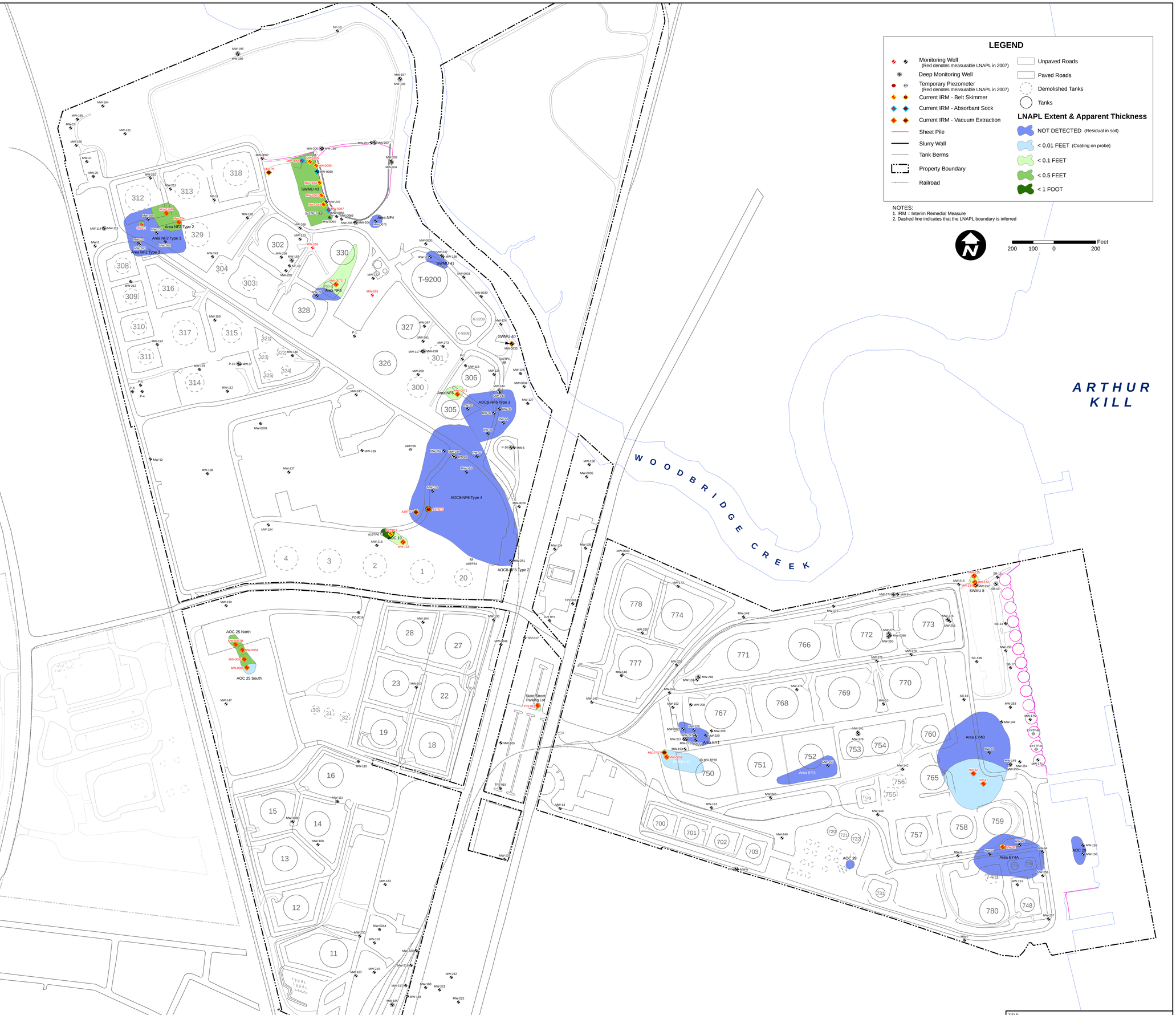
LNAPL PROPERTIES

Area Name	Type of LNAPL	Specific Gravity	Viscosity
SWMU 8	Plasticizers including dioctylphthalate and triarylphosphates, mixed with highly weathered crude oil.	0.9075	7.631b
SWMU 40	[1]No. 2 diesel range distillate and crude oil.	NM	NM
SWMU 41	[1]Refinery intermediate in gas oil range.	NM	NM
SWMU 43	Crude oil, gasoline and diesel.	0.9047	21.7d
AOC 8-NF6	Type 1 - mixture of diesel range distillate, an alkylate and a heavy oil.	0.9489	54.7a
	Type 2 - weathered crude oil.	0.9525	319.8a
	[1]Type 3 - No.2 diesel range mixed with a heavy oil.	NM	NM
	[1]Type 4 - kerosene range mixed with diesel and gas oil.	NM	NM
AOC 19	Weathered crude oil.	0.9435	260.6a
LNAPL Area NF2	Type 1 - comprises of asphalt, and a mixture of a heavy oil, diesel range distillate and gasoline.	0.9844	20349a
	Type 2 - mixture of FCC light cycle oil, <3% gasoline and <1% heavy oil.	0.9252	11.92a
	Type 3 - 94% weathered gasoline and 6% heavy oil possibly mixed with diesel range distillate.	NM	NM
LNAPL Area NF3	Heavy oil, gasoline and a diesel range distillate.	0.905	20.8a
LNAPL Area NF4	Heavy oil, naphtha and a diesel range distillate.	0.9141	15.09b
LNAPL Area NF5	Heavy oil, possibly crude, mixed with upto 40% gasoline and diesel.	0.9283	164.2a
AOC 25	North - gas oil.	0.9756	38.37c
	South - 44% diesel fuel, 33% gasoline and 22% lube oil.	0.8723	0.365b
SWMU 42	Mixture of a light cycle oil, heavy gas oil and 10% gasoline.	NM	NM
LNAPL Area EY1	Weathered gasoline.	0.7972	0.717b
LNAPL Area EY3	94% gasoline and 6% biodegraded distillate.	0.7864	0.717b
LNAPL Area EY4a	Predominantly diesel range distillate mixed with gasoline and a heavy oil.	0.9369	43.3b
LNAPL Area EY4b	Diesel range distillate and a heavy oil.	0.9049	20.7a
AOC 28	Not fingerprinted due to insufficient volume required for analysis.	NM	NM
AOC 29	Weathered No. 2 diesel oil.	0.9182	NM
State Street Parking Lot	Not fingerprinted.	NS	NS

Notes:
a = Centistokes at 20 °C
b = Centistokes at 40 °C
c = Centistokes at 100 °C
d = Centistokes at 10 °C
NM = Not Measured because of insufficient volume or media analyzed.
NS = Not Sampled
[1] Fingerprinting based upon soil samples due to insufficient LNAPL required for analysis.



TITLE:
2007 LNAPL AREAS
CMS REPORT

Chevron

DWN: MTK	FILE NAME: 2007_SMR_Sitewide_LNAPL
CHKD: MEL	DATE: 11/19/2008
FIG NO.: 12	