

N60201.AR.000207
NS MAYPORT
5090.3a

MEMORANDUM REGARDING REVISED SUMP LOCATIONS AT SOLID WASTE
MANAGEMENT UNITS 6 AND 7 NS MAYPORT FL
4/10/1995
ABB ENVIRONMENTAL SERVICES

Naval Station **MAYPORT**



PROJECT TEAM
MEMORANDUM

DATE: April 10, 1995
TO: David Driggers, SouthDiv
INFO: Steve Santamaria, Bechtel
Jay Bassett, EPA
Jim Cason, FDEP
Cheryl Mitchell, Mayport
Srin Kuchibotla, ABB-ES
FROM: Peggy Layne, ABB-ES
Frank Lesesne, ABB-ES

PL
[Signature]

SUBJECT: Revised Sump Locations SWMU 6 & 7 IM

ABB-ES recommended locations for five free-product recovery sumps at the Oily Waste Treatment Plant area at Naval Station Mayport in a memo dated September 12, 1994. Field conditions, including building and underground utility locations, necessitate changes in the sump locations. Suggested locations were provided by Bechtel based on their survey of the site prior to beginning construction.

ABB-ES has evaluated the revised sump locations using Flowpath, a two-dimensional steady state groundwater model, to predict groundwater flow and free product recovery at a pumping rate of 2 gpm. Based on this evaluation, ABB-ES concurs with the sump locations suggested by Bechtel, as follows:

	<u>Easting</u>	<u>Northing</u>
Sump 1	366361.82	2205308.01 * Note correction: 2205058.01
Sump 2	366407.45	2205152.79
Sump 3	366570.69	2205185.35
Sump 4	366538.10	2205319.13
Sump 5	366724.29	2205361.34

PL 4/10/95

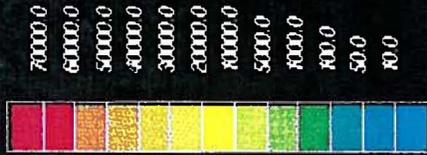
Based on available information, the proposed sump locations appear to provide sufficient coverage to intercept the free-product plume at the site.

Estimated extent of H contaminated soil at SWMUs 6 and 7

Property boundary

Display: 3d faces

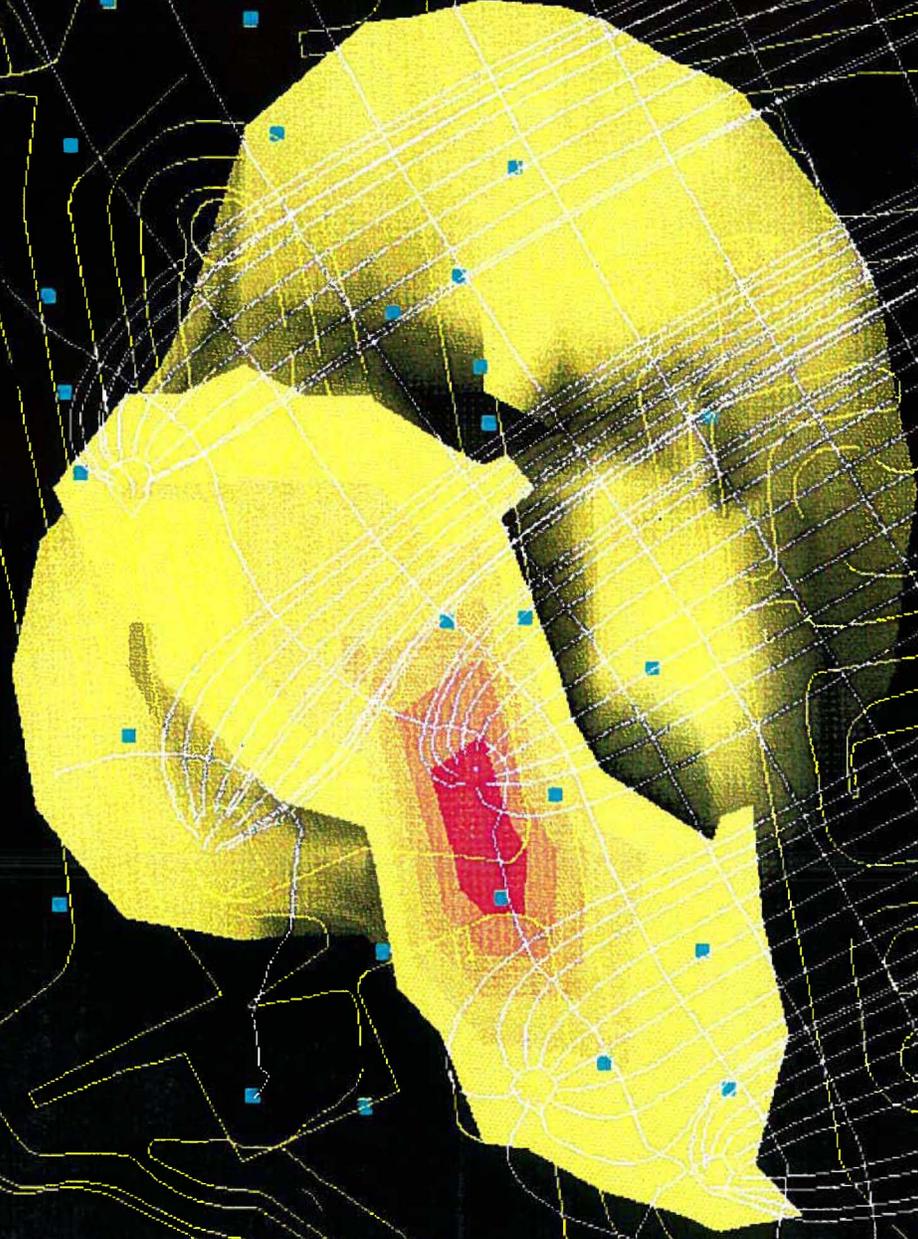
Units: parts per million



Z excavation: 40.0

Azimuth: 0.0

Z Front Cut: 188



Estimated extent of H contaminated soil at SWMUs 6 and 7

Property color key

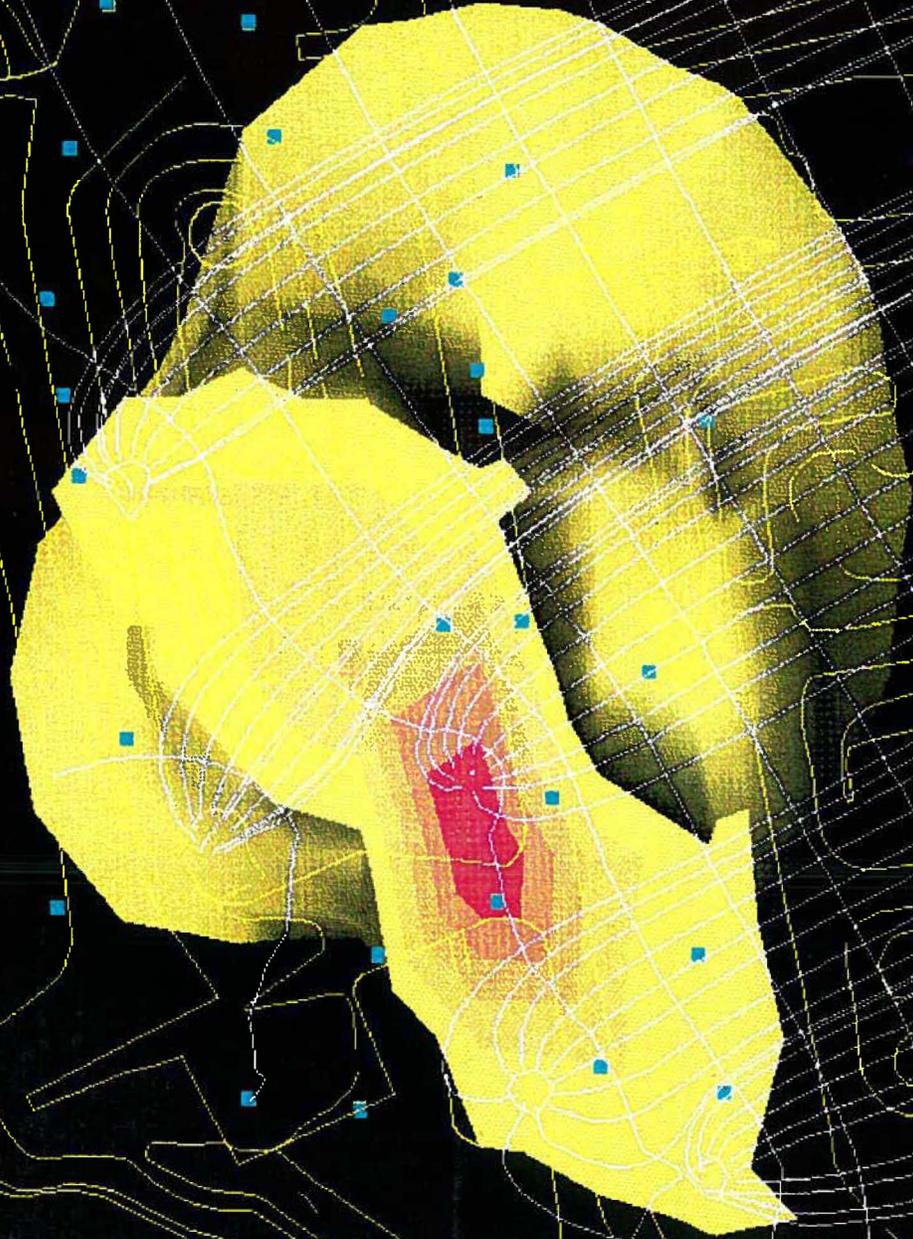
Display top faces
Units: parts per million



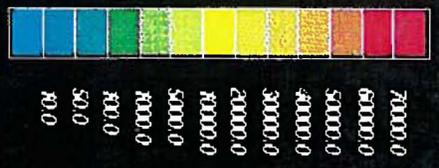
Z exaggeration: 10.0

Azimuth: 0.0

Z Front Cut: 1.87



Display: *tin* faces
Units: *parts per million*



Z exaggeration: 40.0
Azimuth: 0.0
Z Foot Cont: 180

Estimated extent of TPH contaminated soil at SWMUs 6 and 7

