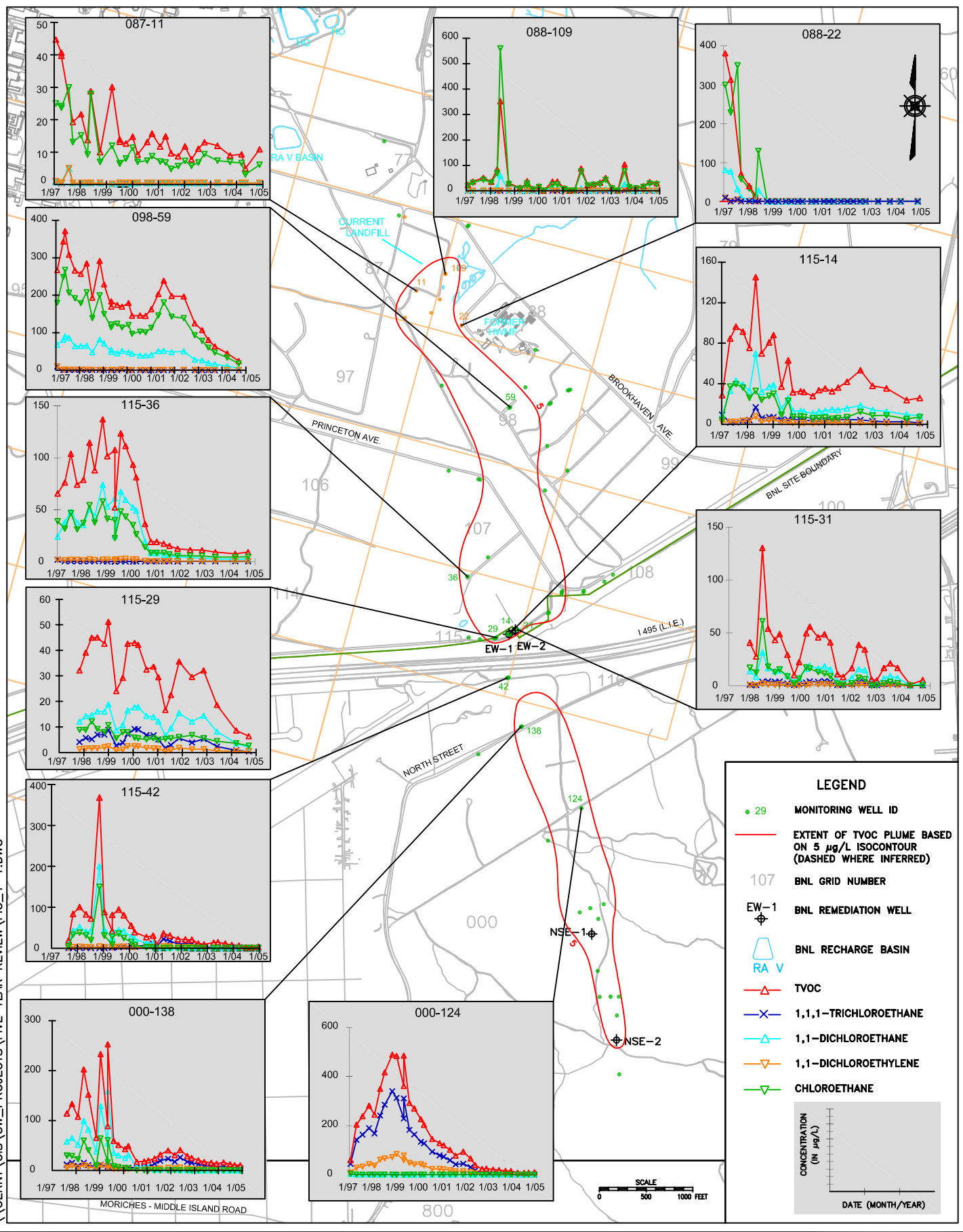


Attachment 1

Trend Figures for Key Groundwater Monitoring Wells

(Figures 1-1 through 1-14)

\\OERT\GIS\GW_PROJECTS\FIVE YEAR REVIEW\FIG_1-1.DWG

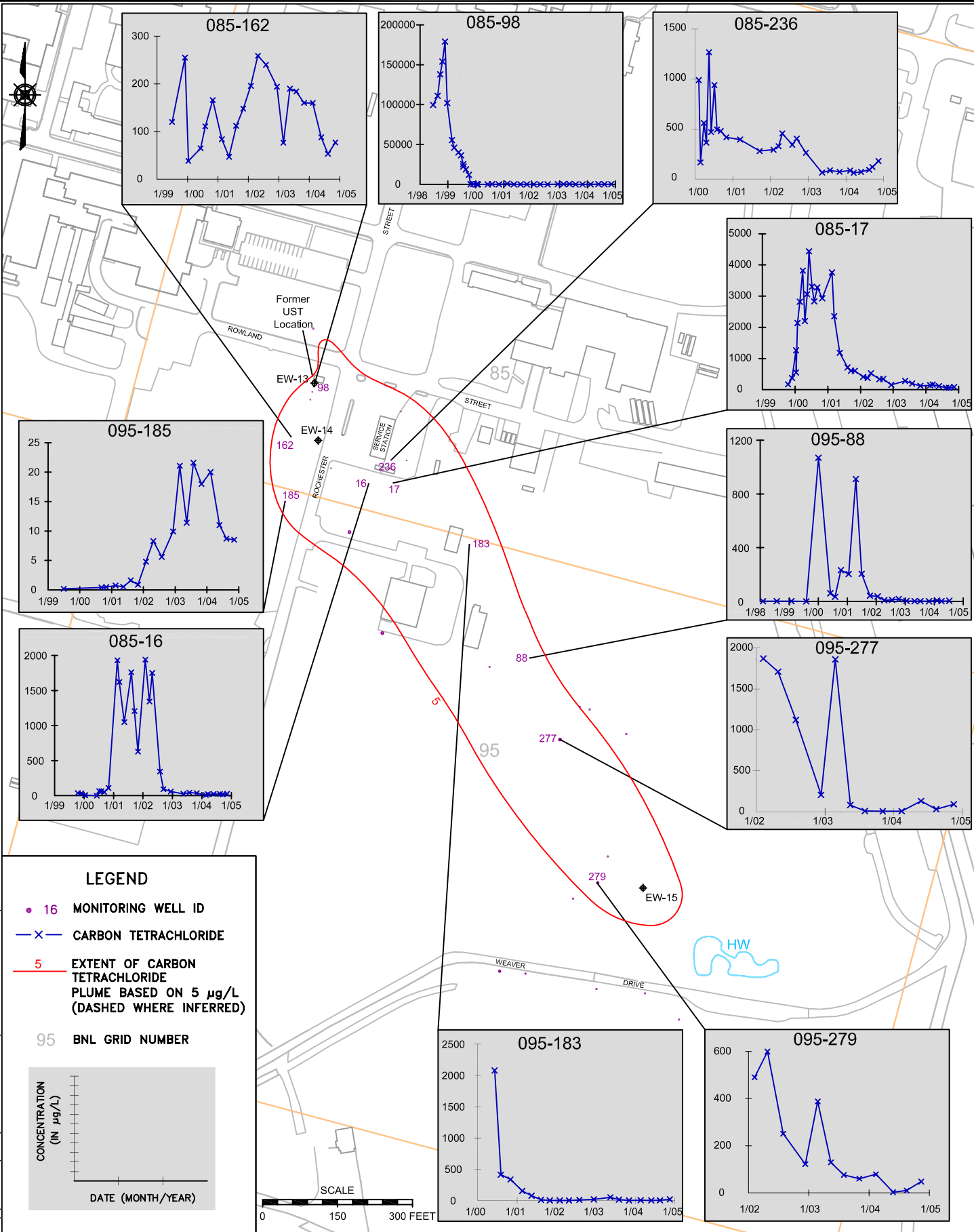


BROOKHAVEN
NATIONAL LABORATORY
EWMS DIVISION

TITLE:
OU I CURRENT LANDFILL/ SOUTH BOUNDARY/ NORTH STREET EAST HISTORICAL VOC TRENDS
BNL FIVE-YEAR REVIEW

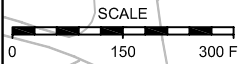
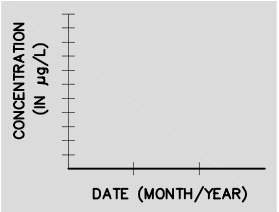
DWN: YS	VT:HZ.: -	DATE: 06/14/05	PROJECT NO.: 07926
CHKD: JEB	APPD: -	REV.: -	NOTES: -
FIGURE NO.:		1-1	

\\OERNT\GIS\GW_PROJECTS\FIVE YEAR REVIEW\FIG_1-2.DWG



LEGEND

- 16 MONITORING WELL ID
- x— CARBON TETRACHLORIDE
- 5 EXTENT OF CARBON TETRACHLORIDE PLUME BASED ON 5 µg/L (DASHED WHERE INFERRED)
- 95 BNL GRID NUMBER



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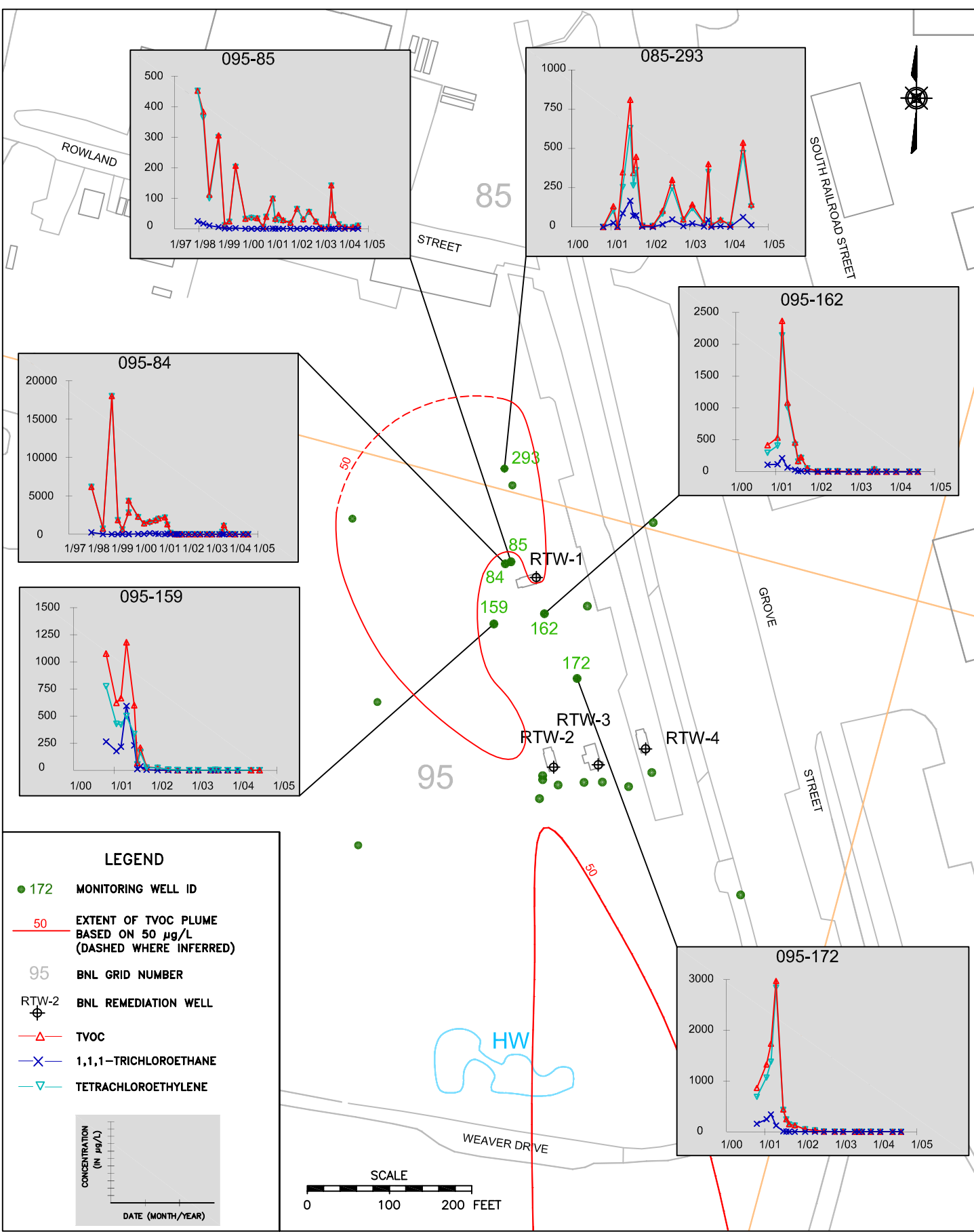
EWMS DIVISION

TITLE: **OU III CARBON TETRACHLORIDE HISTORICAL TRENDS**

BNL FIVE-YEAR REVIEW

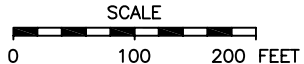
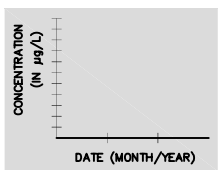
DWN: YS	VT:HZ.: —	DATE: 06/7/05	PROJECT NO.: 07926
CHKD: JEB	APPD: —	REV.: —	NOTES:
FIGURE NO.:			1-2

\\OERNT\GIS\GW_PROJECTS\FIVE YEAR REVIEW\FIG_1-3



LEGEND

- 172 MONITORING WELL ID
- 50 EXTENT OF TVOC PLUME BASED ON 50 µg/L (DASHED WHERE INFERRED)
- 95 BNL GRID NUMBER
- RTW-2 BNL REMEDIATION WELL
- △ TVOC
- × 1,1,1-TRICHLOROETHANE
- ▽ TETRACHLOROETHYLENE



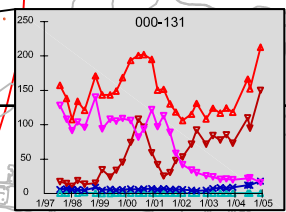
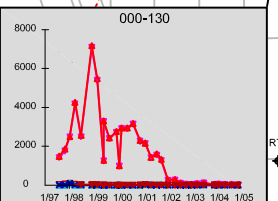
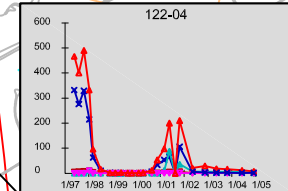
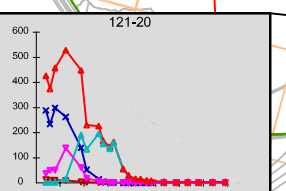
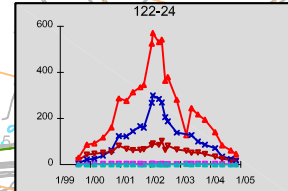
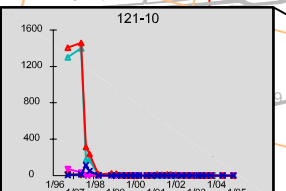
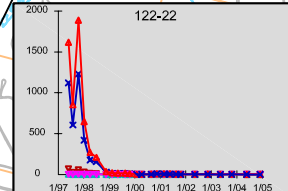
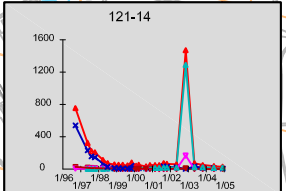
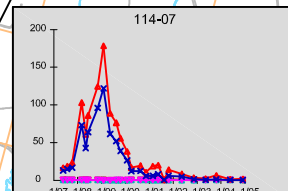
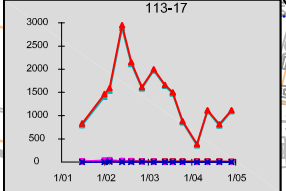
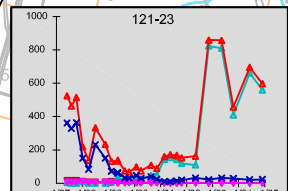
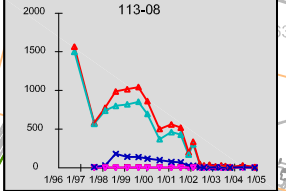
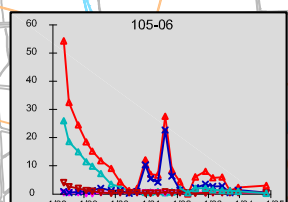
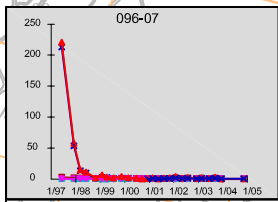
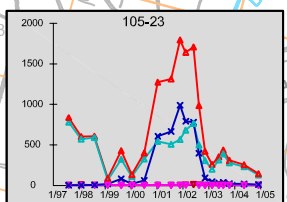
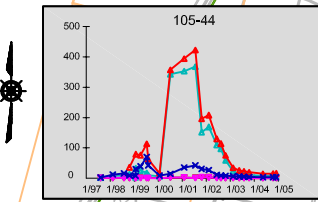
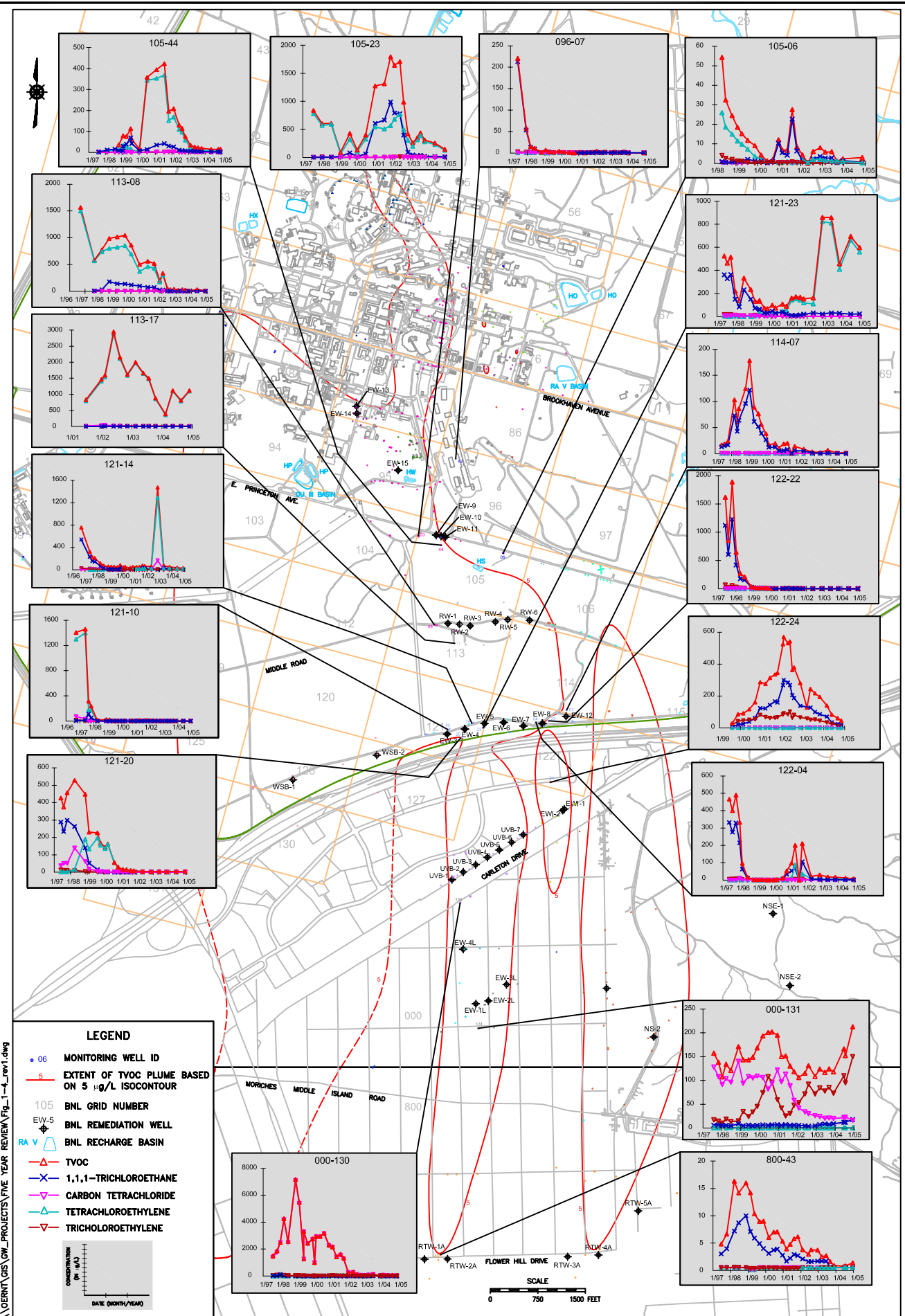
BROOKHAVEN
NATIONAL LABORATORY

EWMS DIVISION

TITLE: **OU III BUILDING 96 AREA HISTORICAL VOC TRENDS**

BNL FIVE-YEAR REVIEW

DWN: YS	VT:HZ.: -	DATE: 06/7/05	PROJECT NO.: 07926
CHKD: JEB	APPD: -	REV.: -	NOTES: -
FIGURE NO.:			1-3



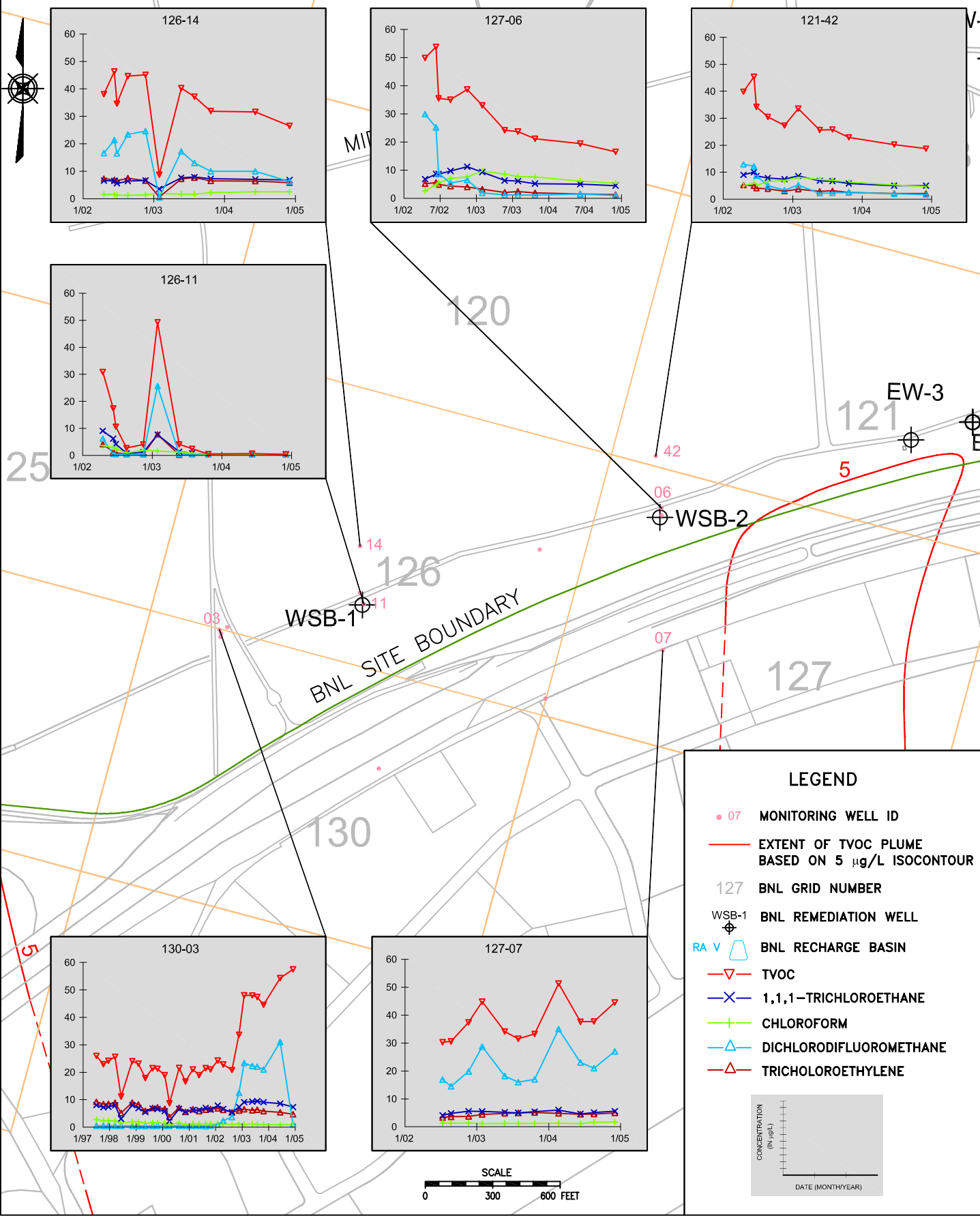
LEGEND

- 06 MONITORING WELL ID
- 5 EXTENT OF TVOC PLUME BASED ON 5 µg/L ISOCONTOUR
- 105 BNL GRID NUMBER
- EW-5 BNL REMEDIATION WELL
- RA V BNL RECHARGE BASIN
- △— TVOC
- X— 1,1,1-TRICHLOROETHANE
- ▽— CARBON TETRACHLORIDE
- ◇— TETRACHLOROETHYLENE
- ▽— TRICHLOROETHYLENE

SCALE
0 750 1500 FEET

D:\GERTY\GIS\GW_PROJECTS\FIVE_YEAR_REVIEW\Fig_1-4_rev1.dwg

\\OERNT\GIS\GW_PROJECTS\FIVE YEAR REVIEW\Fig_1-5_rev1.dwg



LEGEND

- 07 MONITORING WELL ID
- EXTENT OF TVOC PLUME BASED ON 5 µg/L ISOCONTOUR
- 127 BNL GRID NUMBER
- WSB-1 BNL REMEDIATION WELL
- RA V BNL RECHARGE BASIN
- ▽ TVOC
- × 1,1,1-TRICHLOROETHANE
- + CHLOROFORM
- △ DICHLORODIFLUOROMETHANE
- △ TRICHLOROETHYLENE

CONCENTRATION (IN µg/L)

DATE (MONTH/YEAR)

BROOKHAVEN
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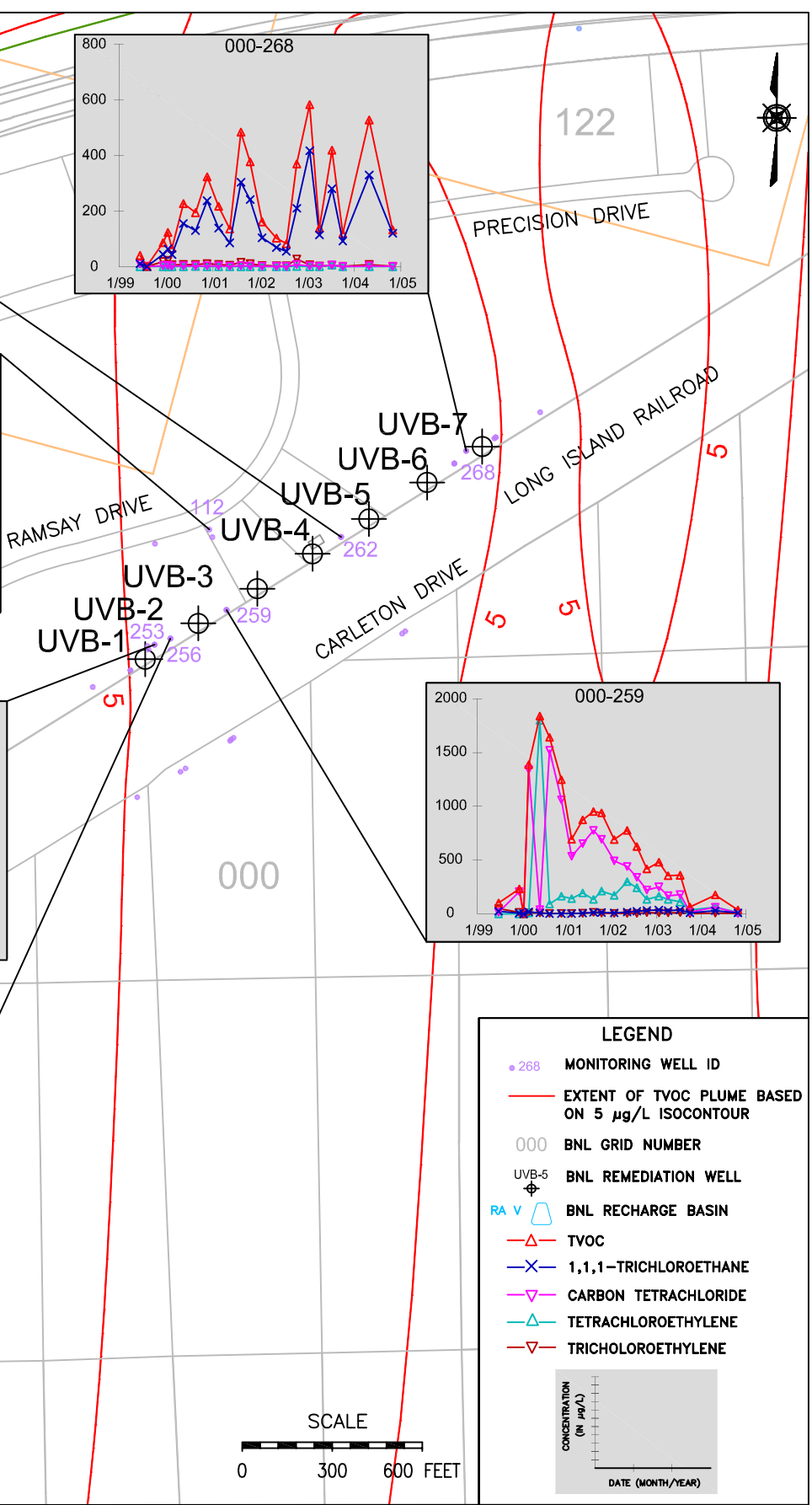
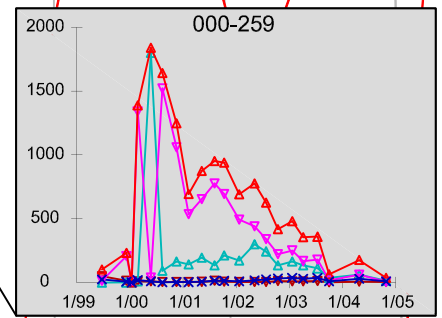
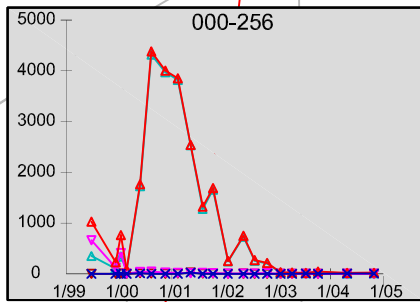
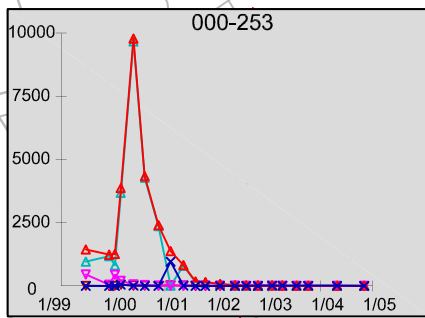
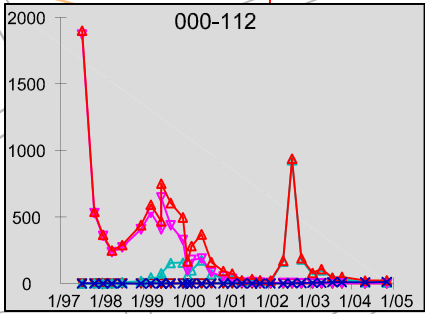
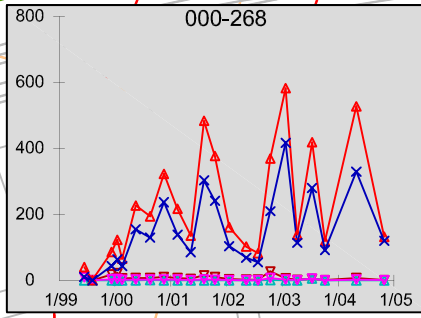
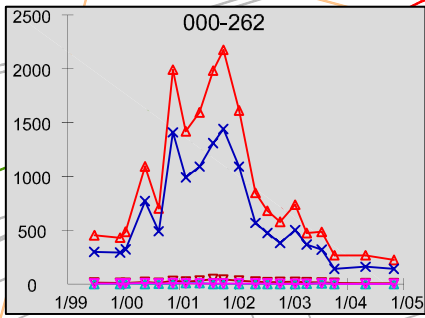
EWMS DIVISION

TITLE:
**OU III WESTERN SOUTH BOUNDARY
HISTORIC VOC TRENDS**

BNL FIVE-YEAR REVIEW

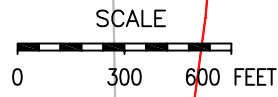
DWN: YS	VT.HZ.: -	DATE: 06/14/05	PROJECT NO.: 07926
CHKD: JEB	APPD: WRD	REV.: -	NOTES: -
FIGURE NO.:			1-5

\\OERNT\GIS\GW_PROJECTS\FIVE_YEAR_REVIEW\Fig_1-6_rev1.dwg



LEGEND

- 268 MONITORING WELL ID
- EXTENT OF TVOC PLUME BASED ON 5 µg/L ISOCONTOUR
- 000 BNL GRID NUMBER
- UVB-5 BNL REMEDIATION WELL
- RA V BNL RECHARGE BASIN
- △— TVOC
- X— 1,1,1-TRICHLOROETHANE
- ▽— CARBON TETRACHLORIDE
- △— TETRACHLOROETHYLENE
- ▽— TRICHLOROETHYLENE

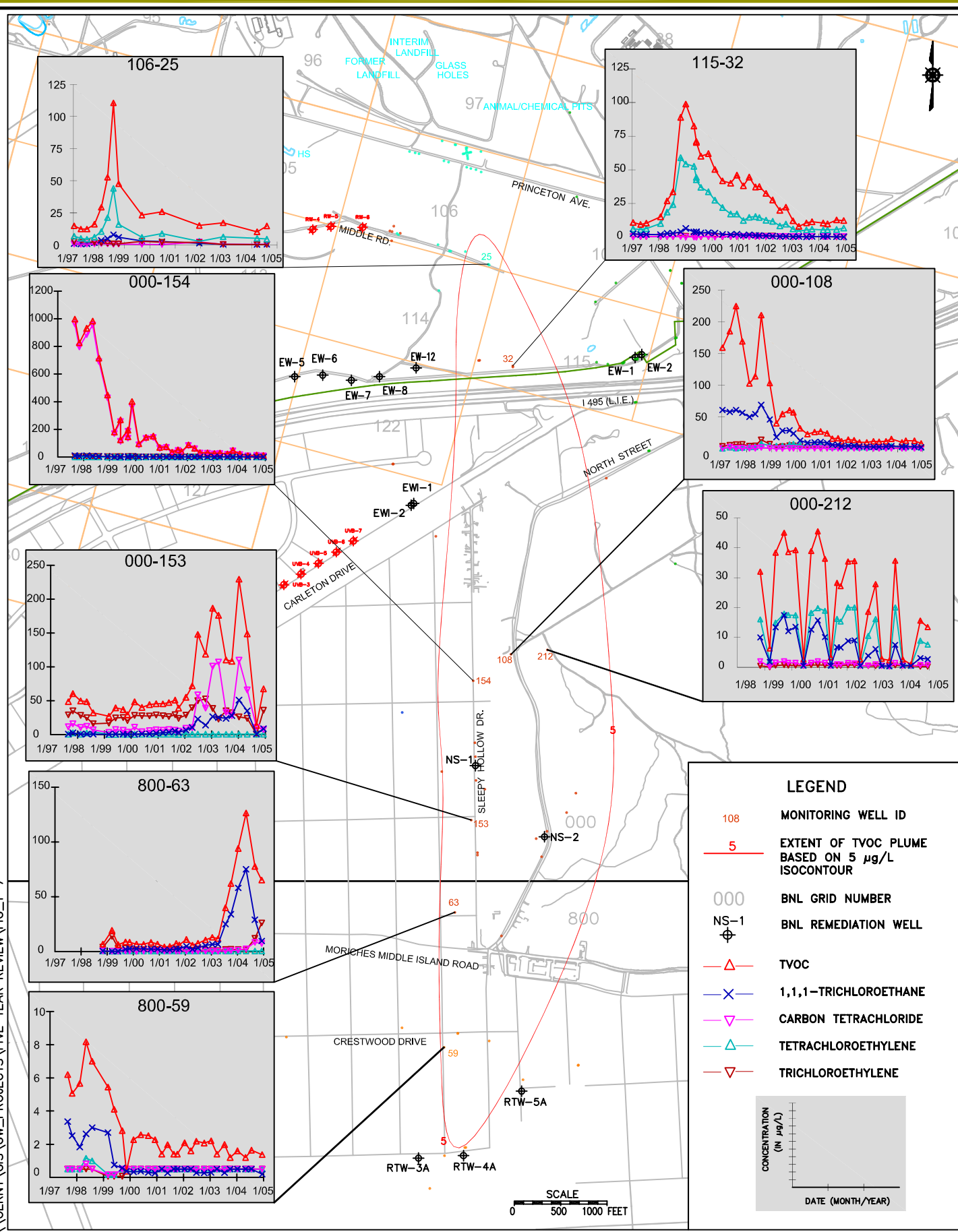


BROOKHAVEN
NATIONAL LABORATORY

EWMS DIVISION

TITLE:
**OU III INDUSTRIAL PARK
HISTORICAL VOC TRENDS**
BNL FIVE-YEAR REVIEW

DWN: YS	VT:HZ.: —	DATE: 06/14/05	PROJECT NO.: 07926
CHKD: JEB	APPD: WRD	REV.: —	NOTES: —
FIGURE NO.:			1-6

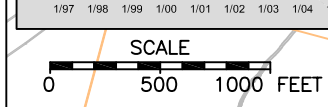
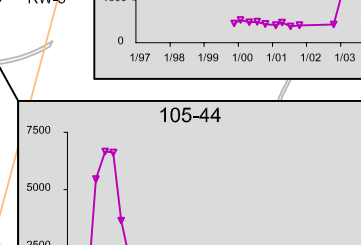
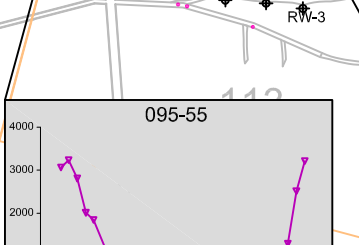
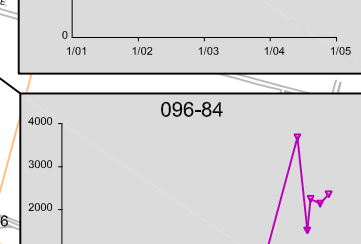
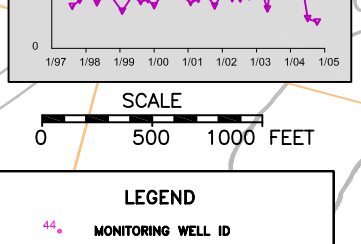
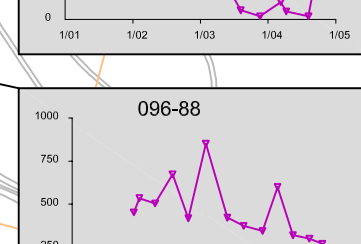
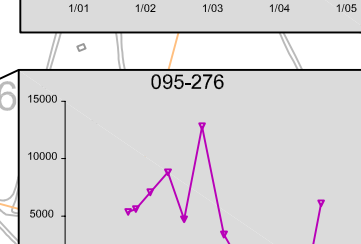
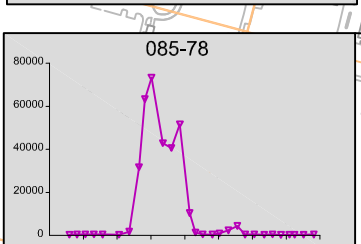
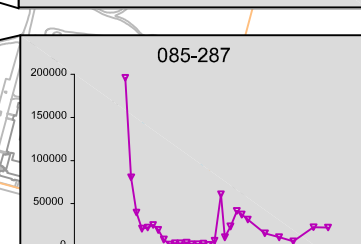
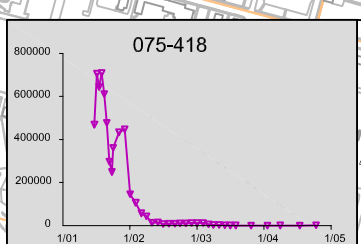
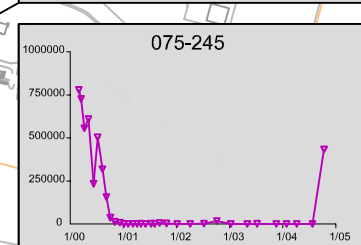
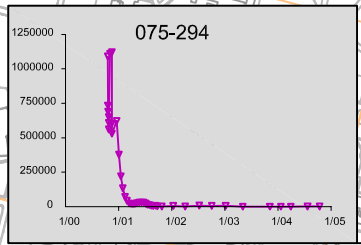
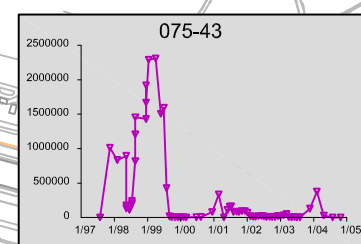
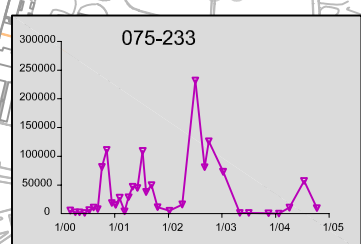
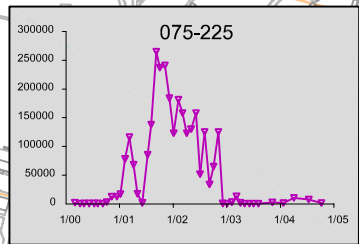
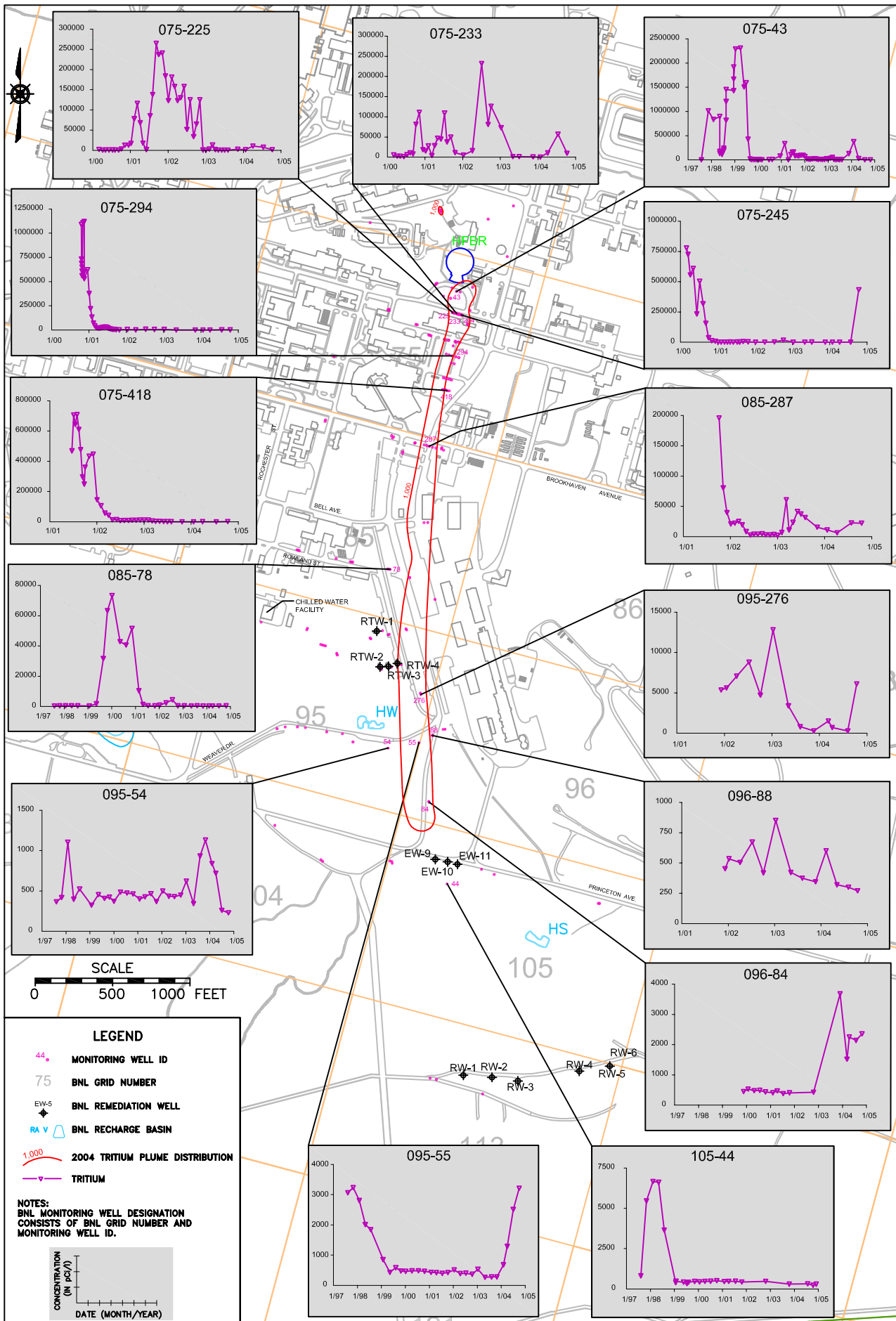


BROOKHAVEN
NATIONAL LABORATORY

EWMS DIVISION

TITLE:
NORTH STREET (OU I/IV FORMER LANDFILL,
ANIMAL/CHEMICAL PITS AND GLASS HOLES)
HISTORICAL VOC TRENDS
BNL FIVE-YEAR REVIEW

DWN: YS	VT.HZ.: -	DATE: 06/7/05	PROJECT NO.: 07926
CHKD: JEB	APPD: -	REV.: -	NOTES: -
FIGURE NO.:			1-7



LEGEND

- ◆ MONITORING WELL ID
- 75 BNL GRID NUMBER
- ◆ BNL REMEDIATION WELL
- RA BNL RECHARGE BASIN
- 2004 TRITIUM PLUME DISTRIBUTION
- TRITIUM

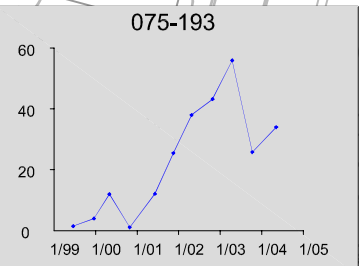
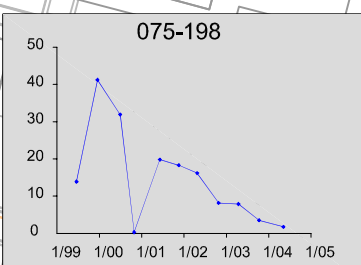
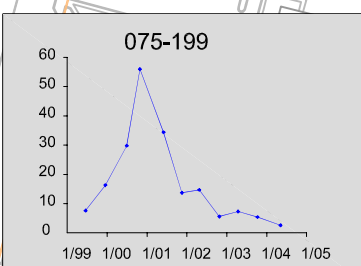
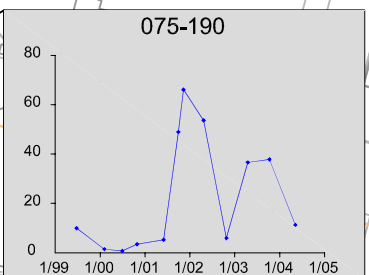
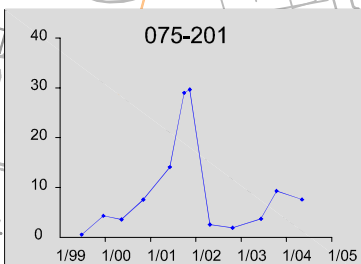
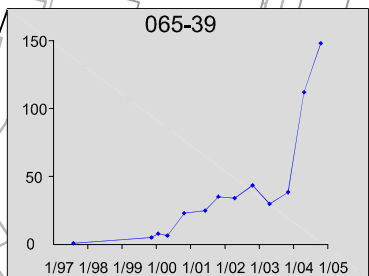
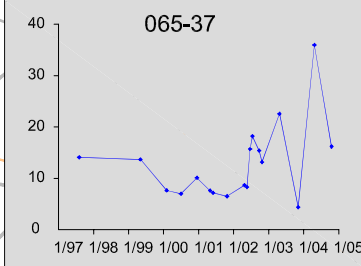
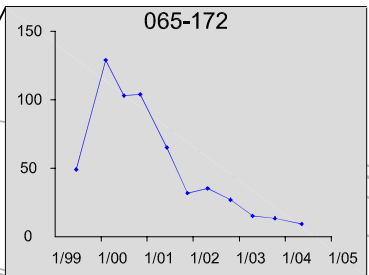
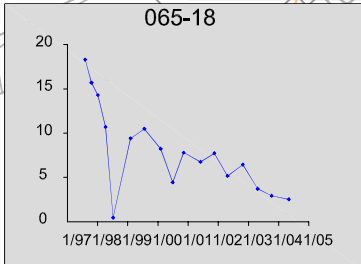
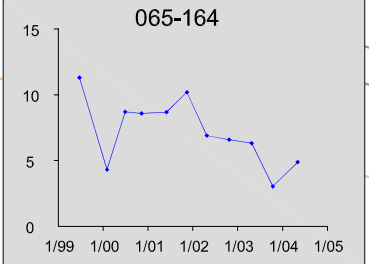
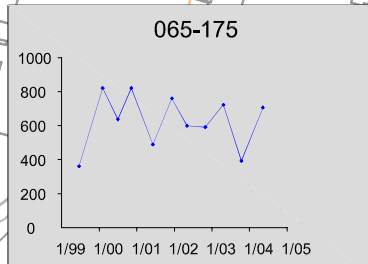
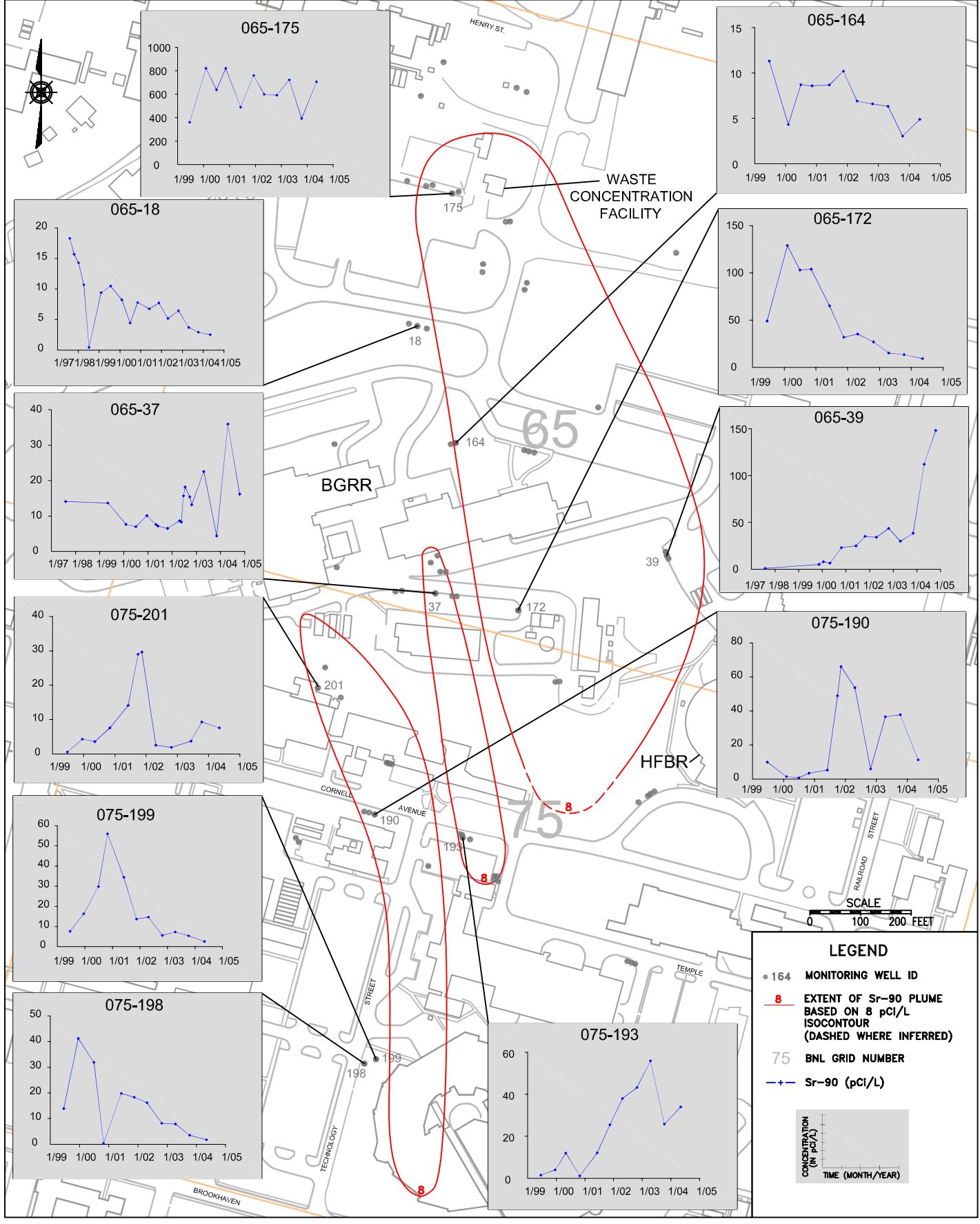
NOTES:
BNL MONITORING WELL DESIGNATION CONSISTS OF BNL GRID NUMBER AND MONITORING WELL ID.

CONCENTRATION (IN pCi/l)

DATE (MONTH/YEAR)

\\GERT\GIS\GW_PROJECTS\FIVE_YEAR_REVIEW\FIG_1-8.DWG

\\OERN\GIS\GW_PROJECTS\FIVE_YEAR_REVIEW\FIG_1-9.DWG



LEGEND

- 164 MONITORING WELL ID
- 8 EXTENT OF Sr-90 PLUME BASED ON 8 pCi/L ISOCONTOUR (DASHED WHERE INFERRED)
- 75 BNL GRID NUMBER
- + Sr-90 (pCi/L)

CONCENTRATION (IN pCi/L)
TIME (MONTH/YEAR)

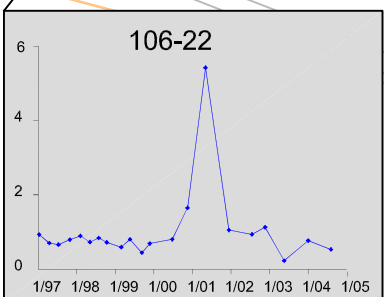
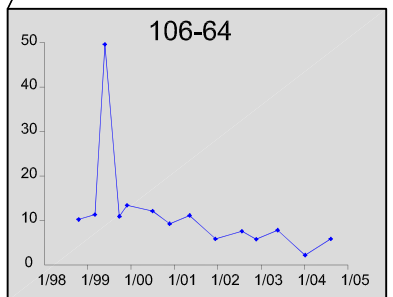
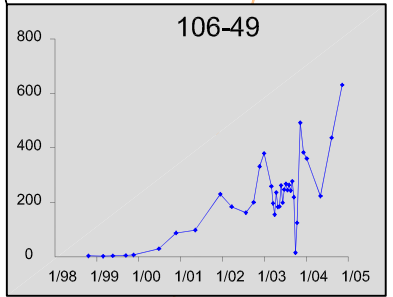
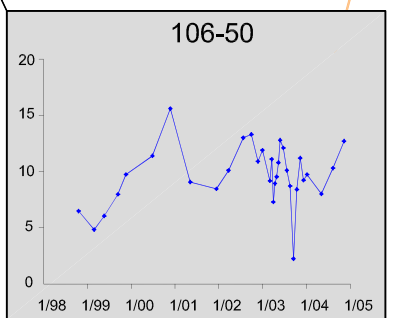
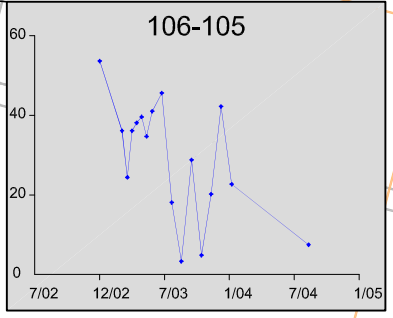
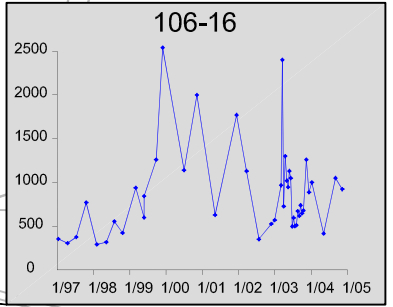
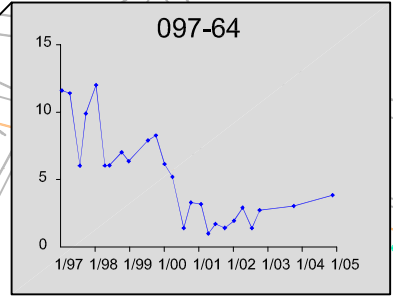
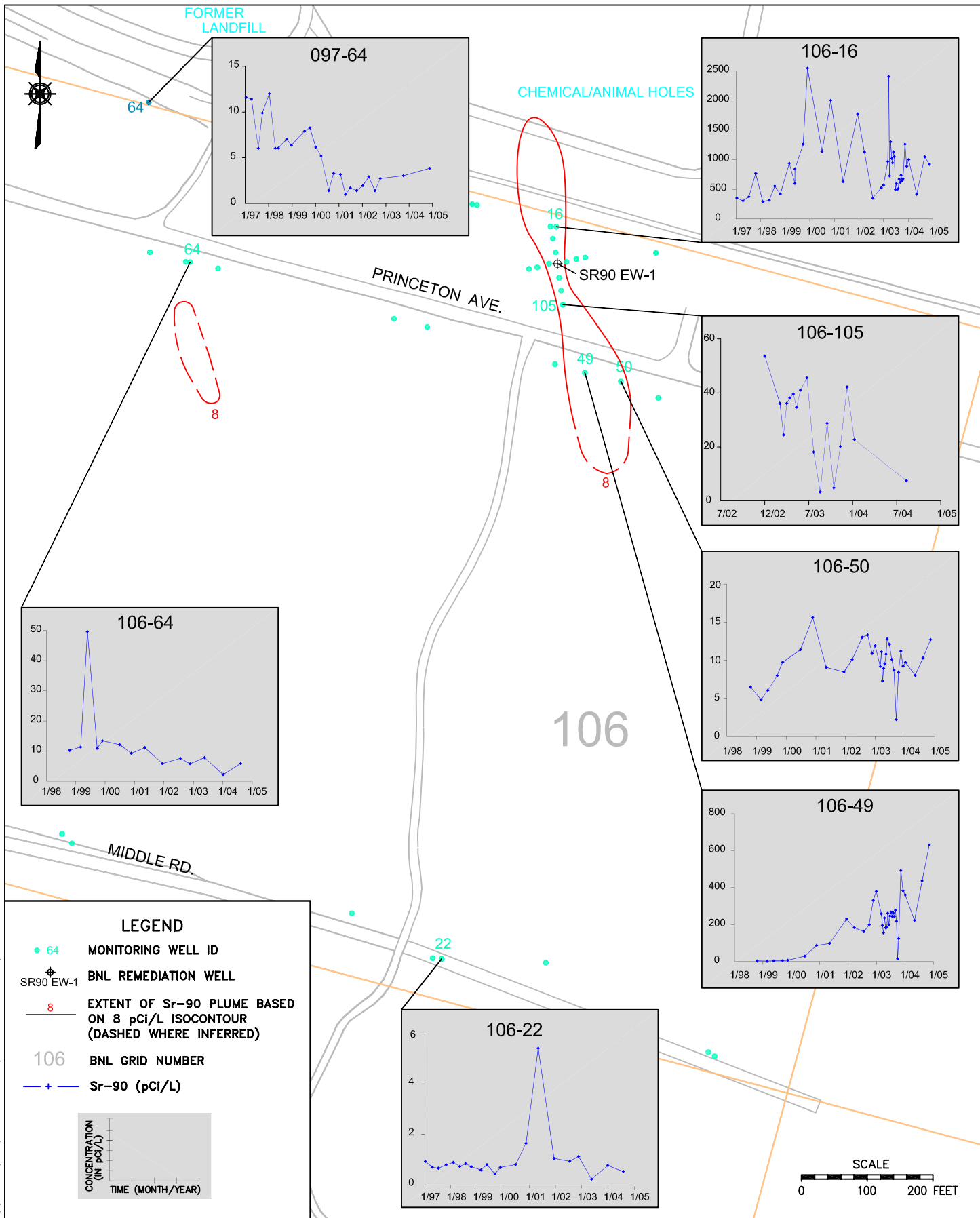
BROOKHAVEN
NATIONAL LABORATORY

EWMS DIVISION

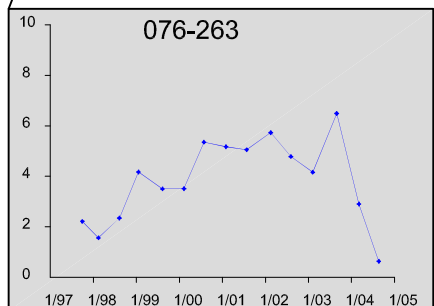
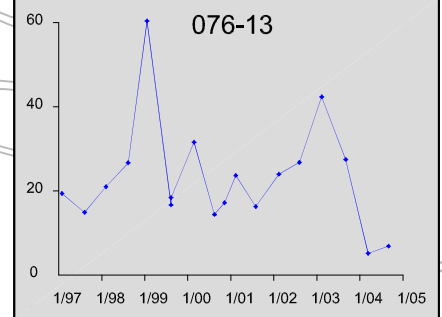
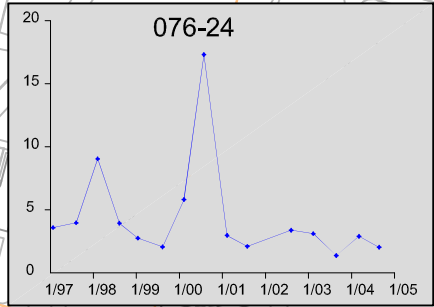
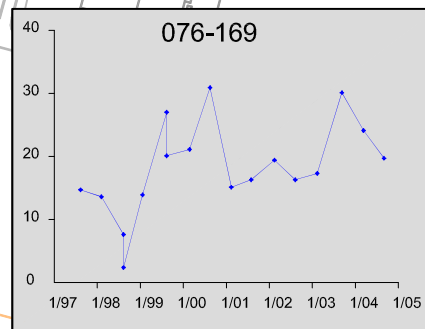
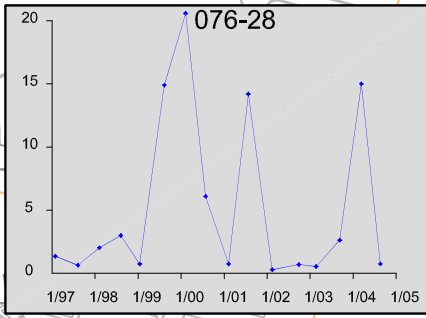
TITLE:
**OU III BGRR/WCF
HISTORICAL Sr-90 TRENDS
BNL FIVE-YEAR REVIEW**

DWN: YS	VT: HZ.: -	DATE: 06/8/05	PROJECT NO.: 07926
CHKD: JEB	APPD: -	REV.: -	NOTES: -
FIGURE NO.:			1-9

\\OERMT\GIS\GW_PROJECTS\FIVE_YEAR_REVIEW\FIG_1-10.DWG

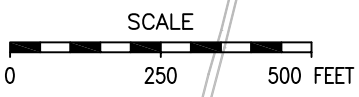


\\OERNT\GIS\GW_PROJECTS\FIVE YEAR REVIEW\FIG_1-11.DWG



LEGEND

- 263 MONITORING WELL ID
- 86 BNL GRID NUMBER
- 8 EXTENT OF Sr-90 PLUME BASED ON 8 pCi/L ISOCONTOUR (DASHED WHERE INFERRED)
- +- STRONTIUM-90 (pCi/L)



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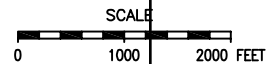
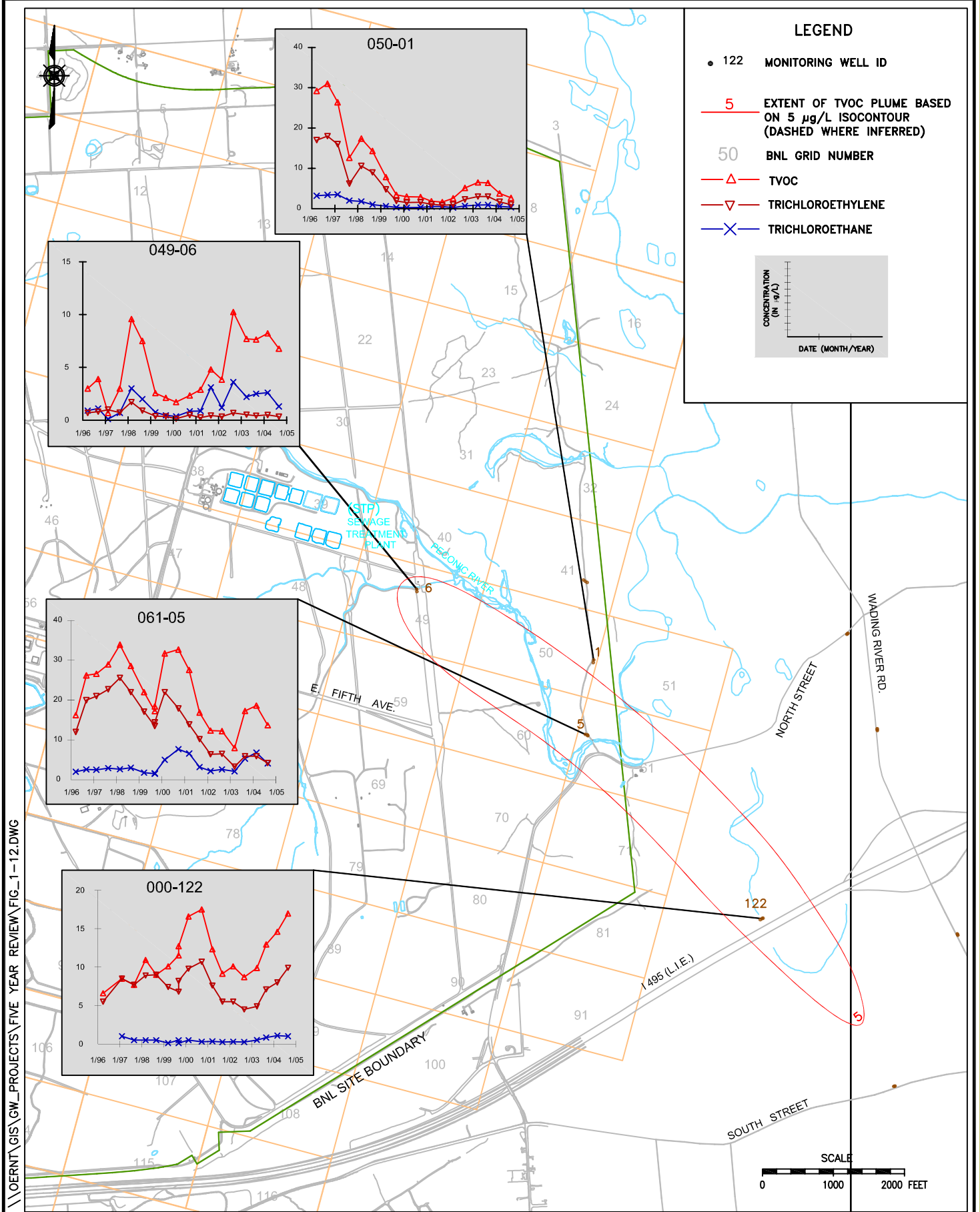
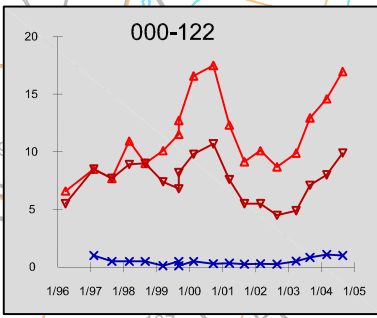
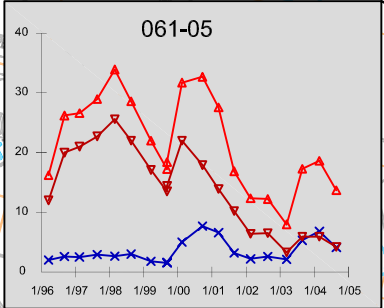
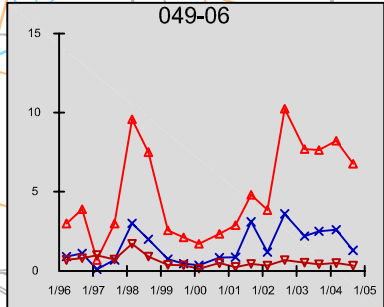
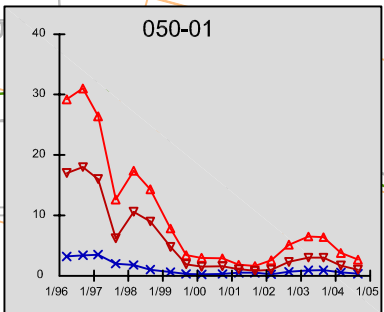
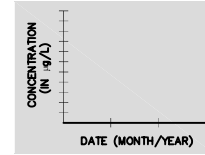
EWMS DIVISION

TITLE:
**OU IV AOC 6
HISTORICAL Sr-90 TRENDS**
BNL FIVE-YEAR REVIEW

DWN: SRW	VT.HZ.: -	DATE: 06/7/05	PROJECT NO.: 07926
CHKD: JEB	APPD: -	REV.: -	NOTES: -
FIGURE NO.:			1-11

LEGEND

- 122 MONITORING WELL ID
- 5 EXTENT OF TVOC PLUME BASED ON 5 µg/L ISOCONTOUR (DASHED WHERE INFERRED)
- 50 BNL GRID NUMBER
- △ TVOC
- ▽ TRICHLOROETHYLENE
- × TRICHLOROETHANE



\\OERNT\GIS\GW_PROJECTS\FIVE_YEAR_REVIEW\FIG_1-12.DWG

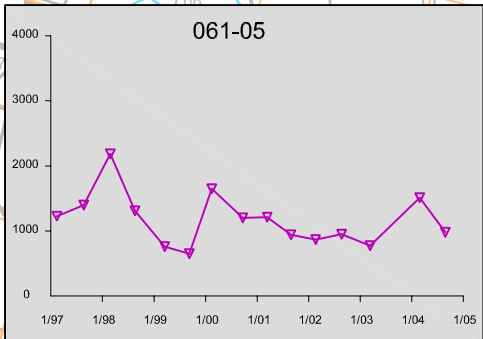
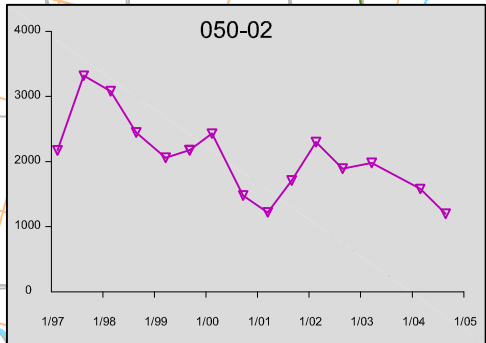
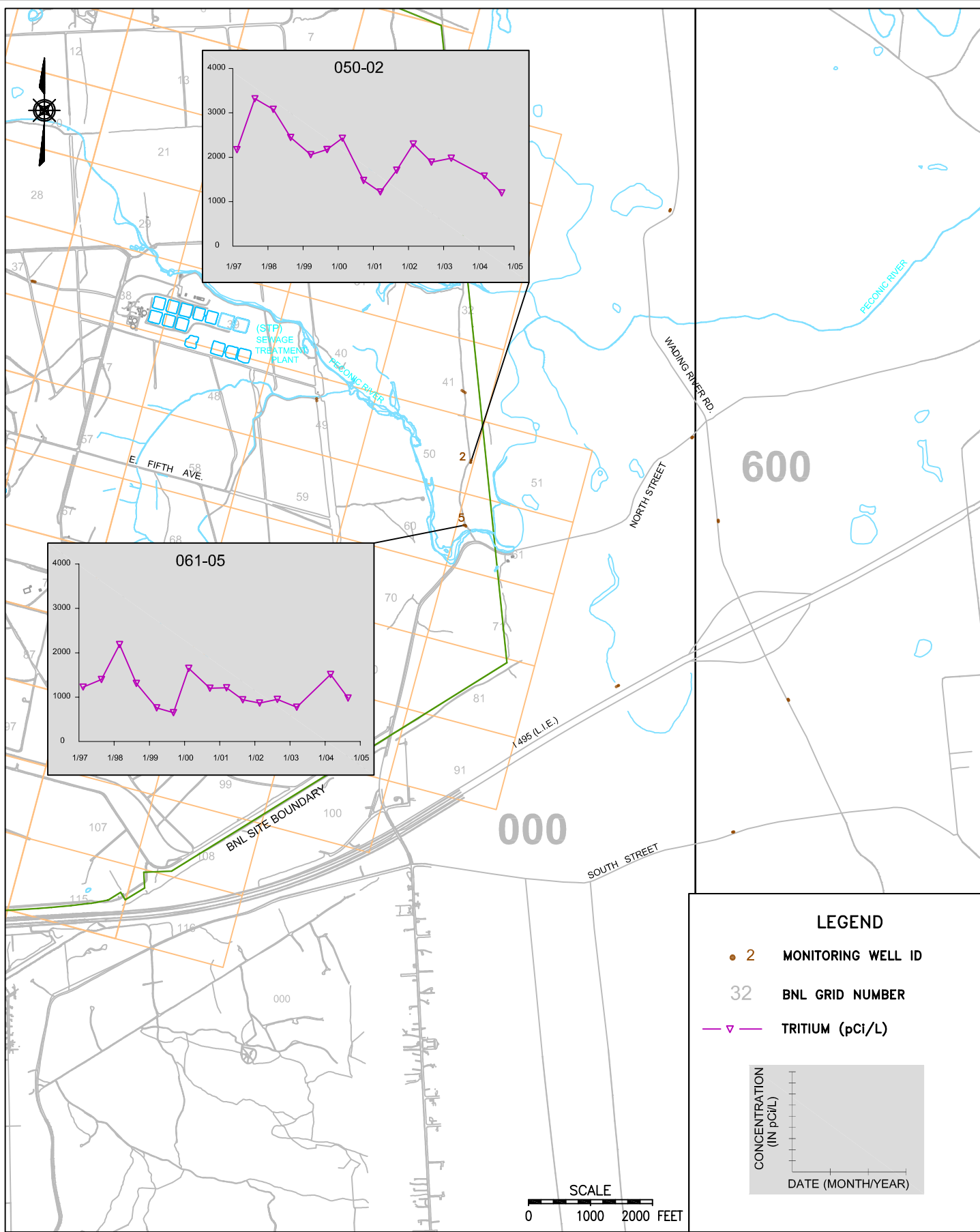
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EWMS DIVISION

TITLE:
**OU V SEWAGE TREATMENT PLANT
HISTORICAL VOC TRENDS**
BNL FIVE-YEAR REVIEW

DWN: YS	VT:HZ.: -	DATE: 06/7/05	PROJECT NO.: 07926
CHKD: JEB	APPD: -	REV.: -	NOTES: -
FIGURE NO.:		1-12	

\\OERNT\GIS\GW_PROJECTS\FIVE YEAR REVIEW\FIG_1-13.DWG



LEGEND

- 2 MONITORING WELL ID
- 32 BNL GRID NUMBER
- ▽ TRITIUM (pCi/L)

CONCENTRATION (IN pCi/L)

DATE (MONTH/YEAR)

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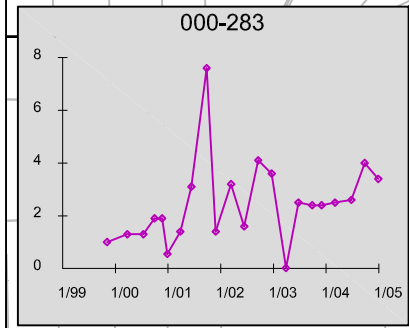
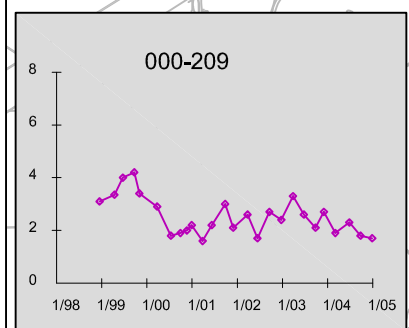
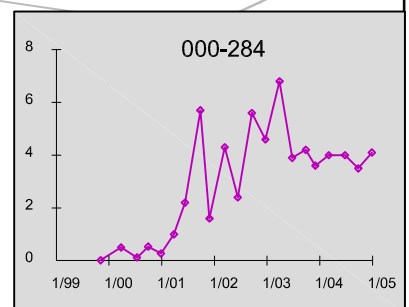
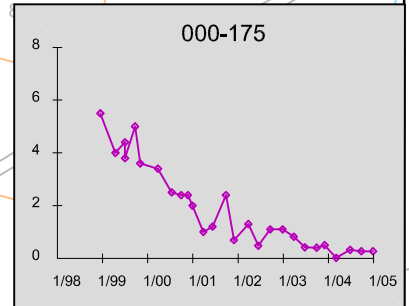
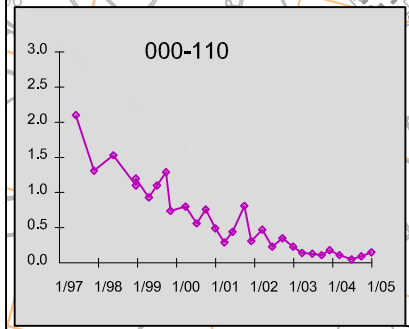
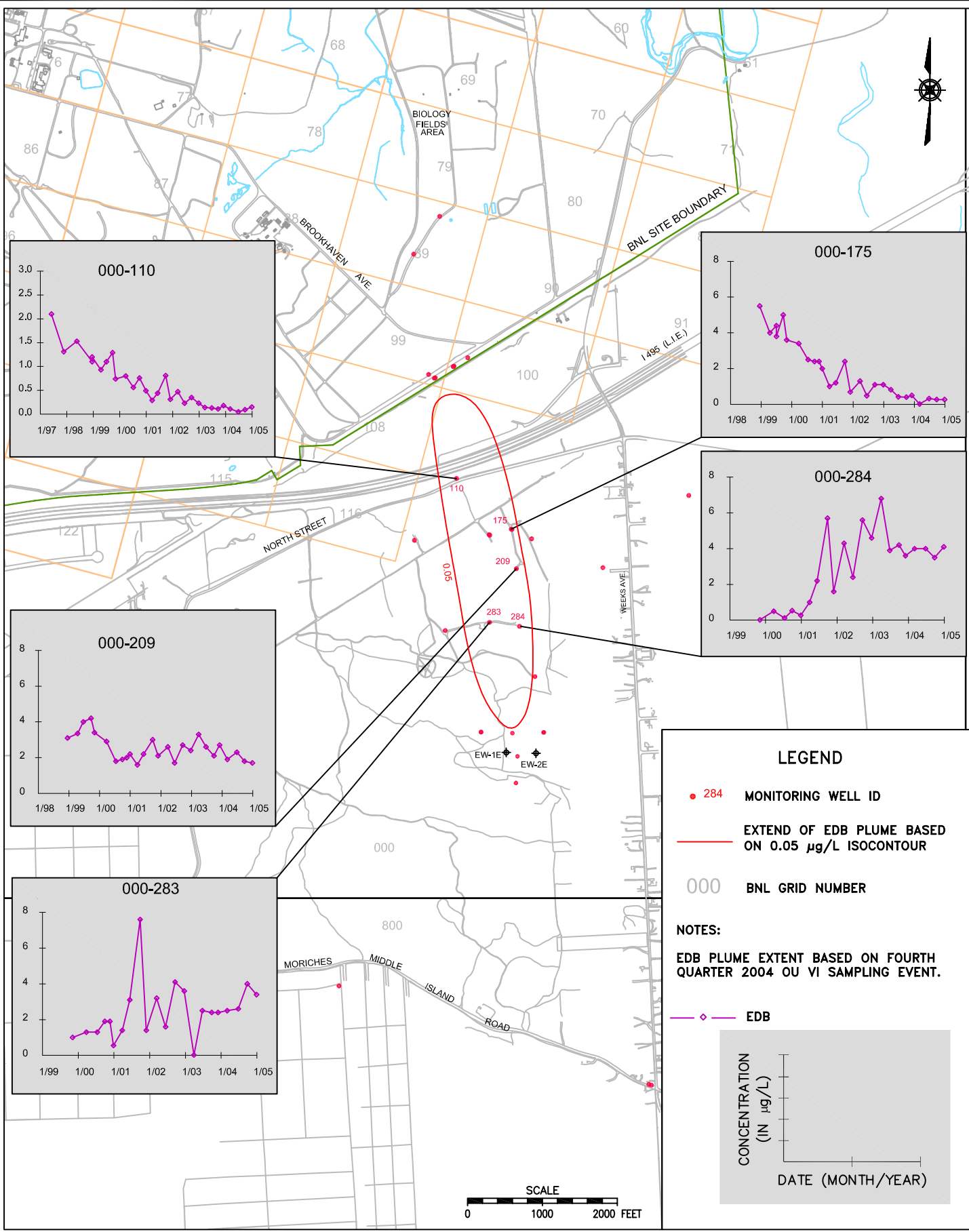
EWMS DIVISION

TITLE:
**OU V SEWAGE TREATMENT PLANT
HISTORICAL TRITIUM TRENDS**

BNL FIVE-YEAR REVIEW

DWN: SRW	VT: HZ.: —	DATE: 06/8/05	PROJECT NO.: 07926
CHKD: JEB	APPD: —	REV.: —	NOTES: —
FIGURE NO.:			1-13

\\OERNT\GIS\GW_PROJECTS\FIVE YEAR REVIEW\FIG_1-14.DWG



LEGEND

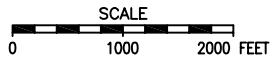
- 284 MONITORING WELL ID
- EXTEND OF EDB PLUME BASED ON 0.05 µg/L ISOCONTOUR
- 000 BNL GRID NUMBER

NOTES:
EDB PLUME EXTENT BASED ON FOURTH QUARTER 2004 OU VI SAMPLING EVENT.

—◇— EDB

CONCENTRATION (IN µg/L)

DATE (MONTH/YEAR)



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EWMS DIVISION

TITLE:

OU VI HISTORICAL EDB TRENDS

BNL FIVE-YEAR REVIEW

DWN: SRW	VT.HZ.: —	DATE: 06/8/05	PROJECT NO.: 07926
CHKD: JEB	APPD: —	REV.: —	NOTES: —
FIGURE NO.:			1-14