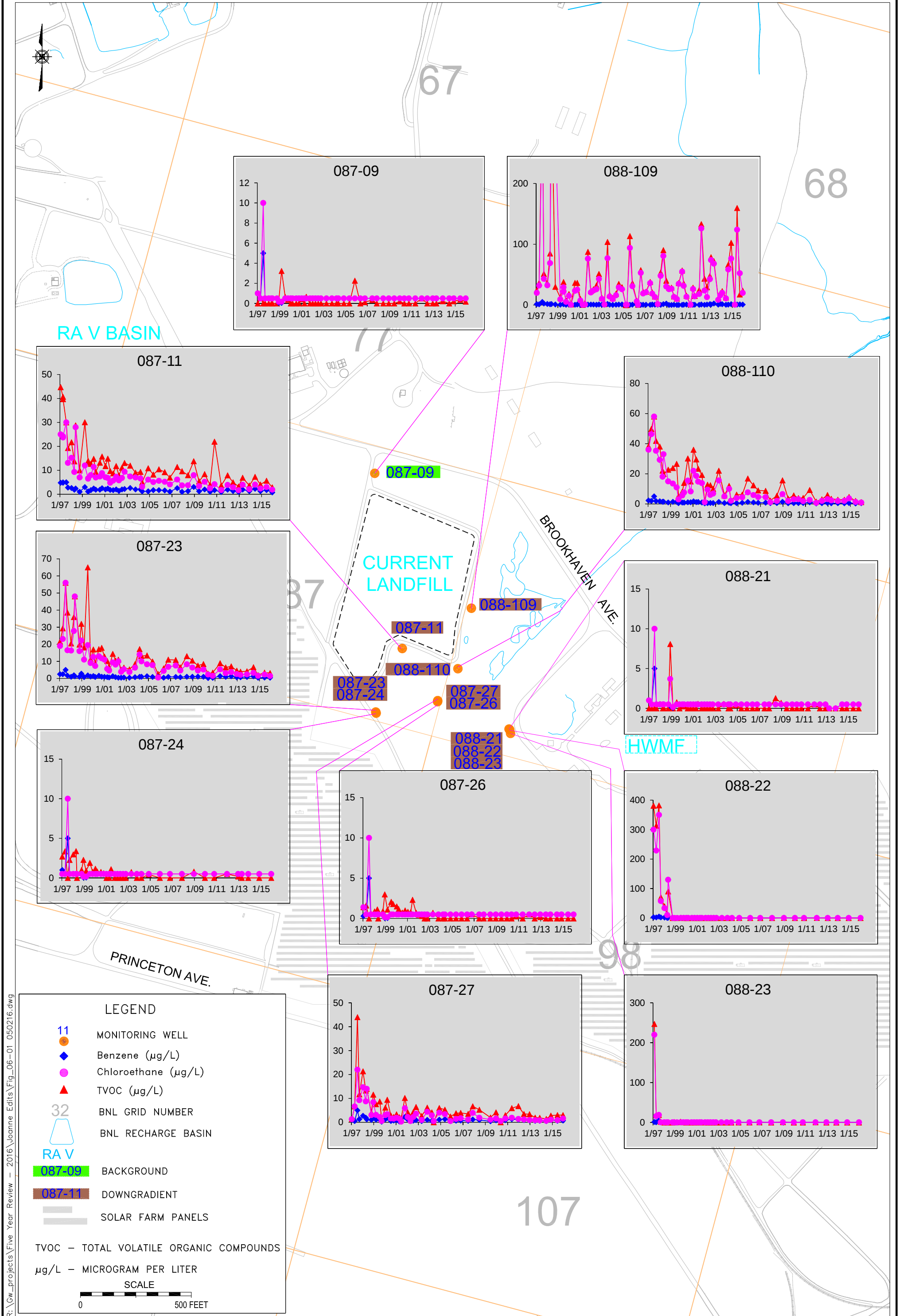
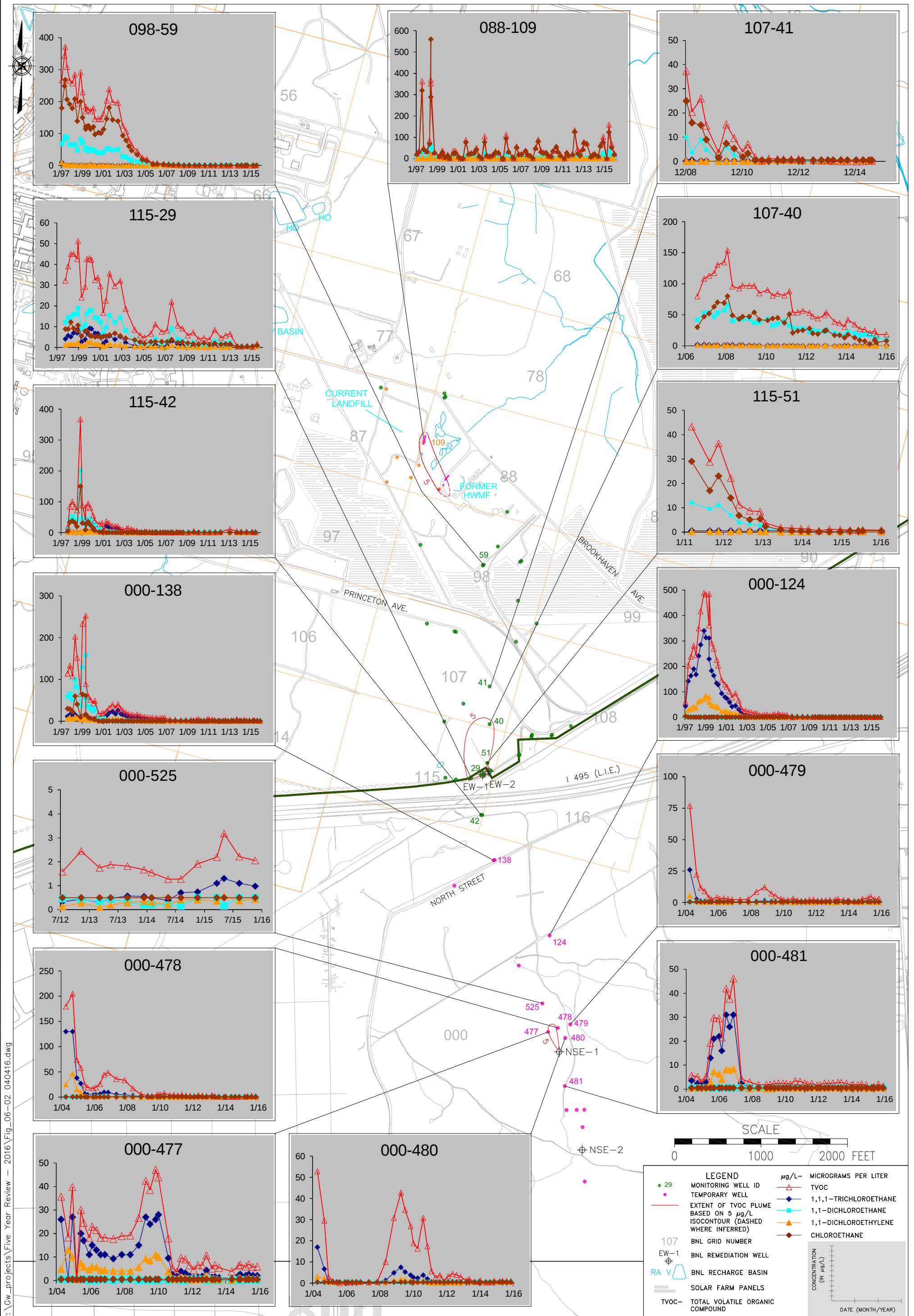




R:\Gw_projects\Five Year Review - 2016\Joanne Edits\Fig_06-01_050216.dwg



R:\Gw_projects\Five Year Review - 2016\Fig_06-02 040416.dwg

BROOKHAVEN
NATIONAL LABORATORY

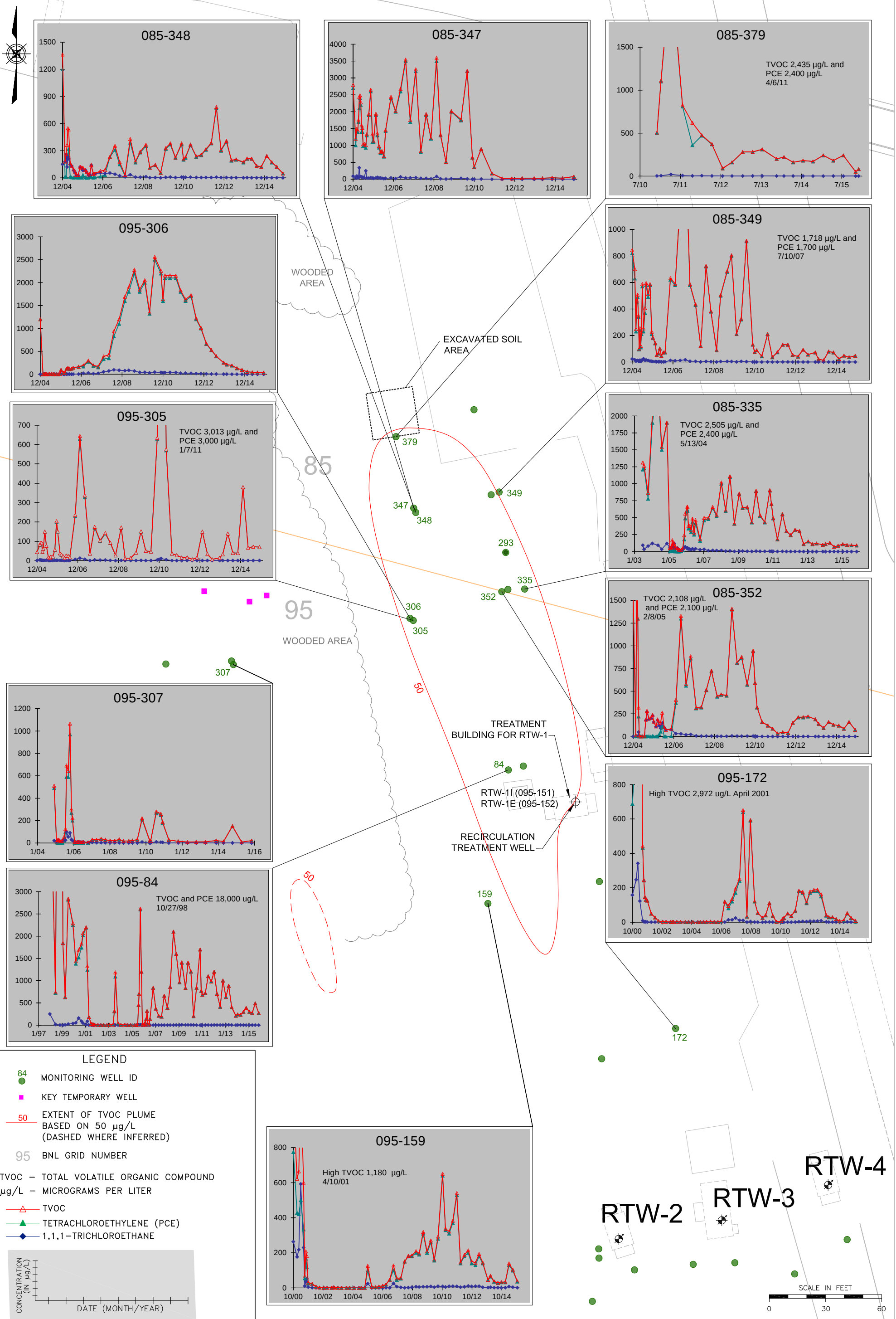
ENVIRONMENTAL PROTECTION DIVISION

TITLE: OU I CURRENT LANDFILL/ SOUTH BOUNDARY/ NORTH STREET EAST HISTORICAL VOC TRENDS

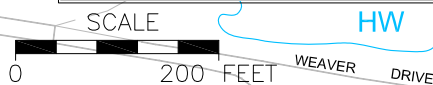
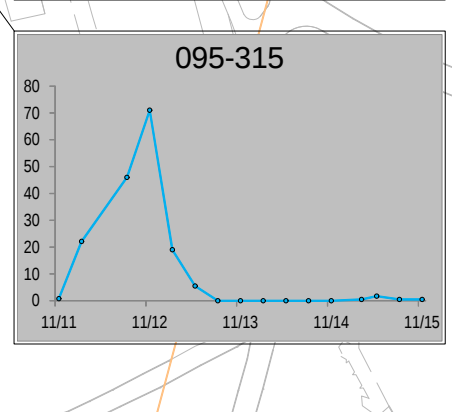
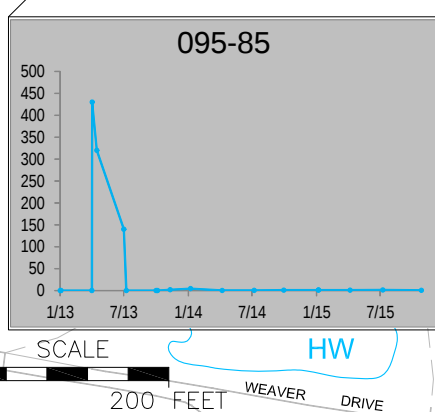
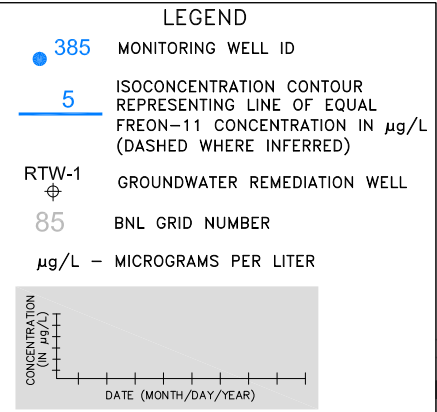
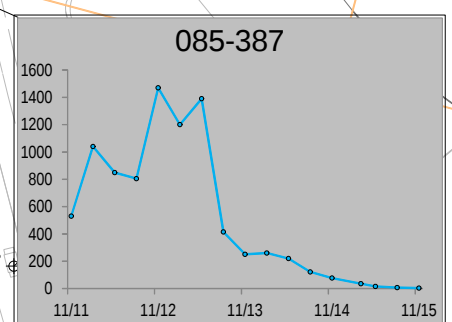
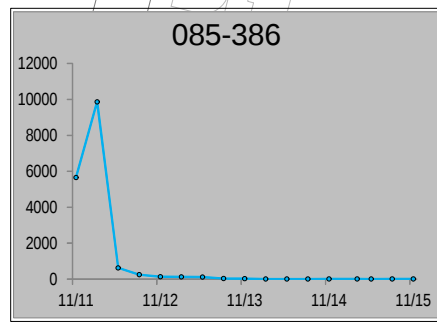
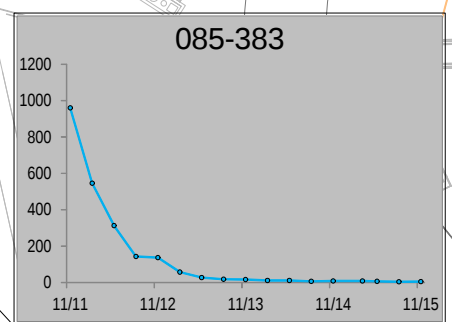
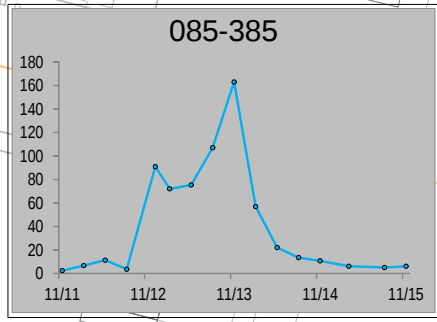
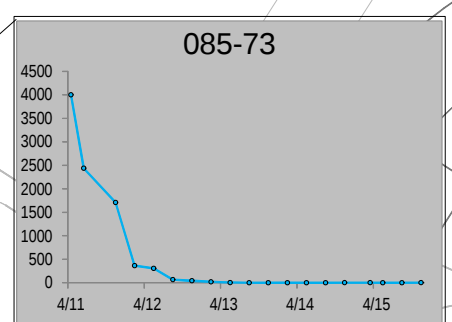
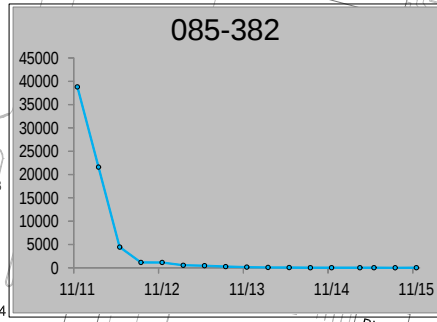
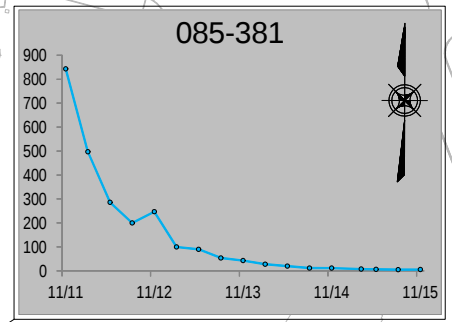
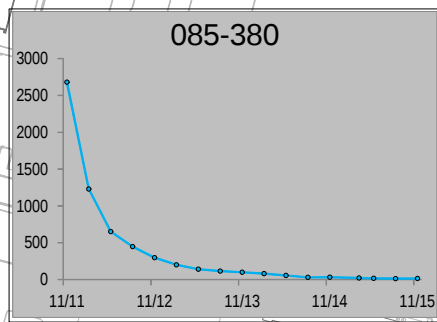
2015 BNL FIVE-YEAR REVIEW

DWN: AJZ	VT: HZ.: -	DATE: 04/04/16	PROJECT NO.: -
CHKD: JEB	APPD: WRD	REV.: -	NOTES: -
FIGURE NO.: 6-2			

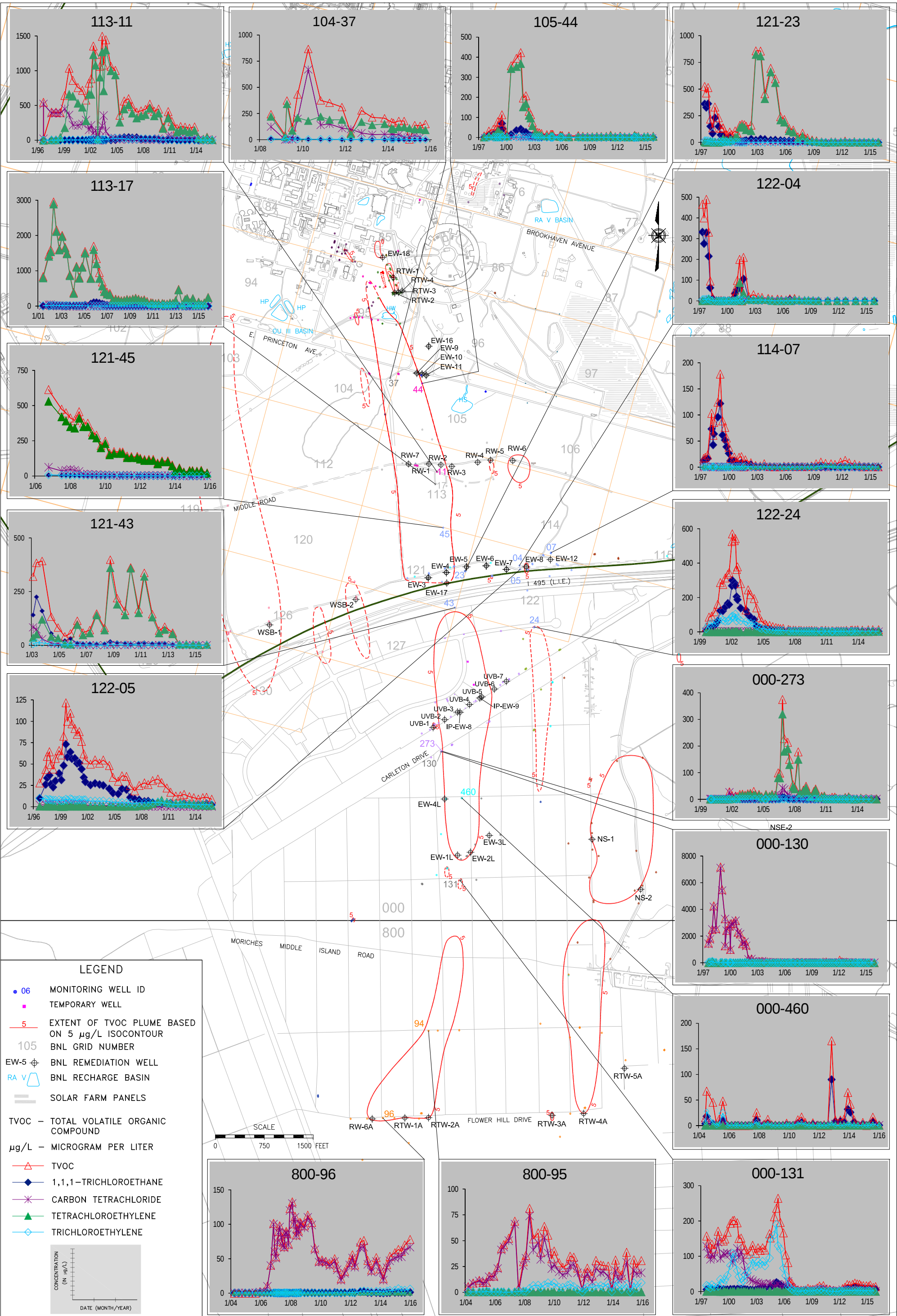
R:\Gw_projects\Five Year Review - 2016\Fig_06-03_041916.dwg



R:\Gw_projects\Five Year Review - 2016\Joanne Edits\Fig_06-04_050216.dwg



R:\Gw_projects\Five Year Review - 2016\Fig_06-05_033116.dwg



BROOKHAVEN
NATIONAL LABORATORY

ENVIRONMENTAL PROTECTION DIVISION

TITLE:

OU III AND OU IV PLUME(S)
HISTORICAL VOC TRENDS

2015 BNL FIVE-YEAR REVIEW

DWN:

AJZ

VT: HZ.:

-

DATE:

03/31/15

PROJECT NO.:

-

CHKD:

JEB

APPD:

WRD

REV.:

-

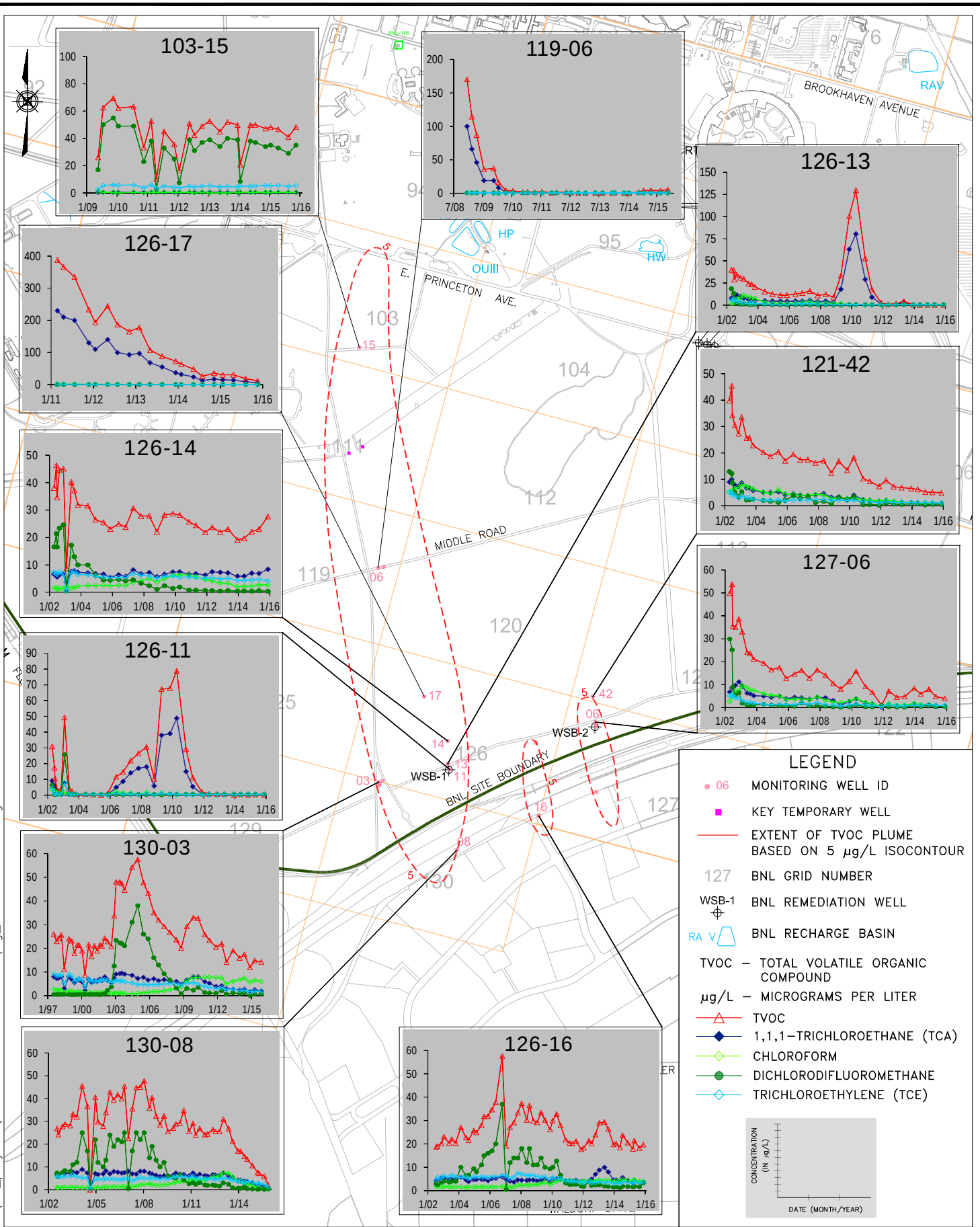
NOTES:

-

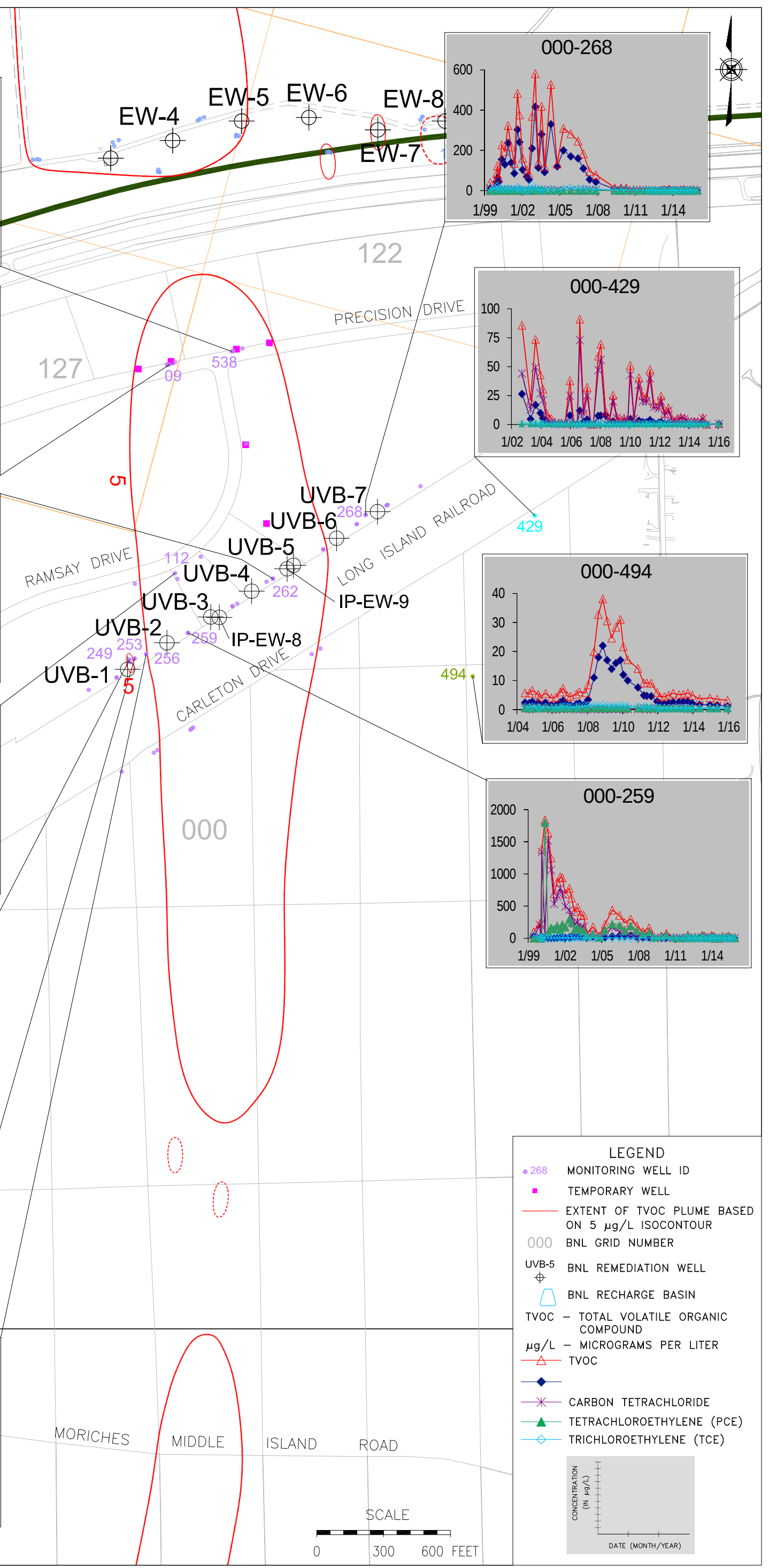
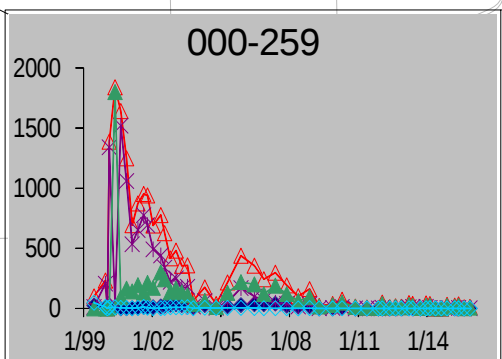
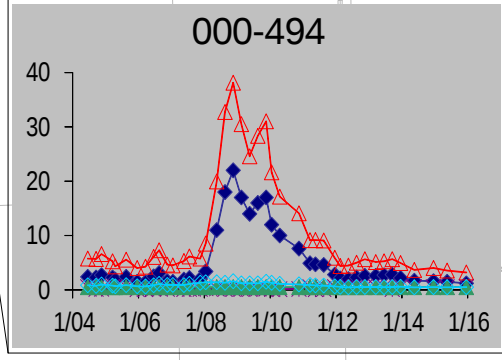
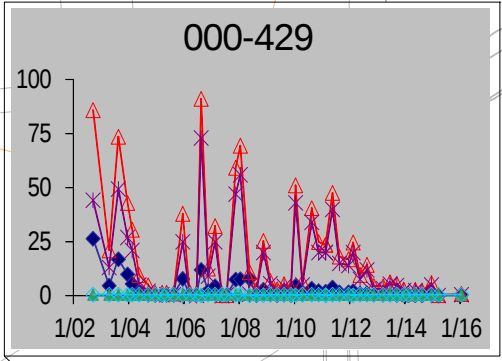
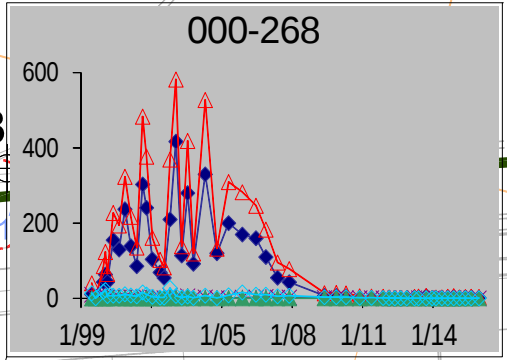
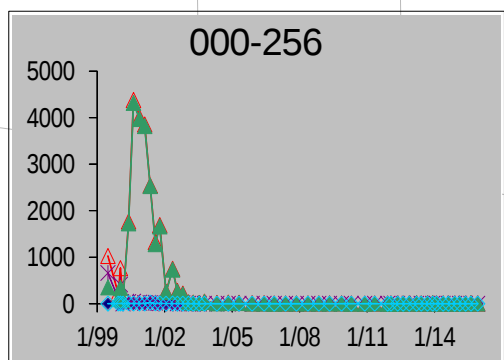
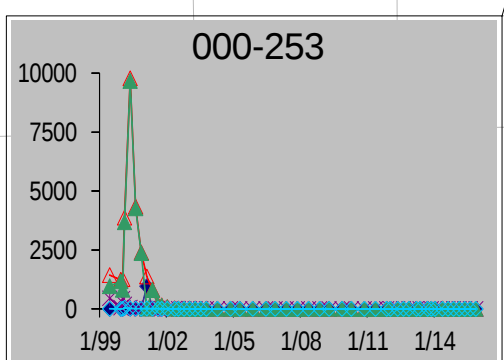
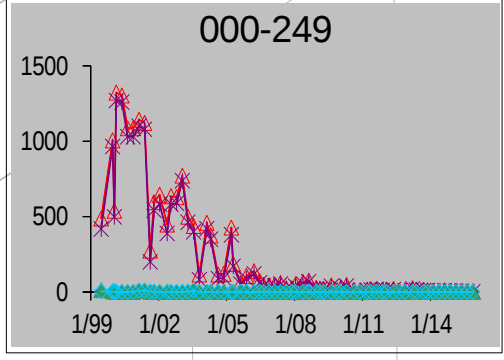
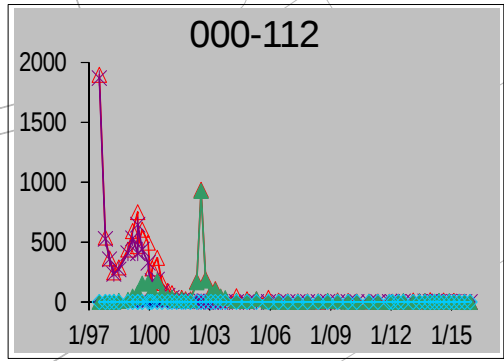
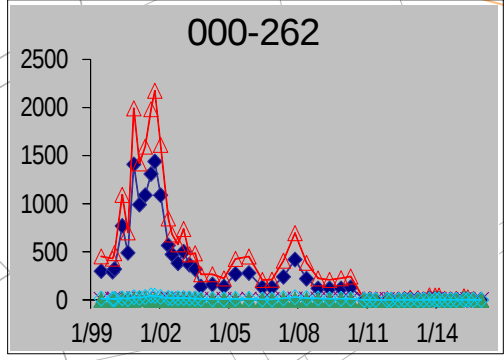
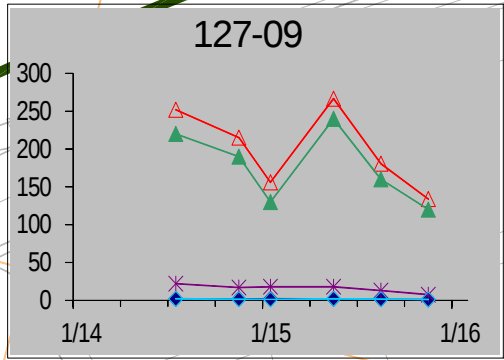
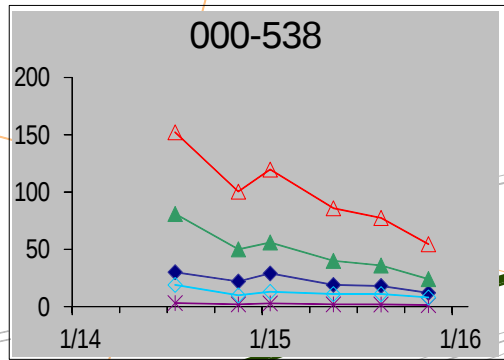
FIGURE NO.:

6-5

R:\Gw_projects\Five Year Review - 2016\Fig_06-06_033116.dwg



R:\Gw_projects\Five Year Review - 2016\Fig_06-07 041916.dwg



LEGEND

● 268

■

—

000

UVB-5

⊕

⬡

TVOC

µg/L

—△—

—◆—

—×—

—▲—

—◇—

MONITORING WELL ID

TEMPORARY WELL

EXTENT OF TVOC PLUME BASED ON 5 µg/L ISOCONTOUR

BNL GRID NUMBER

BNL REMEDIATION WELL

BNL RECHARGE BASIN

TOTAL VOLATILE ORGANIC COMPOUND

MICROGRAMS PER LITER

TVOC

CARBON TETRACHLORIDE

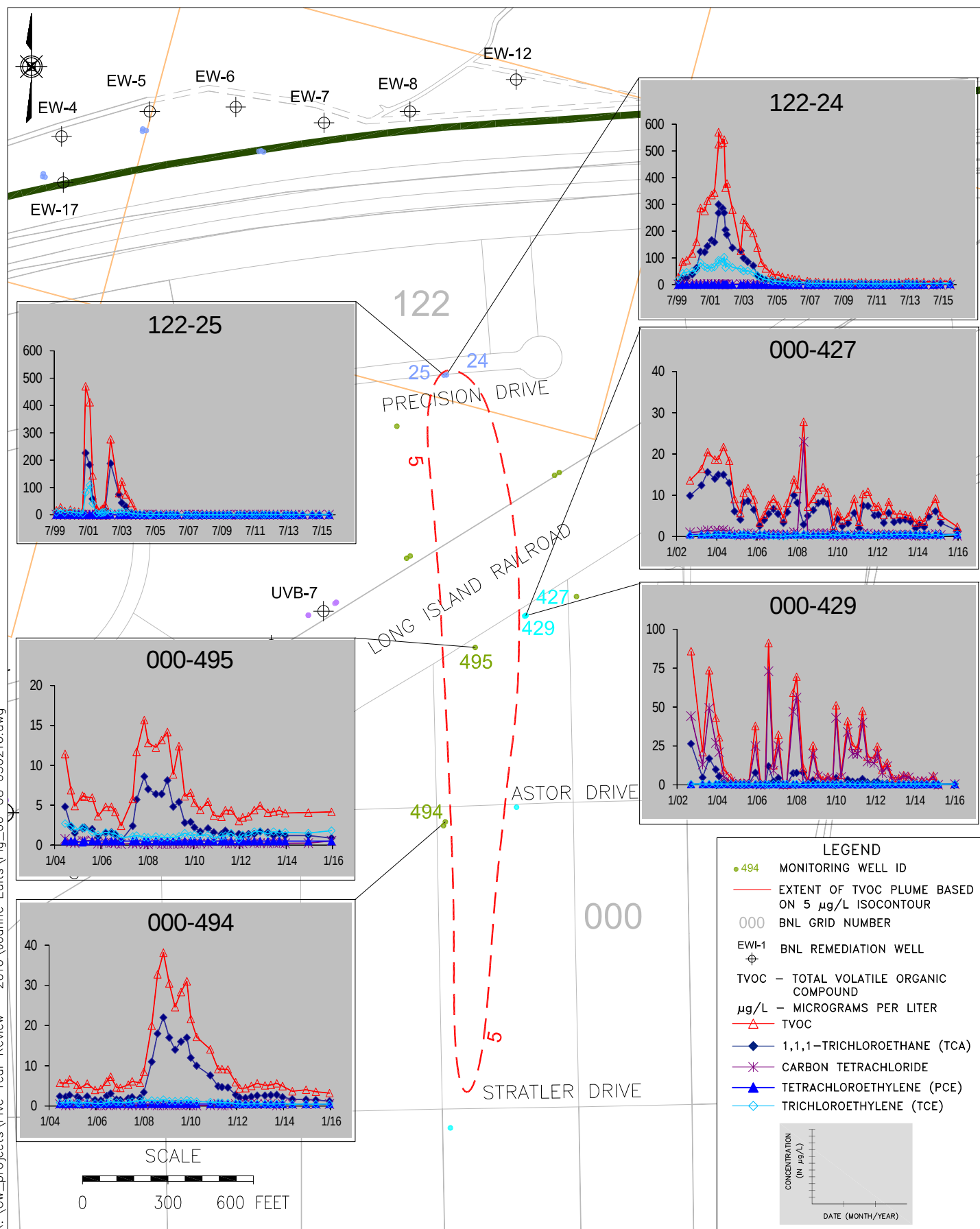
TETRACHLOROETHYLENE (PCE)

TRICHLOROETHYLENE (TCE)

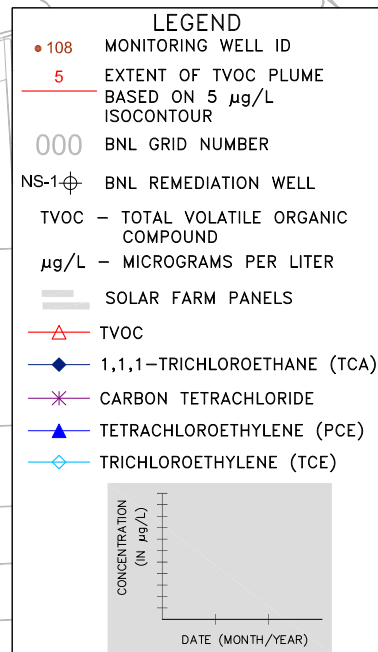
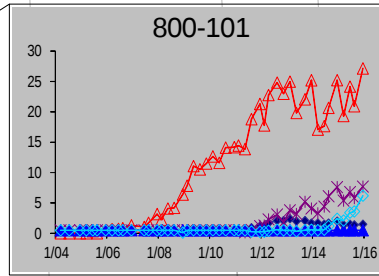
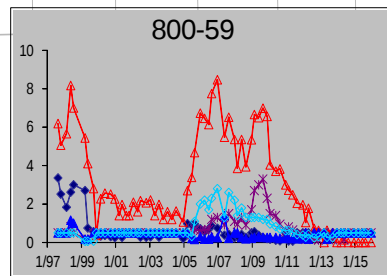
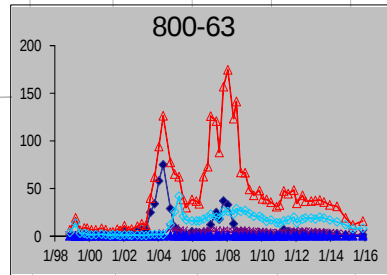
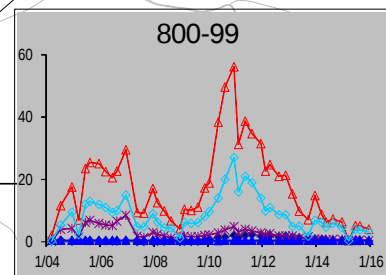
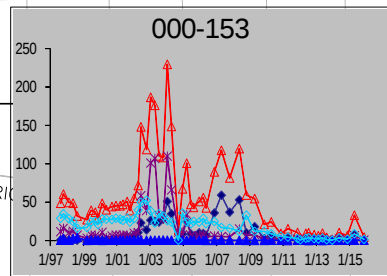
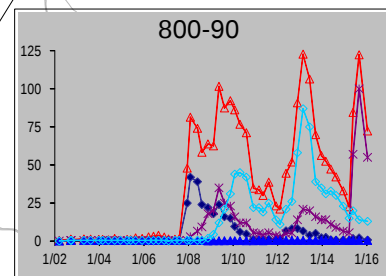
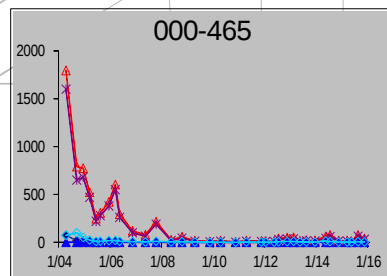
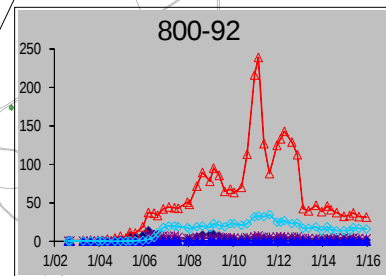
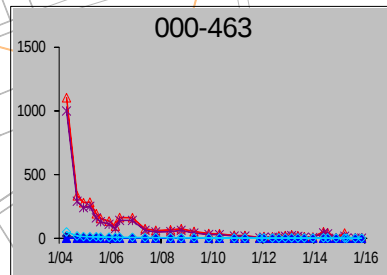
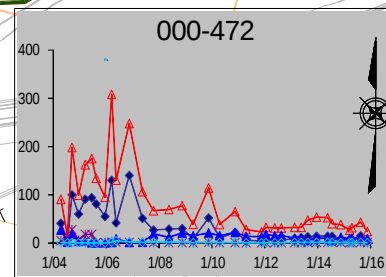
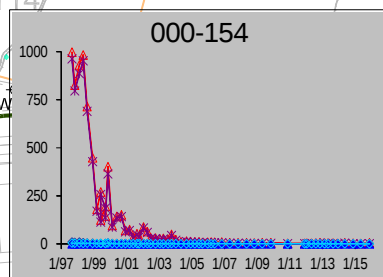
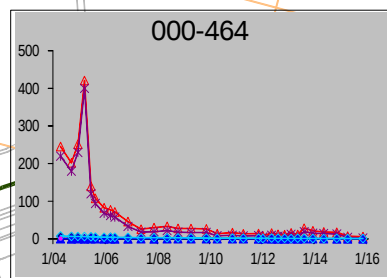
CONCENTRATION (IN µg/L)

DATE (MONTH/YEAR)

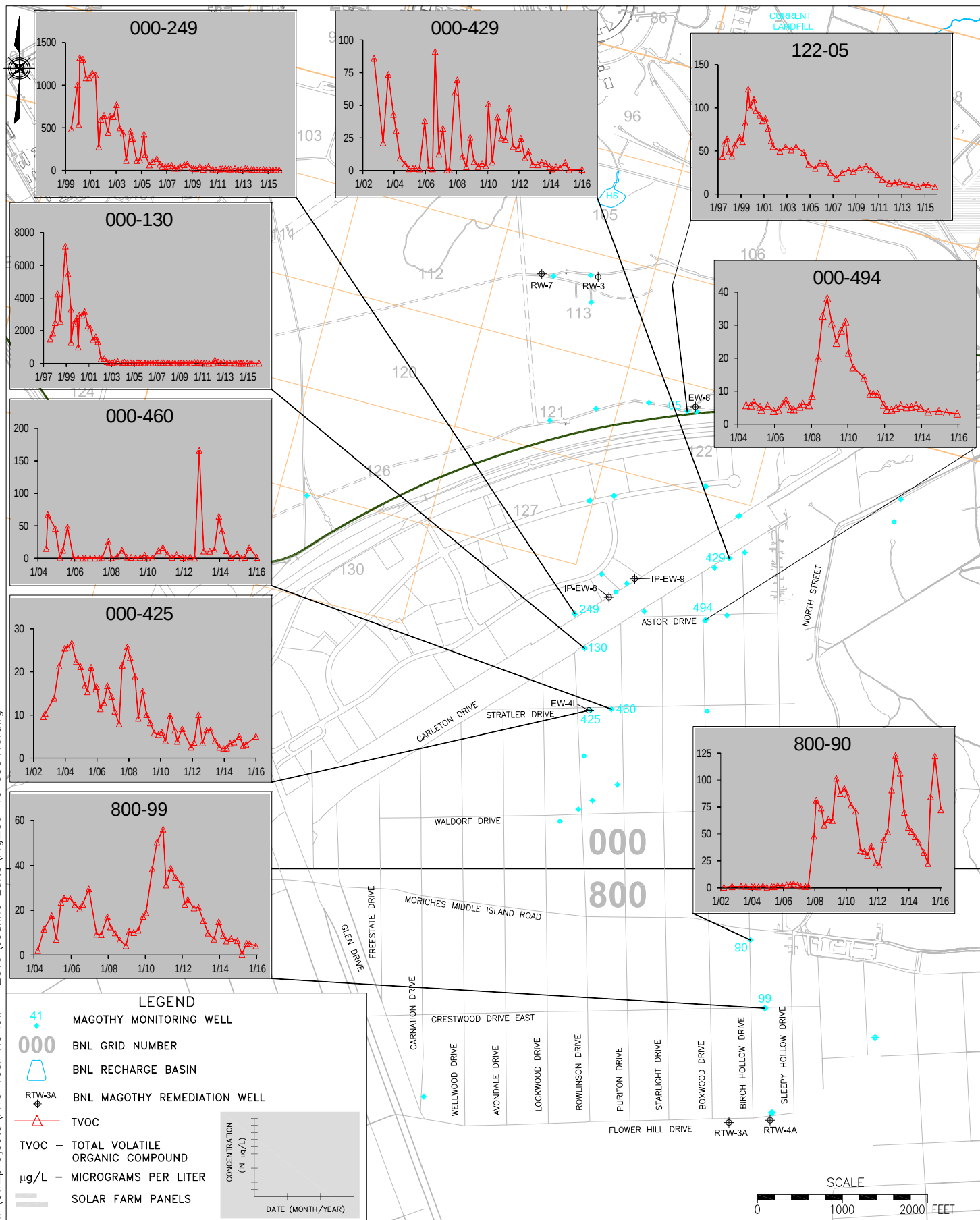
R:\Gw_projects\Five Year Review - 2016\Joanne Edits\Fig_06-08_050216.dwg



R:\Gw_projects\Five Year Review - 2016\Fig_06-09_033116.dwg



R:\Gw_projects\Five Year Review - 2016\Joanne Edits\Fig_06-10_050416.dwg



TITLE:

MAGOTHY HISTORICAL TVOC TRENDS

2015 BNL FIVE-YEAR REVIEW

DWN:

AJZ

VT:HZ.:

—

DATE:

05/04/16

PROJECT NO.:

—

CHKD:

JEB

APPD:

WRD

REV.:

—

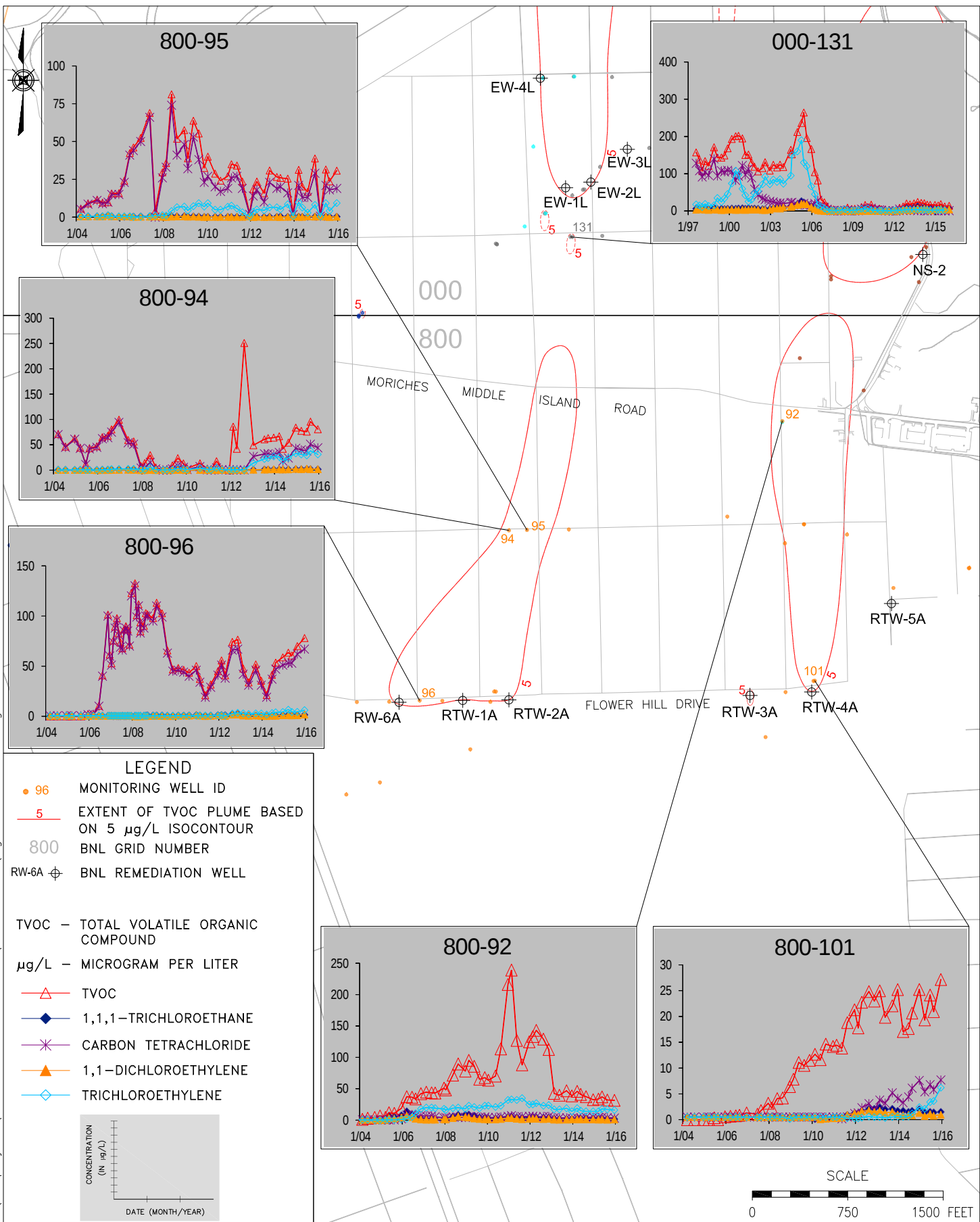
NOTES:

—

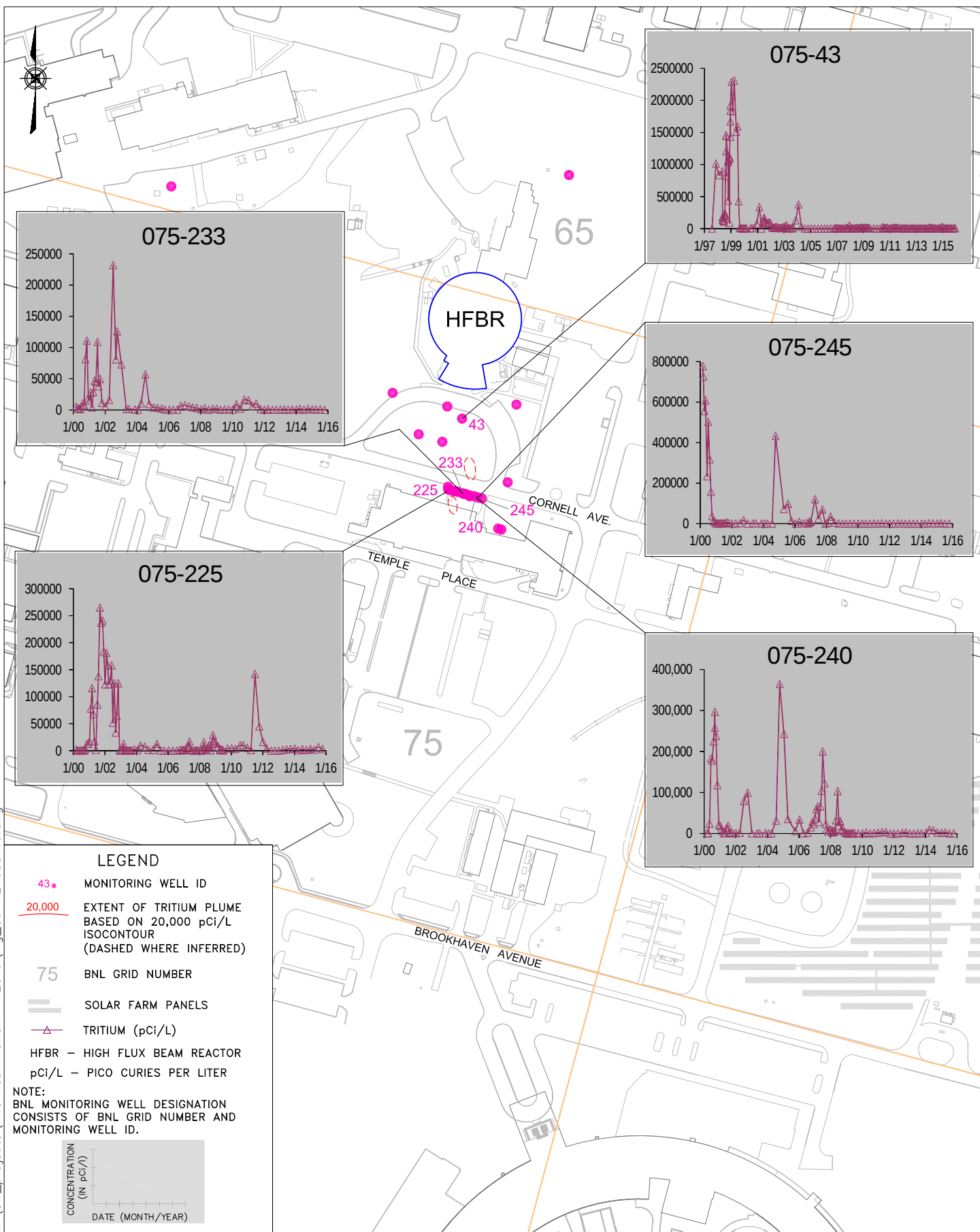
FIGURE NO.:

6-10

R:\Gw_projects\Five Year Review - 2016\Joanne Edits\Fig_06-11_050216.dwg



R:\Gw_projects\Five Year Review - 2016\Fig_06-12_033116.dwg



BROOKHAVEN
NATIONAL LABORATORY

ENVIRONMENTAL
PROTECTION DIVISION

TITLE:

OU III HFBR AOC 29
HISTORICAL TRITIUM TRENDS

2015 BNL FIVE-YEAR REVIEW

DWN:

AJZ

VT:HZ.:

—

DATE:

03/31/16

PROJECT NO.:

—

CHKD:

JEB

APPD:

WRD

REV.:

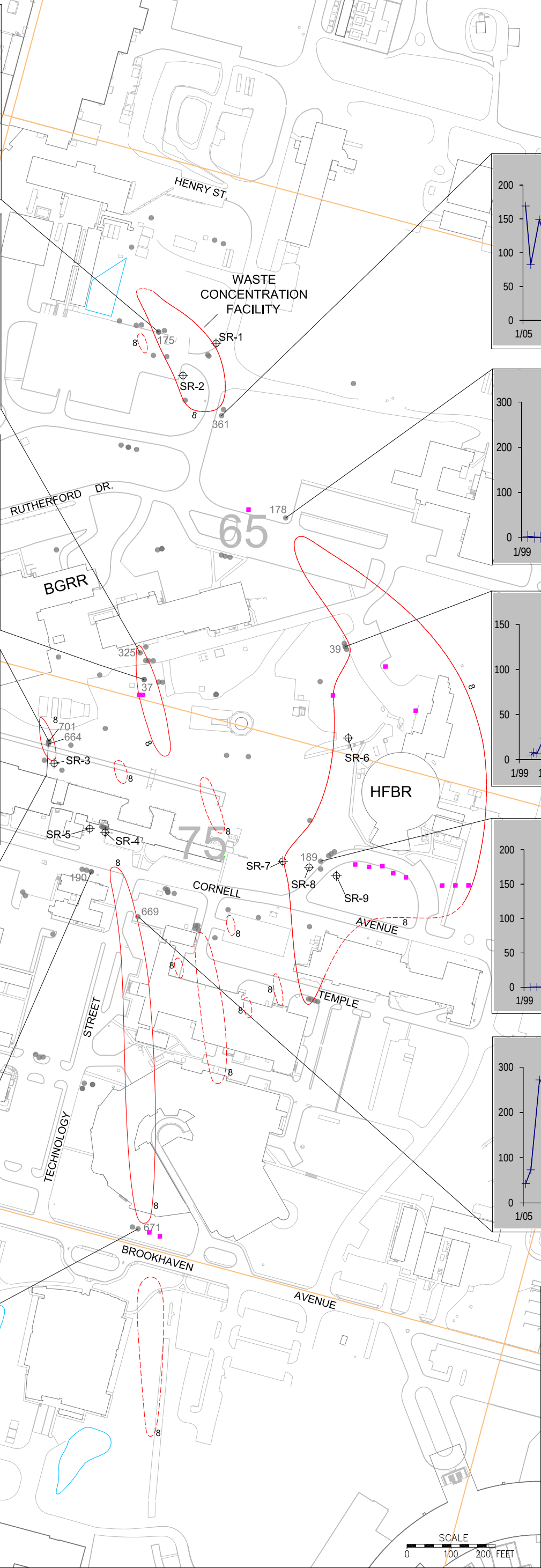
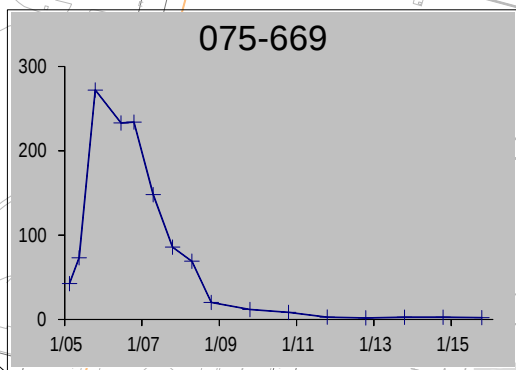
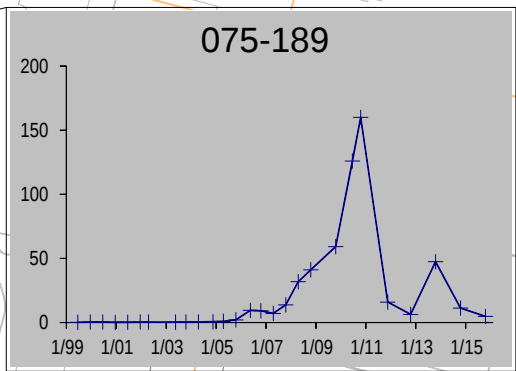
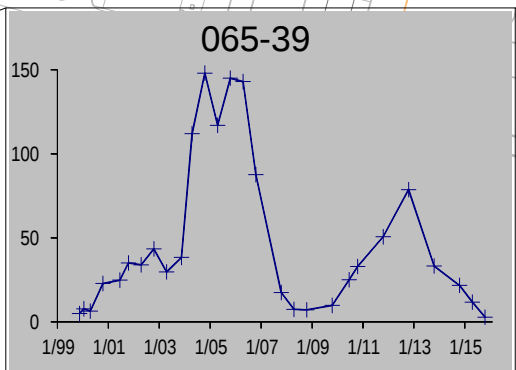
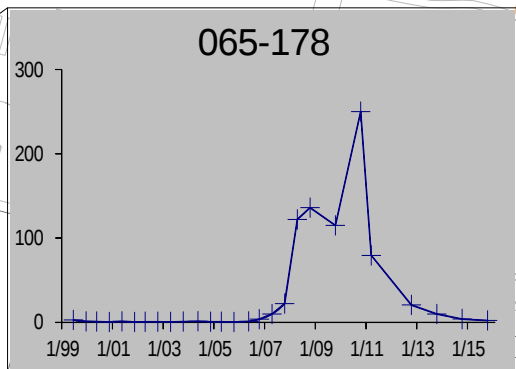
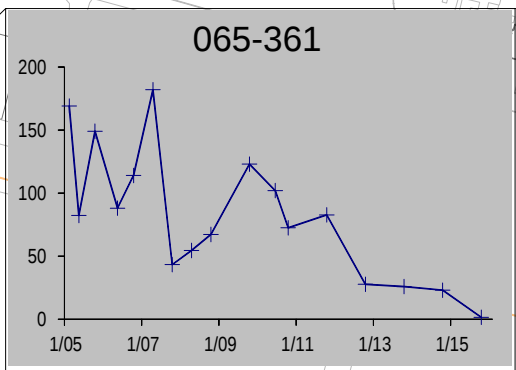
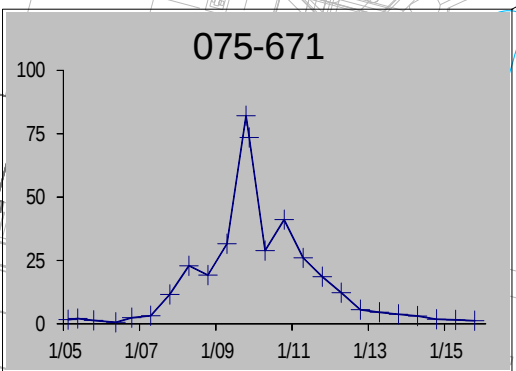
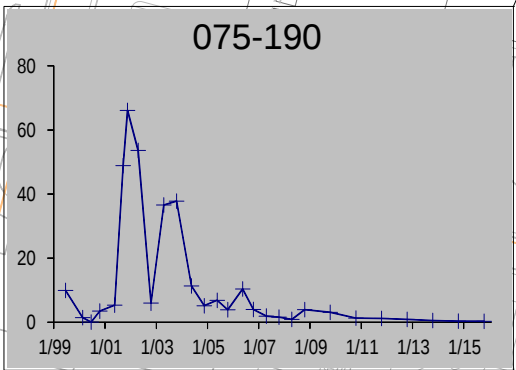
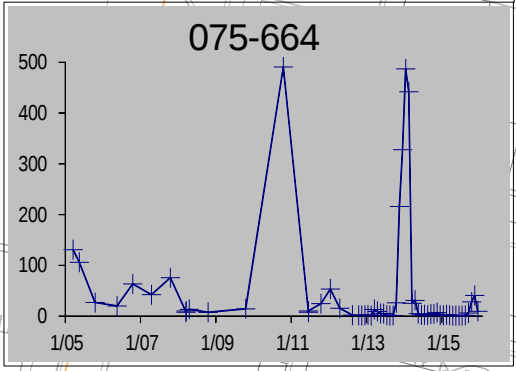
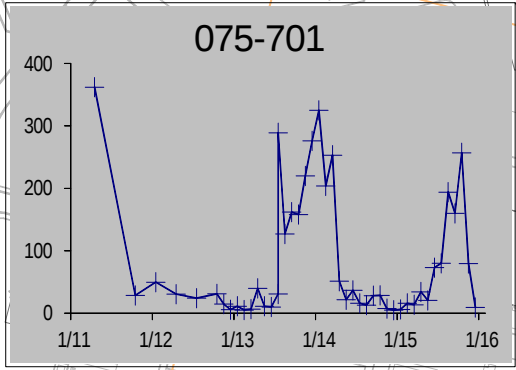
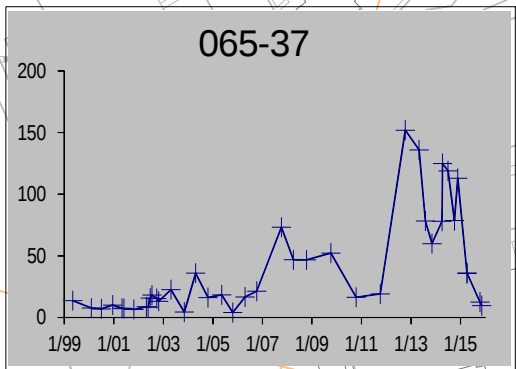
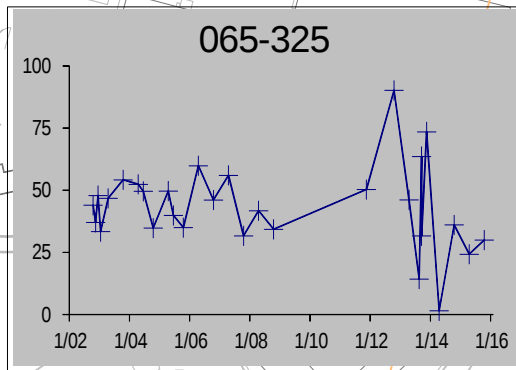
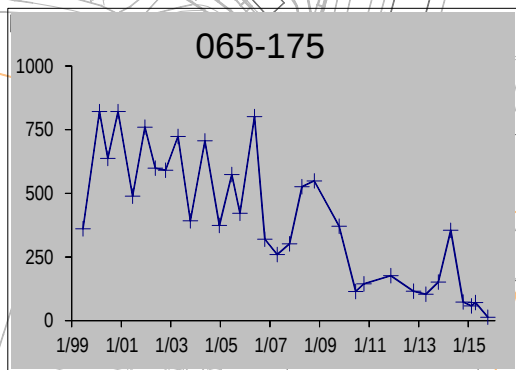
—

NOTES:

—

FIGURE NO.:

6-12



LEGEND

● 164

MONITORING WELL ID

■

KEY TEMPORARY WELL

8

EXTENT OF Sr-90 PLUME
BASED ON 8 pCi/L
ISOCONTOUR
(DASHED WHERE INFERRED)

75

BNL GRID NUMBER

pCi/L-

PICO CURIES PER LITER

WCF-

WASTE CONCENTRATION FACILITY

BGRR-

BROOKHAVEN GRAPHITE
RESEARCH REACTOR

—+

STRONTIUM-90 (Sr-90) (pCi/L)

CONCENTRATION
(IN pCi/L)

TIME (MONTH/YEAR)

BROOKHAVEN
NATIONAL LABORATORY

ENVIRONMENTAL PROTECTION DIVISION

TITLE:

OU III BGRR/WCF
HISTORICAL Sr-90 TRENDS
2015 BNL FIVE-YEAR REVIEW

DWN:

AJZ

VT: HZ.:

-

DATE:

04/19/16

PROJECT NO.:

-

CHKD:

JEB

APPD:

WRD

REV.:

-

NOTES:

-

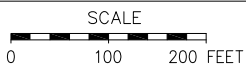
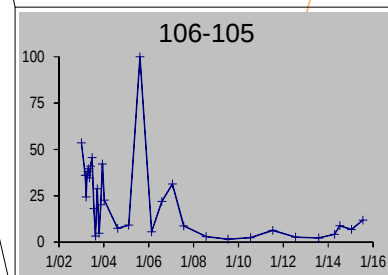
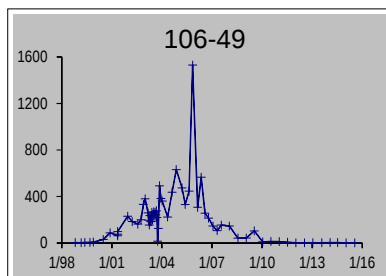
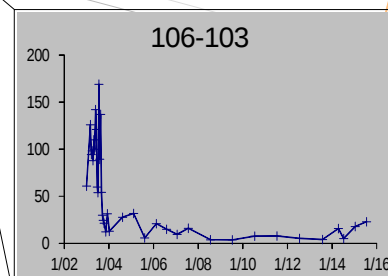
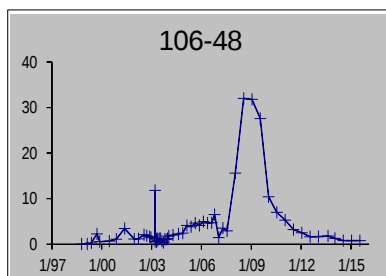
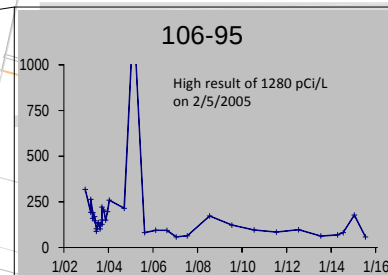
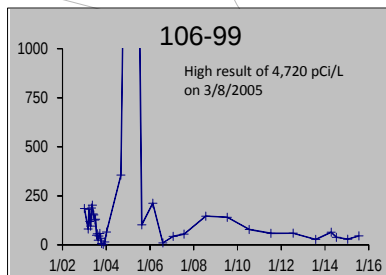
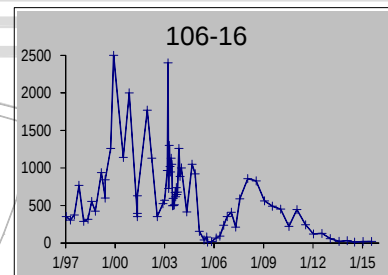
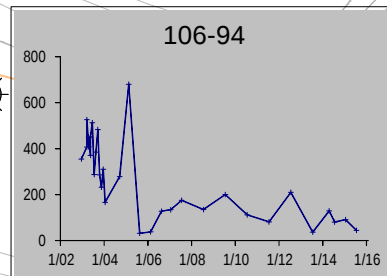
FIGURE NO.:

6-13

R:\Gw_projects\Five Year Review - 2016\Fig-06-14 033116.dwg

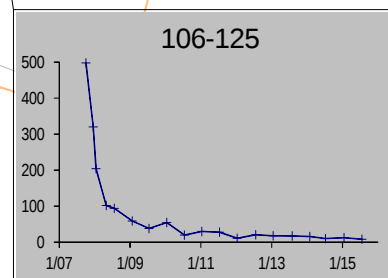
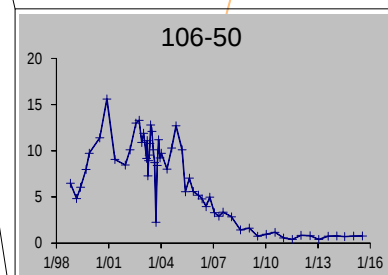
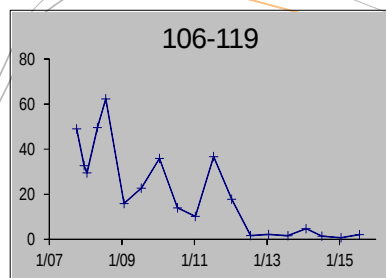
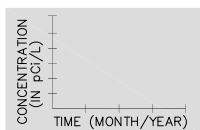
FORMER LANDFILL

FORMER
CHEMICAL/ANIMAL HOLES

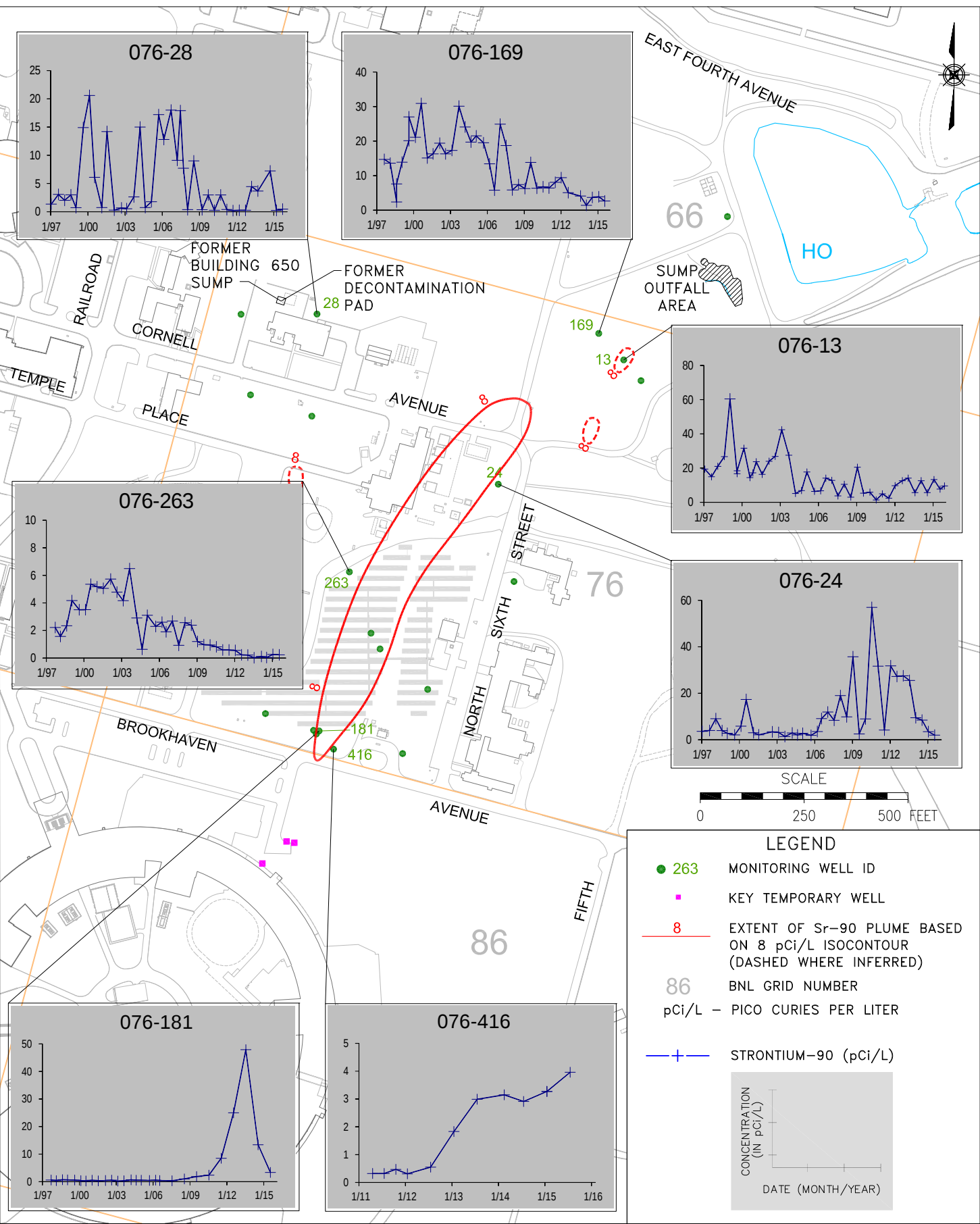


LEGEND

- 64 MONITORING WELL ID
- KEY TEMPORARY WELL
- ⊕ BNL REMEDIATION WELL
- 8 EXTENT OF STRONTIUM-90 (Sr-90) PLUME BASED ON 8 pCi/L ISOCONTOUR (DASHED WHERE INFERRED)
- 106 BNL GRID NUMBER
- +— Sr-90 (pCi/L)
- ▬ SOLAR FARM PANELS
- pCi/L - PICO CURIES PER LITER



R:\Gw_projects\Five Year Review - 2016\Fig_06-15 033116.dwg



BROOKHAVEN
NATIONAL LABORATORY

ENVIRONMENTAL
PROTECTION DIVISION

TITLE:

OU IV AOC 6
HISTORICAL Sr-90 TRENDS

2015 BNL FIVE-YEAR REVIEW

DWN:

AJZ

VT:HZ.:

—

DATE:

03/31/16

PROJECT NO.:

—

CHKD:

JEB

APPD:

WRD

REV.:

—

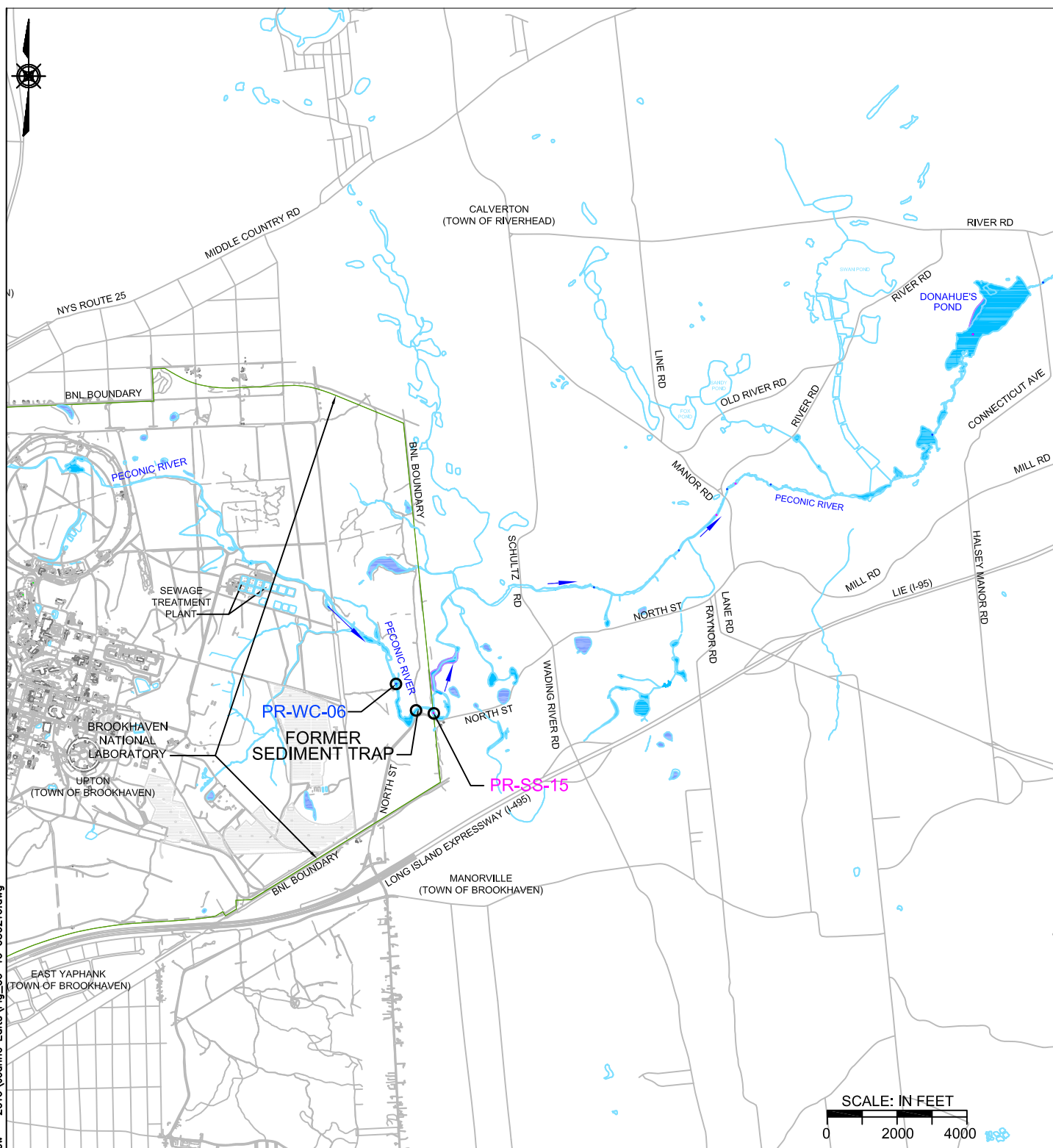
NOTES:

—

FIGURE NO.:

6-15

R:\ow_projects\Five Year Review - 2016\bonne Edits\Fig_06-16_050216.dwg



LEGEND

	PECONIC RIVER		PR-WC-06 2011 SUPPLEMENTAL SEDIMENT REMOVAL LOCATION
	ISOLATED POND		
	MARSH AREAS		PECONIC RIVER FLOW DIRECTION

Figure 6-17: 2011 through 2015 Peconic River Mercury in Surface Water

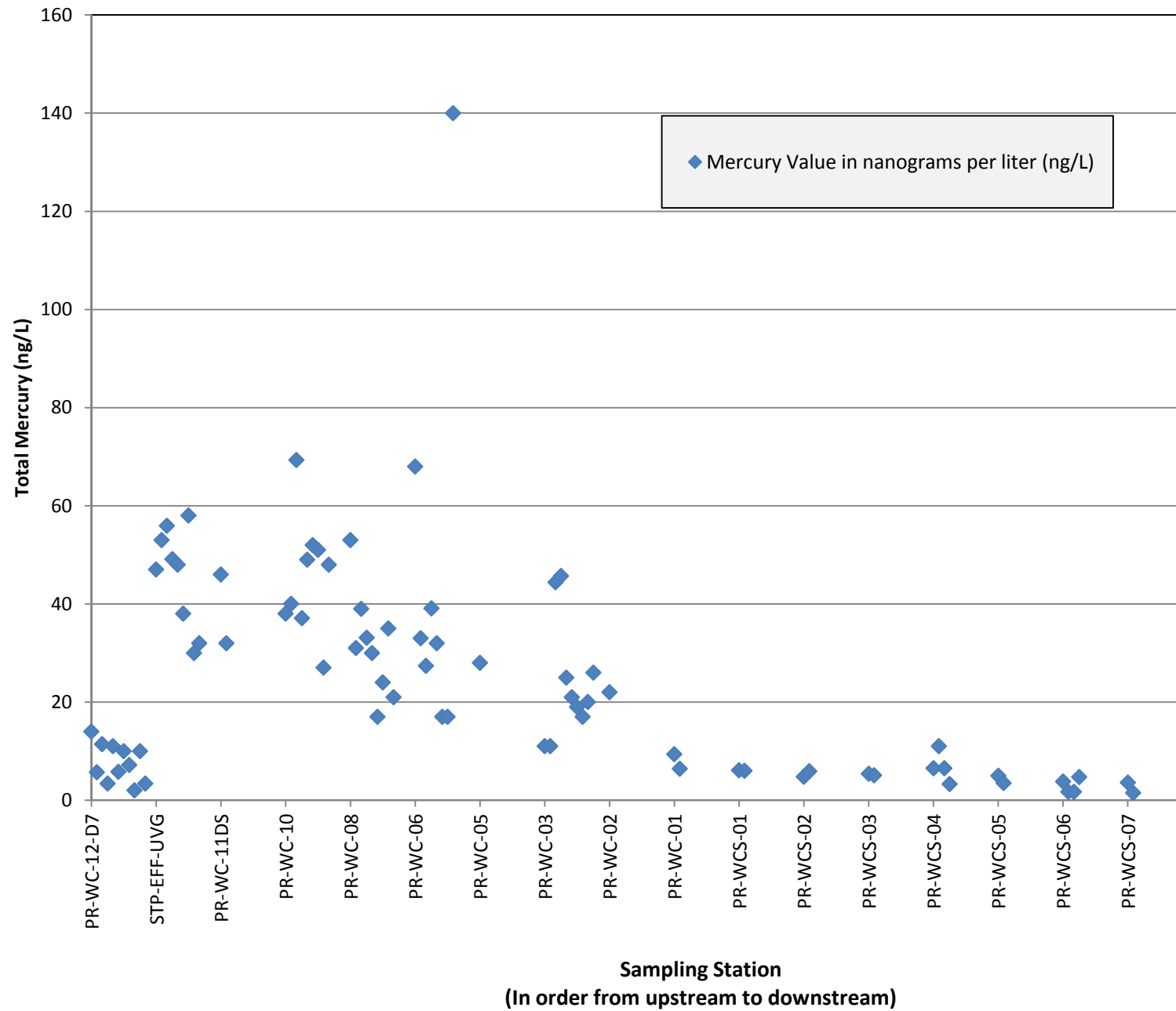


Figure 6-18: 2011 through 2015 Peconic River Surface Water Annual Mean Total Mercury

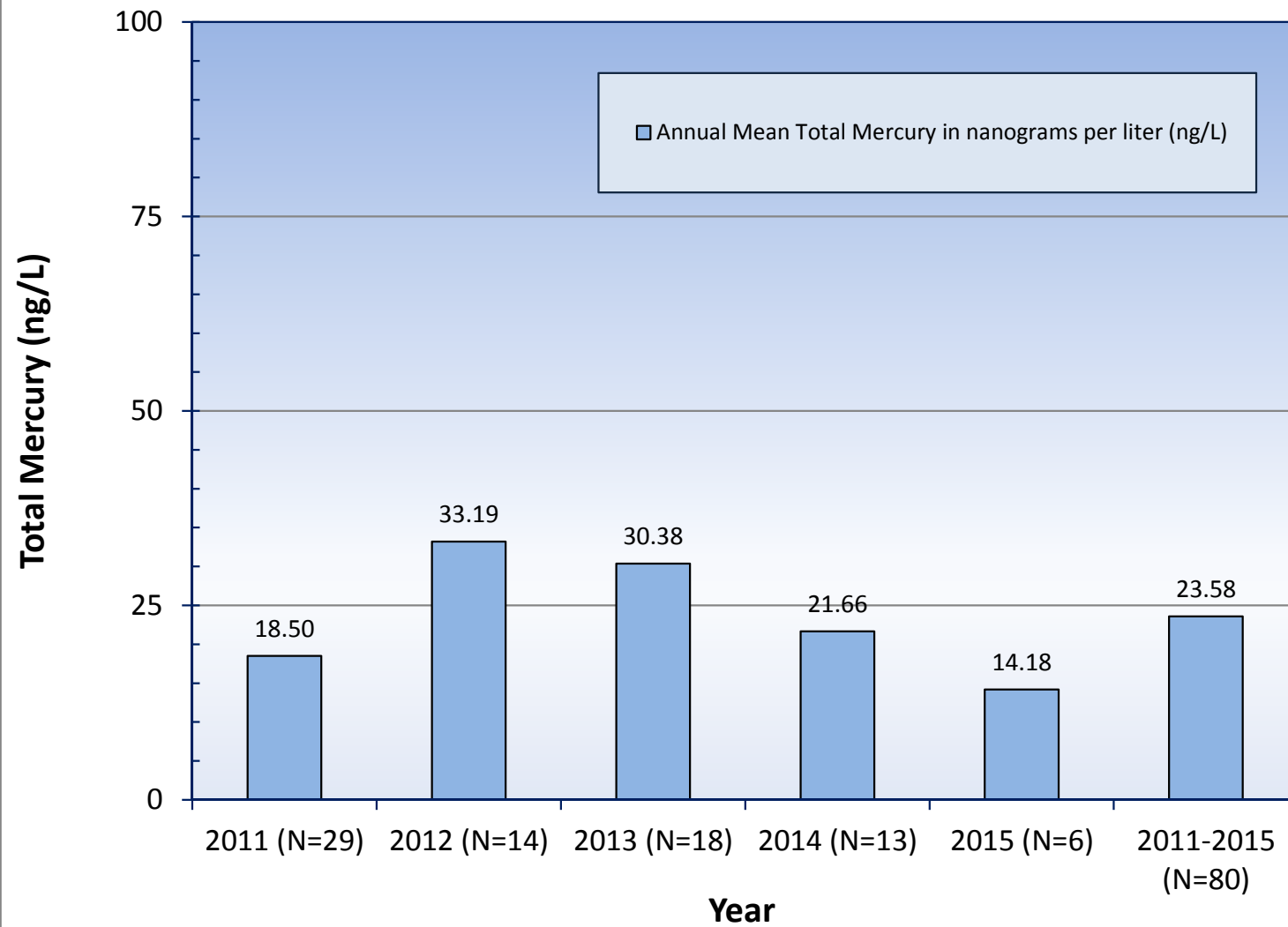


Figure 6-19 2011 through 2015 Peconic River Methyl Mercury in Surface Water

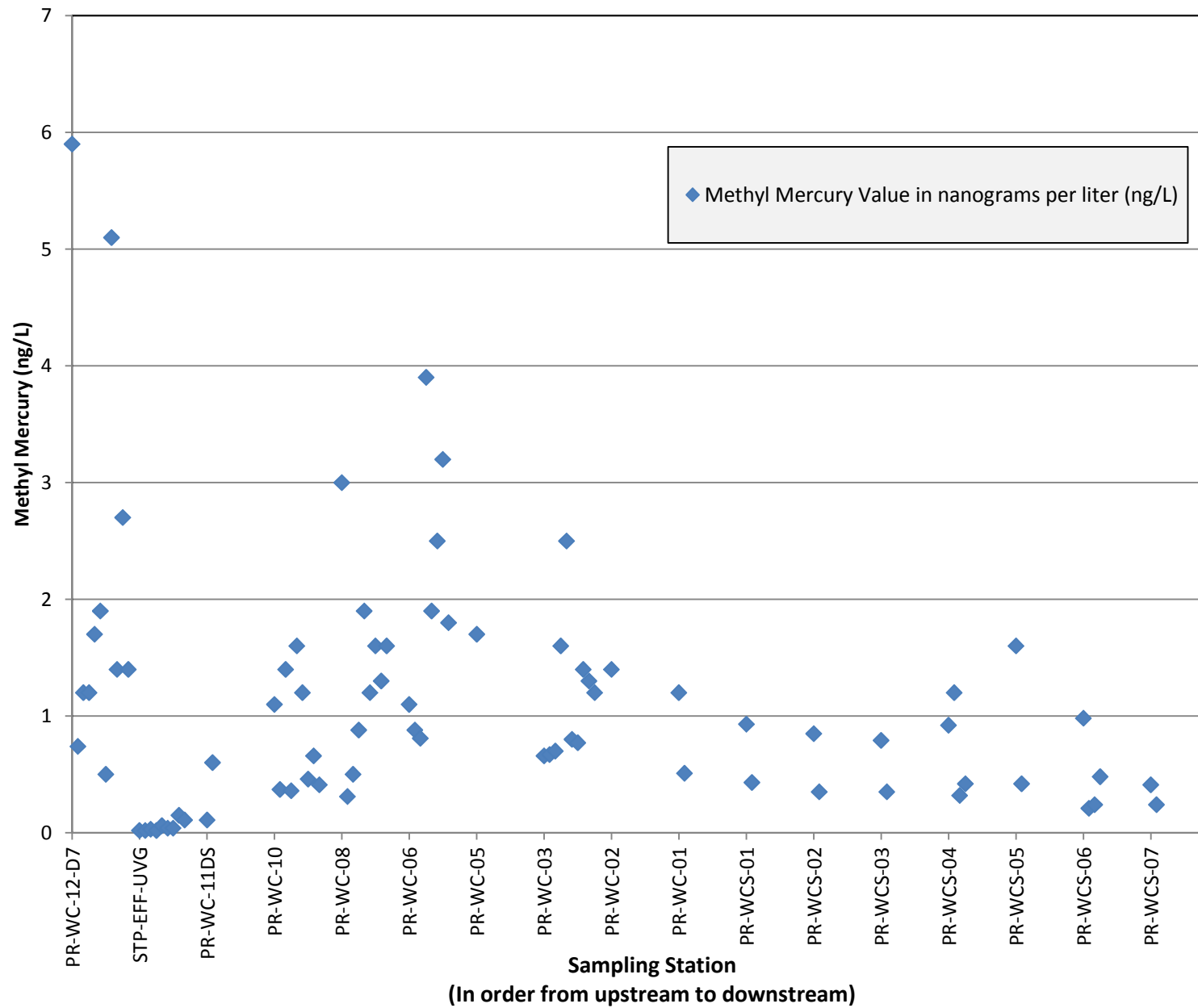


Figure 6-20: 2011 through 2015 Peconic River Surface Water Annual Mean Methyl Mercury

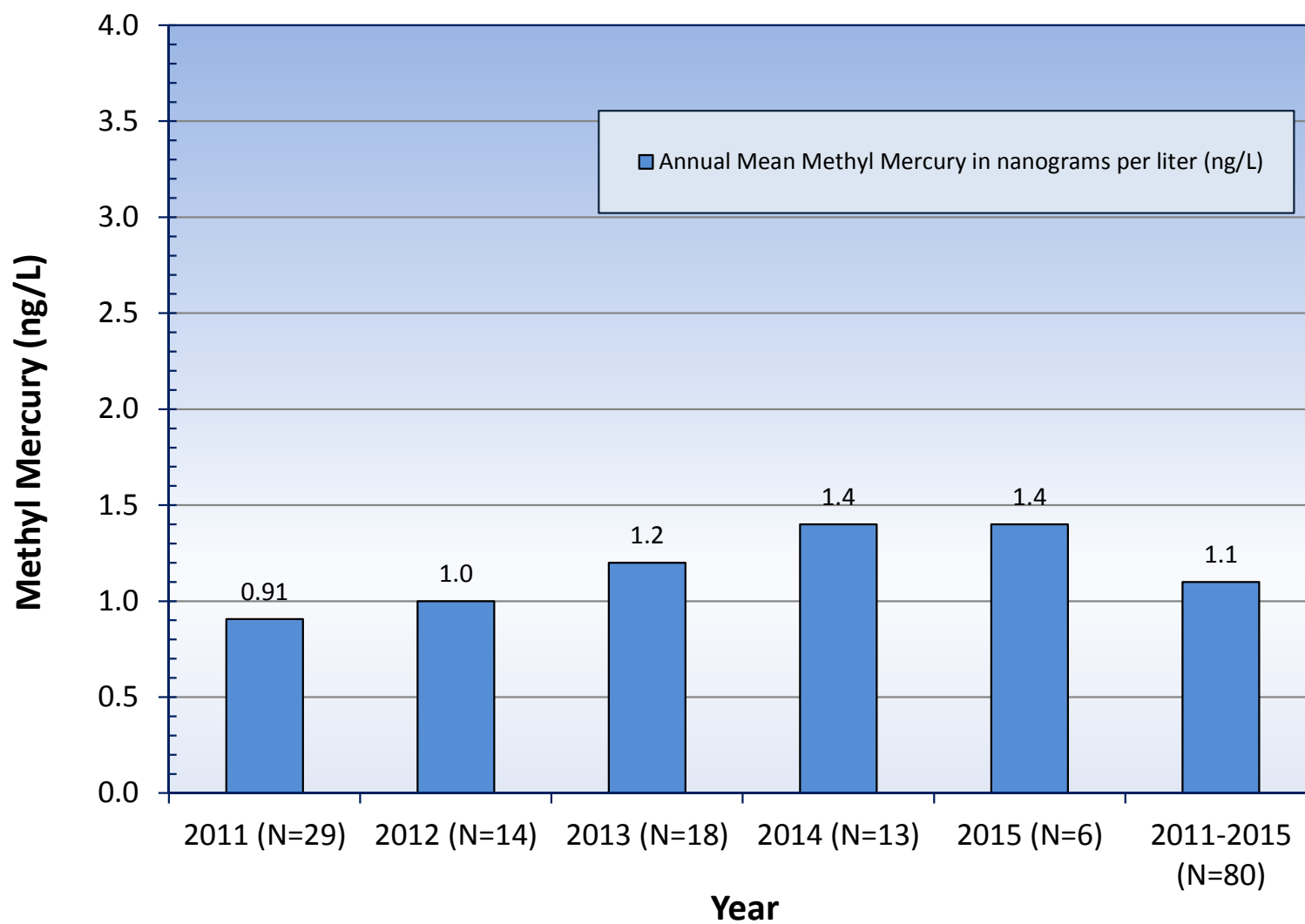
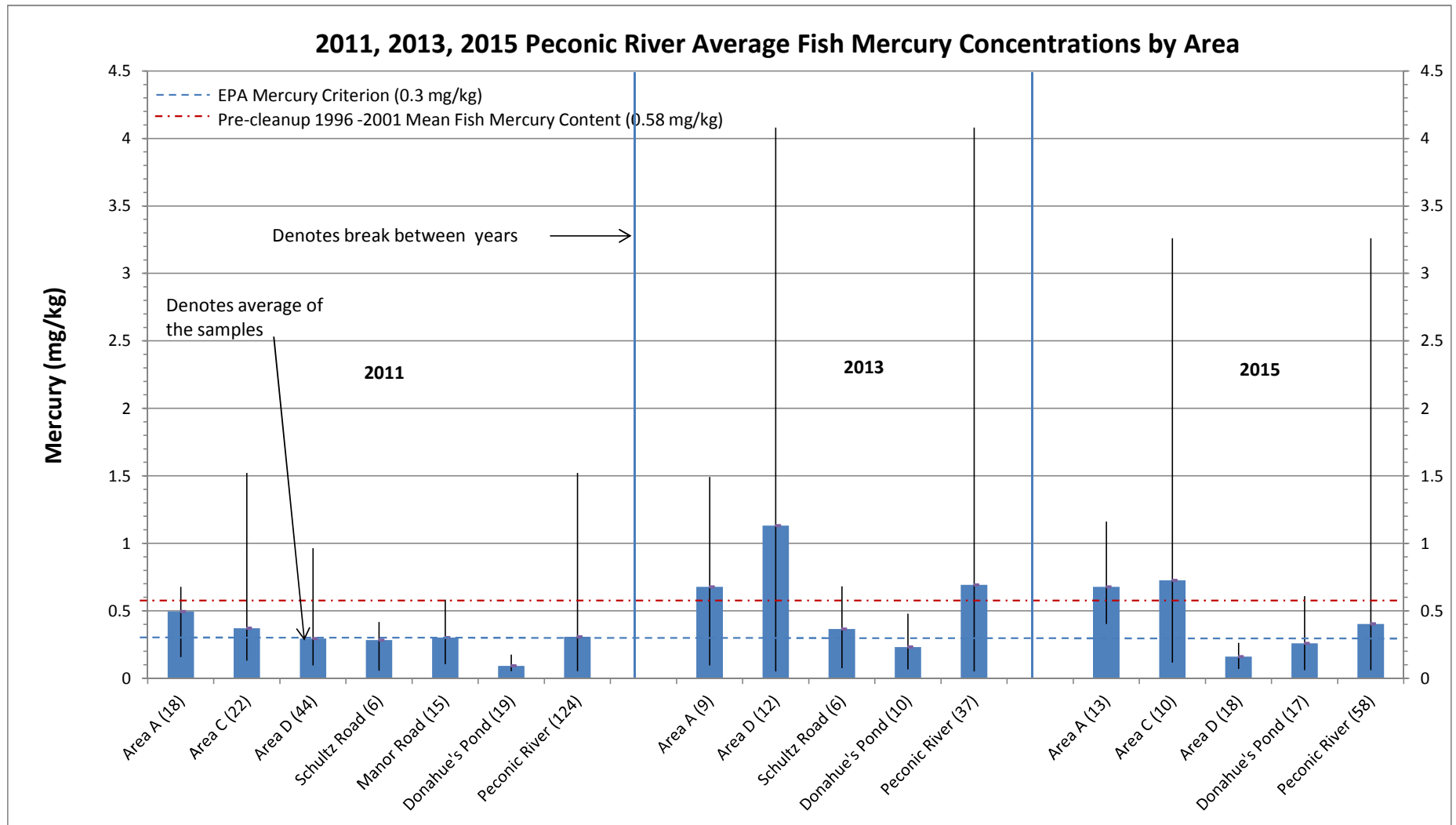
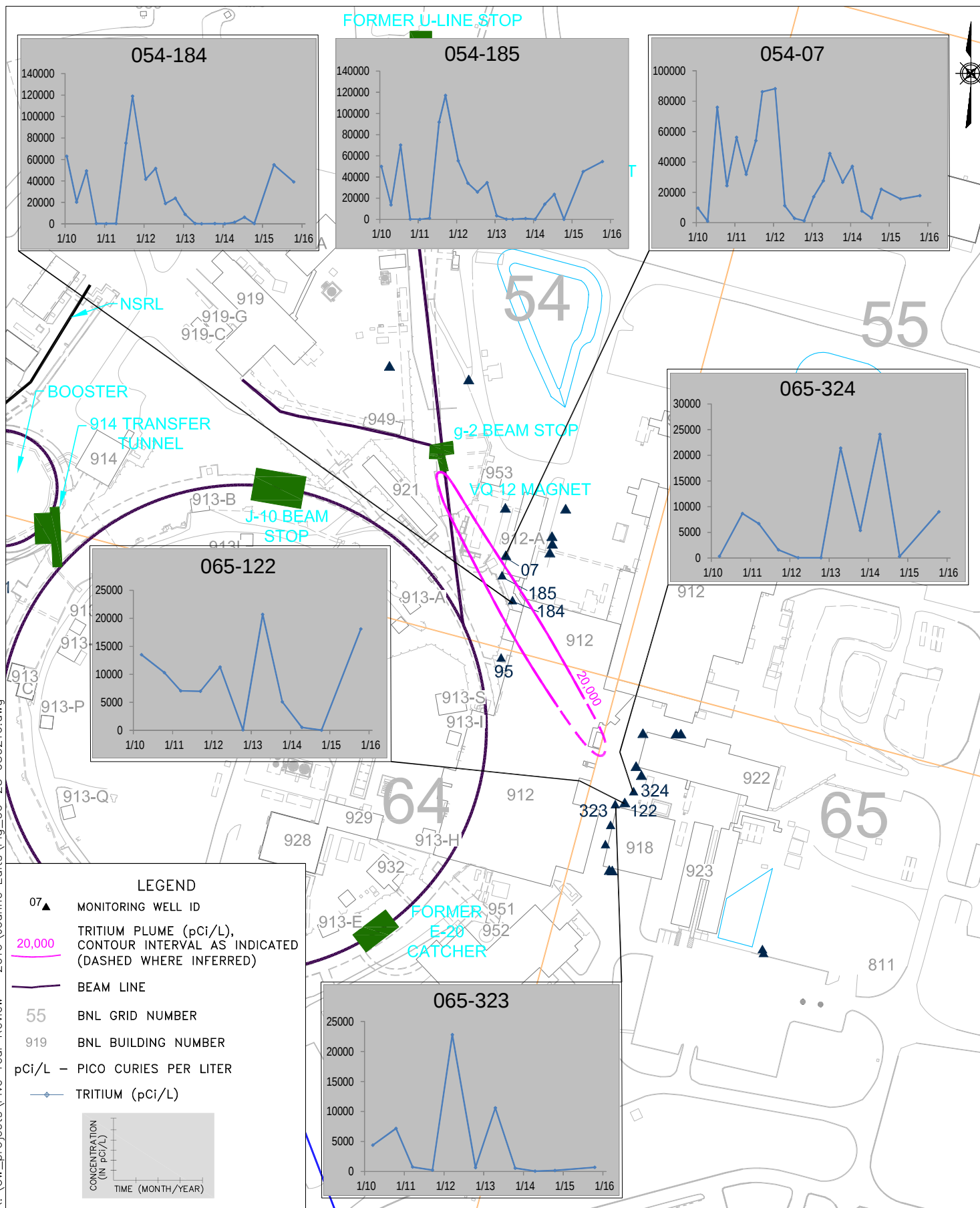


Figure 6-21



R:\Gw_projects\Five Year Review - 2016\Joanne Edits\Fig_06-23 050216.dwg



TITLE:

AOC 16T g-2
HISTORICAL TRITIUM TRENDS

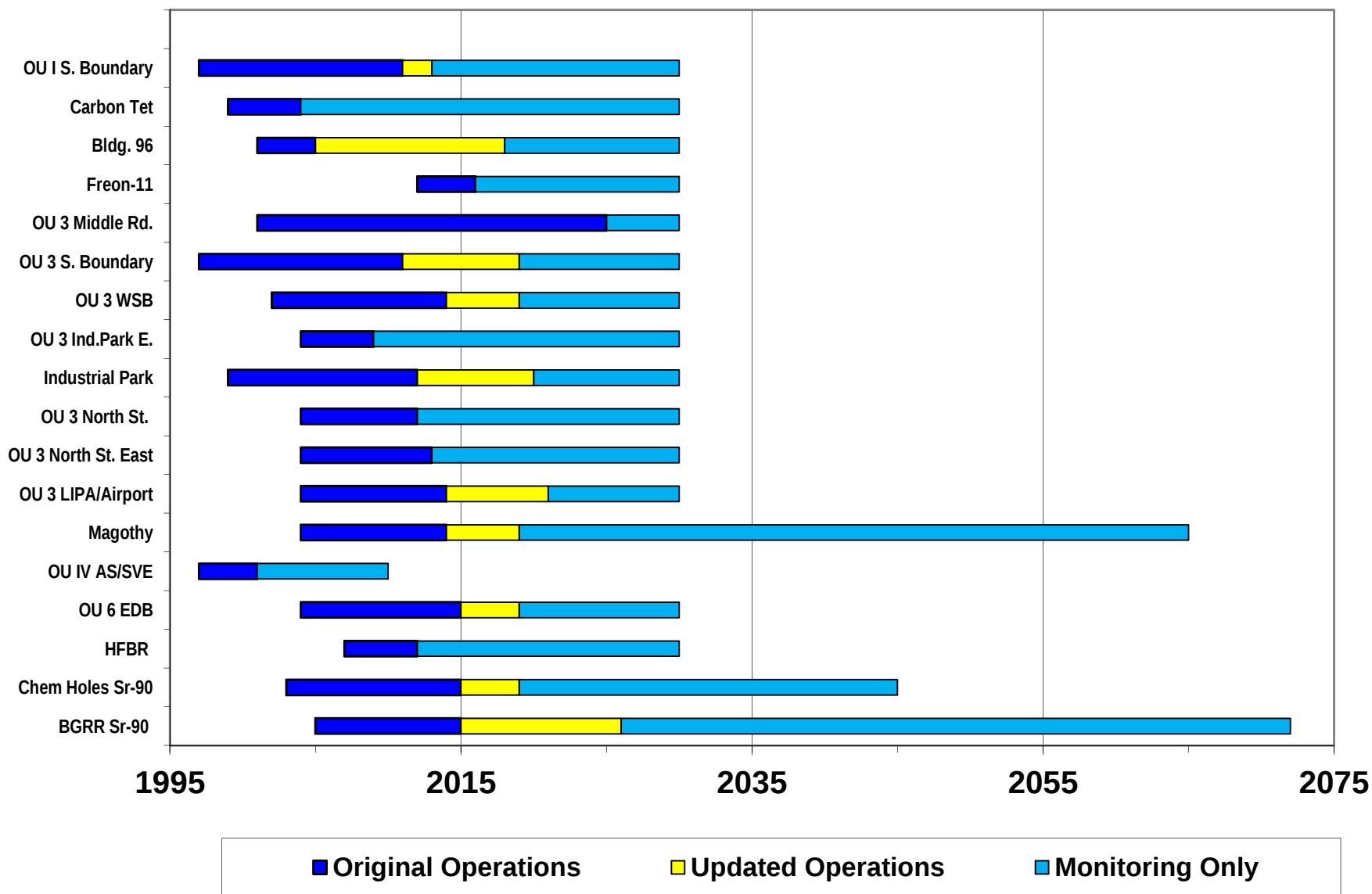
2015 BNL FIVE-YEAR REVIEW

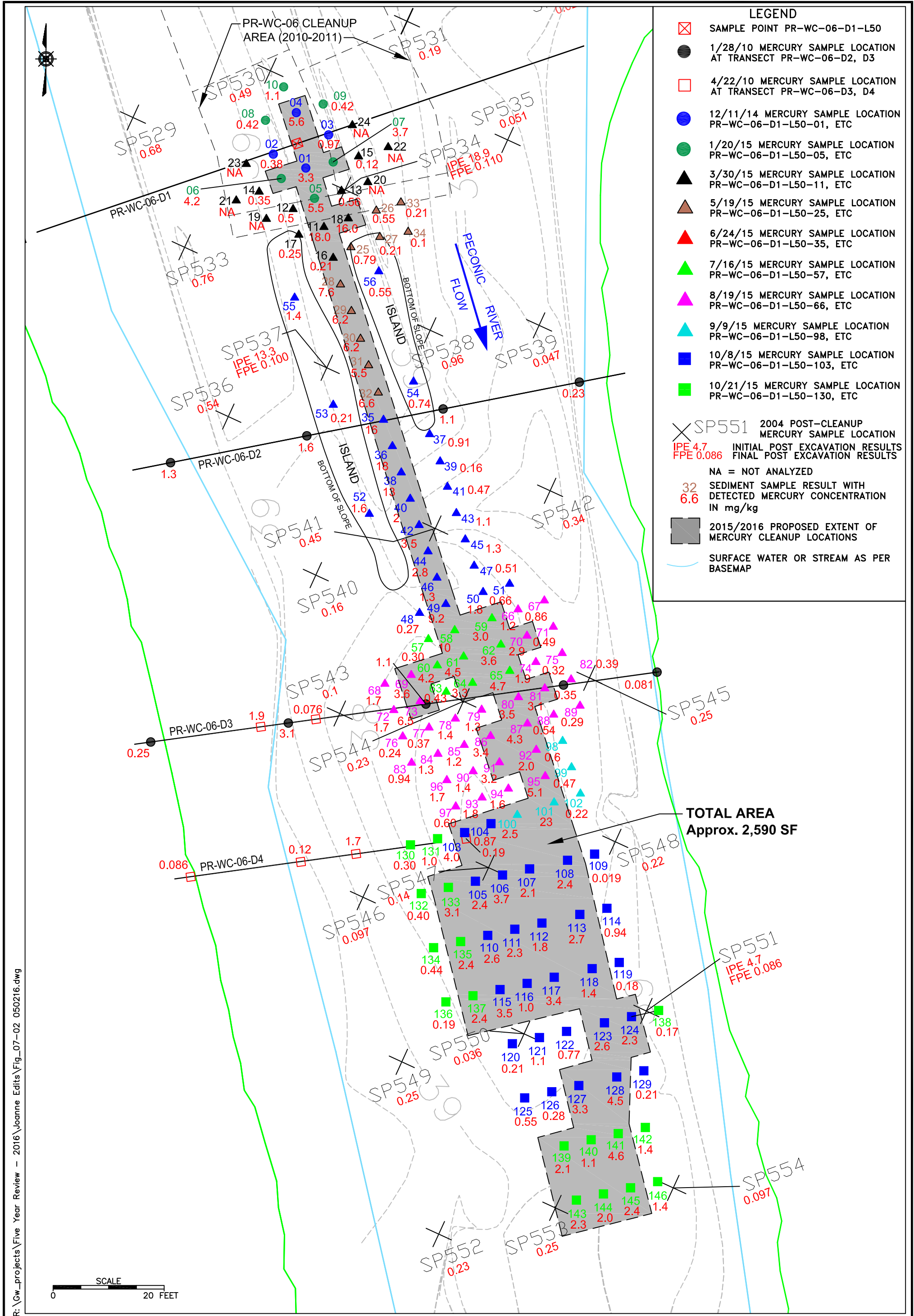
DWN:	VT: HZ.:	DATE:	PROJECT NO.:
AJZ	—	05/02/16	—
CHKD:	APPD:	REV.:	NOTES:
JEB	DEP	—	—

FIGURE NO.:

6-23

Figure 7-1
Groundwater Treatment System Status





R:\Gw_projects\Five Year Review - 2016\Joanne Edits\Fig_07-02 050216.dwg