

July 12, 2002

Mr. Scott Seery, CHMM
Hazardous Material Specialist
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Way Parkway, 2nd Floor
Alameda, CA 94502

JUL 17 2002

Subject: Status of Free Product Removal from Monitoring Well SOMA-4 and Our Recommendation for Better Delineation of the Free Products Extent at the Former Glovatorium Site, 3815 Broadway Oakland, California

Dear Scott:

On June 11, 2002, SOMA installed a Durham Geo-Enterprise Model TR-254 passive skimmer in SOMA-4 at the subject site and commenced free product removal on a weekly basis. SOMA's field crew also used a bailer to remove any measurable free product, from the well, after disposing of the free product in the canister. The volume of removed free product is tabulated in Table 1. As Table 1 shows a total of 5.25 gallons of free product has been removed since installation of the skimmer. It also shows that the volume of collected product is decreasing significantly. Therefore, in future visits if we find that the weekly interval is not sufficient to fill volume of the skimmer, we will conduct product removal on a bi-weekly basis.

In addition, on July 5, 2002, SOMA measured free product thickness in SOMA-4 and nearby shallow wells B-2, B-3, B-9, and B-8. Table 2 shows that data and from April 2002 measurements. The data show the product thickness is increasing. For instance, product thickness in B-3 and B-8 at the end of April 2002 were 0.15 and 0.10 feet, respectively. Currently, the product thickness inside B-3 and B-8 are 0.75 and 0.27 feet, respectively. The increase in product thickness could be attributed to the on set of dry the season and a decline in the groundwater elevations.

As you are aware in April 2002, due to high groundwater elevations the extent of free product could not be delineated. Presently, due to the decline in groundwater elevations, the free product thickness and its extent can be easily delineated using hydropunches. The attached Figure-1 shows the proposed locations of new hydropunches, HP-11 through HP-16. During the previous investigation no hydropunches were placed south of SOMA-4, which contains a

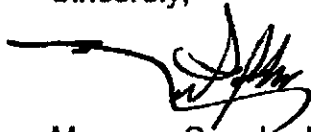
Mr. Scott Seery, CHMM
Alameda County
Date May 16, 2002
Page 2 of 2

significant amount of free product. In conducting the proposed investigation more hydropunches will be placed to the south and in the vicinity of other locations where free product has been detected.

Upon delineation of the extent of the free product the need for installing additional product removal skimmers will be evaluated. We believe that this process will adequately address the free product delineation and removal at the site. Once the free product issue is resolved, SOMA will conduct groundwater modeling and risk based corrective action (RBCA) in order to define the site's regulatory status as discussed in our approved workplan.

Upon review of this proposed workplan, please call me at (925) 244-6600, or Dr. Bruce Page at (510) 526 4650 with your questions and comments.

Sincerely,



Mansour Sepehr, Ph.D., P.E.
Principal Hydrogeologist

cc: Dr. Bruce Page
Mr. Stuart Depper
Albert Cohen, Esq.

**Table-1. Free Product Removal from Monitoring Well SOMA-4
at the Glovatorium Site, 3815 Broadway, Oakland California**

Date	Volume gal	Remarks
6/11/02	-	Skimmer was installed in SOMA-4
6/13/02	2	Skimmer was full, also used bailer
6/20/02	1.5	Skimmer was full, also used bailer
6/28/02	1	Skimmer was full, also used bailer
7/3/02	0.75	Skimmer was full, also used bailer

**Table 2: Free Product Thickness Measurements at
Former Glovatorium Site, 3815 Broadway
Oakland, California**

Date	Well	Depth to F.P. ft	Depth To Water ft	Thickness of F.P. ft
4/4/02	HP1		8.14	0.00
	HP2	8.09	8.10	0.01
	HP5	8.80	9.50	0.70
	HP8	9.33	9.34	0.01
	HP9		7.50	0.00
Date	Well	Depth to F.P. ft	Depth To Water ft	Thickness of F.P. ft
4/10/02	SOMA 4	9.58	12.45	2.87
	B8	8.09	8.22	0.13
	B9	-	8.00	0.00
	B3	7.15	7.27	0.12
	B2	-	7.95	0.00
	HP1	-	8.56	0.00
	HP2	-	8.36	0.00
	HP5	9.25	10.28	1.03
	HP8	9.77	9.80	0.03
	HP9	-	8.15	0.00
Date	Well	Depth to F.P. ft	Depth To Water ft	Thickness of F.P. ft
4/29/02	SOMA 4	9.80	13.00	3.20
	B8	8.45	8.55	0.10
	B9	-	8.30	0.00
	B3	7.42	7.57	0.15
	B2	-	7.40	0.00
	HP1	-	8.40	0.00
	HP2	-	8.80	0.00
	HP5	8.45	9.70	1.25
	HP8	-	10.15	0.00
	HP9	-	8.60	0.00
Date	Well	Depth to F.P. ft	Depth To Water ft	Thickness of F.P. ft
7/5/02	SOMA 4*	11.55	11.80	0.25
	B8	9.0	9.27	0.27
	B9	-	8.6	0.0
	B3	7.91	8.66	0.75
	B2	-	7.9	0.0

* From June 11, 2002 a passive skimmer has been collecting free product from this well

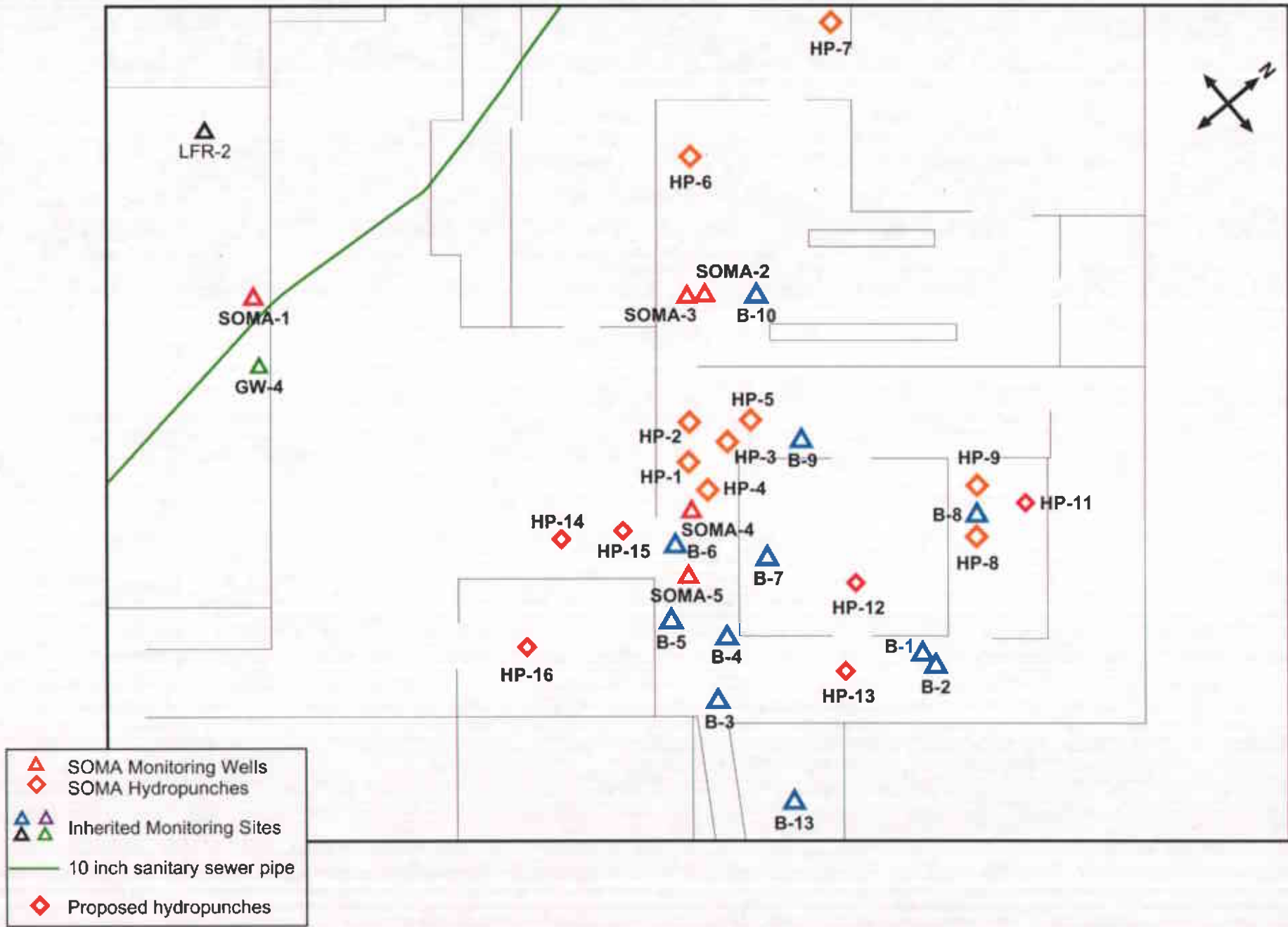


Figure 1: Location of proposed hydropunches, SOMA monitoring wells, SOMA hydropunches, and inherited monitoring locations within the former Glovatorium building.

approximate scale in feet

