

Date 11/1/04
 Driller Air Rotary
 Drilling Method ARCH
 Sampler Continuous Core
 Hammer Weight NA Drop NA
 Logged by Datum
 Surface Elevation 447.41 Hole Dia. 6.5 in.
 Northing 505242.604 Easting 1237538.007

Well Construction Details

Top of PVC Casing
 Elev. **449.22 ft.**

GROUND SURFACE

6.5" DIA. BOREHOLE: 0 to 40.5 ft.

2" DIA. SCHED. 40 PVC CASING: +1.9 to 40 ft.

BENTONITE-CEMENT SEAL: 0 to 19 ft.

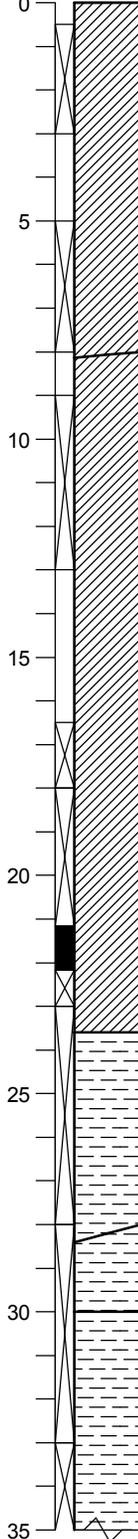
BENTONITE-PELLET SEAL: 19 to 22 ft.

Medium Aquarium SANDPACK: 22 to 25 ft.

2 in DIA. SLOTTED CASING (0.040"): 25 to 40 ft.

Recovery (inches)
 PID Reading (ppm)

Depth (ft.)
 Sample



Brown to Dark Grayish Brown Lean Clay with Sand (CL) (10YR 4/3 to 10YR 4/2) Soft to hard, moist to dry, 80% clay, 15% sand, 5% fine gravel (Fill)

@ 7 ft.: Dry, hard

Very Dark Grayish Brown Sandy Lean Clay (CL) (10YR 3/2) Hard, dry, 60% clay, 40% sand, trace gravel, iron oxide void space in-filling (Fill)

@ 16.5 ft.: Change to Very Dark Gray (5Y 3/1), stained appearance possible pond bottom material, no odor

@ 21.2 - 22.2 ft.: Chloride diffusion sample collected

Olive Brown Weathered Mudstone (2.5Y 4/3), Moderately consolidated, shaley to platy bedding, intensely fractured to crushed, low hardness, weak, deeply weathered, iron oxide and gypsum @ 25 ft.: Liesegang banding

@ 28 ft.: Dark Gray weathered to unweathered Transition Zone

Dark Gray Mudstone (5Y 4/1), Moderately consolidated, massive, low hardness, weak to moderately strong, little to no weathering; two subhorizontal fractures with iron oxide at 31 and 32 ft.

BORING_WELL2_CASMALIA.RIFSGPJ_GEOLOGDT_12/13/10

Well Construction Details and Log of Boring RIPZ-18

PLATE

Final Remedial Investigation Report
 Casmalia Resources Superfund Site
 Casmalia, California

E9-29

DRAWN	JOB NUMBER	CHECKED	CHK'D DATE	APPROVED	APPR'D DATE
CN	4088097619	WJF	1/11	WBC	1/11

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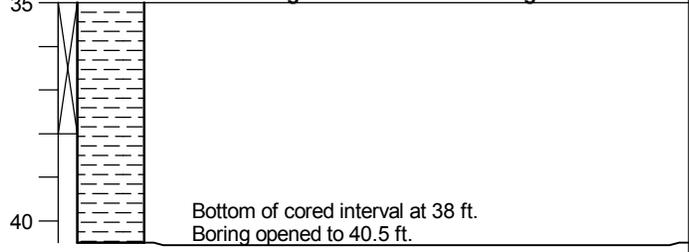
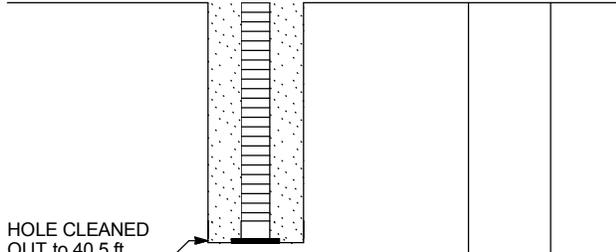
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