.3 feet bgs and TPH-d and TPH-g were detected at a concentration of 18,000 ug/l and 61 ug/l, respectively. No other analyzed constituents were encountered in groundwater above the method reporting limits. See Table 2-2B *Requa FUDs Workplan*, [ATC Associates Inc, May 2005].

Three soil borings were installed in this IA during the May to July 2005 drilling activities. No TPH-d, TPH-g, BTEX, or PAH concentrations were detected above screening levels in the analyzed soil and groundwater samples, except for IA3-SB2 at 15 feet below ground surface (bgs) had a detected TPH-d concentration of 470 mg/kg. Based on this data, no additional investigation appears to be warranted in this IA.

5.2.4 Investigation Area 4 – UST 9

IA-4 is composed of one former UST located northwest of Building 4107. The size of the former UST is unknown.

Samples collected during the UST removal in IA-4 [Cape 2002] indicate concentrations of TPH-g at a maximum concentration of 270 mg/kg at eight feet bgs. Ethylbenzene, xylenes and TPH-d were detected in soil at a maximum concentration of 36 ug/kg, 45 ug/kg and 2,400 mg/kg, respectively at ten feet bgs.

Soil sampled during the USACE investigation reported TPH-d at 45 feet bgs at which point the boring encountered refusal. TPH-d was reported at 16 mg/kg at 45 feet bgs, however the sample was flagged as "A compound heavier than laboratory standard". Ethylbenzene, xylenes, TPH-g and TPH-d were detected at maximum concentrations of 500 ug/kg, 120 ug/kg, 200 mg/kg, and 1500 mg/kg at ten feet bgs; however the TPH-g result was flagged as "having compounds heavier than laboratory standard" and "having unknown single or multiple peaks that do not match the laboratory standard." During the USACE investigation, groundwater was sampled at nine feet bgs. Groundwater was reported to contain benzene, ethylbenzene, xylenes, TPH-d and TPH-g at 6.4 ug/l, 5.1 ug/l, 0.21 ug/l, 5,900 ug/l and 340f ug/l respectively. However the xylenes result was flagged as "Compound concentration reporttred as estimated by laboratory" and the TPH-g result was flagged as "Having heavier than laboratory standard" and "having unknown single or multiple peaks that do not match the laboratory standard." No other constituents were encountered above the method reporting limits.

Three soil borings were installed in this IA during the May to July 2005 drilling activities. No TPH-d, TPH-g, BTEX, or PAH concentrations were detected above screening levels in the analyzed soil and groundwater samples collected from the three soil borings. Based on this data, no additional investigation appears to be warranted in this IA.

5.2.5 Investigation Area 5 – UST 5

IA-5 is composed of one former 250-gallon diesel UST located near the GATR building.

One boring (Boring 7) was advanced to 40 feet bgs in the vicinity of UST 5 during the USACE supplemental vertical profiling investigation. TPH-d was detected in soil at a maximum depth of 40 feet bgs at 110 mg/kg. TPH-d was detected at a maximum concentration of 2,600 mg/kg at 10 feet bgs. Toluene and TPH-g were detected at maximum concentrations of 36 ug/kg and 21 mg/kg, respectively, at 20 feet bgs. However the TPH-g result was flagged as “having compounds heavier than the laboratory standard” and “Having unknown single or multiple peaks that do not match the laboratory standard.” Groundwater sampled during the USACE investigation at 33 feet bgs, reported no analyzed constituents above the method reporting limits.

Three soil borings were installed in this IA during the May to July 2005 drilling activities. TPH-d was detected at a concentration of 150 mg/kg at 15 feet bgs and 1800 mg/kg at 20 feet bgs in soil boring IA5-SB1. No TPH-d, TPH-g, BTEX, or PAH concentrations were detected above screening levels in the remaining analyzed soil samples collected from the three soil borings.

A groundwater grab sample collected at a depth of 27 feet bgs from IA5-SB1 had a detected TPH-d concentration of 380 ug/l and the groundwater grab sample from IA5-SB3 at a depth of 25 feet bgs had a TPH-d concentration of 270 ug/l. IA5-SB1 had benzo[g,h,i]perylene at a concentration of 0.10 ug/l and naphthalene at a concentration of 0.16 ug/l detected in the groundwater sample. Based on analytical data, no additional investigation appears to be warranted in this IA.

5.2.6 Investigation Area 6 – UST-6

IA-6 is composed of a former 9,400-gallon underground diesel tank (UST 6), which was located northwest of Building 4214.

Soil samples collected during the UST removal [Cape 2002] in IA-6 detected TPH-g and TPH-d at maximum concentration of 7.6 mg/kg and 1,300 mg/kg respectively at 14.5 feet bgs. No other constituents were analyzed during that investigation.

One boring was advanced during the USACE investigation to 60 feet bgs. A soil sample was collected approximately every five feet from ground surface. The boring encountered TPH-d at a maximum depth of 30 feet bgs at a concentration of 1.2 mg/kg. The TPH-d result was flagged as “Having compounds heavier than laboratory standard” and “Having unknown single or multiple peaks that do not match the laboratory standard.” Ethylbenzene and xylenes were reported at maximum concentrations of 27 ug/kg and 34 ug/kg respectively at 15 feet bgs. TPH-g was reported at its maximum at a depth of 20 feet with a result of 9.3 mg/kg, however the result was flagged as “Having compounds heavier than laboratory standard” and “Having unknown single or multiple peaks that do not match the laboratory standard.” Groundwater sampled during the

USACE investigation at 53 feet bgs, was reported to have detected ethylbenzene, xylenes, TPH-d and TPH-g at 25 ug/l, 8.3 ug/l, 770,000 ug/l and 8,400 ug/l respectively. However the TPH-g result was flagged as "Having heavier than laboratory standard" and "having unknown single or multiple peaks that do not match the laboratory standard."

Four soil borings were installed in this IA during the May to July 2005 drilling activities. TPH-d and TPH-g were detected at concentrations of 730 mg/kg and 110 mg/kg respectively at 10 feet bgs, 1900 mg/kg and 78 mg/kg respectively at 15 feet bgs, 310 mg/kg and 48 mg/kg respectively at 20 feet bgs and 210 mg/kg and 110 mg/kg at 25 feet bgs in soil boring IA6-SB2. The groundwater grab sample, collected at a depth of 24 feet bgs, had a detected TPH-d concentration of 160,000 ug/l and a TPH-g concentration of 7,000 ug/l. Benzene was reported at a concentration of 1.04 ug/l as well as PAHs with concentrations above screening levels. IA6-SB4 also had detections of TPH-d in the groundwater grab sample collected at a depth of 35 feet bgs at a concentration of 760 ug/l.

Included were the Step-outs associated with IA6 and the area was named IA10. IA10 is located approximately 450 feet west of IA6 and is along the paved access road on the south boundary of the Site directly downgradient from IA6. A total of three soil borings were installed with IA10-SB1 drilled to a maximum depth of 45 feet bgs along the access road. Groundwater grab samples collected from IA10-SB1 and IA10-SB2 had detected concentrations of PAHs (benzo[b]fluoranthene, benzo[g,h,i]perylene, dibenz[a,h]anthracene and naphthalene) above screening levels. The impacts to groundwater are suspected to be from IA-6.

ATC proposes to subcontract earthworks to provide a level surface along the base of the retaining wall southwest of Building 4214 eastward to the paved road that provides access to site. This will allow mobilization of the drill rig into and out of the area for the installation of three to four soil borings approximately 60 to 120 feet from the former UST (see Figure 5-3: *IA6 Additional Soil Boring and Preliminary Monitoring Well Installation Map*). Samples will be submitted to an off-site analytical laboratory and analyzed for the parameters listed in Table 3-2 *Requa FUDs Workplan,* [ATC Associates Inc, May 2005].

It is evident from the analytical data that a monitoring well network will be installed in this IA. A preliminary network is depicted on Figure 5-3. It is anticipated that this monitoring well network will be discussed at the 11/10/2005 meeting, including the appropriate number of monitoring wells to be installed, physical location, depth, well diameters, screen intervals, etc. If feasible, several of the monitoring wells will be installed during the next drilling event. These wells would provide data such as groundwater flow direction and gradient, and seasonal influences on groundwater table elevations. It is also anticipated that the groundwater monitoring wells will be sampled quarterly for a minimum period of one year after installation. The wells will be sampled in accordance with SOP No. 9 of the *Requa FUDs Workplan,* [ATC Associates Inc, May 2005] and quarterly monitoring reports will be submitted to the Yurok Tribe. A summary report with recommendations for the site would be submitted after the completion of one year of monitoring.

5.2.7 Investigation Area 7 – FAA Oil/water Separator

IA-7 is composed of a former oil/water separator, which was concreted in place during demolition of Building 98 by the FAA. ATC advanced one boring in the vicinity of the former oil/water separator and one hand auger boring in the vicinity of the outfall to evaluate if contamination related to the separator existed in the subsurface soil at the Site. Based on the analytical data, no additional investigation is warranted at this time.

Soil impacted with diesel range petroleum hydrocarbons, unknown if groundwater impacted on north facing slope, north of wash rack. At this time ATC does not believe that additional deep soil boring will be required in this area. Up to 400 cubic yards of soil could be potentially removed and disposed of from this area

IA-9 consisted of collecting a water sample from one off-site spring box. No other spring boxes were identified on the site or within the locale of the site.

5.2.8 Investigation Area 8 –Wash Rack 4218 East.

IA-8 is composed of the wash rack on the east side of Building 4218.

During the REQUA Wash Rack Study by IT Corporation (IT) in January of 2000, five surface samples were collected in the area of the former wash rack east of Building 4218. The samples collected contained TPH-d, TPH-mo, acetone, and methylene chloride at maximum concentrations of 570 mg/kg 1,100 mg/kg, 28 ug/kg, and 3 ug/kg, respectively. PAHs were also detected including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, Benzo(k)fluoranthene, benzo(ghi)perylene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene at 120 ug/kg, 20 ug/kg, 57 ug/kg, 60 ug/kg, 280 ug/kg, 21 ug/kg, 320 ug/kg, 72 ug/kg, 280 ug/kg, and 180 ug/kg, respectively. The soil samples were collected at a depth of one half-foot bgs.

A total of one hollow stem auger (HSA) soil boring and six hand-augered soil borings were installed in this IA during the May to July 2005 drilling activities.

Soil impacted with TPH-d was found to be limited to the upper five feet. It is unknown if groundwater impacted on north facing slope, north of wash rack. At this time ATC does not believe that additional deep soil boring will be required in this area. Up to 400 cubic yards of soil could be potentially removed and disposed of or undergo ex-situ treatment from this area.

5.2.9 Investigation Area 9 – Groundwater Springs

IA-9 consisted of collecting a water sample from one off-site spring box. No other spring boxes were identified on the site or within the locale of the site.

Attachments

Figure 5-1: Aerial of Access Roads Draft

Figure 5-2: IA2 Additional Soil Boring Map Draft

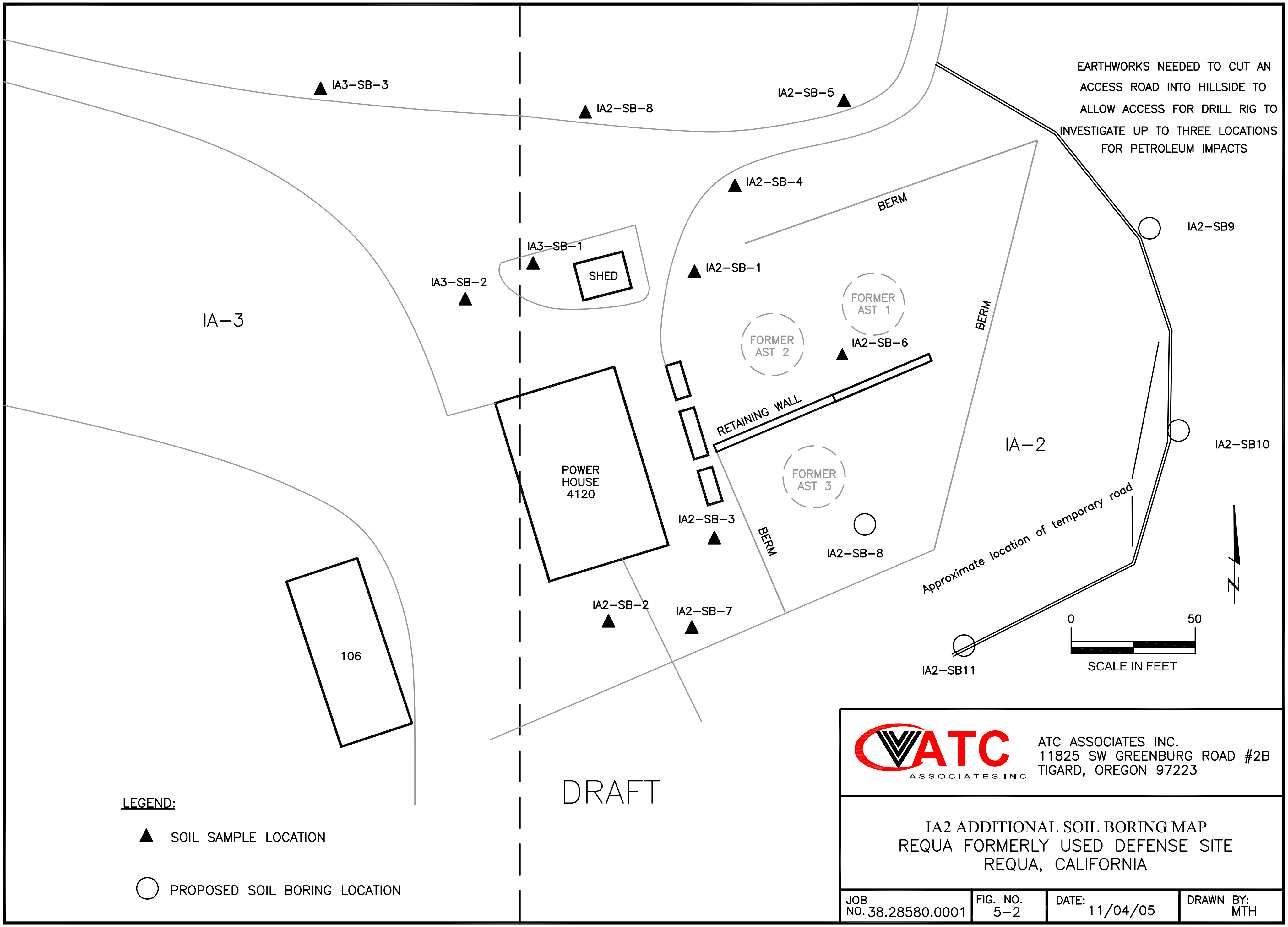
Figure 5-3: IA6 Additional Soil Boring and Preliminary Monitoring Well Installation Map Draft

Table 5-1: Analytical Results of Soil Samples Collected During the Site Investigation Activities (May - July 2005) Draft

Table 5-2: Analytical Results of Groundwater Samples Collected During the Site Investigation Activities (May - July 2005) Draft

Figure 5-1: Aerial of Access Roads DRAFT Source: USGS

DRAFT

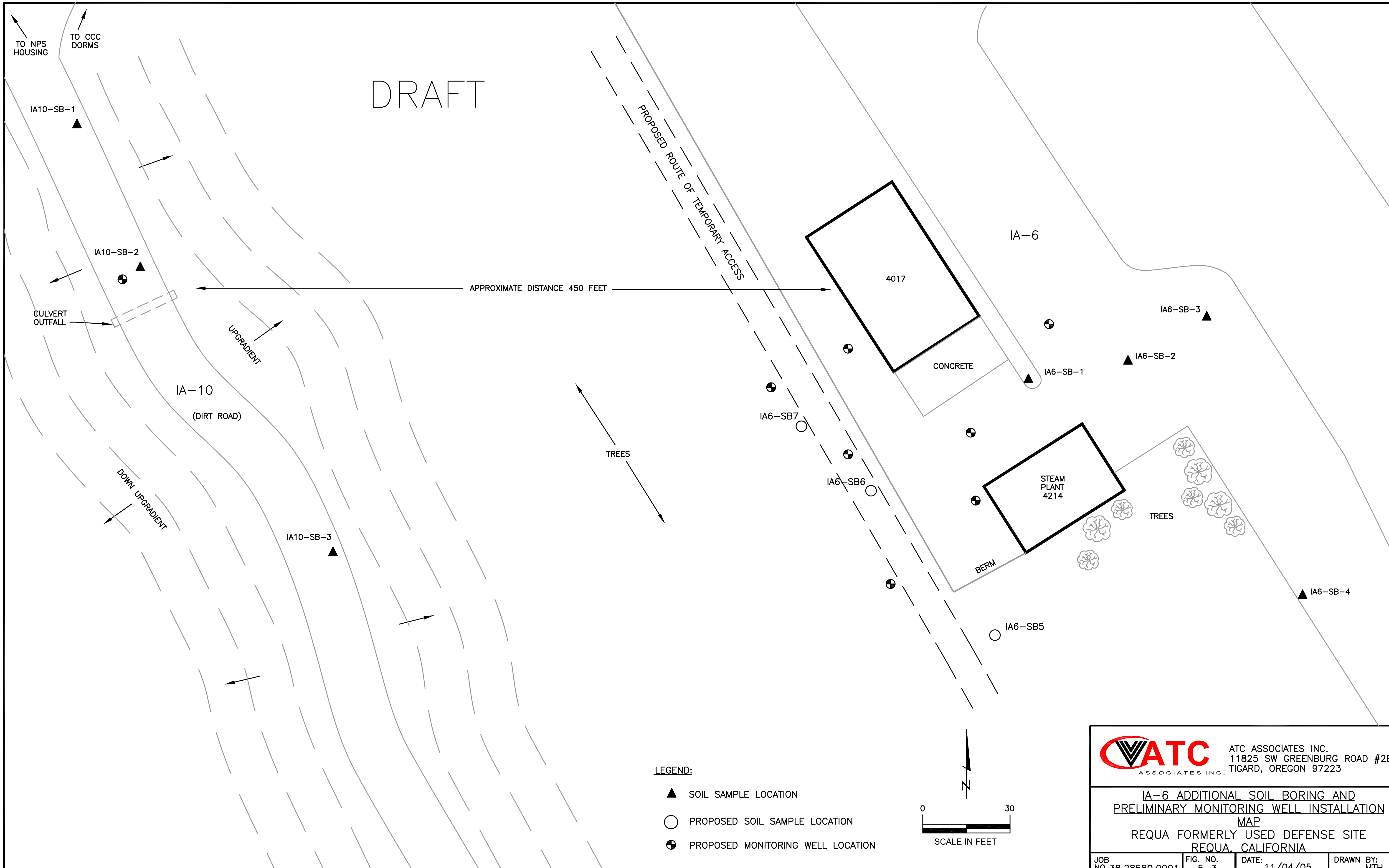


ATC ASSOCIATES INC.

ATC ASSOCIATES INC.
11825 SW GREENBURG ROAD #2B
TIGARD, OREGON 97223

IA2 ADDITIONAL SOIL BORING MAP
REQUA FORMERLY USED DEFENSE SITE
REQUA, CALIFORNIA

JOB NO.	FIG. NO.	DATE:	DRAWN BY:
38.28580.0001	5–2	11/04/05	MTH



LEGEND:

▲ SOIL SAMPLE LOCATION

○ PROPOSED SOIL SAMPLE LOCATION

⊕ PROPOSED MONITORING WELL LOCATION

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ATC ASSOCIATES INC.
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TIGARD, OREGON 97223

IA–6 ADDITIONAL SOIL BORING AND PRELIMINARY MONITORING WELL INSTALLATION MAP
REQUA FORMERLY USED DEFENSE SITE
REQUA, CALIFORNIA

JOB NO.	FIG. NO.	DATE:	DRAWN BY:
38.28580.0001	5–3	11/04/05	MTH

Table 5-1
Analytical Results of Soil Samples Collected During the Site Investigation Activities (May - July 2005)

Requa Formerly Used Defense Site
Requa, California

ATC ASSOCIATES INC.

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BORING ID (Investigation Area Soil Boring)	SAMPLE DATE	SAMPLE COLLECTION DEPTH (Feet)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 8015			EPA SW METHOD 6010	VOLATILE ORGANIC COMPOUNDS EPA METHOD 8260B								VOLATILE ORGANIC COMPOUNDS EPA METHOD 8021B				POLYNUCLEAR AROMATIC HYDROCARBONS EPA METHOD 8270C																EPA METHOD 8082
			Diesel Range Organics	Oil Range Organics	Gasoline Range Organics	Total Lead	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Methyl t-butyl ether	Methylene chloride	2-Butanone	Benzene	Toluene	Ethylbenzene	Total Xylenes	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene	PCB's
		(feet)	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
IA1 SB1 10	5/18/2005	10	<16	<54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA1 SB1 20	5/18/2005	20	<16	<54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA1 SB2 10	5/18/2005	10	<16	<53	8.3	9	<10.7	<10.7	<10.7	<21.4	<10.7	<10.7	<53.4	<21.4	--	--	--	--	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	--
IA1 SB2 35	5/18/2005	35	<16	<54	3.2 UMB	9	<10.8	<10.8	<10.8	<21.5	<10.8	<10.8	<53.8	<21.5	--	--	--	--	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	--
IA1 SB3 15	7/26/2005	15	<16	<53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<7.10	<53.2
IA1 SB3 25	7/26/2005	25	<16	<55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7.27	<7.27	<7.27	8.72	24.7	24.0	50.9	7.27	12.4	<7.27	<7.27	<7.27	28.4	<7.27	<7.27	8.00	<54.5
IA2 SB1 10	5/19/2005	10	<17	<58	<2.9	14	<11.6	<11.6	<11.6	<23.1	<11.6	<11.6	<11.6	<11.6	--	--	--	--	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	<7.71	--
1A2 SB1 20	5/19/2005	20	<17	<56	<2.8	27.1	<11.2	<11.2	<11.2	<22.5	<562	<11.2	124 P	<11.2	--	--	--	--	<7.50	<7.50	<7.50	<7.50	8.25	11.20	<7.50	<7.50	<7.50	<7.50	<7.50	12.70	<7.50	<7.50	11.20	<7.50	--
IA2 SB2 10	5/19/2005	10	<17	<58	<2.9	14.4	<11.6	<11.6	<11.6	<23.3	<11.6	<11.6	<58.2	<11.6	--	--	--	--	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	<7.76	--
IA2 SB2 20	5/19/2005	20	<18	<59	<3.0	4.62	<11.8	<118	<118	<236	<591	<11.8	147 P	<23.6	--	--	--	--	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	--
IA2 SB3 15	5/20/2005	15	<18	<59	<3.0	9.78	<11.8	<11.8	<11.8	<23.6	<11.8	<11.8	<59.1	<23.6	--	--	--	--	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	--
IA2 SB3 20	5/20/2005	20	<18	<59	<2.9	16.60	<11.8	<11.8	<118	<23.5	<11.8	<11.8	<58.8	<23.5	--	--	--	--	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	16.50	<7.88	<7.88	<7.88	<7.88	--
IA2 SB3 25	5/20/2005	25	22	<50	36	9.84	<10.0	<10.0	<10.0	<20.1	<10.0	<10.0	<50.2	<20.1	--	--	--	--	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	<6.69	8.02	<6.69	<6.69	<6.69	<6.69	--
IA2 SB4 10	5/23/2005	10	<18	<59	11	16.80	<11.8	<11.8	<11.8	<23.6	<11.8	<11.8	<59.1	<23.6	--	--	--	--	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	<7.88	--
IA2 SB4 25	5/23/2005	25	<17	<57	<2.8	11.30	<566	<566	<566	<1130	<566	<566	<2830	<1130	--	--	--	--	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	--
IA2 SB5 10	5/24/2005	10	<16	<54	<2.7	<2.11	<10.8	<10.8	<10.8	<21.5	<10.8	<10.8	<53.8	<21.5	--	--	--	--	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	<7.18	--
IA2 SB5 25	5/24/2005	25	<17	<58	7.1 UMB	10.1	<11.6	<11.6	<11.6	<23.2	<11.6	<11.6	<58	<23.2	--	--	--	--	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	<7.74	--
IA2 SB6 5	5/25/2005	5	**640**	<57	25.0	9.9	<11.4	<11.4	<11.4	<22.7	<11.4	<11.4	<56.8	<22.7	--	--	--	--	9.09	<7.74	9.85	<7.58	<7.58	<7.58	<7.58	<7.58	<7.58	<7.58	<7.58	67.40	<7.58	<7.58	242.00	9.09	--
IA2 SB6 5 DUP	5/25/2005	5	**1600**	<57	71.0	7.4	<11.4	<11.4	<11.4	<22.7	<11.4	<11.4	<56.8	<22.7	--	--	--	--	37.90	12.10	25.00	<7.58	<7.58	<7.58	<7.58	<7.58	<7.58	<7.58	11.40	245.00	<7.58	32.60	561.00	22.70	--
IA2 SB6 10	5/25/2005	10	23	<58	7.8 UMB	8.3	--	--	--	--	--	--	--	--	--	--	--	--	<7.70	<7.70	<7.70	<7.70	<7.70	<7.70	<7.70	<7.70	<7.70	<7.70	<7.70	44.60	<7.70	<7.70	121.00	<7.70	--
IA2 SB6 15	5/25/2005	15	**7000**	<57	**430.0**	8.33	--	--	--	--	--	--	--	--	--	--	--	--	87.00	42.00	230.00	25.90	11.40	16.00	<7.63	<7.63	26.70	<7.63	121.00	1360.00	<7.63	211.00	2830.0	190.00	--
IA2 SB6 20	5/25/2005	20	<16	<54	4.1 UMB	11.4	--	--	--	--	--	--	--	--	--	--	--	--	<7.20	<7.20	<7.20	<7.20	<7.20	<7.20	<7.20	<7.20	<7.20	<7.20	<7.20	10.80	<7.20	<7.20	7.92	<7.20	--
IA2 SB6 30	5/25/2005	30	<17	<57	<2.9	12.1	--	--	--	--	--	--	--	--	--	--	--	--	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	<7.65	--
IA2 SB8 (7) 35	7/26/2005	35	<17	<56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	<7.43	--
IA3 SB1 10	5/25/2005	10	<16	<55	<2.7	--	--	--	--	--	--	--	--	--	<27.5	<110	<110	<330	<7.33	<7.33	<7.33	<7.33	<7.33	<7.33	<7.33	<7.33	<7.33	<7.33	<7.33	10.30	<7.33	61.50	8.79	<7.33	--
IA3 SB1 15	5/25/2005	15	**470**	<60	84.0	--	--	--	--	--	--	--	--	--	<29.8	143	213	<357	23.80	27.80	27.00	<7.94	<7.94	<7.94	<7.94	<7.94	<7.94	<7.94	<7.94	201.00	<7.94	45.20	106.00	17.50	--
IA3 SB1 20	5/25/2005	20	<16	<54	<2.7	--	--	--	--	--	--	--	--	--	<27.1	<108	<108	<325	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	<7.22	--
IA3 SB1 30	5/25/2005	30	<17	<55	<2.8	--	--	--	--	--	--	--	--	--	<27.6	<110	<110	<331	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	<7.36	--
IA3 SB2 10	5/25/2005	10	<16	<54	<2.7	--	--	--	--	--	--	--	--	--	<27	<108	<108	<324	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	<7.21	--
IA3 SB2 20	5/25/2005	20	<16	<52	<2.6	--	--	--	--	--	--	--	--	--	<26	<104	<104	<312	<6.93	<6.93	<6.93	<6.93	<6.93	<6.93	12.50	<6.93	<6.93	<6.93	<6.93	9.70	<6.93	<6.93	<6.93	<6.93	--
IA3 SB3 10	7/26/2005	10	<20	<66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	<8.83	--
IA3 SB3 25	7/26/2005	25	<16	<54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7.26	<7.26	<7.26	<7.26	<7.26	<7.26	15.2	<7.26	<7.26	<7.26	<7.26	8.71	<7.26	<7.26	<7.26	<7.26	--
IA4 SB1 10	6/7/2005	10	<16	<53	<2.6	--	--	--	--	--	--	--	--	--	<26.5	<106	<106	<318	<7.07	<7.07	<7.07	<7.07	<7.07	<7.07	21.20	<7.07	<7.07	<7.07	<7.07	16.20	<7.07	<7.07	8.47	<7.07	--
IA4 SB1 25	6/7/2005	25	<15	<51	<2.5	--	--	--	--	--	--	--	--	--	<25.6	<102	<102	<306	<6.80	<6.80	<6.80	<6.80	<6.80	<6.80	10.90	<6.80	<6.80	<6.80	<6.80	8.15	<6.80	<6.80	<6.80	<6.80	--
IA4 SB2 10	6/8/2005	10	<19	<64	<3.2	--	--	--	--	--	--	--	--	--	<32.2	<129	<129	<387	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6	--
IA4 SB2 45	6/8/2005	45	<16	<53	<2.7	--	--	--	--	--	--	--	--	--	<26.7	<107	<107	<321	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	<7.13	--
IA4 SB3 10	6/8/2005	10	<18	<61	<3.1	--	--	--	--	--	--	--	--	--	<30.7	<12.3	<12.3	<369	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	--
IA4 SB3 35	6/8/2005	35	<17	<57	<2.8	--	--	--	--	--	--	--	--	--	<28.4	<114	<114	<341	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	--
IA5 SB1 10	5/26/2005	10	<21	<68	<3.4	--	--	--	--	--	--	--	--	--	<34.2	<137	<137	<410	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	<9.12	--
IA5 SB1 15	5/26/2005	15	**150**	<56	4.7	--	--	--	--	--	--	--	--	--	<28	<112	<112	<336	<7.46	<7.46	<7.46	<7.46	<7.46	<7.46	<7.46	<7.46	<7.46	<7.46	<7.46	10.40	<7.46	58.20	9.69	<7.46	--
IA5 SB1 20	5/26/2005	20	**1800**	<52	71.0	--	--	--	--	--	--	--	--	--	<26	207	362	**1680**	83.9	36.0	57.5	<6.93	<6.93	8.32	9.70	<6.93	7.62	<6.93	19.4	383.0	<6.93	349.0	448.0	45.0	--
IA5 SB1 25	5/26/2005	25	<16	<53	11.0	--	--	--	--	--	--	--	--	--	<26.5	<108	<108	<318	<7.08	<7.08	<7.08	<7.08	<7.08	<7.08	<7.08	<7.08	<7.08	<7.08	<7.08	7.78	<7.08	<7.08	<7.08	<7.08	--
IA5 SB1 30	5/26/2005	30	<16	<54	5.9	--	--	--	--	--	--	--	--	--	<27.2	<109	<109	<327	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	<7.27	--
IA5 SB2 15	7/26/2005	15	<18	<60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	--
IA5 SB2 25	7/26/2005	25	<17	<56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	--
IA5 SB3 20	7/28/2005	20	<17	<57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	<7.55	--
IA5 SB3 35	7/28/2005	35	<16	<55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7.29	<7.29	<7.29	<7.29	<7.29	<7.29	9.47	<7.29	<7.29	<7.29	<7.29	<7.29	<7.29	<7.29	<7.29	<7.29	--
IA5 SB3 35 DUP	7/28/2005	35	<16	<55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<7.28	<7.28	<7.28	<7.28	<7.28	<7.28	10.9	<7.28	<7.28	<7.28	<7.28	8.01	<7.28	<7.28	<7.28	<7.28	--
IA6 SB2 5	6/7/2005	5	22	<59	<3.0	--	--	--	--	--	--	--	--	--	<29.7	<119	<119	<358	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	<7.91	--
IA6 SB2 10	6/7/2005	10	**730**	<64	**110.0**	--	--	--	--	--	--	--	--	--	<32	<128	<128	<384	10.20	<8.54	22.20	<8.54	<8.54	<8.54	<8.54	<8.54	<8.54	<8.54	<8.54	224.00	<8.54	19.60	25.60	19.60	--
IA6 SB2 15	6/7/2005	15	**1900**	<61	78.0	--	--	--	--	--	--	--	--	--	<30.3	<121	<121	401	8.89	<8.08	18.60	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	197.00	<8.08	19.40	221.00	17.80	--
IA6 SB2 20	6/7/2005	20	**310**	<61	48.0	--	--	--	--	--	--	--	--	--	<30.6	<122	192	<367	20.40	<8.15	12.20	<8.15	<8.15	<8.15	<8.15	<8.15	<8.15	<8.15	<8.15	139.00	<8.15	14.70	312.00	15.50	--
IA6 SB2 25	6/7/2005	25	**210**	<58	**110.0**	--	--	--	--	--	--	--	--	--	<29.2	<117	264	650	19.5	10.9	10.1	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	<7.8	120.0	<7.8	104.0	206.0	9.36	--
IA6 SB3 5	6/7/2005	5	31	<61	12.0 A	--	--	--	--	--	--	--	--	--	<30.7	<123	176	<369	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	<8.19	--
IA6 SB3 10	6/7/2005	10	<17	<57	65 A	--	--	--	--	--	--	--	--	--	<28.6	<114	<114	<343	<7.62	<7.62	<7.62	<7.62	<7.62	<7.62	<7.62	<7.62	<7.62	<7.62	<7.62	37.30	<7.62	<7.62	59.40	<7.62	--
IA6 SB3 20	6/7/2005	20	<15	<50	20 A	--	--	--	--	--	--	--	--	--	<25.1	<100	<100	<301	<6.68	<6.68	<6.68	<6.68	<6.68	<6.68	12.70	<6.68	<6.68	<6.68	<6.68	11.40	<6.68	<6.68	<6.68	<6.68	--
IA6 SB3 25	6/7/2005	25	<15	<51	<2.6	--	--	--	--	--	--	--	--	--	<25.7	<103	<103	<309	<6.87	<6.87	<6.87	<6.87	<6.87	<6.87	22.00	<6.87	<6.87	<6.87	<6.87	12.40	<6.87	<6.87	<6.87	<6.87	--
IA6 SB3 30	6/7/2005	30	<17	<57	<2.9	--	--	--	--	--	--	--	--	--	<28.4	<114	<114	<341	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	--
IA6 SB4 10	7/28/2005	10	<18	<61	<3.1	--	--	--	--	--	--	--	--	--	<30.6	<123	<123	<368	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	<8.17	--
IA6 SB4 40	7/28/2005	40	<17	<55	<3.1	--	--	--	--	--	--	--	--	--	<27.5	<110	<110	<330	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	11.7	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	--
IA10 SB1 10	6/9/2005	10	<16	<53	<2.6	--	--	--	--	--	--	--	--	--	<26.6	<106	<106	<319	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	<7.05	--
IA10 SB1 40	6/9/2005	40	<18	<60	<3.0	--	--	--	--	--	--	--	--	--	<30.1	<120	<120	<361	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	<8.00	--
IA10 SB1 45	6/9/2005	45	<16	<52	<2.6	--	--	--	--	--	--	--	--	--	<26.1	<105	<105	<314	<6.97	<6.97	<6.97	<6.97	<6.97	<6.97	12.50	<6.97	<6.97	<6.97	<6.97	9.75	<6.97	<6.97	<6.97	<6.97	--
IA10 SB2 10	6/9/2005	10	<18	<59	<3.0	--	--	--	--	--	--	--	--	--	<29.9	<119	<119	<358	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	<7.92	--
IA10 SB2 35	6/9/2005	35	<16	<54	<2.7	--	--	--	--	--	--	--	--	--	<27.3	<109	<109	<327	<7.25	<7.25	<7.25	<7.25	<7.25	<7.25	12.30	<7.25	<7.25	<7.25	<7.25	<7.25	<7.25	<7.25	<7.25	<7.25	--
IA10 SB2 40	6/9/2005	40	<17	<55	<2.8	--	--	--	--	--	--	--	--	--	<27.6	<110	<110	<331	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	<7.35	--
IA10 SB3 10	7/29/2005	10	<17	<56	<2.8	--	--	--	--	--	--	--	--	--	<28.1	<112	<112	<337	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	<7.50	
IA10 SB3 20	7/29/2005	20	<17	<57	<2.8	--	--	--	--	--	--	--	--	--	<28.4	<114	<114	<341	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	<7.59	
IA7 SB1 10	5/24/2005	10	<20	<67	<3.3	6.62	<13.4	<13.4	<13.4	<26.7	<13.4	<13.4	<66.8	<26.7	--	--	--	--	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	--
IA7 SB1 30	5/24/2005	30	<18	<61	<3.0	2.75 UPB	<12.1	<12.1	<12.1	<24.2	<12.1	<12.1	<60.6	<24.2	--	--	--	--	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	<8.08	--
IA7 HA1 6"	7/29/2005	0.5	**930**	**810**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<58.8
IA7 HA1 3	7/29/2005	3	47 A1	**100 A2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<8.30	<8.30	<8.30	<8.30	<8.30	<8.30	<8.30	<8.30	<8.30	<8.30	23.2	<8.30	<8.30	<8.30	<8.30	12.4	<62.2
IA7 HA1 5	7/29/2005	5	<19	<62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<8.25	<61.9
IA8 SB1 10	6/8/2005	10	<17	<55	<2.8	7.95	<11.0	<11.0	<11.0	<22	<11.0	<11.0	<55	<26.7	--	--	--	--	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	<7.34	--
IA8 SB1 25	6/8/2005	25	<17	<57	<2.8	12.40	<114	<569	<569	<1140	<569	<114	<569	<228	--	--	--	--	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	<7.60	--
IA8 HA1 6"	6/8/2005	0.5	<950 A3	**20000**	<3.2	**6870.0**	<12.7	<12.7	<12.7	<25.4	<12.7	<12.7	<63.5	<25.4	--	--	--	--	<42.1 Q	147.0	147.0	227.0	**172.0**	**500.0**	1260.0	168.0	391.0	**113.0**	1110.0	<42.1 Q	244.0	75.7	483.0	1120.0	--
IA8 HA1 4	6/8/2005	4	<21 A3	**990**	<3.4	143.0	<13.9	<13.9	<13.9	<27.8	<13.9	<13.9	<69.4	<27.8	--	--	--	--	<9.16	<9.16	<9.16	<9.16	<9.16	18.3	74.2	<9.16	12.8	<9.16	17.4	<9.16	14.7	18.3	12.8	32.1	--
IA8 HA2 6"	6/8/2005	0.5	<17 A3	**800**	<2.9	**194.0**	<11.7	<11.7	<11.7	<23.4	<11.7	<11.7	<58.4	<23.4	--	--	--	--	40.3	95.3	157.0	250.0	**181.0**	**578.0**	122.0	212.0	671.0	40.3	2700.0	48.1	86.0	13.2	1080.0	2570.0	--
IA8 HA2 4	6/8/2005	4	<19	<64	<3.2	12.8	<12.9	<12.9	<12.9	<25.8	<12.9	<12.9	<64.5	<25.8	--	--	--	--	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	<8.53	--
IA8 HA3 6"	7/28/2005	0.5	**5200 A1, K**	**22000**	--	**434.0**	<13.7	<137 Q	<137 Q	<274 Q	<137 Q	<13.7	<68.5	<27.4	--	--	--	--	<45.7	<45.7	50.2	155	<45.7	59.4	817.0	<45.7	<45.7	91.3	77.6	<45.7	174	59.4	<45.7	77.6	
IA8 HA3 3	7/28/2005	3	**19000 A1**	**43000**	--	**278.0**	<168 Q	<168 Q	<168 Q	<336 Q	<168 Q	<168 Q	<840 Q	<336 Q	--	--	--	--	<22.4	430	148	240	**190**	262	385	91.9	240	42.6	204	108	65.0	164	199	845	
IA8 HA3 5	7/28/2005	5	**140 A1**	**630 A2**	--	6.67	<15.4	<15.4	<15.4	<30.8	<15.4	<15.4	<76.9	<30.8	--	--	--	--	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	<10.3	
IA8 HA3 7	7/28/2005	7	**120 A1**	**290 A2**	--	23.9	<11.1	<11.1	<11.1	<22.3	<15.4	<15.4	<55.7	<22.3	--	--	--	--	<7.44	<7.44	<7.44	<7.44	<7.44	<7.44	13.4	<7.44	<7.44	<7.44	<7.44	<7.44	<7.44	<7.44	<7.44	<7.44	
IA8 HA4 6"	7/28/2005	0.5	<410 A3	**9600**	--	**329.0**	<13.7	<13.7	<13.7	<27.5	<68.7 Q	<13.7	<68.7	<27.5	--	--	--	--	<18.3	<18.3	23.8	29.3	22.0	121	857	29.3	23.8	60.4	23.8	<18.3	179	29.3	20.1	33.0	
IA8 HA4 3	7/28/2005	3	<22	<73	--	6.06	<14.7	<14.7	<14.7	<29.3	<14.7	<14.7	<73.3	<29.3	--	--	--	--	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	
IA8 HA4 3 DUP	7/28/2005	3	<20	<67	--	9.43	<13.4	<13.4	<13.4	<26.7	<13.4	<13.4	<66.8	<26.7	--	--	--	--	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	<8.92	
IA8 HA4 5	7/28/2005	5	<19	<65	--	10.3	<13.0	<13.0	<13.0	<25.9	<13.0	<13.0	<64.9	<25.9	--	--	--	--	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	<8.65	
IA8 HA5 6"	7/29/2005	0.5	<21	92 A2	--	10.2	<13.9	<13.9	<13.9	<27.7	<13.9	<13.9	<69.3	<27.7	--	--	--	--	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	<9.24	
IA8 HA5 3	7/29/2005	3	<21	**190 A2**	--	7.98	<14.3	<14.3	<14.3	<28.6	<14.3	<14.3	<71.5	<28.6	--	--	--	--	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	<9.54	
IA8 HA5 5	7/29/2005	5	<22 A3	**270 A2**	--	15.4	<14.7	<14.7	<14.7	<29.3	<14.7	<14.7	<73.3	<29.3	--	--	--	--	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	<9.78	
IA8 HA6 6"	7/29/2005	0.5	44 A1	**230**	--	42.2	<11.6	<11.6	<11.6	<23.1	<11.6	<11.6	<57.8	<23.1	--	--	--	--	<15.4	<15.4	<15.4	<15.4	<15.4	<15.4	<15.4	<15.4	<15.4	<15.4	17.0	<15.4	<15.4	<15.4	<15.4	17.0	
IA8 HA6 3	7/29/2005	3	<170	**3100**	--	**390**	<11.2	<11.2	<11.2	<22.3	<11.2	<11.2	<55.9	<22.3	--	--	--	--	<14.9	<14.9	<14.9	<14.9	<14.9	<14.9	73.0	<14.9	<14.9	<14.9	16.4	<14.9	16.4	67.0	19.4	20.9	
***Screening Level for Soil**			100	100	100	150.0	30	2600	2500	1000	4200	23	77	3900	30	2600	2500	1000	16000	13000	2800	380	38	380	27000	380	3800	110	40000	8900	380	4200	11000	85000	

* = Lowest constituent concentration using either Risk-Based Screening Levels for Soil or PRG's in Residential soil
ug/kg = micrograms per kilogram and is equivalent to parts per billion (ppb)
mg/kg = milligrams per kilogram and is equivalent to parts per million (ppm)
34 P = indicates detected concentration and associates laboratory qualifier or flag
<25.3 = Constituent concentration not present at the detection limits stated on the certified analytical reports
NA = Not applicable
-- = Not analyzed

DRAFT

Table 5-2
Analytical Results of Groundwater Samples Collected During the Site Investigation Activities (May - July 2005)

Requa Formerly Used Defense Site
Requa, California

BORING ID	SAMPLE DATE	SAMPLE COLLECTION DEPTH (Feet)	TOTAL PETROLEUM HYDROCARBONS EPA METHOD 8015			EPA SW METHOD 6020	VOLATILE ORGANIC COMPOUND EPA METHOD 8260B									VOLATILE ORGANIC COMPOUNDS EPA METHOD 8021B				POLYNUCLEAR AROMATIC HYDROCARBONS EPA METHOD 8270C																EPA METHOD 8082
			Diesel Range Organics	Oil Range Organics	Gasoline Range Organics	Dissolved Lead	Benzene	Toluene	Ethylbenzene	Xylenes	Naphthalene	Methyl t-butyl ether	Methylene chloride	Chloroform	2-Butanone	Benzene	Toluene	Ethylbenzene	Total Xylenes	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Naphthalene	Phenanthrene	Pyrene	PCB's
		(feet)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
IA1 SB1	5/18/2005	20	**320**	**1500**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA1 SB3	7/26/2005	28	<360	<720	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.0562	<0.108
IA2 SB1	5/19/2005	19	<270	<550	<100	<0.10	<0.3	<1	<1	<2	<1	<1	<20	<1	11.6	--	--	--	--	<0.0618	<0.0618	<0.0618	<0.0618	<0.0618	<0.0618	0.0618	<0.0618	<0.0618	<0.0618	<0.0618	<0.0618	<0.0618	<0.0618	1.63	<0.0618	--
IA2 SB3	5/20/2005	22	**540**	<510	**670**	--	<0.3	<1	<1	<2	<1	<1	<20	<1	<10	--	--	--	--	<.0496	<.0496	<.0496	<.0496	<.0496	<.0496	<.0496	<.0496	<.0496	<.0496	<.0496	0.47	<.0496	**0.675**	0.0595	<.0496	--
IA2 SB4	5/24/2005	19	<340	<690	<100	0.296	<0.3	<1	<1	<2	<1	<1	<20	<1	<1	--	--	--	--	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.82**	0.05	<0.05	--
IA2 SB6	5/25/2005	28	**7300.0**	<510	**160.0**	0.232	<0.3	<1	<1	<2	<1	<1	<20	<1	<10	--	--	--	--	0.460	0.210	0.550	<0.05	<0.05	<0.05	<0.05	<0.05	0.050	<0.05	0.150	3.820	<0.05	**0.660**	**7.210**	0.62	--
IA2 SB6 D	5/25/2005		**2600.0**	<530	**140.0**	0.107	<0.3	<1	<1	<2	<1	<1	<20	<1	<10	--	--	--	--	0.370	0.160	0.400	<0.05	<0.05	<0.05	0.050	<0.05	<0.05	<0.05	0.130	3.060	<0.05	**0.600**	**5.590**	0.49	--
IA2 SB8 (7)	7/26/2005	35	<270	<550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	0.065	<0.0542	<0.0542	<0.0542	0.065	0.065	--
IA3 SB1	5/25/2005	22	<280	<560	<100	--	--	--	--	--	--	--	--	--	--	<0.4	<0.5	<0.5	<1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	--
IA3 SB3	7/26/2005	26	<260	<530	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	<0.0521	--
IA4 SB1	6/7/2005	20	<280	<560	<100	--	--	--	--	--	--	--	--	--	--	<0.4	<0.5	<0.5	<1.5	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	<0.0507	--
IA4 SB3	6/8/2005	36	<350	<700	<100	--	--	--	--	--	--	--	--	--	--	<0.4	<0.5	<0.5	<1.5	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	<0.0542	--
IA4 SB3 R	6/8/2005		<240	<480	<100	--	--	--	--	--	--	--	--	--	--	<0.4	<0.5	<0.5	<1.5	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	<0.0481	--
IA5 SB1	5/26/2005	27	**380**	<550	<100	--	<0.3	<1	<1	<2	<1	<1	<20	<1	<10	<0.4	<0.5	<0.5	<1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.10**	<0.05	<0.05	<0.05	<0.05	0.21	<0.05	**0.16**	0.19	0.06	--
IA5 SB1 R	5/26/2005	NA	<250	<490	<100	--	<0.3	<1	<1	<2	<1	<1	<20	6.36	<10	<0.4	<0.5	<0.5	<1.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	--
IA5 SB2	7/26/2005	27	<270	<530	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	<0.0509	--
IA5 SB3	7/26/2005	25	**270**	<520	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0561	<0.0651	<0.0651	<0.0651	<0.0651	<0.0651	<0.0651	<0.0651	<0.0651	<0.0651	<0.0651	<0.0651	<0.0651	**0.067**	<0.0651	<0.0651	--
IA5 SB3D	7/26/2005	NA	**400 A1, F**	**900 A2,F**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	<0.0654	--
IA6 SB2	6/7/2005	24	**160000**	<2500	**7000.0**	--	--	--	--	--	--	--	--	--	--	**1.04**	1.00	1.38	6.77	9.16	3.72	**5.18**	**0.283**	<0.0616	**0.111**	**0.172**	<0.0616	**0.32**	<0.0616	2.46	**19.3**	<0.0616	**10.6**	**83.0**	**2.62**	--
IA6 SB2 D	6/7/2005		**120000**	<780	**2100.0**	--	--	--	--	--	--	--	--	--	--	**2.23**	7.42	21.70	**64.70**	5.63	2.35	**5.59**	**0.117**	<0.0489	**0.0587**	0.0587	<0.0489	0.245	<0.0489	1.72	**28.4**	<0.0489	**8.66**	**58.8**	**3.36**	--
IA6 SB3	6/7/2005	25	<260	<520	<100	--	--	--	--	--	--	--	--	--	--	<0.4	<0.5	<0.5	<1.5	<0.0666	<0.0666	<0.0666	<0.0666	<0.0666	<0.0666	**0.107**	<0.0666	<0.0666	<0.0666	<0.0666	<0.0666	<0.0666	<0.0666	<0.0666	<0.0666	--
IA6 SB4	7/28/2005	35	<280	**760**	<100	--	--	--	--	--	--	--	--	--	--	<0.4	<0.5	<0.5	<1.5	<0.0556	<0.0556	<0.0556	<0.0556	<0.0556	<0.0556	<0.0556	**0.200**	<0.0556	<0.0556	<0.0556	0.089	<0.0556	<0.0556	<0.0556	<0.0556	--
IA6 SB4 R	7/28/2005		<270	<540	<100	--	--	--	--	--	--	--	--	--	--	<0.4	0.640	<0.5	<1.5	<0.0523	<0.0523	<0.0523	<0.0523	<0.0523	<0.0523	<0.0523	<0.0523	<0.0523	<0.0523	<0.0523	<0.0523	<0.0523	**0.094**	<0.0523	<0.0523	--
IA10 SB1	6/9/2005	45	<330	<650	<100	--	--	--	--	--	--	--	--	--	--	<0.4	<0.5	<0.5	<1.5	<0.0552	<0.0552	<0.0552	<0.0552	<0.0552	**0.185**	**0.695**	<0.0552	<0.0552	**0.0662**	<0.0552	0.298	<0.0552	**0.0662**	0.221	0.188	--
IA10 SB2	6/9/2005	36	<250	<500	<100	--	--	--	--	--	--	--	--	--	--	<0.4	<0.5	<0.5	<1.5	<0.1	<0.1	<0.1	<0.1	<0.1	**0.42**	**1.34**	<0.1	<0.1	**0.12**	<0.1	0.32	0.10	**0.14**	0.40	0.32	--
IA10 SB3	7/29/2005	11	<260	<520	<100	--	--	--	--	--	--	--	--	--	--	<0.4	<0.5	<0.5	<1.5	<0.0529	<0.0529	<0.0529	<0.0529	<0.0529	<0.0529	0.0741	<0.0529	<0.0529	<0.0529	<0.0529	<0.0529	<0.0529	<0.0529	<0.0529	<0.0529	
IA8 SB1	6/8/2005	19	<280	<570	<100	<0.02	<0.3	<1	<1	<2	<1	<1	<20	<1	<10	--	--	--	--	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	<0.0578	--
IA9 S1	6/9/2005	NA	<300	<600	<100	<0.02	<0.3	<1	<1	<2	<1	<1	<20	<1	<10	--	--	--	--	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	<0.0478	--
TB-1	5/20/2005		--	--	--	--	<0.3	<1	<1	<2	<1	<1	<20	5.22	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA99-QC1-001	5/25/2005		--	--	--	--	<0.3	<1	<1	<2	<1	<1	<20	7.30	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA99-QC8-001	6/8/2005		--	--	--	--	<0.3	<1	<1	<2	<1	<1	<20	6.22	11.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA99-QC8-002	6/6/2005		--	--	--	--	<0.3	<1	<1	<2	<1	<1	<20	<1	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA99-QC9-001	7/29/2005		--	--	--	--	**1.68**	**127**	10.2	**24.41**	<1	<1	<20	6.21	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IA99-QC9-002	7/22/2005		--	--	--	--	<0.3	<1	<1	<2	<1	<1	<20	<1	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
***Screening Level for GW**			100	100	100	3.2	1	40	30	13	21	5	5	10	4200	1	40	30	13	20	30	0.73	0.027	0.014	0.029	0.100	0.029	0.290	0.0085	8	3.9	0.380	0.029	4.6	2	6.4E-05

* = Lowest constituent concentration using either Risk-Based Screening Level for GW, MCL for drinking water, or Yurok Tribe Water Quality Standard
ug/l = micrograms per liter and is equivalent to parts per billion (ppb)
mg/l = milligrams per liter and is equivalent to parts per million (ppm)
34 P = indicates detected concentration and associates laboratory qualifier or flag
<25.3 = Constituent concentration not present at the detection limits stated on the certified analytical reports
NA = Not applicable
-- = Not analyzed