APPENDIX A PLATFORM FIGURES

Test Run Data Collection and Modeling Report

for the

Dissolved Oxygen Facility Environmental Testing

for the

Savannah Harbor Expansion Project

Contract# W912HN-15-D-0023
Tasks: 07 and 08
August 15, 2019

PREPARED FOR

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A.1 DEFINITIONS AND LOCATION MAPS

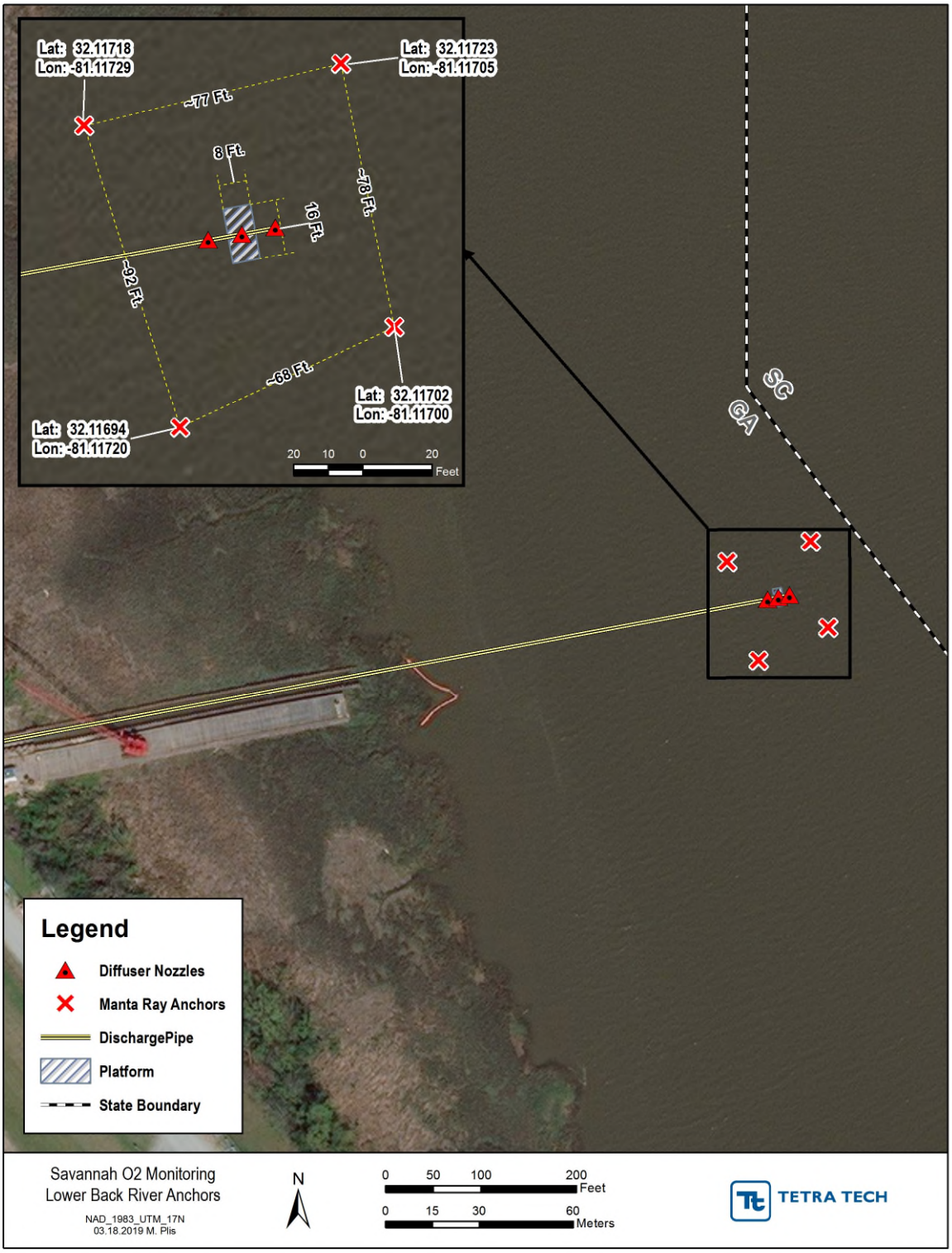


Figure A-1 Location of platform on the Back River

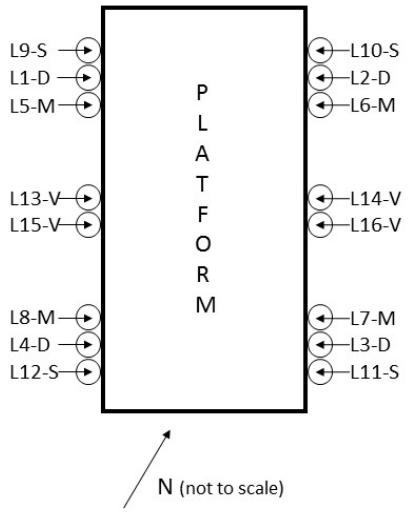


Figure A-2 Data sonde locations on the Back River platform

Table A-1 Data sondes used on the platform for test run sampling

Sonde ID	Location on the platform	Description	Deployment Period
L10-S	Northeast	Shallow sonde	March 14, 2019 to May 13, 2019
L6-M	Northeast	Mid-depth sonde	March 14, 2019 to May 13, 2019
L2-D	Northeast	Deep sonde	March 14, 2019 to April 16, 2019
L9-S	Northwest	Shallow sonde	March 14, 2019 to May 13, 2019
L5-M	Northwest	Mid-depth sonde	March 14, 2019 to May 13, 2019
L1-D	Northwest	Deep sonde	March 14, 2019 to April 16, 2019
L11-S	Southeast	Shallow sonde with algae-sensor	March 14, 2019 to May 13, 2019
L7-M	Southeast	Mid-depth sonde	March 14, 2019 to May 13, 2019
L3-D	Southeast	Deep sonde with algae-sensor	March 14, 2019 to April 16, 2019
L12-S	Southwest	Shallow sonde	March 14, 2019 to May 13, 2019
L8-M	Southwest	Mid-depth sonde	March 14, 2019 to May 13, 2019
L4-D	Southwest	Deep sonde	March 14, 2019 to April 16, 2019
L13-V	Between the northwest and southwest sondes	Sonde placed ~1.6 meters below the platform	March 14, 2019 to April 16, 2019
L14-V	Between the northeast and southeast sondes	Sonde placed ~3.2 meters below the platform	March 14, 2019 to April 16, 2019
L15-V	Between the northwest and southwest sondes	Sonde placed ~3.4 meters below the platform	March 14, 2019 to April 16, 2019
L16-V	Between the northeast and southeast sondes	Sonde placed ~1.8 meters below the platform	March 14, 2019 to April 16, 2019

Table A-2 Definitions of abbreviations

Abbreviation	Definition
BGA	blue green algae concentration (surrogate for dye)
CABLE	power level to sonde
CHLA	chlorophyll a concentration
DEPTH	depth below water surface
DO	dissolved oxygen concentration
DO%	dissolved oxygen percent saturation
SAL	salinity concentration
SPCOND	specific conductivity
WTEMP	water temperature

A.2 BACK RIVER NORTHEAST CORNER OF THE PLATFORM

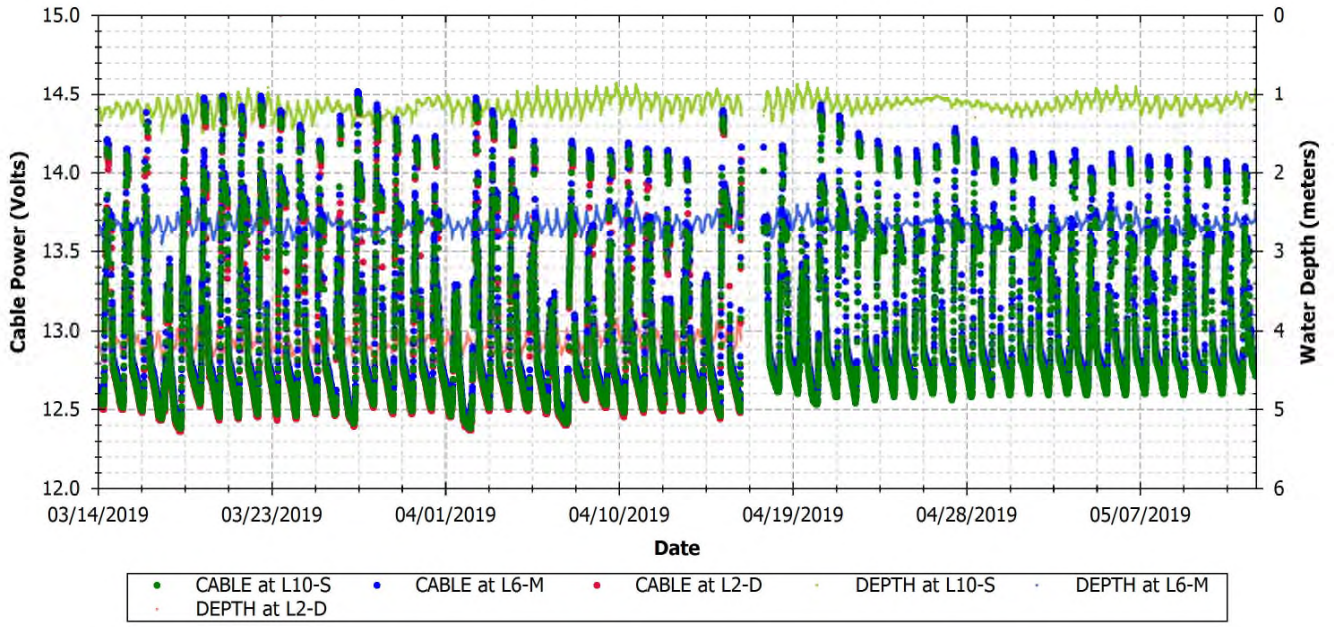


Figure A-3 Back River northeast corner observed cable power

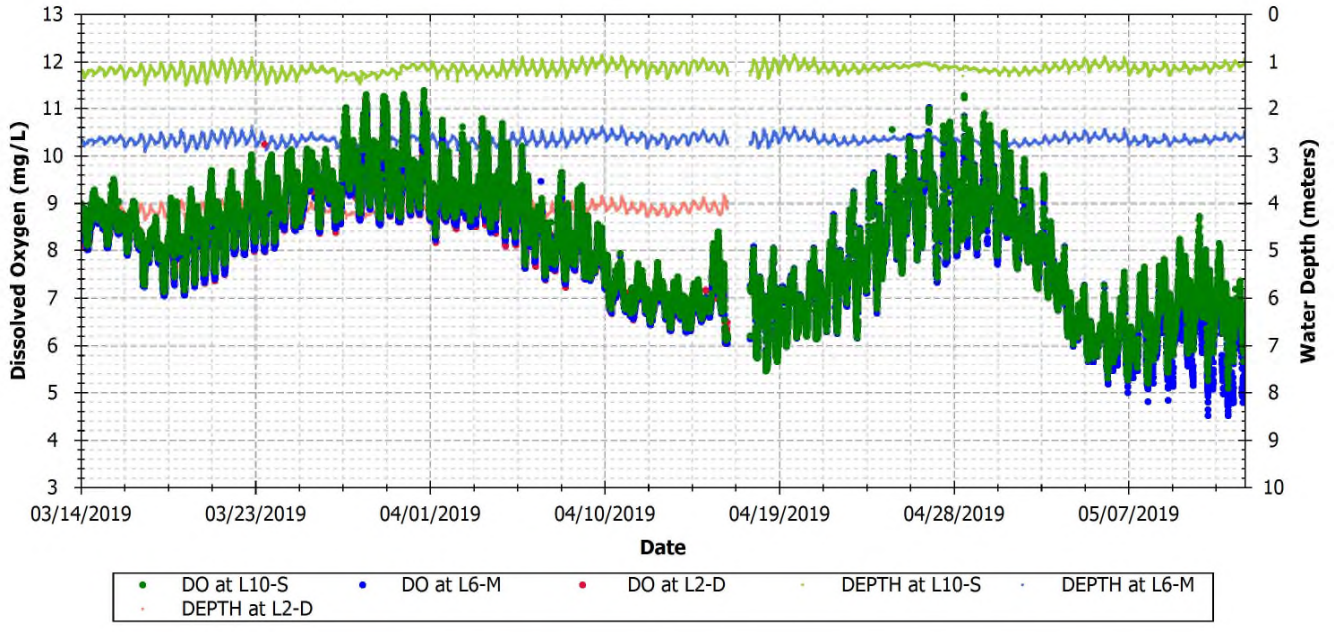


Figure A-4 Back River northeast corner observed DO

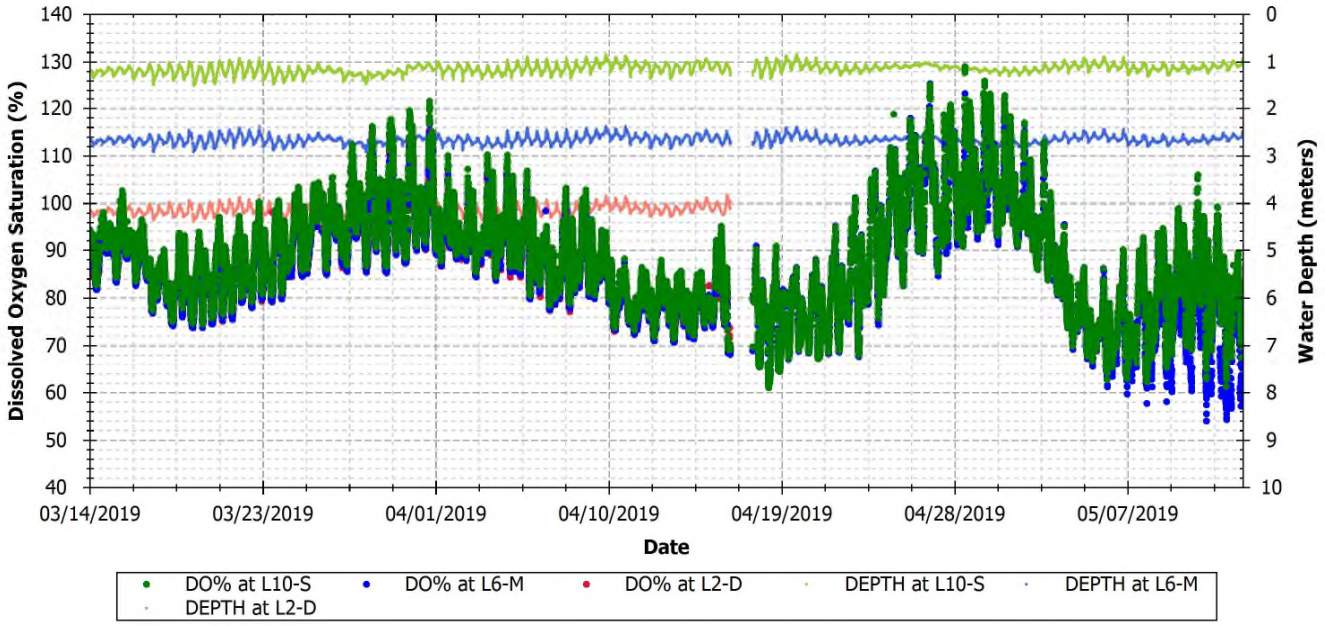


Figure A-5 Back River northeast corner observed DO saturation

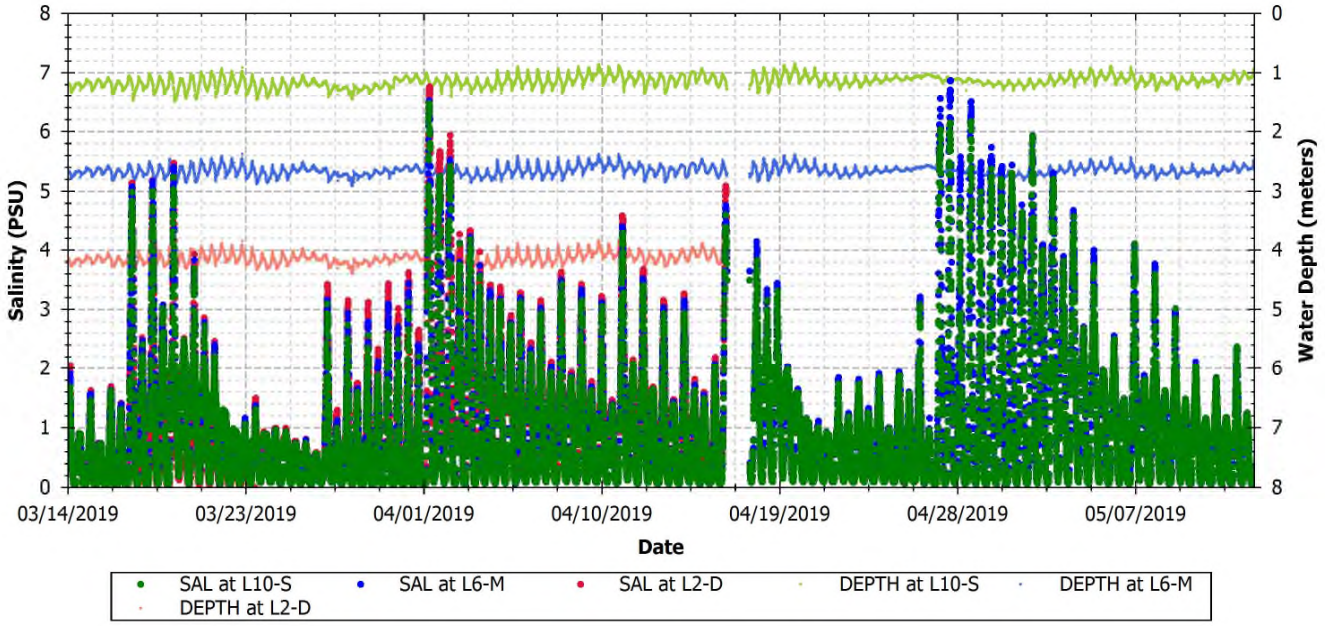


Figure A-6 Back River northeast corner observed salinity

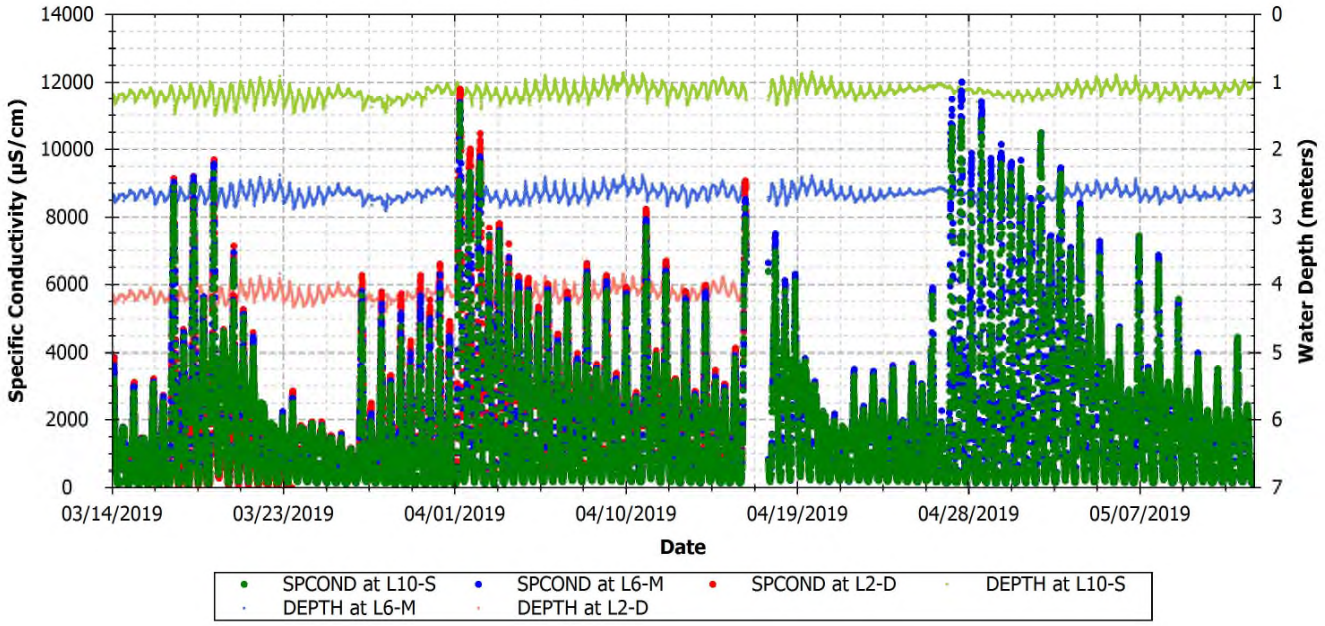


Figure A-7 Back River northeast corner observed specific conductivity

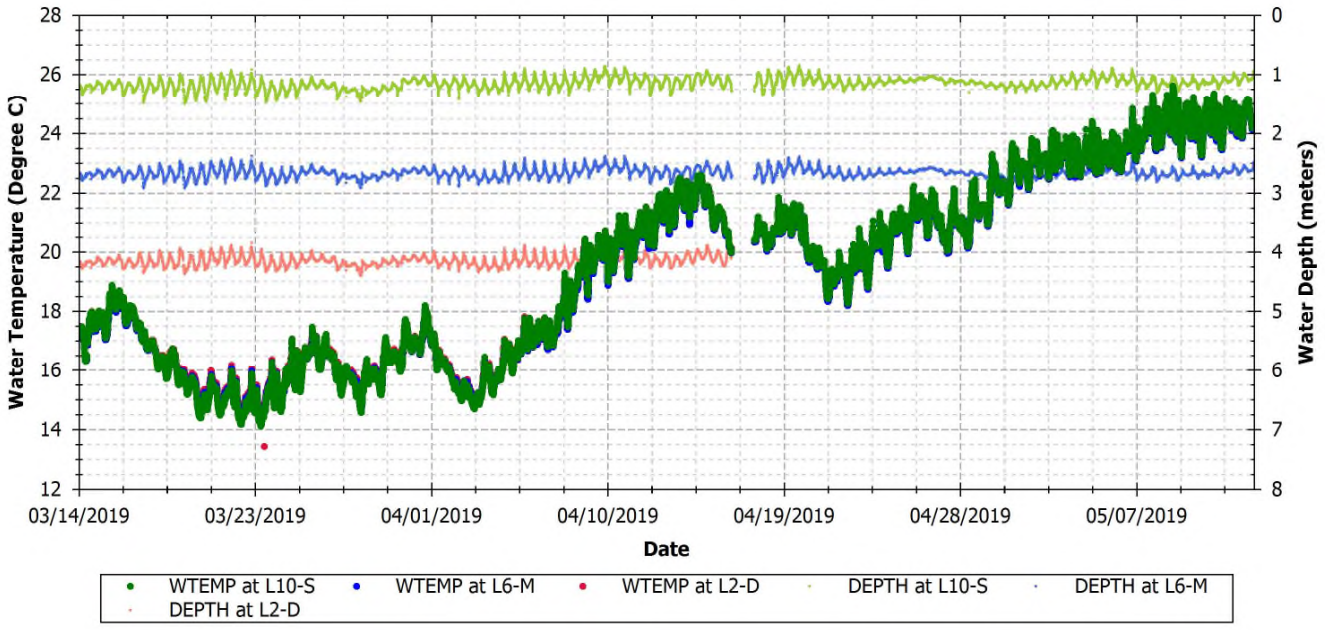


Figure A-8 Back River northeast corner observed water temperature

A.3 BACK RIVER NORTHWEST CORNER OF THE PLATFORM

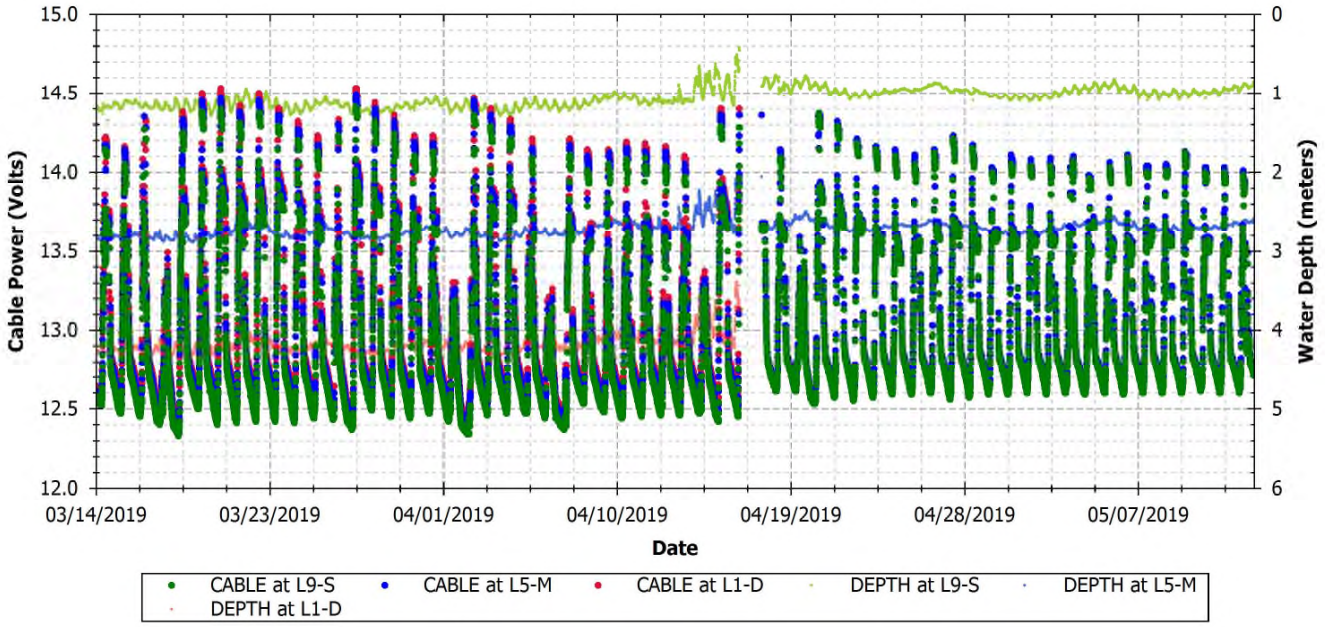


Figure A-9 Back River northwest corner observed cable power

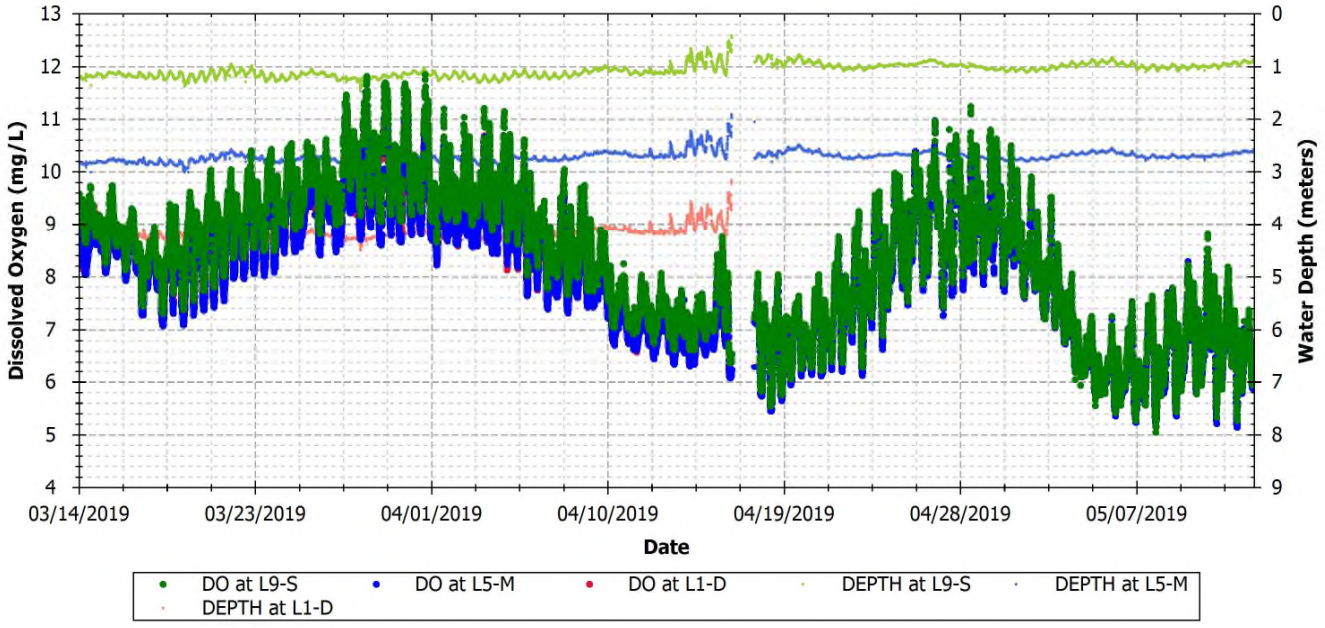


Figure A-10 Back River northwest corner observed DO

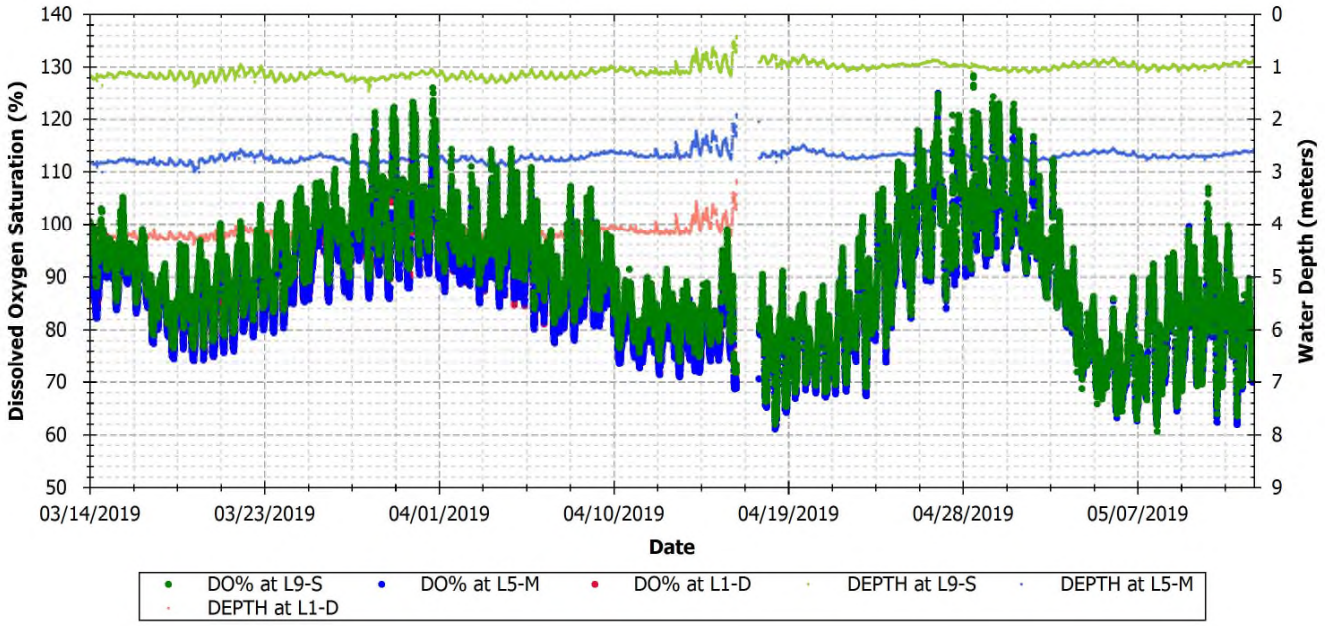


Figure A-11 Back River northwest corner observed DO saturation

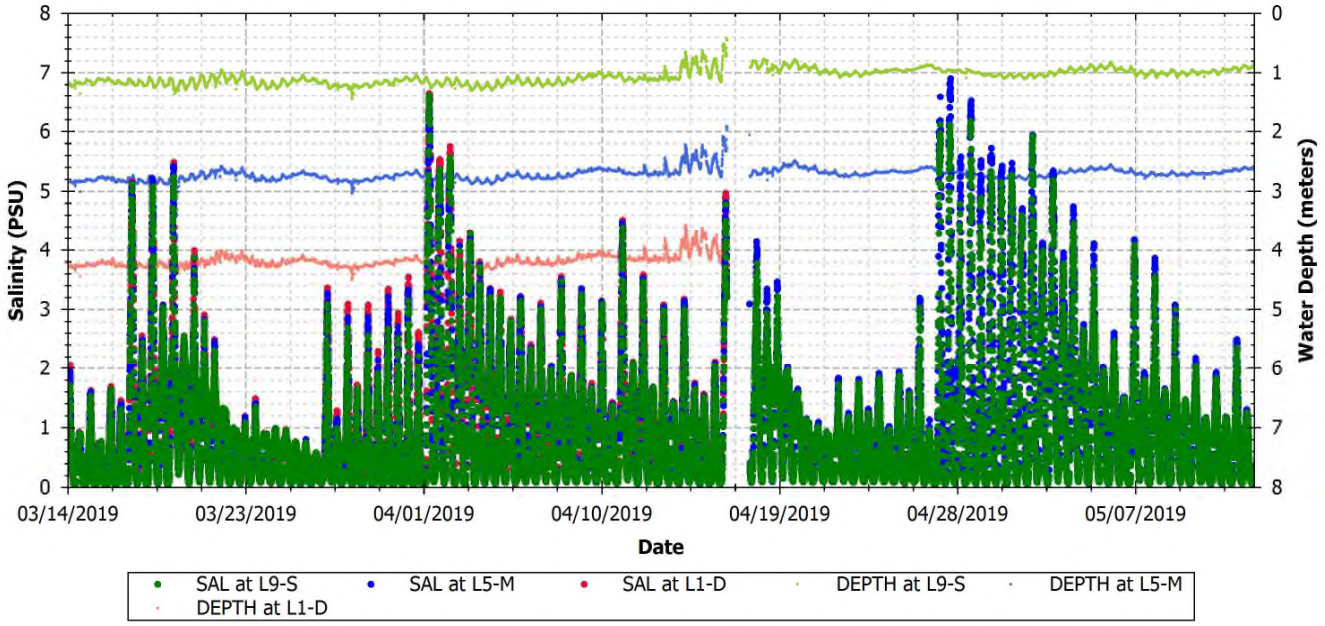


Figure A-12 Back River northwest corner observed salinity

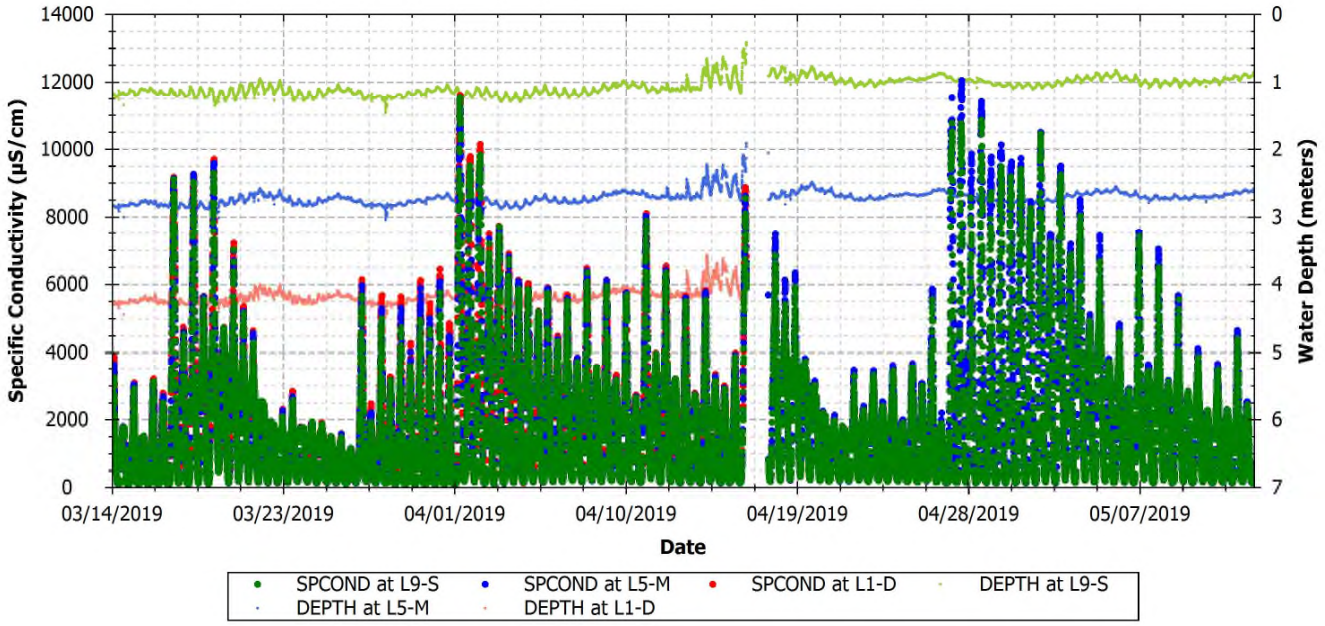


Figure A-13 Back River northwest corner observed specific conductivity

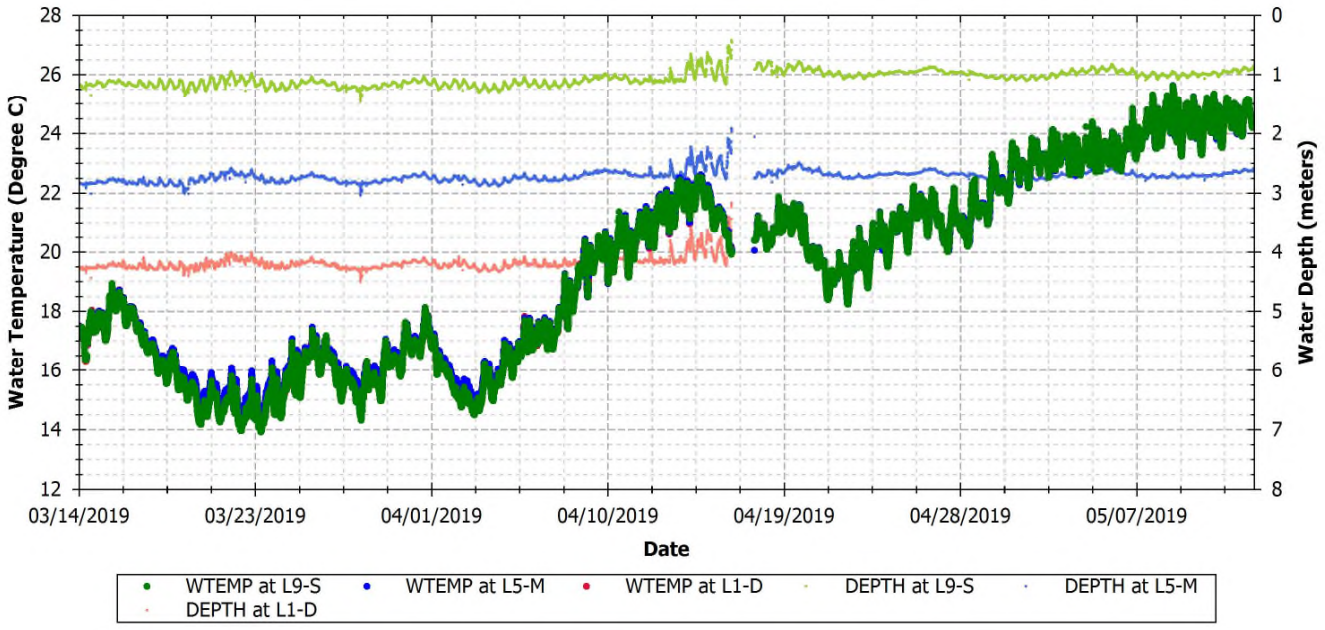


Figure A-14 Back River northwest corner observed water temperature

A.4 BACK RIVER SOUTHEAST CORNER OF THE PLATFORM

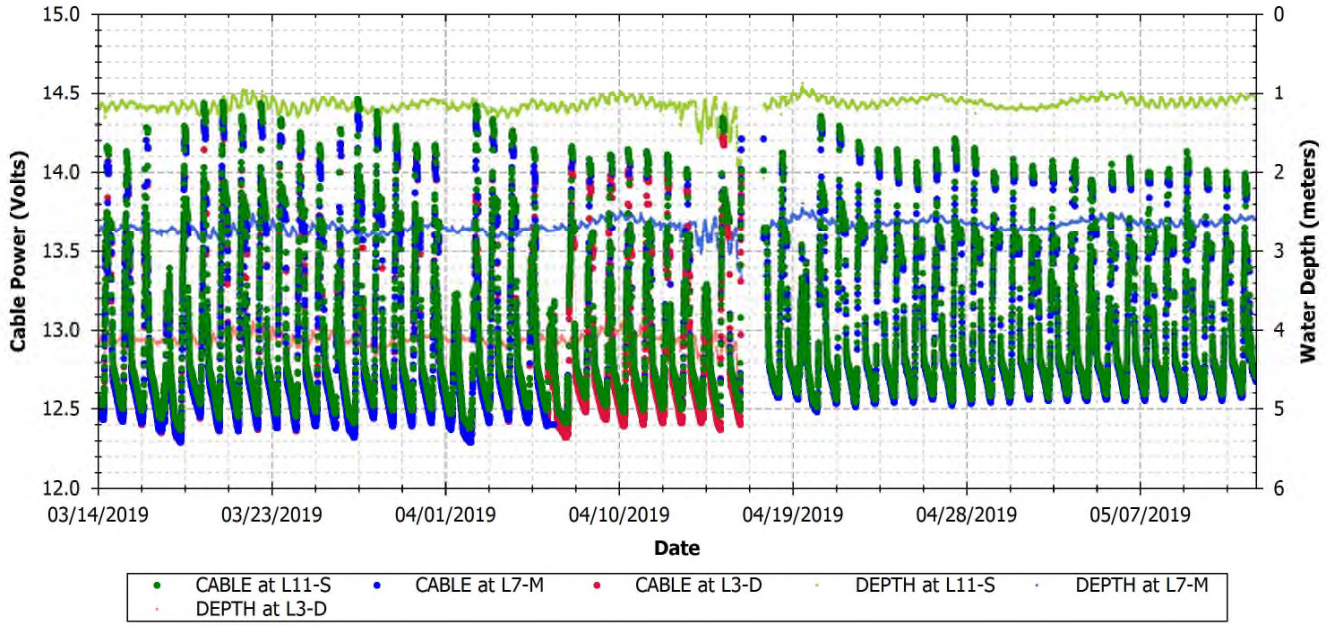


Figure A-15 Back River southeast corner observed cable power

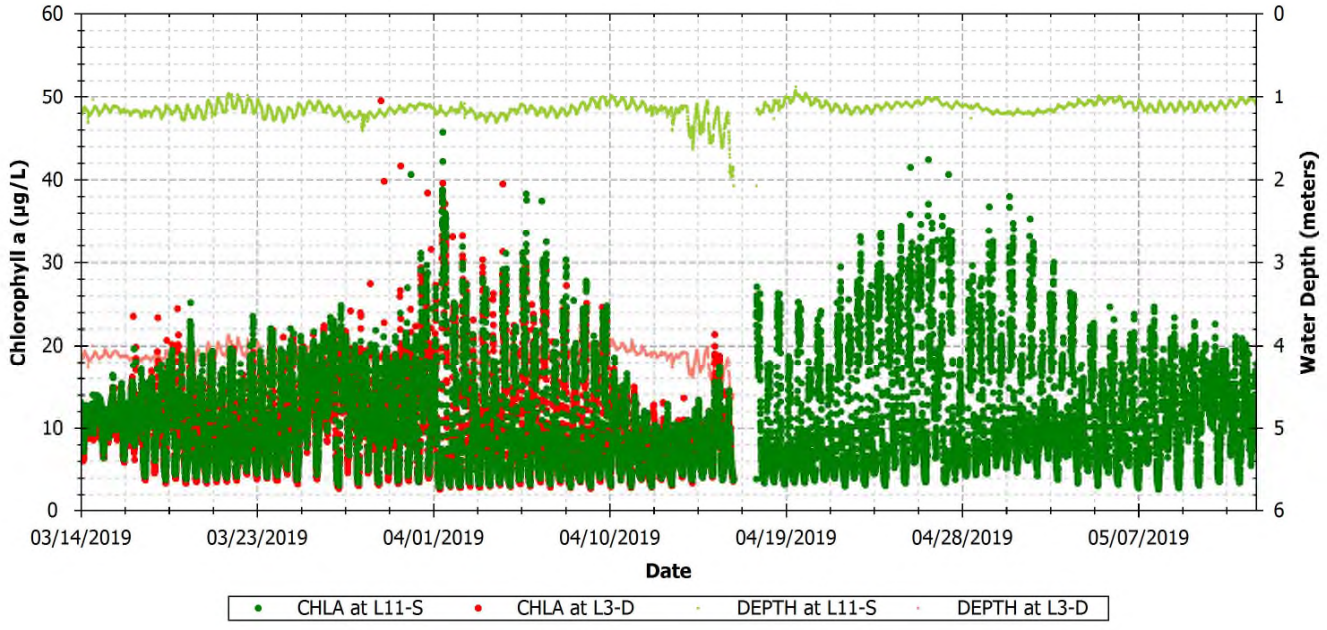


Figure A-16 Back River southeast corner observed Chlorophyll a

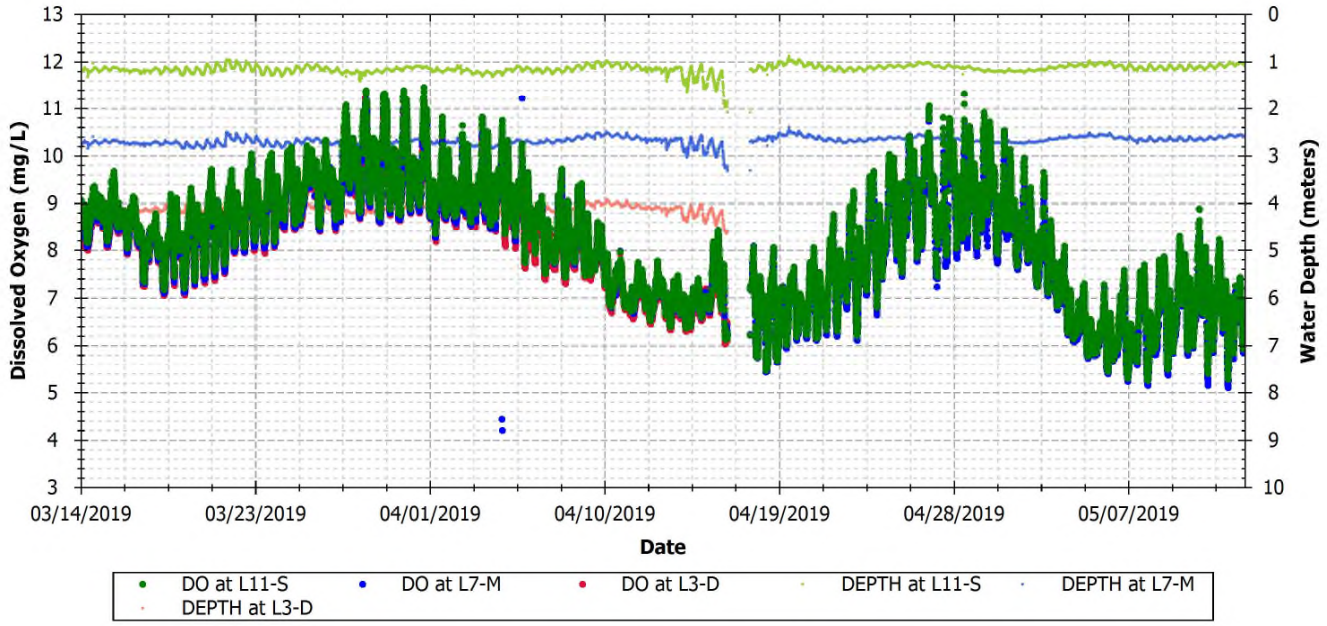


Figure A-17 Back River southeast corner observed DO

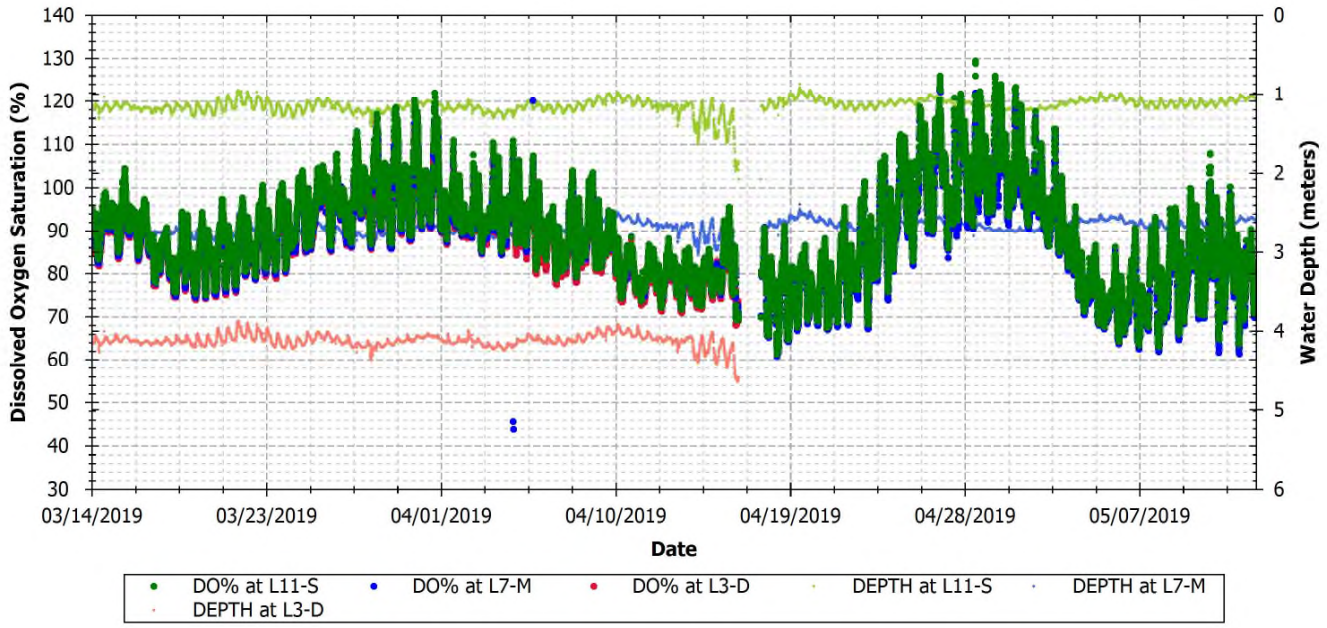
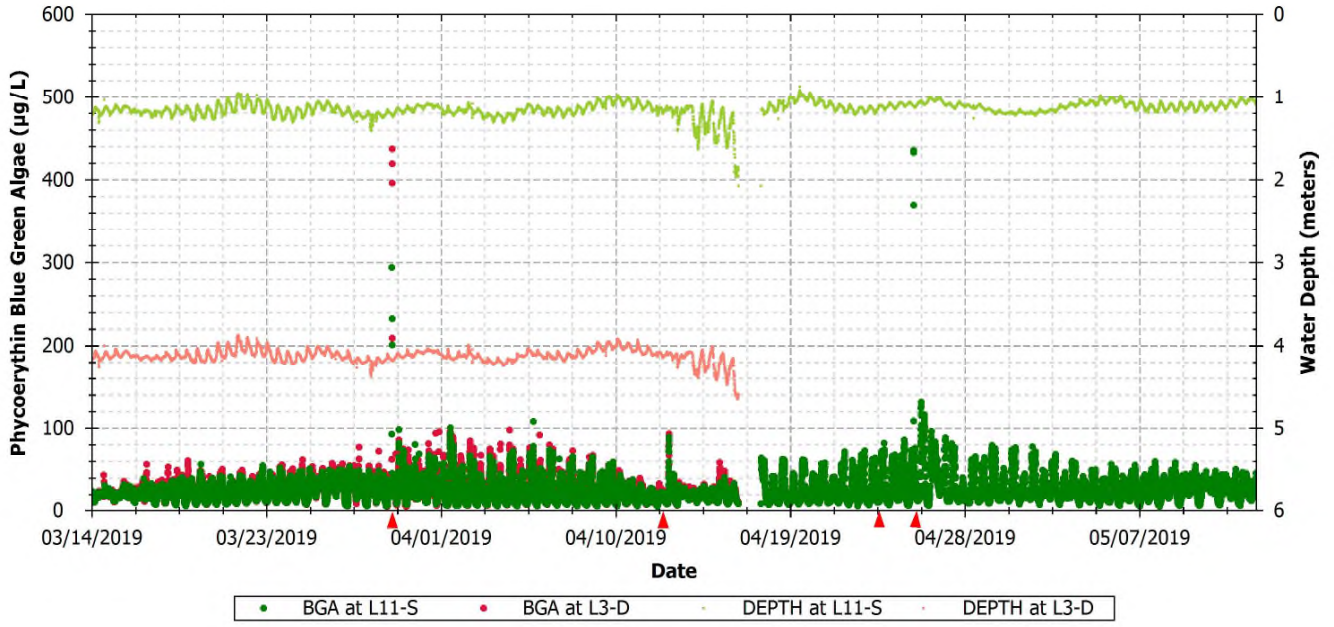


Figure A-18 Back River southeast corner observed DO saturation



Note Red triangles between bottom of x-axis and dates identify approximate times of dye release

Figure A-19 Back River southeast corner observed Phycoerythin Blue Green Algae

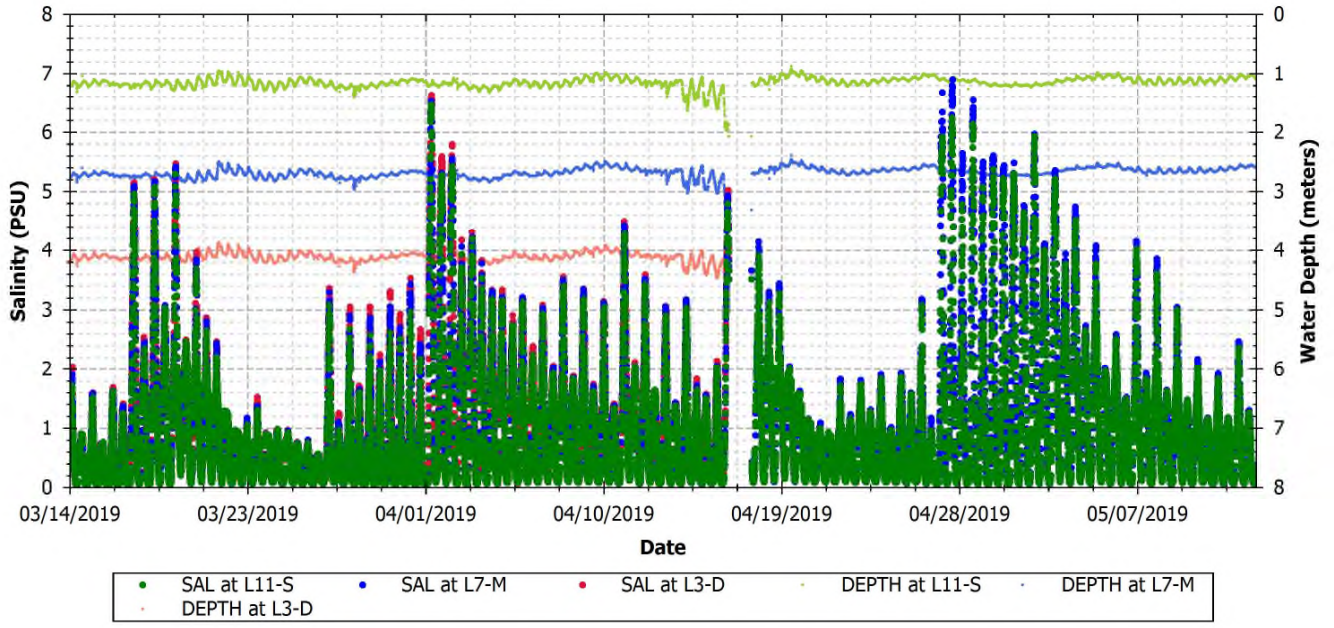


Figure A-20 Back River southeast corner observed salinity

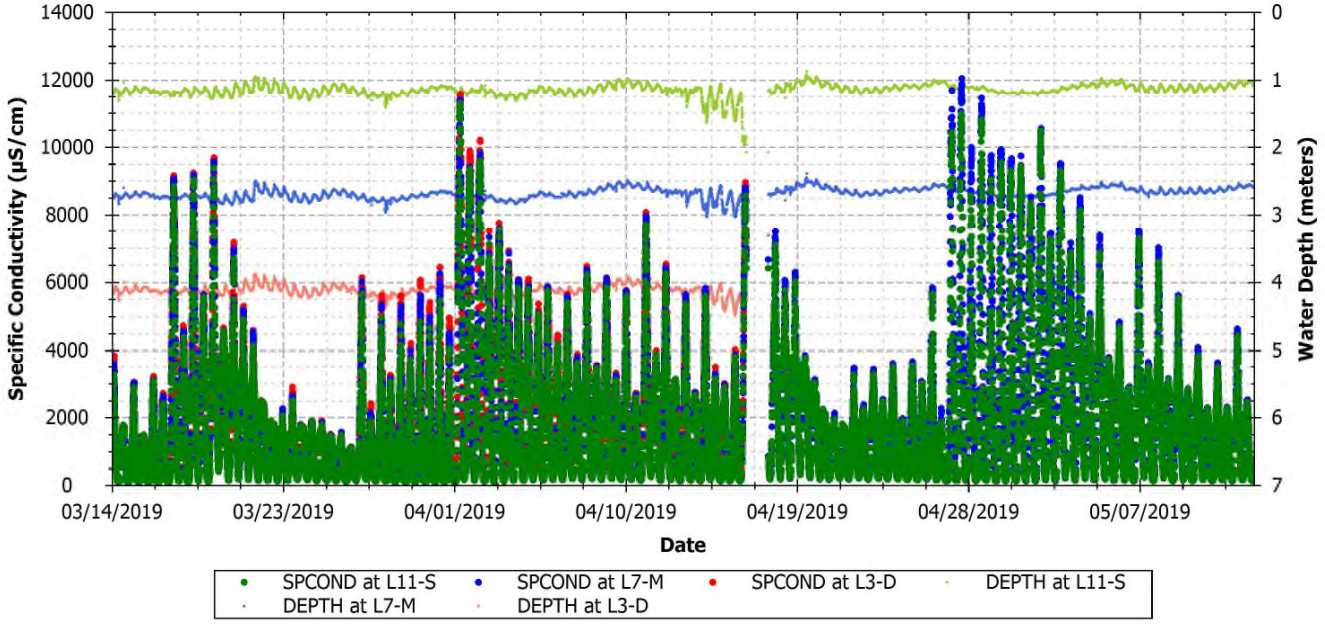


Figure A-21 Back River southeast corner observed specific conductivity

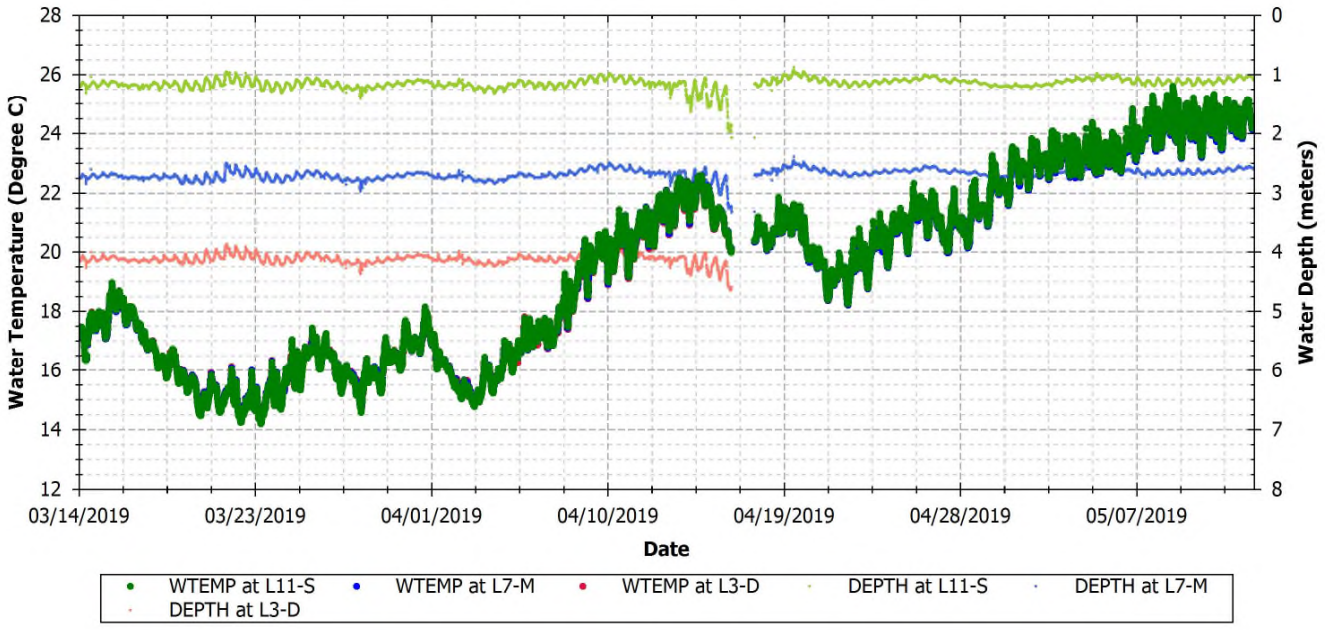


Figure A-22 Back River southeast corner observed water temperature

A.5 BACK RIVER SOUTHWEST CORNER OF THE PLATFORM

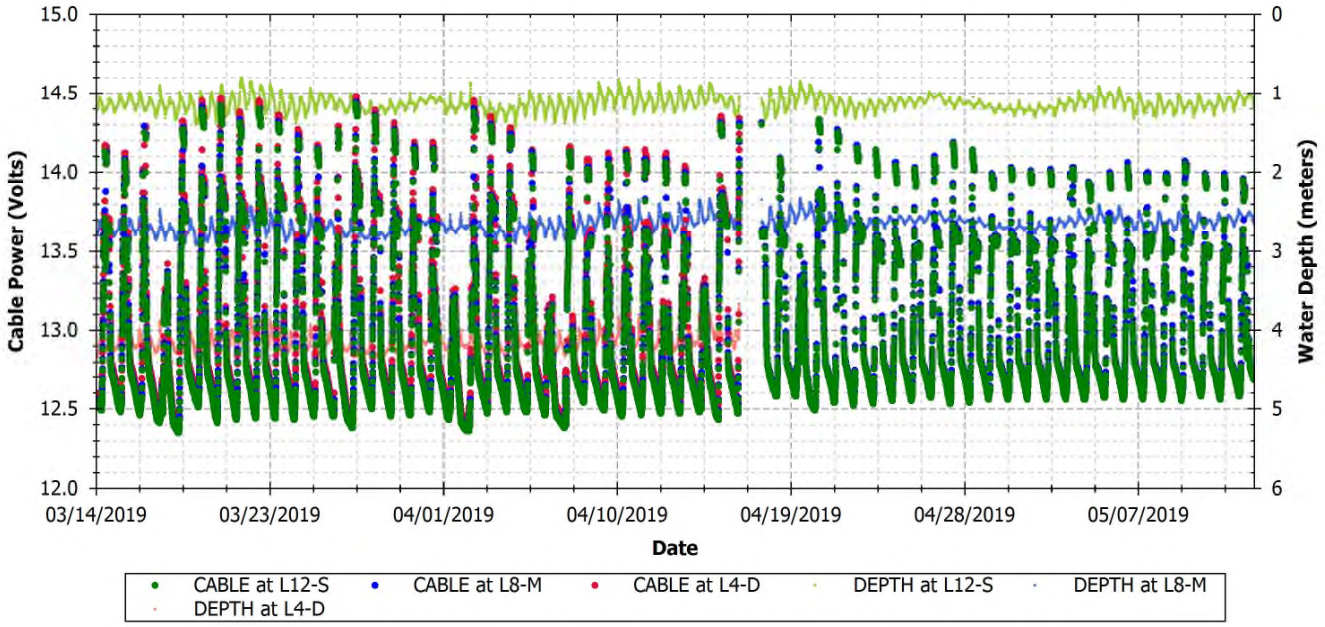


Figure A-23 Back River southwest corner observed cable power

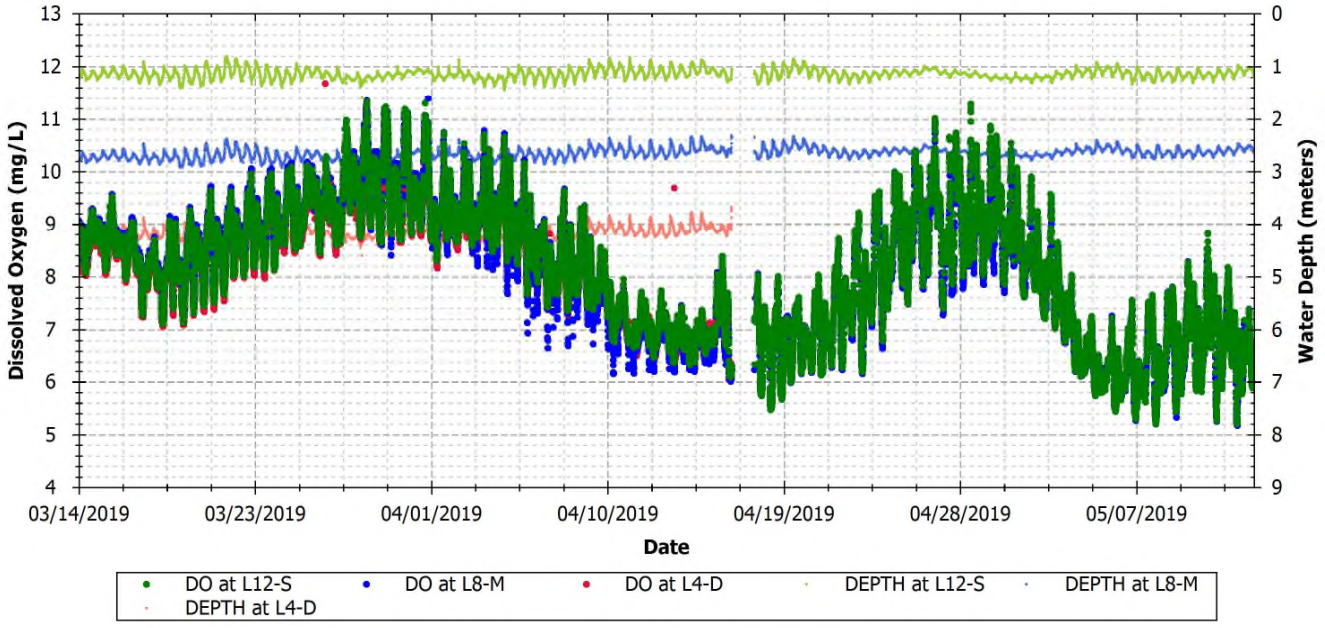


Figure A-24 Back River southwest corner observed DO

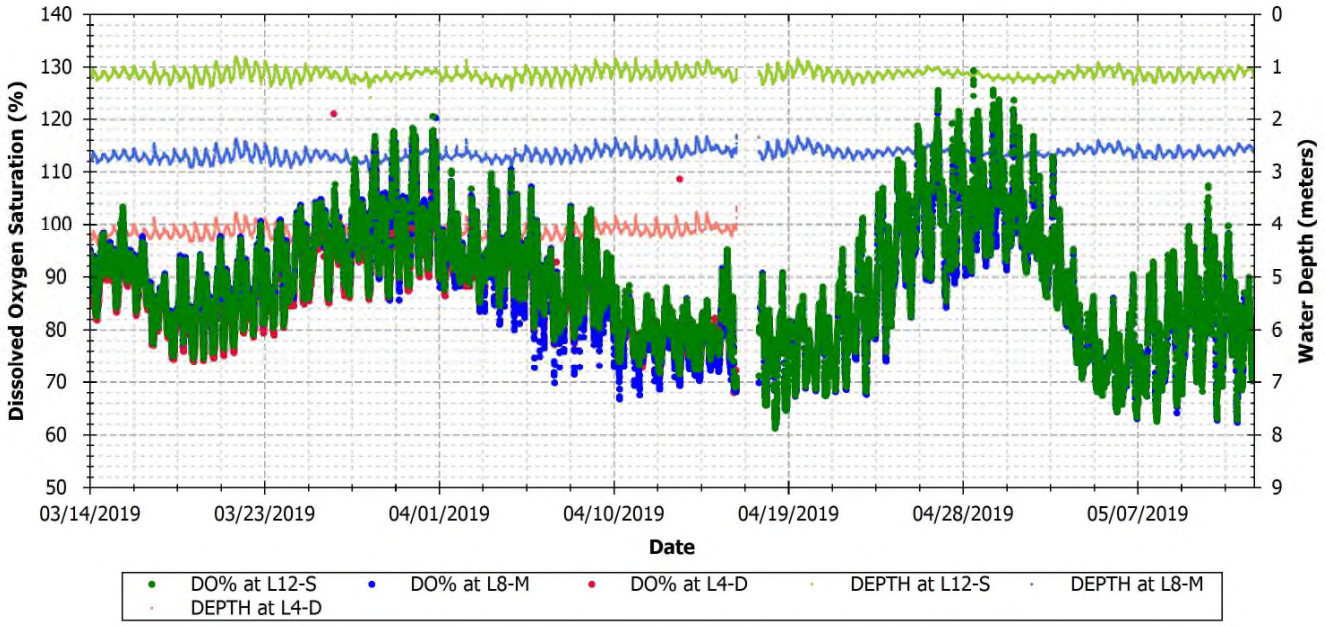


Figure A-25 Back River southwest corner observed DO saturation

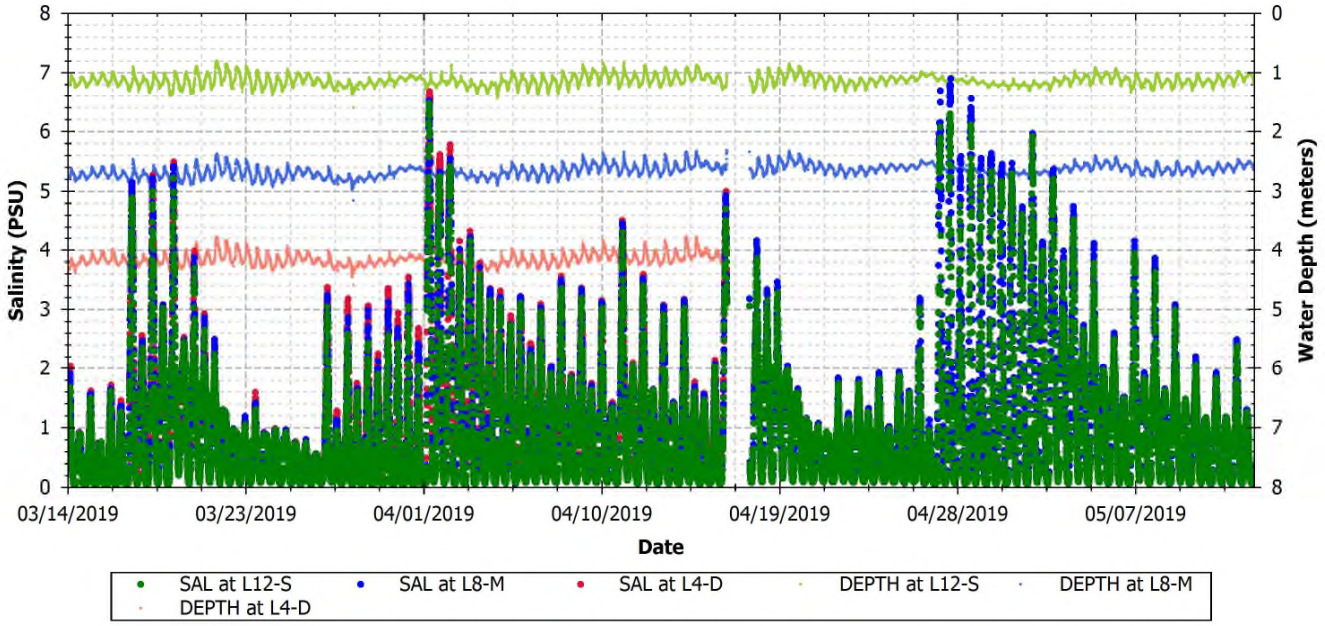


Figure A-26 Back River southwest corner observed salinity

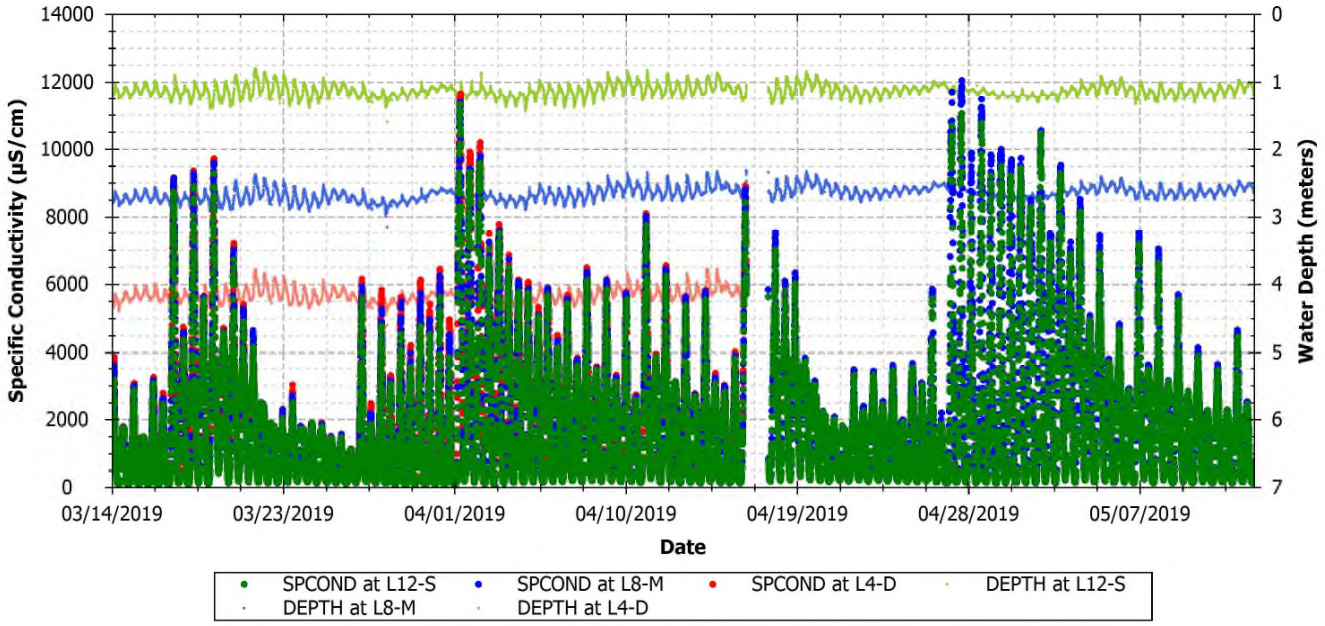


Figure A-27 Back River southwest corner observed specific conductivity

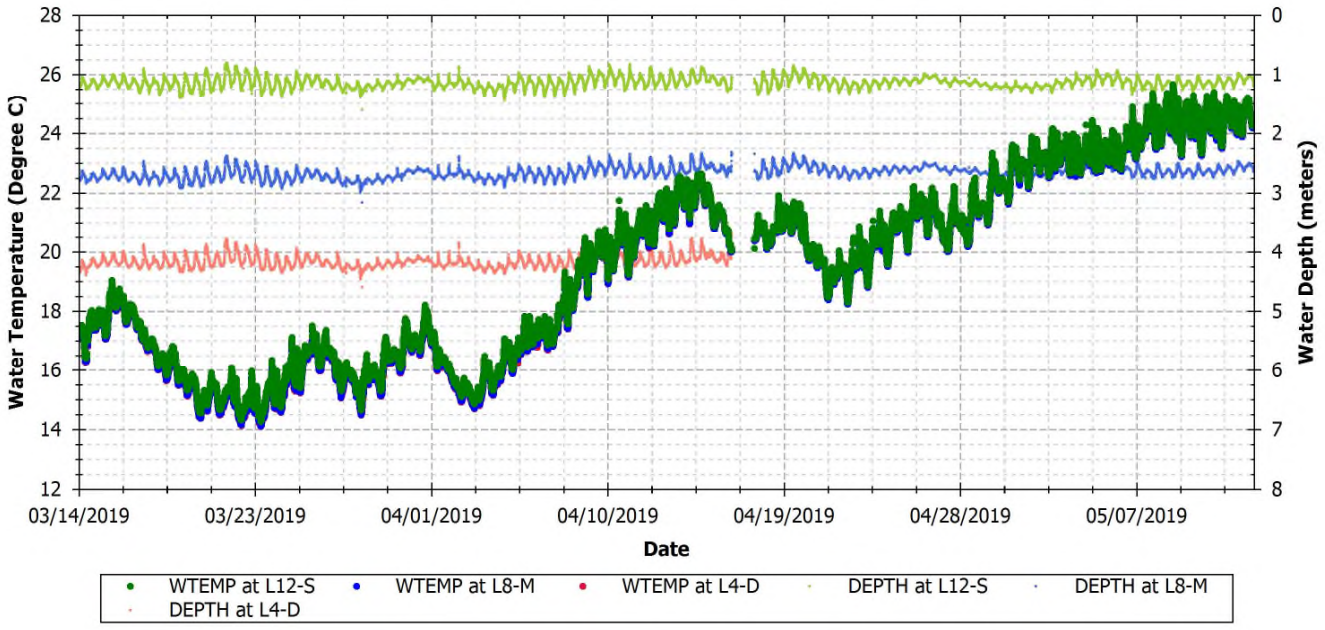


Figure A-28 Back River southwest corner observed water temperature

A.6 BACK RIVER EAST (VARIABLE DEPTHS) SIDE OF THE PLATFORM

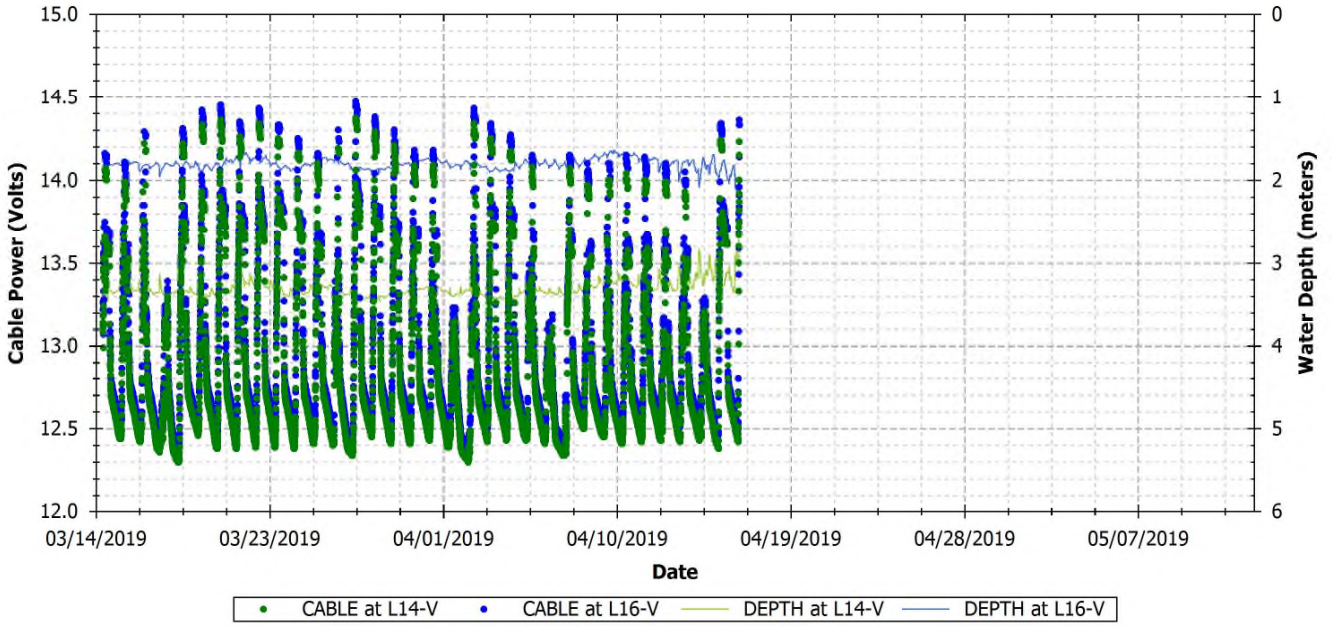


Figure A-29 Back River east (variable depths) side observed cable power

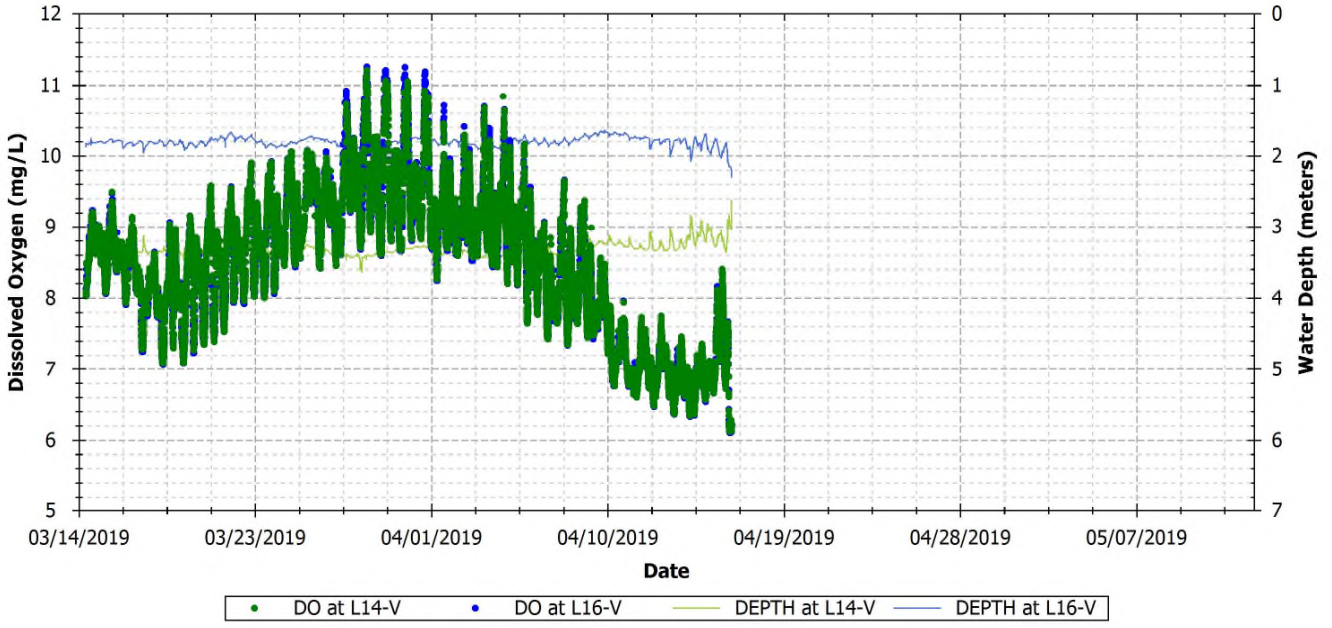


Figure A-30 Back River east (variable depths) side observed DO

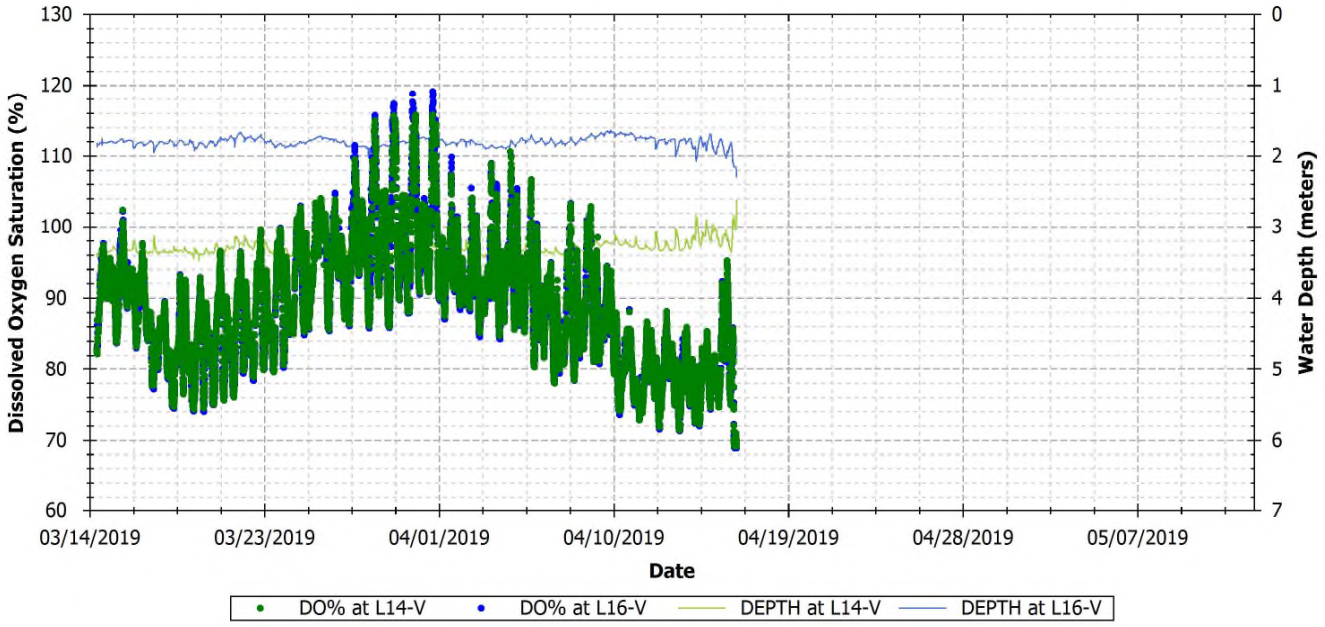


Figure A-31 Back River east (variable depths) side observed DO saturation

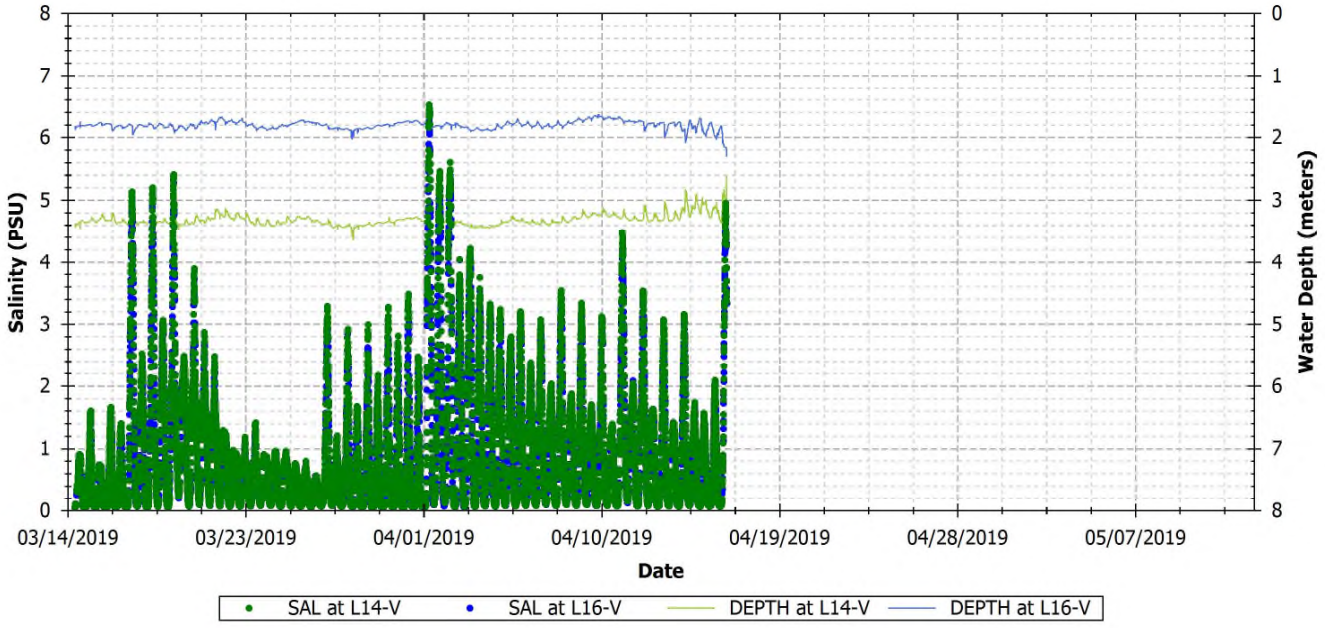


Figure A-32 Back River east (variable depths) side observed salinity

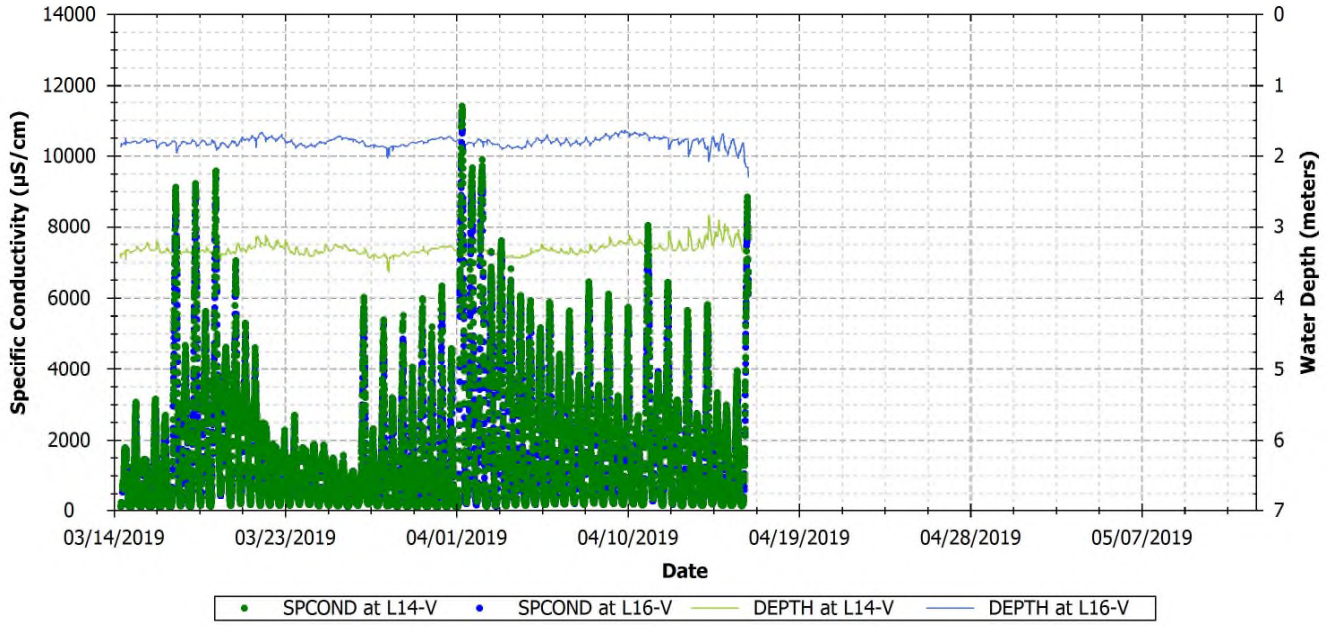


Figure A-33 Back River east (variable depths) side observed specific conductivity

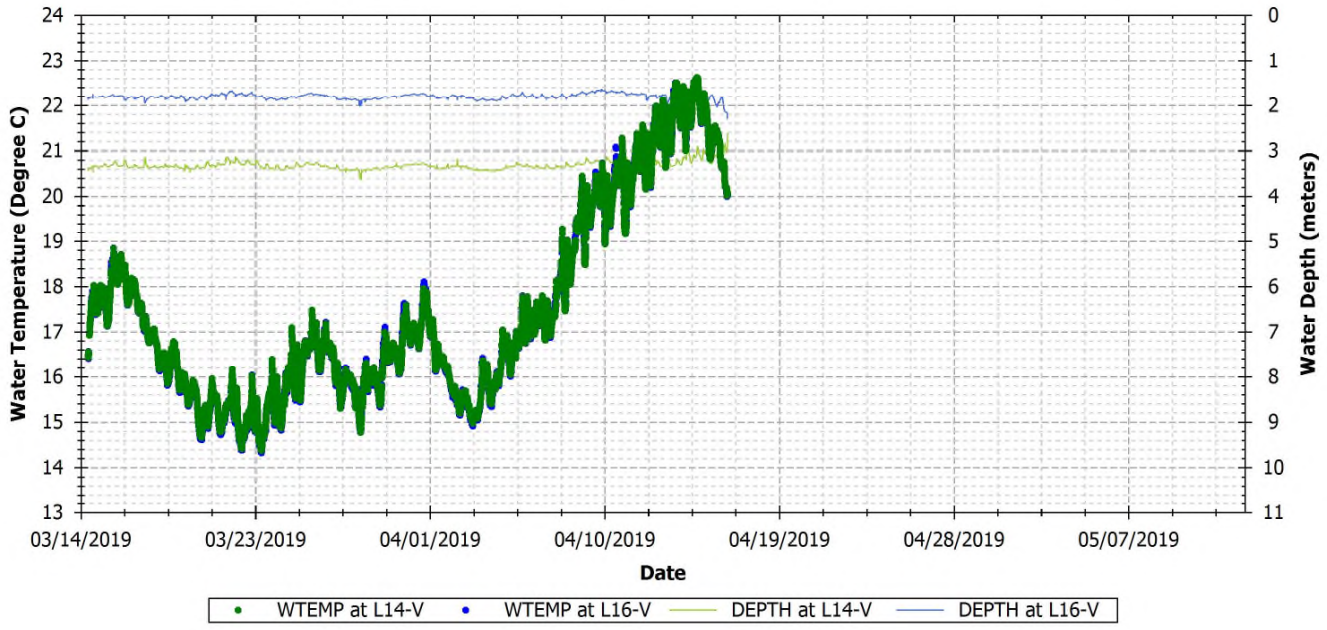


Figure A-34 Back River east (variable depths) side observed water temperature

A.7 BACK RIVER WEST (VARIABLE DEPTHS) SIDE OF THE PLATFORM

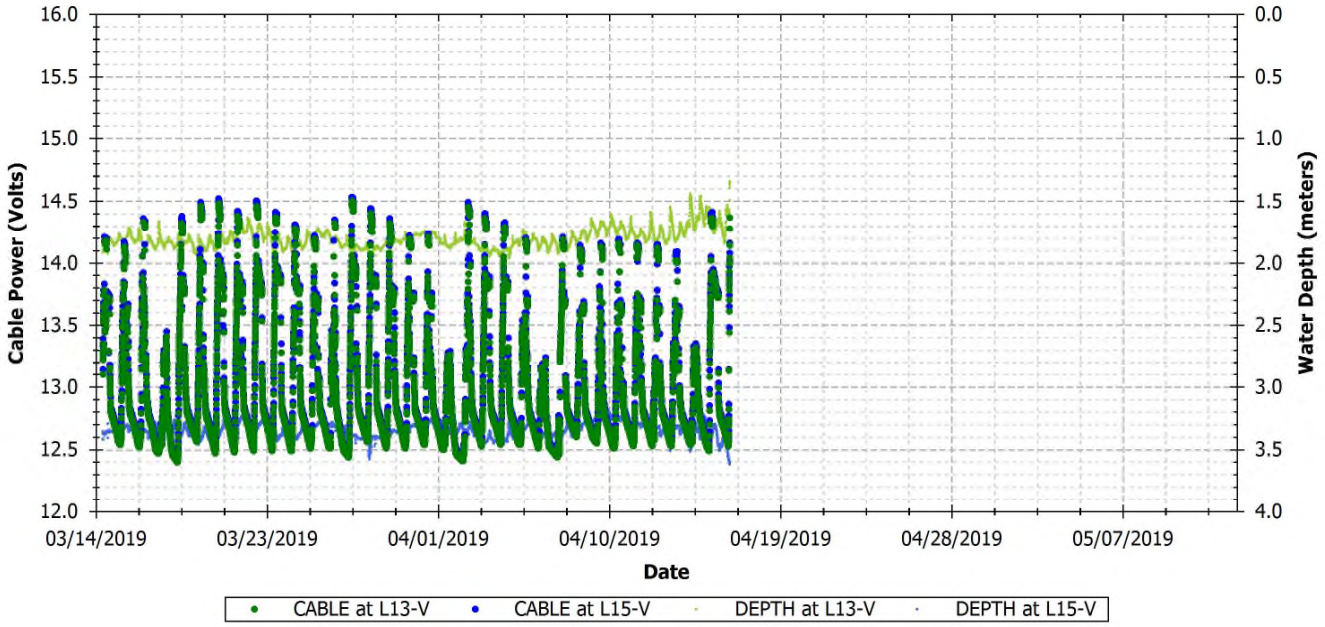


Figure A-35 Back River west (variable depths) side observed cable power

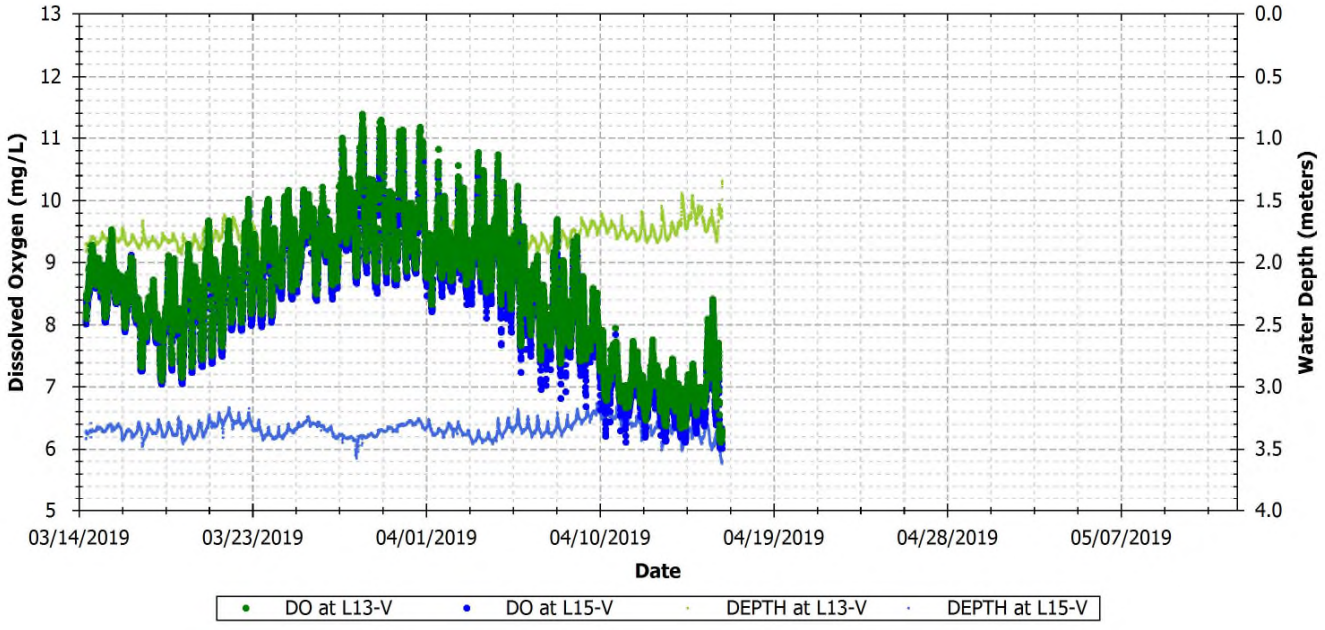


Figure A-36 Back River west (variable depths) side observed DO

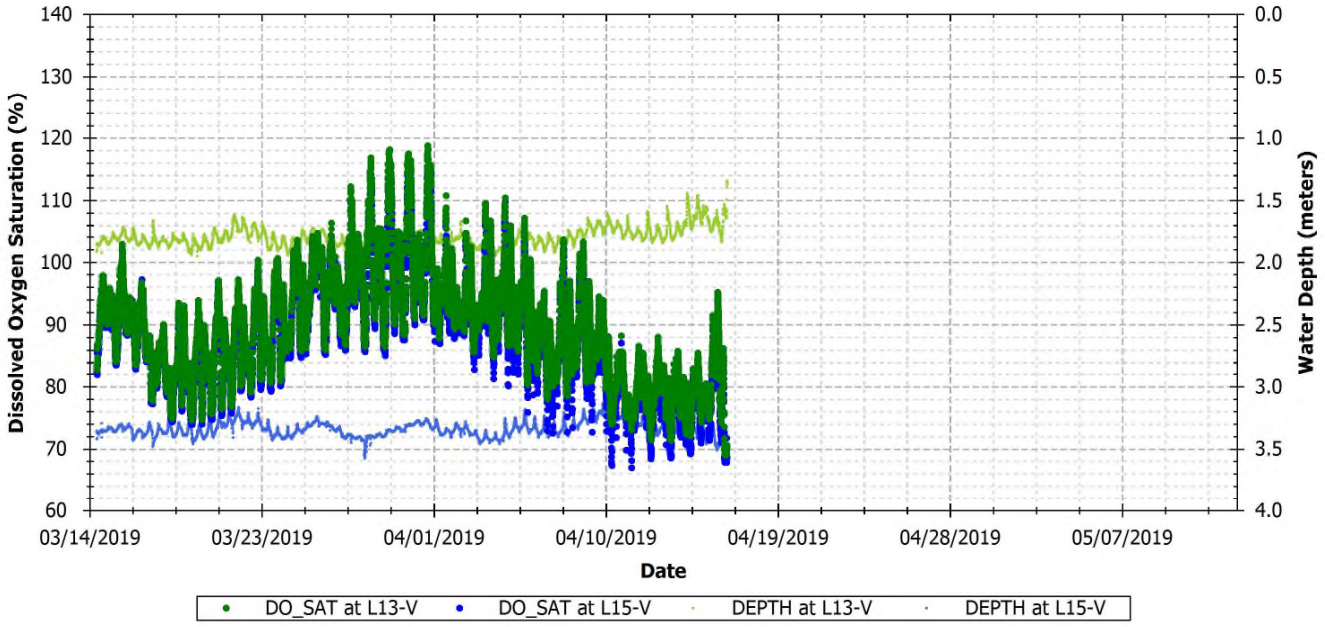


Figure A-37 Back River west (variable depths) side observed DO saturation

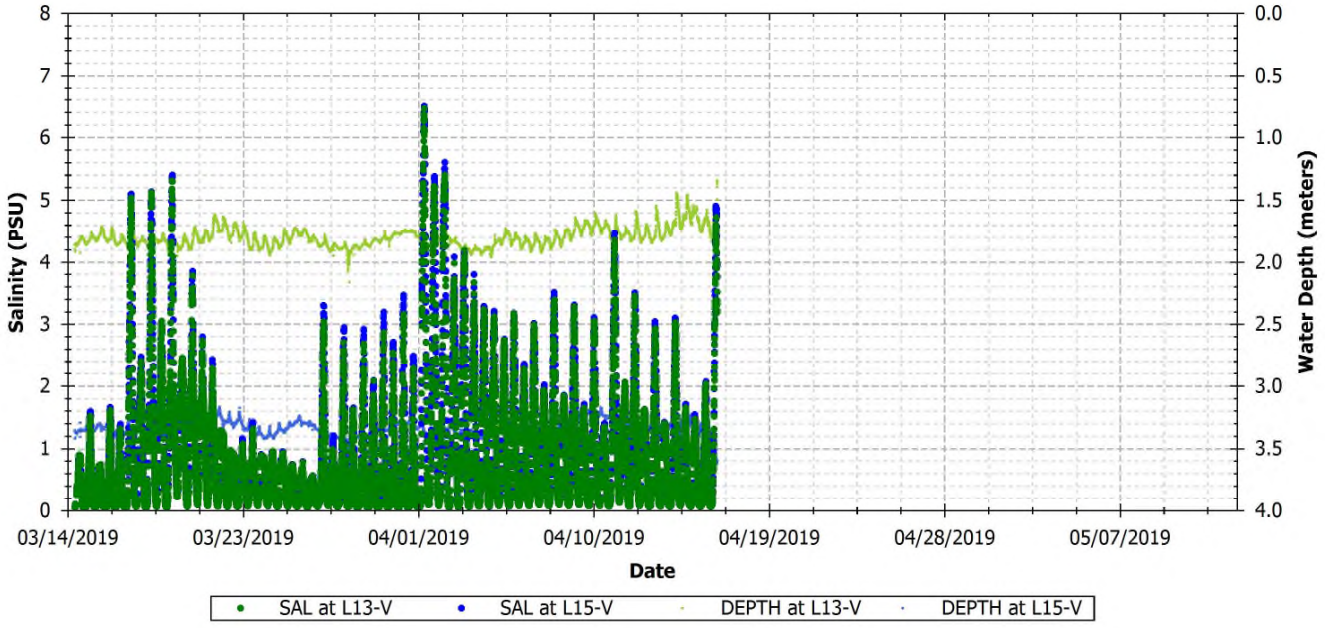


Figure A-38 Back River west (variable depths) side observed salinity

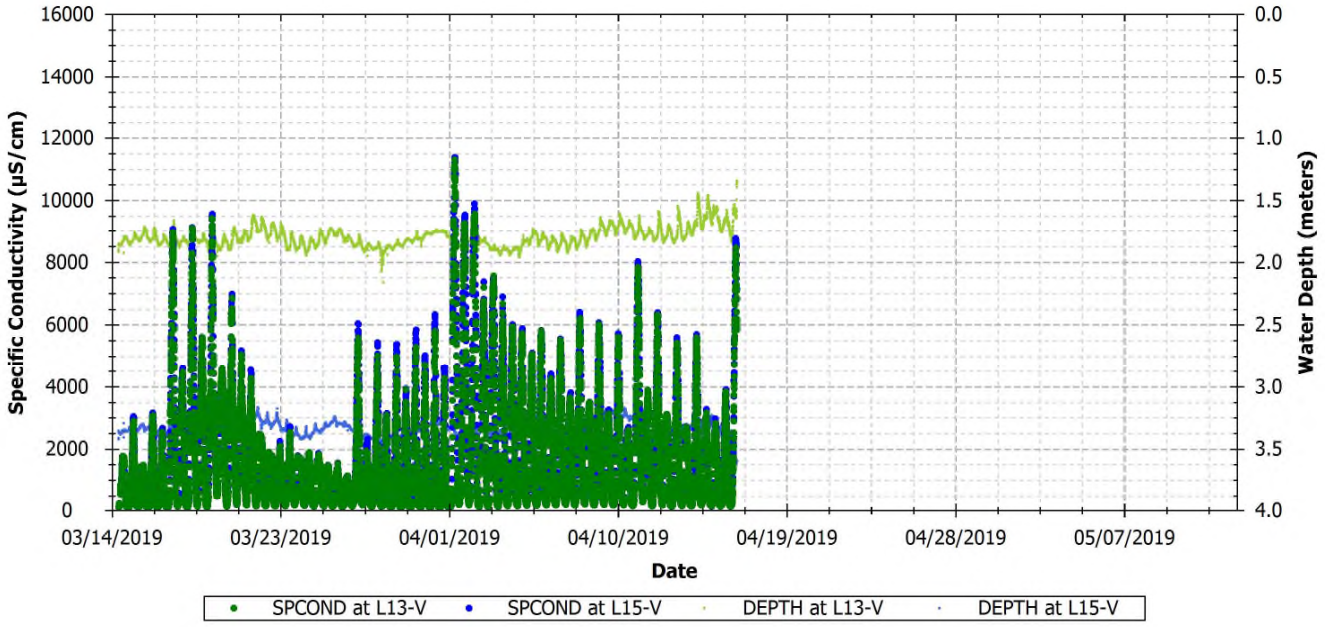


Figure A-39 Back River west (variable depths) side observed specific conductivity

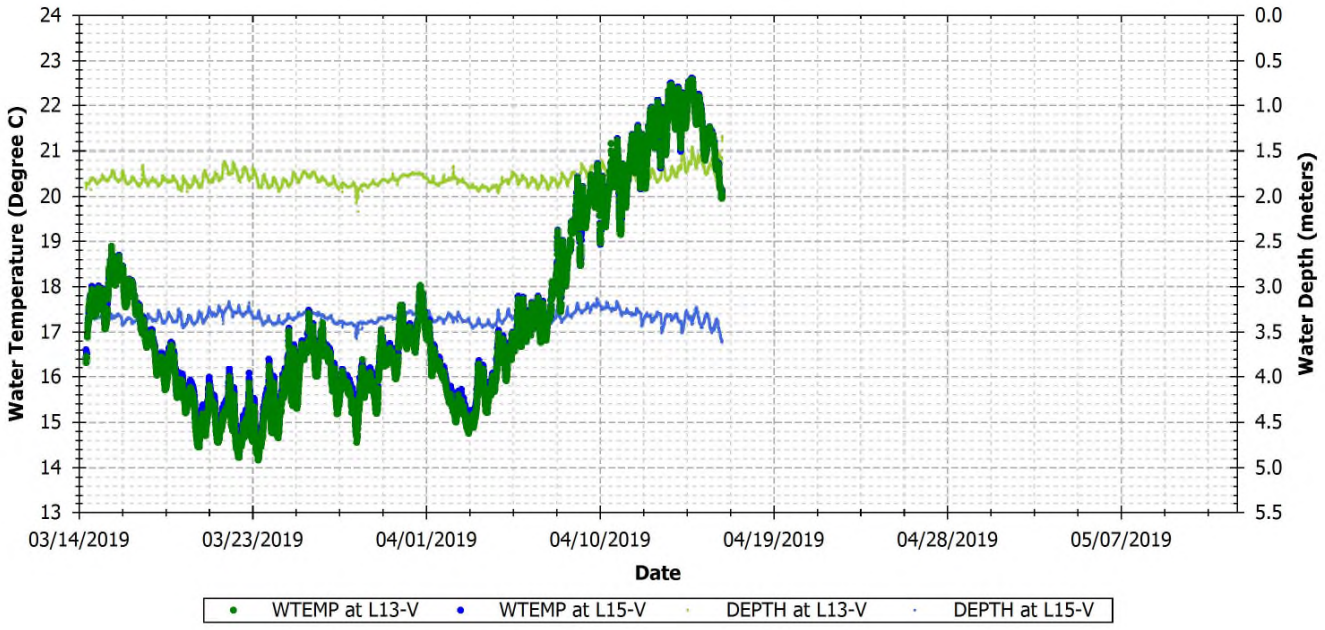


Figure A-40 Back River west (variable depths) corner observed water temperature

APPENDIX B SEMI-PERMANENT BUOY FIGURES

Test Run Data Collection and Modeling Report

for the

Dissolved Oxygen Facility Environmental Testing

for the

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Contract# W912HN-15-D-0023
Tasks: 07 and 08
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B.1 DEFINITIONS AND LOCATION MAPS

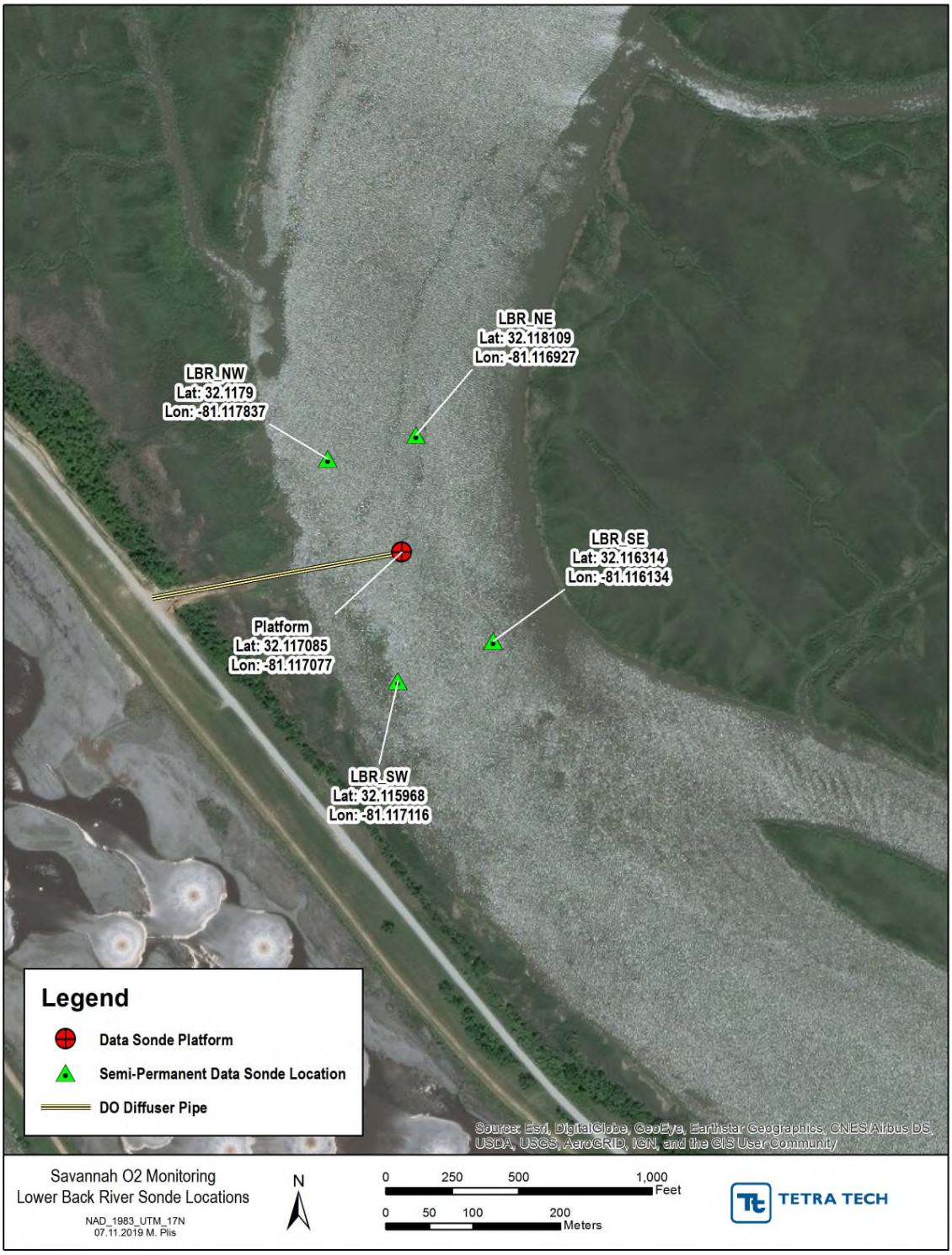


Figure B-1 Location of semi-permanent buoys on the lower Back River

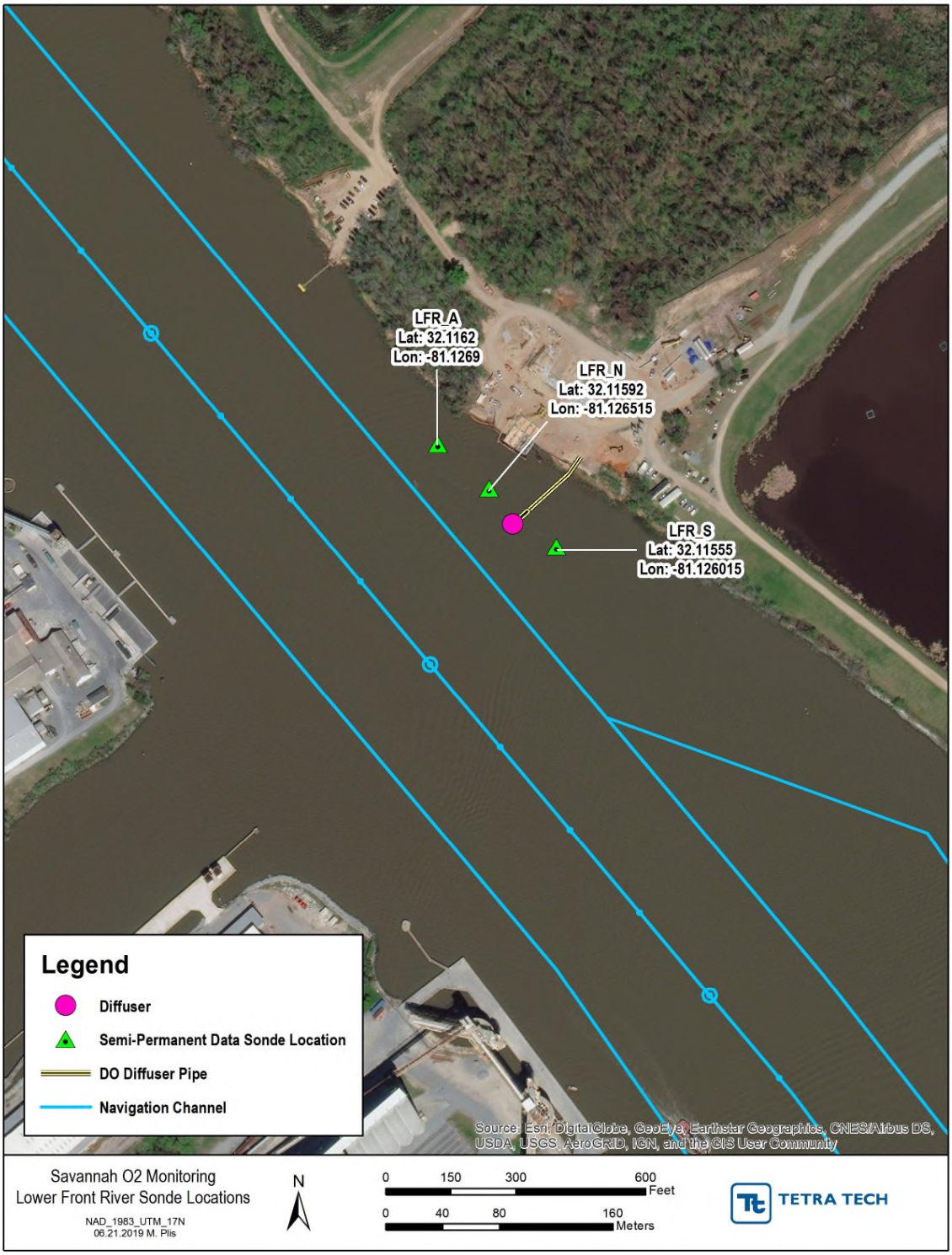


Figure B-2 Location of semi-permanent buoys on the lower Front River

Table B-1 Attributes of semi-permanent buoys used for the test run data collection

Station ID	Description	Deployment Period
LBR_NE	Back River northeast	March 14, 2019 to May 13, 2019
LBR_NW	Back River northwest	March 14, 2019 to May 13, 2019
LBR_SE	Back River southeast	March 14, 2019 to May 13, 2019
LBR_SW	Back River southwest	March 14, 2019 to May 13, 2019
LFR_N	Lower Front River north	March 14, 2019 to May 13, 2019
LFR_S	Lower Front River south	March 14, 2019 to May 13, 2019
LFR_A	Lower Front River additional	March 24, 2019 to May 13, 2019

Table B-2 Definitions of abbreviations

Abbreviation	Definition
BATTERY	power level to sonde
BGA_U	blue green algae concentration (surrogate for dye)
CHLA_U	chlorophyll a concentration
DEPTH	depth below water surface
DO	dissolved oxygen concentration
DO_SAT	dissolved oxygen percent saturation
SALPPT	salinity concentration
SPCOND	specific conductivity
WTEMP	water temperature

B.2 BACK RIVER NORTHEAST

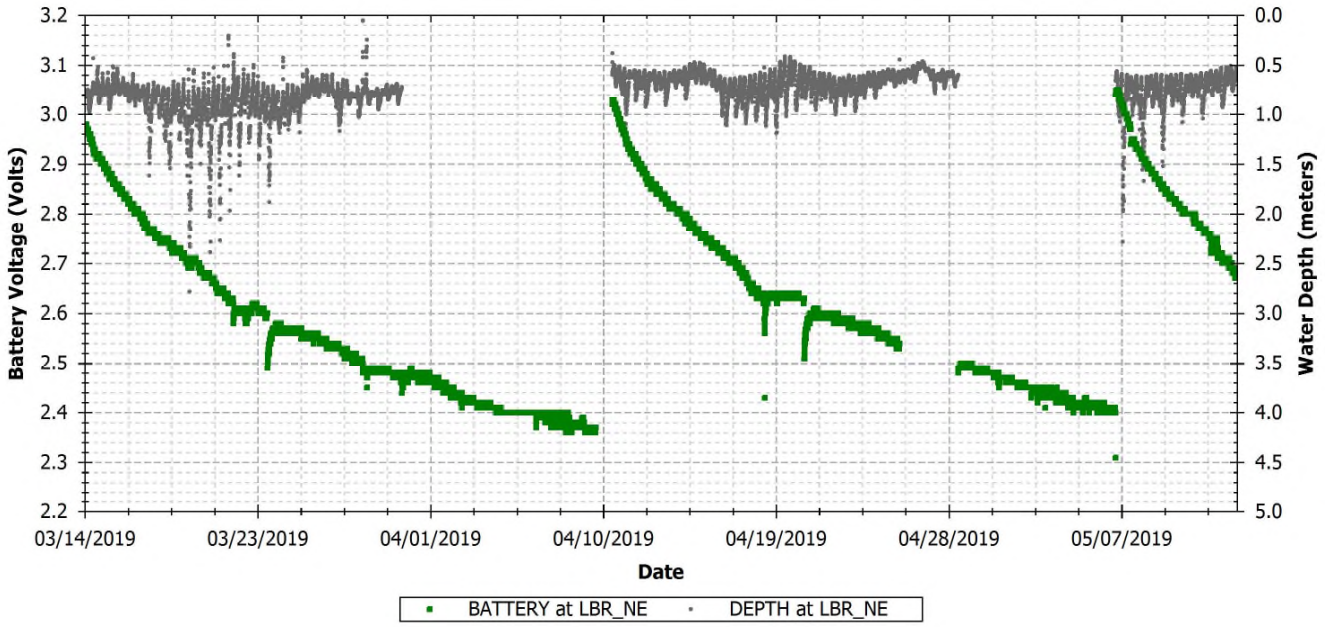
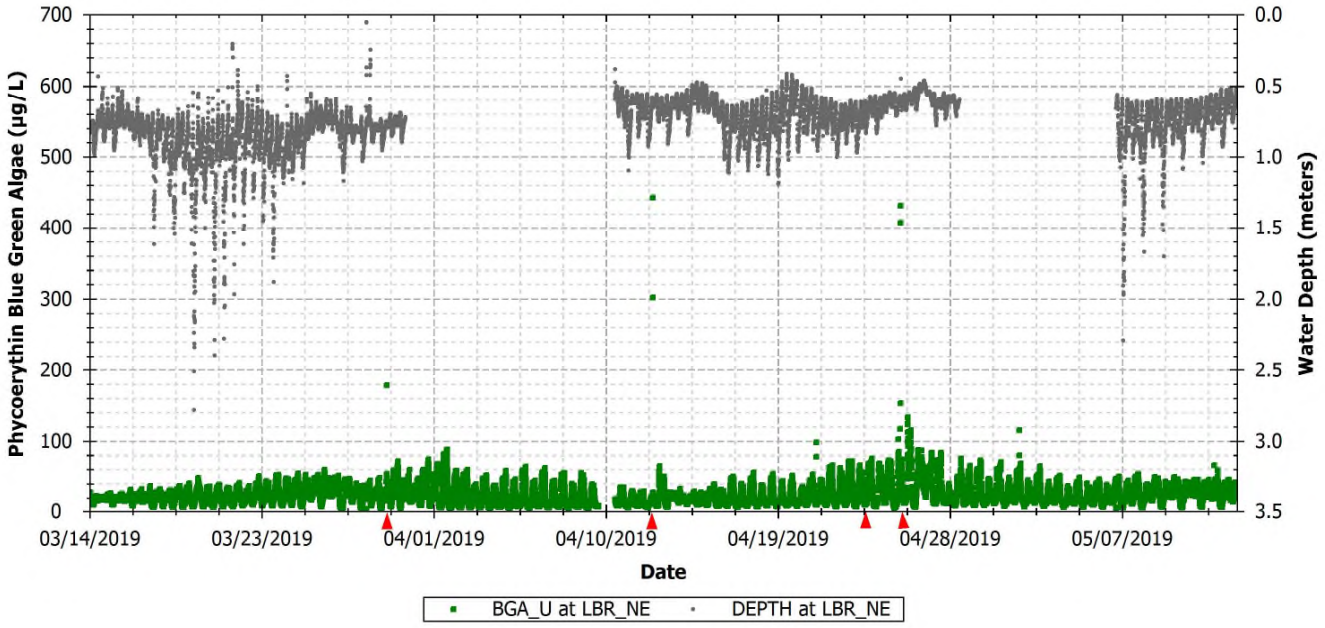


Figure B-3 Back River northeast observed battery



Note Red triangles between bottom of x-axis and dates identify approximate times of dye release

Figure B-4 Back River northeast observed BGA

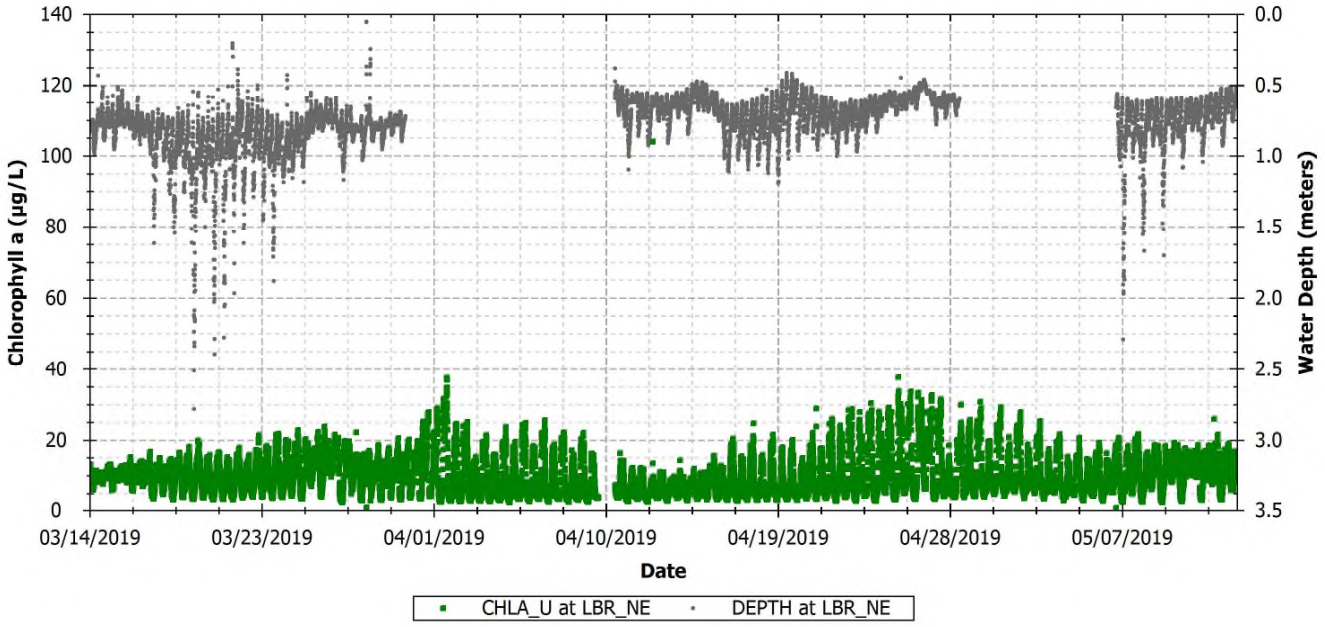


Figure B-5 Back River northeast observed chlorophyll a

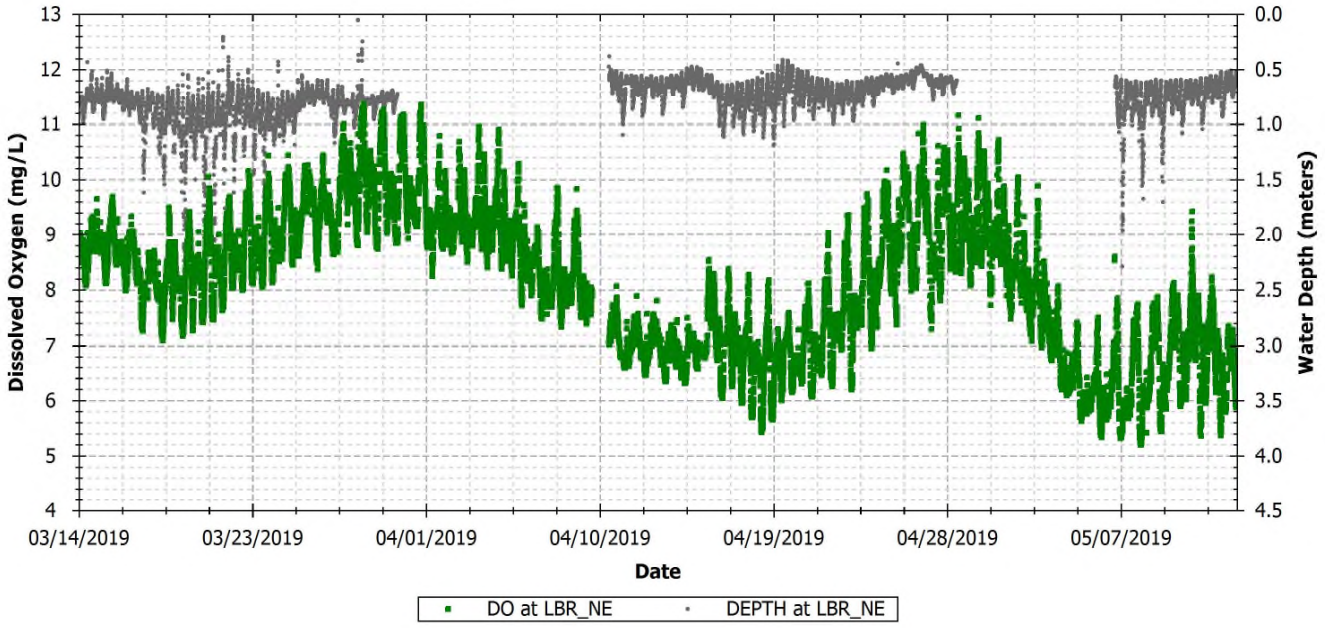


Figure B-6 Back River northeast observed DO concentration

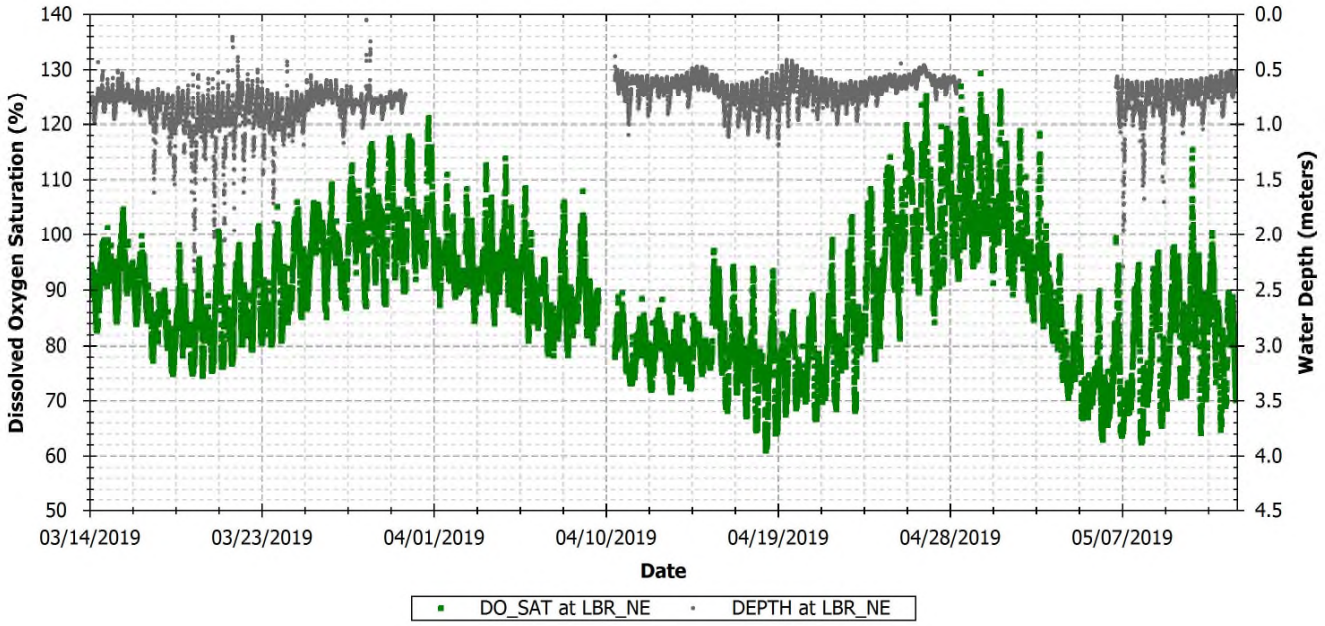


Figure B-7 Back River northeast observed DO saturation

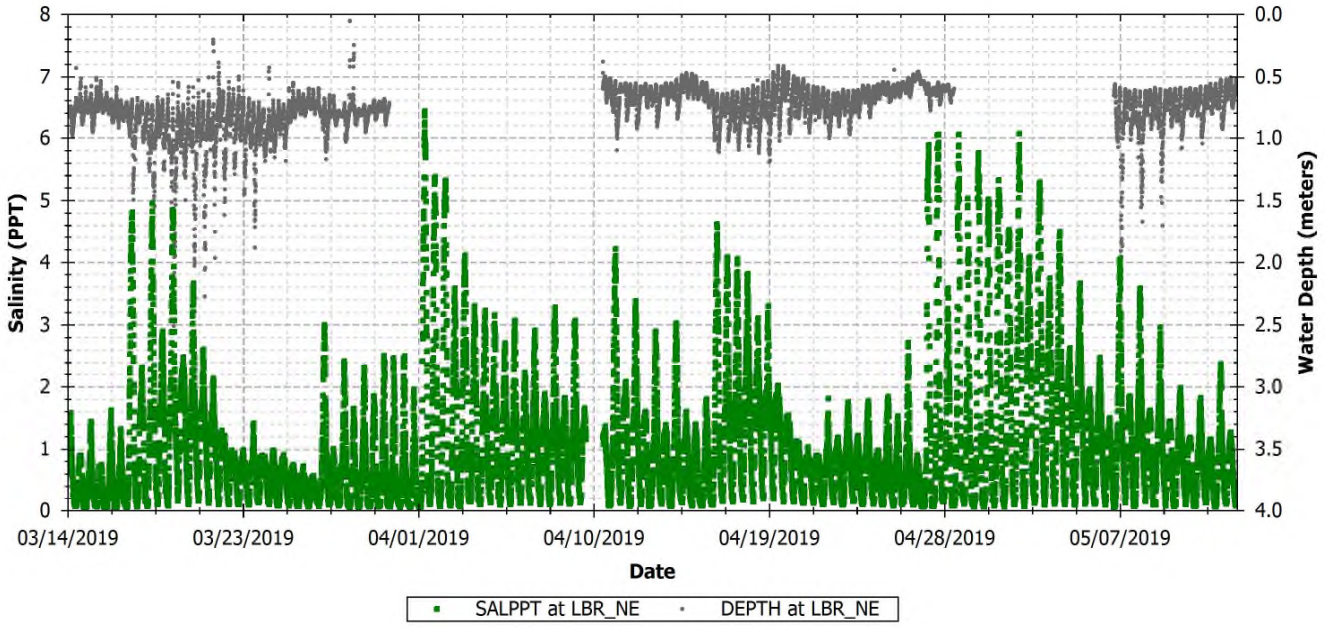


Figure B-8 Back River northeast observed salinity

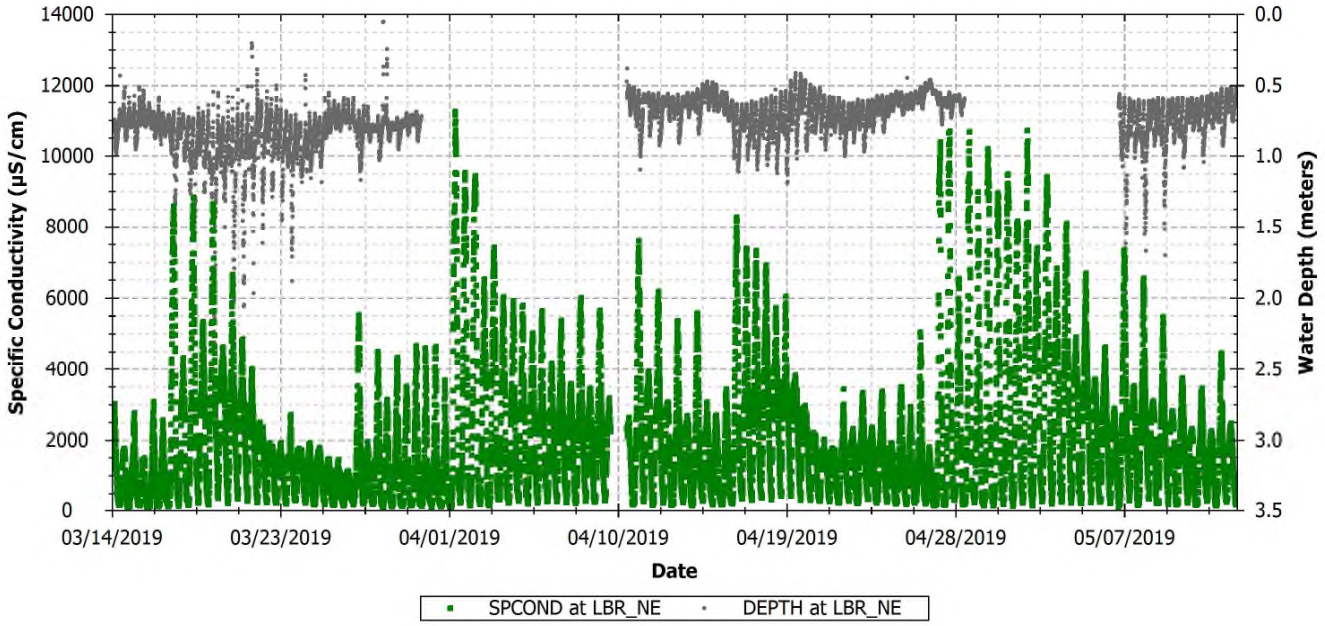


Figure B-9 Back River northeast observed specific conductivity

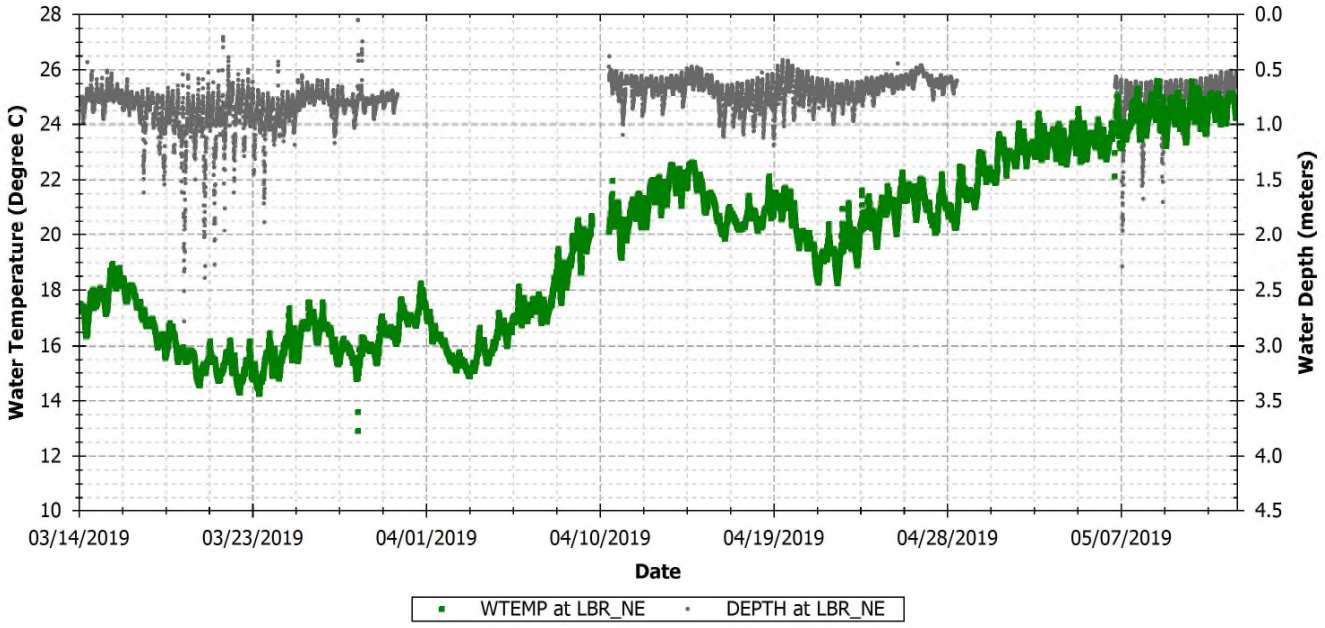


Figure B-10 Back River northeast observed water temperature

B.3 BACK RIVER NORTHWEST

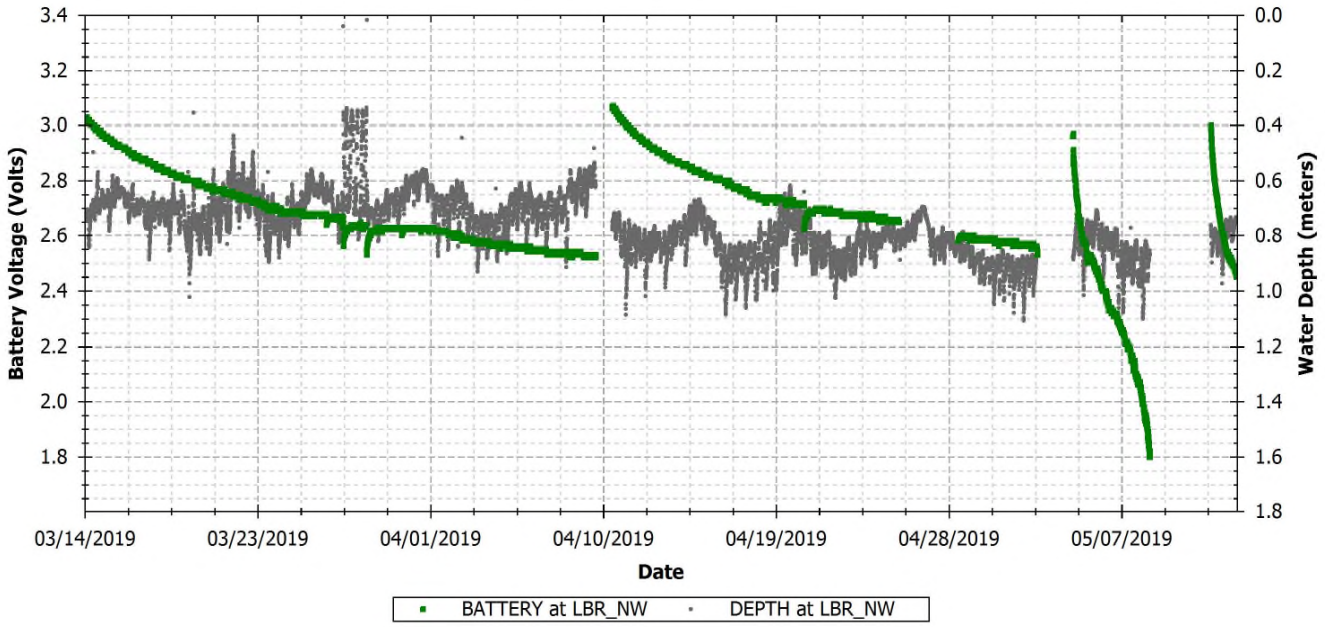


Figure B-11 Back River northwest observed battery

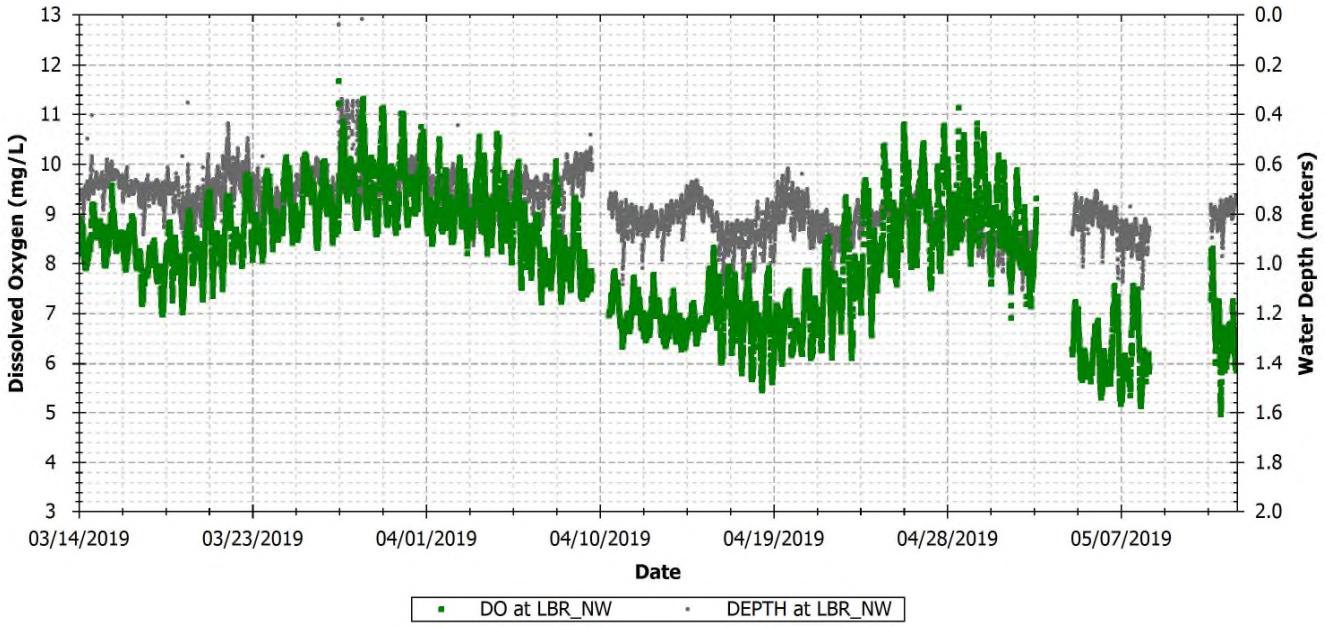


Figure B-12 Back River northwest observed DO concentration

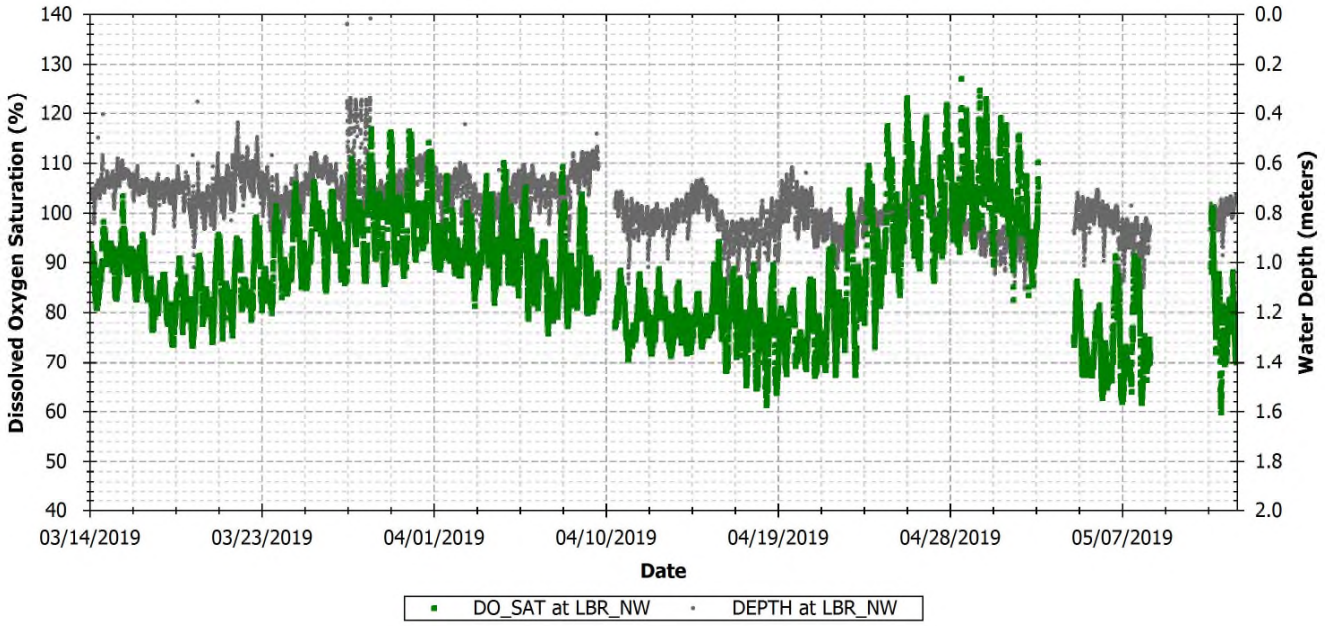


Figure B-13 Back River northwest observed DO saturation

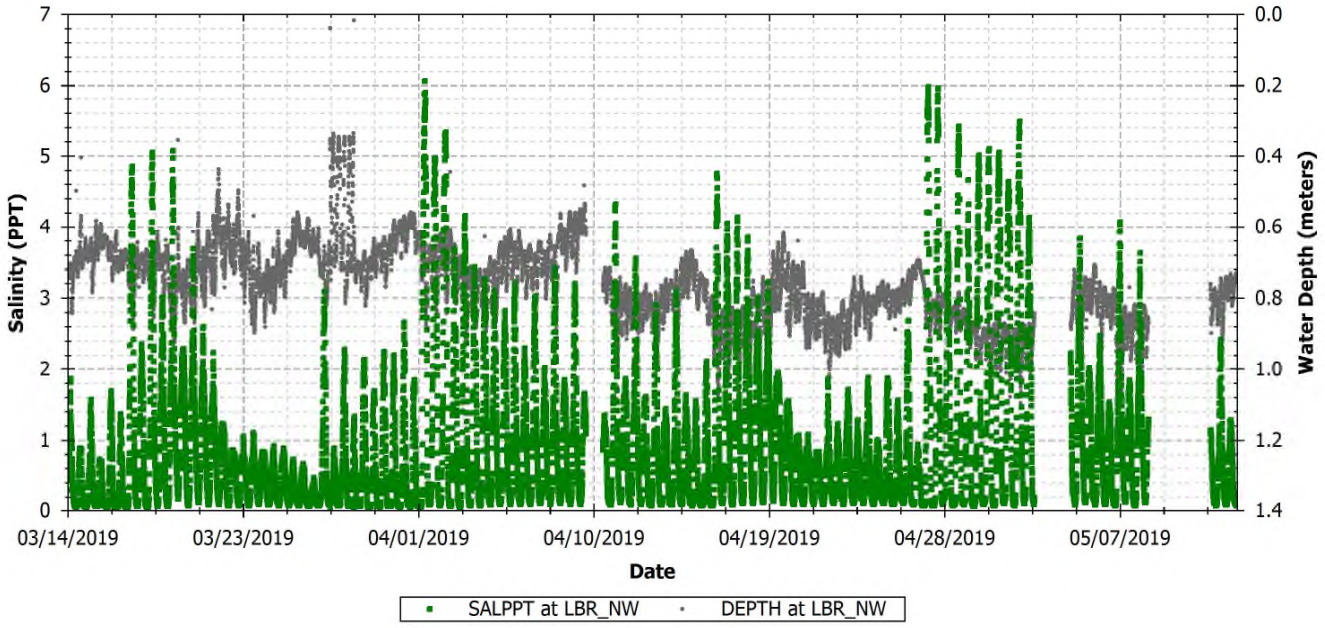


Figure B-14 Back River northwest south observed salinity

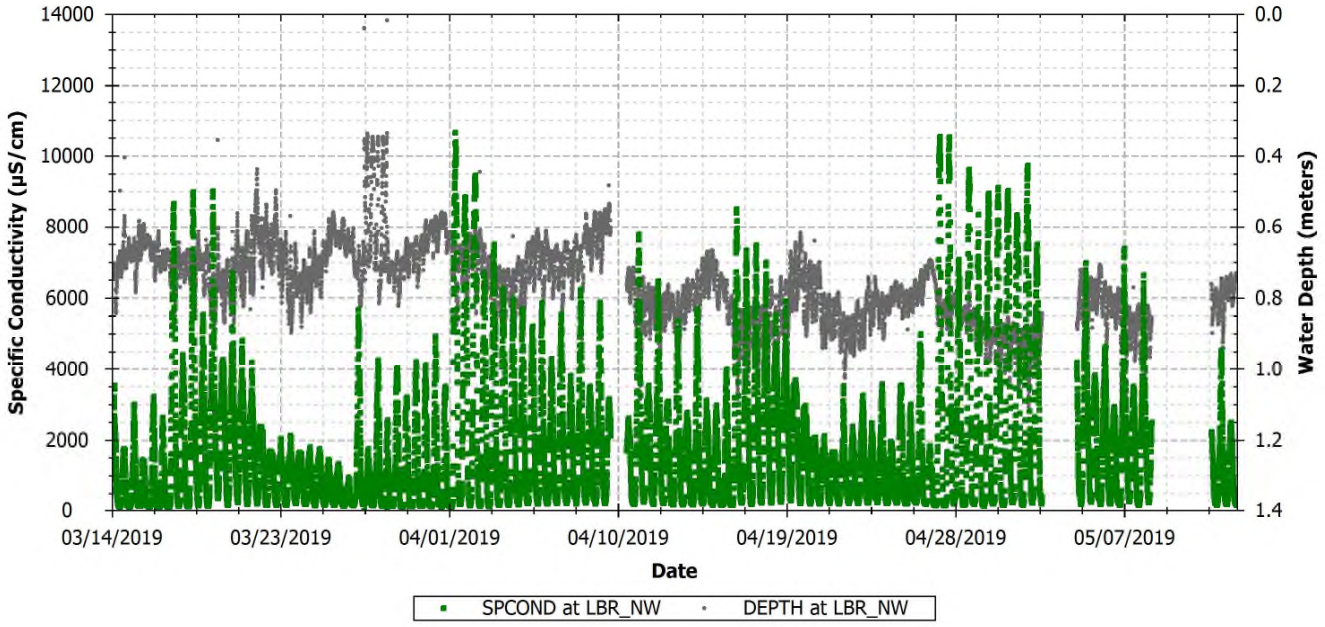


Figure B-15 Back River northwest observed specific conductivity

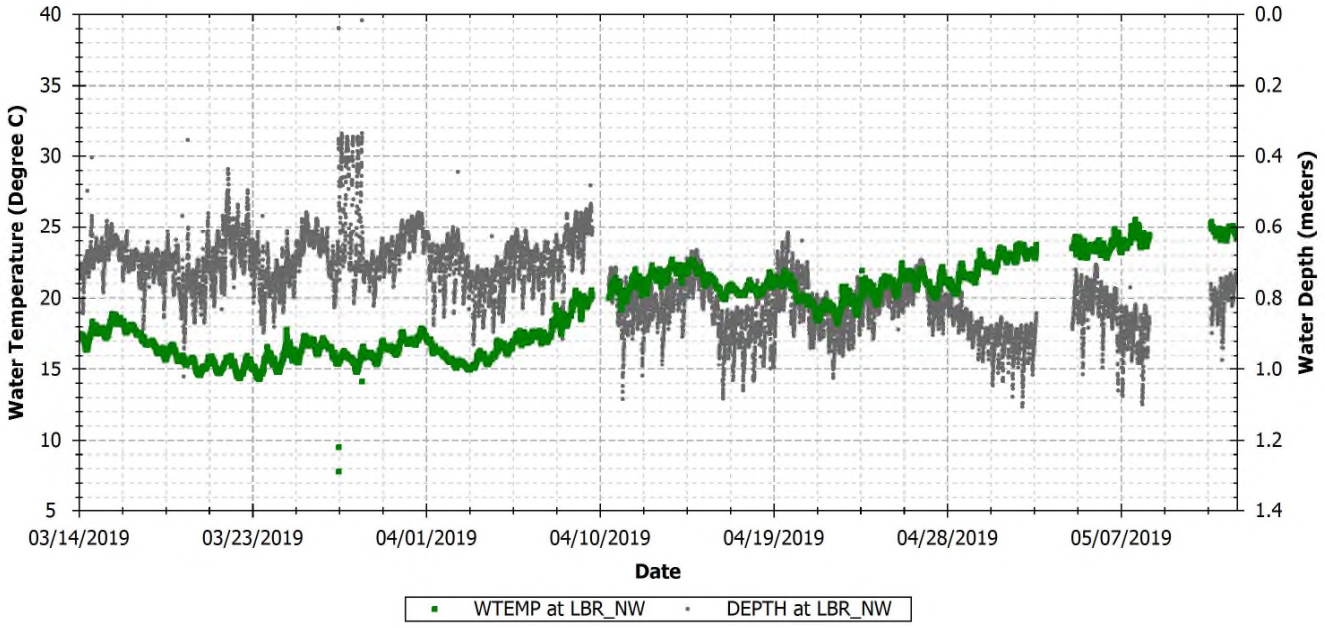


Figure B-16 Back River northwest observed water temperature

B.4 BACK RIVER SOUTHEAST

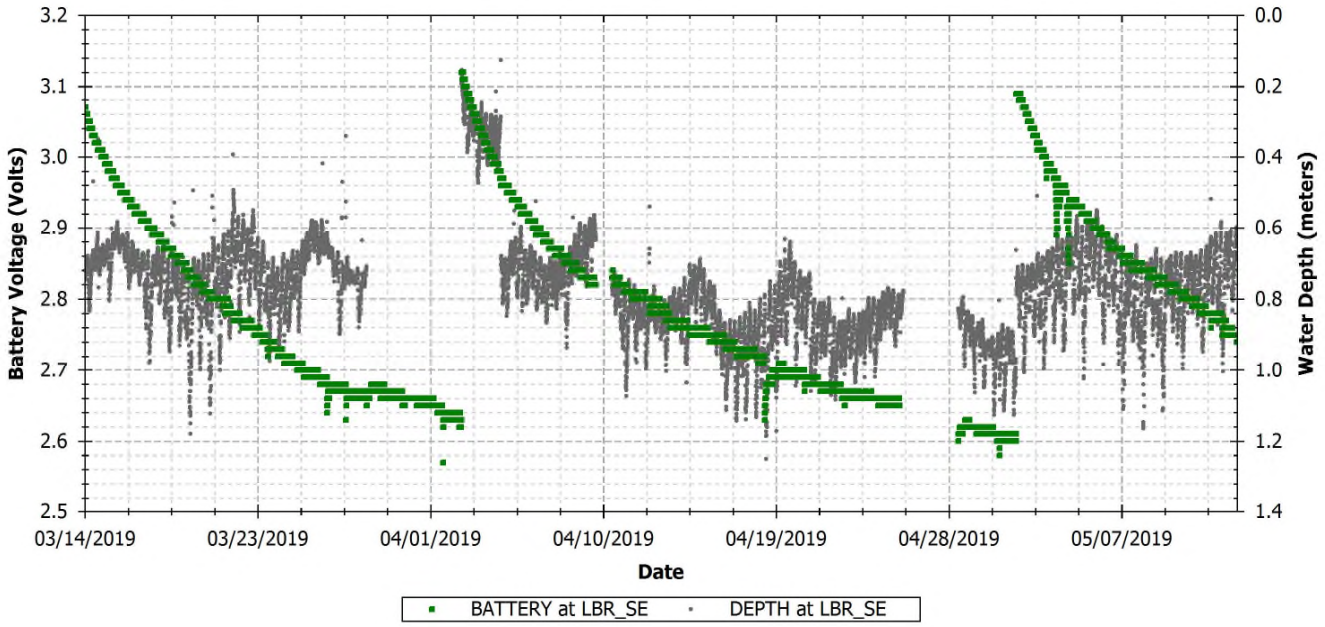


Figure B-17 Back River southeast observed battery

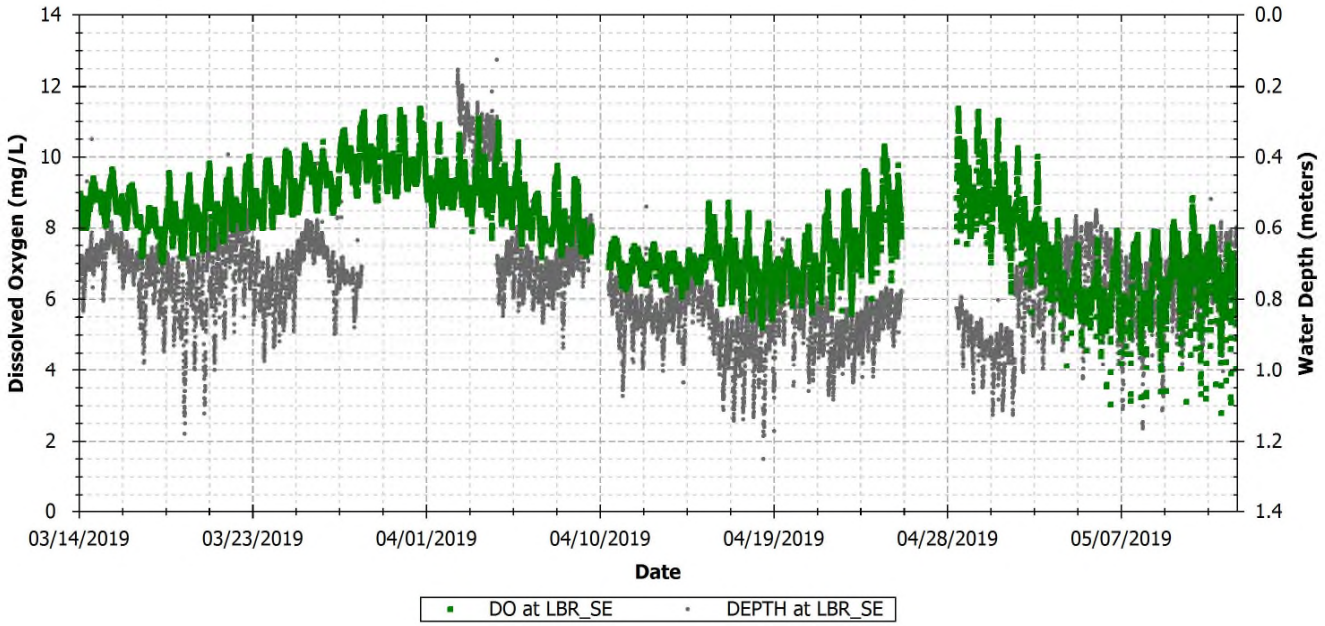


Figure B-18 Back River southeast observed DO concentration

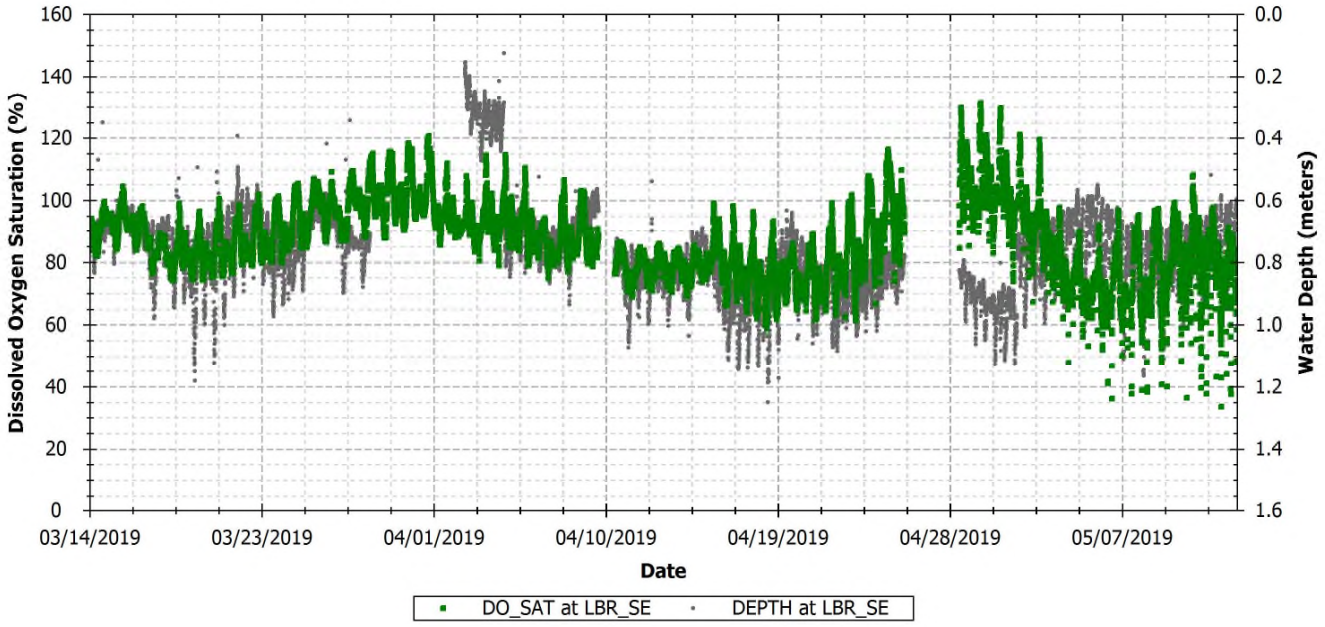


Figure B-19 Back River southeast observed DO saturation

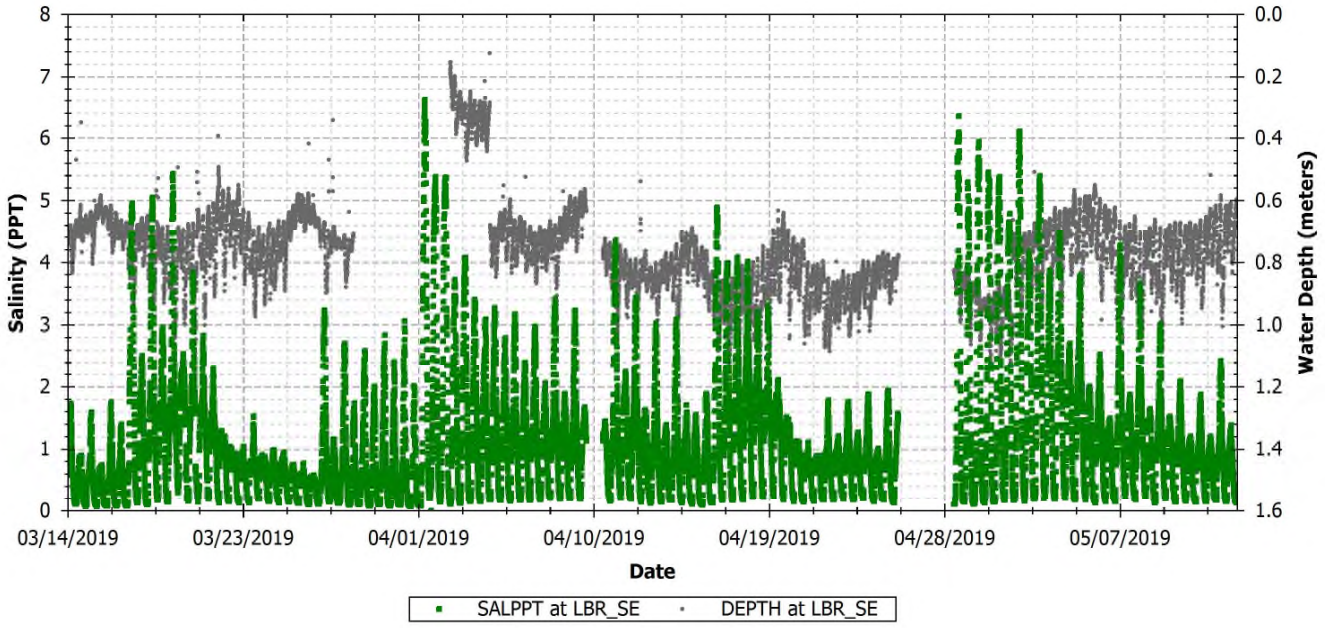


Figure B-20 Back River southeast observed salinity

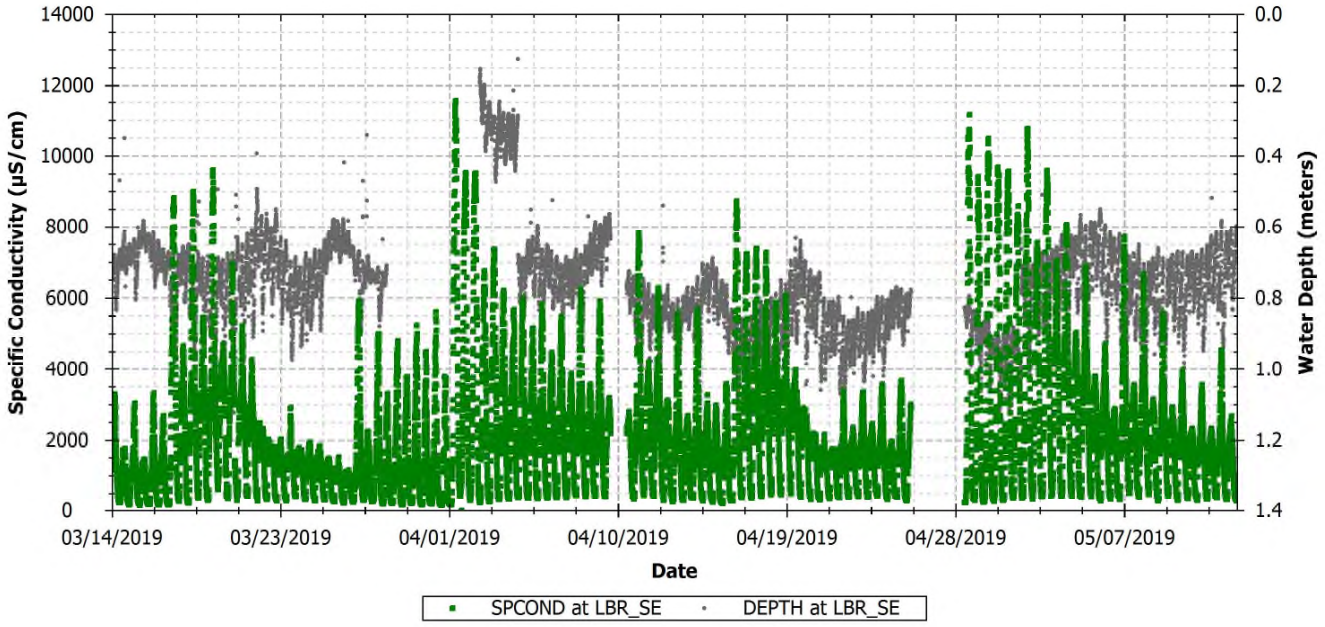


Figure B-21 Back River southeast observed specific conductivity

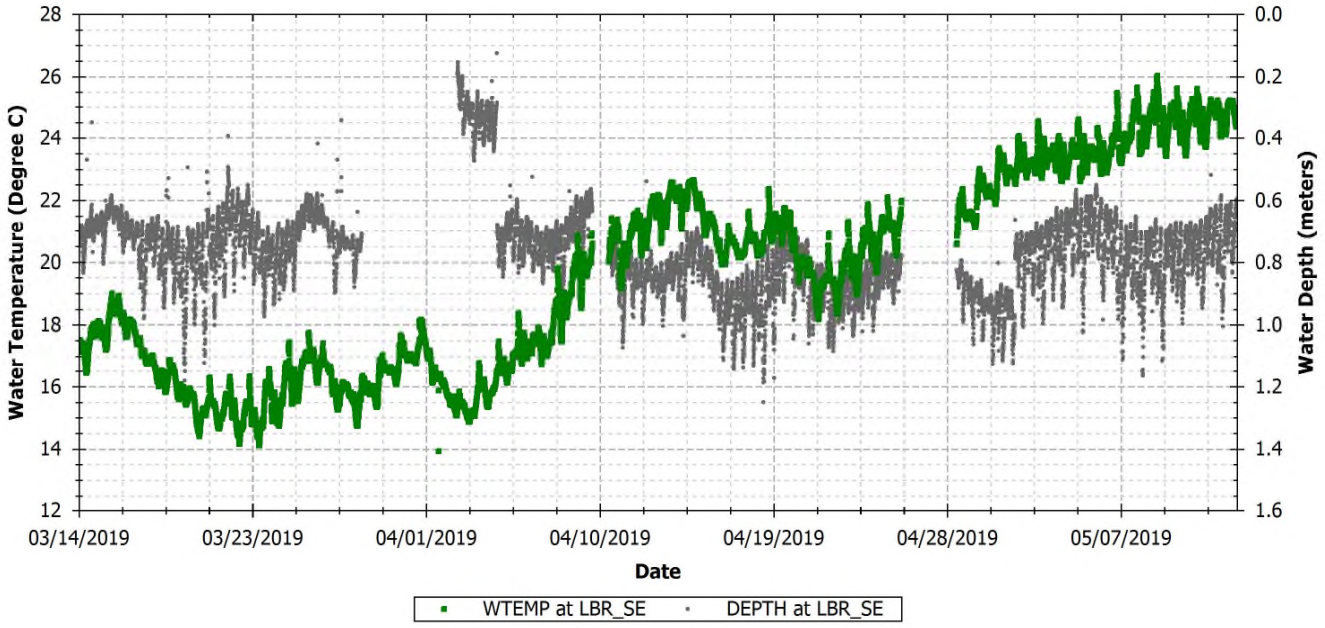


Figure B-22 Back River southeast observed water temperature

B.5 BACK RIVER SOUTHWEST

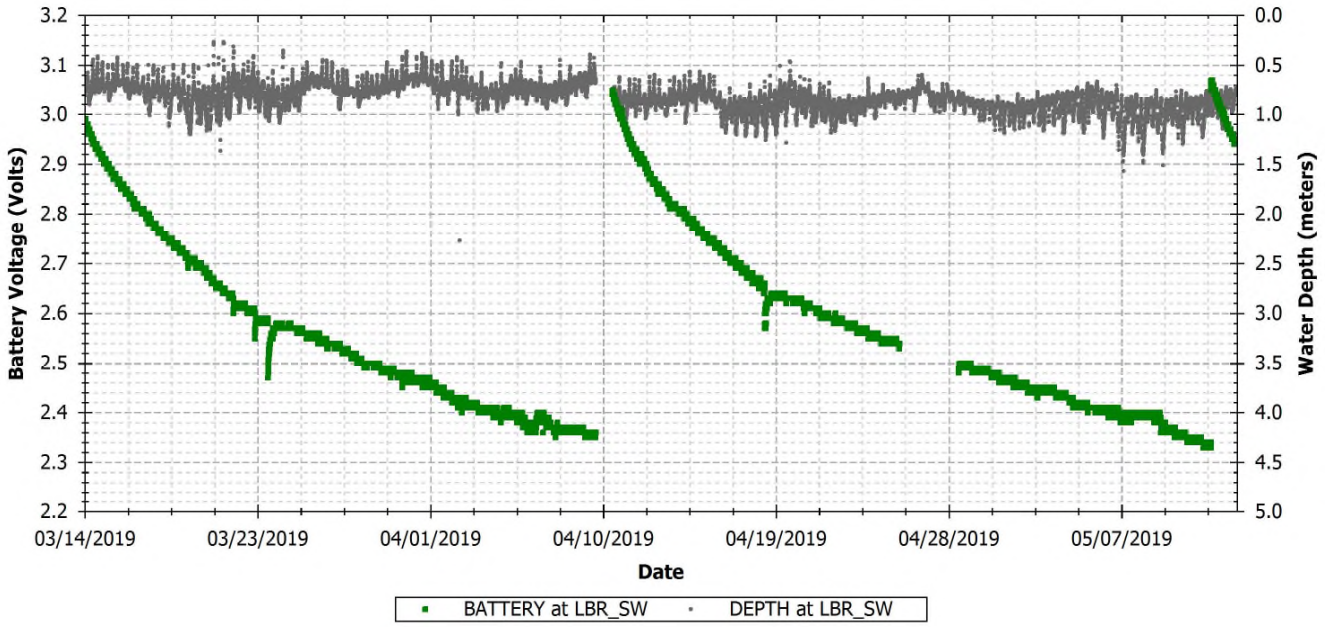
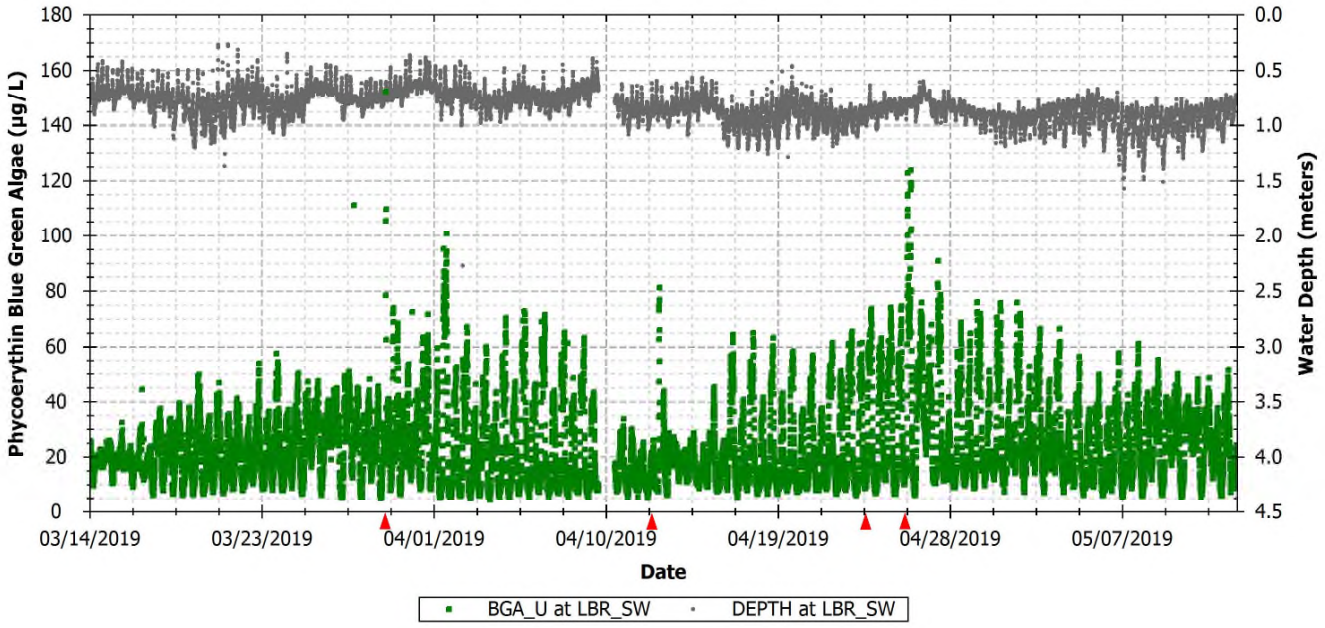


Figure B-23 Back River southwest observed battery



Note Red triangles between bottom of x-axis and dates identify approximate times of dye release

Figure B-24 Back River southwest observed BGA

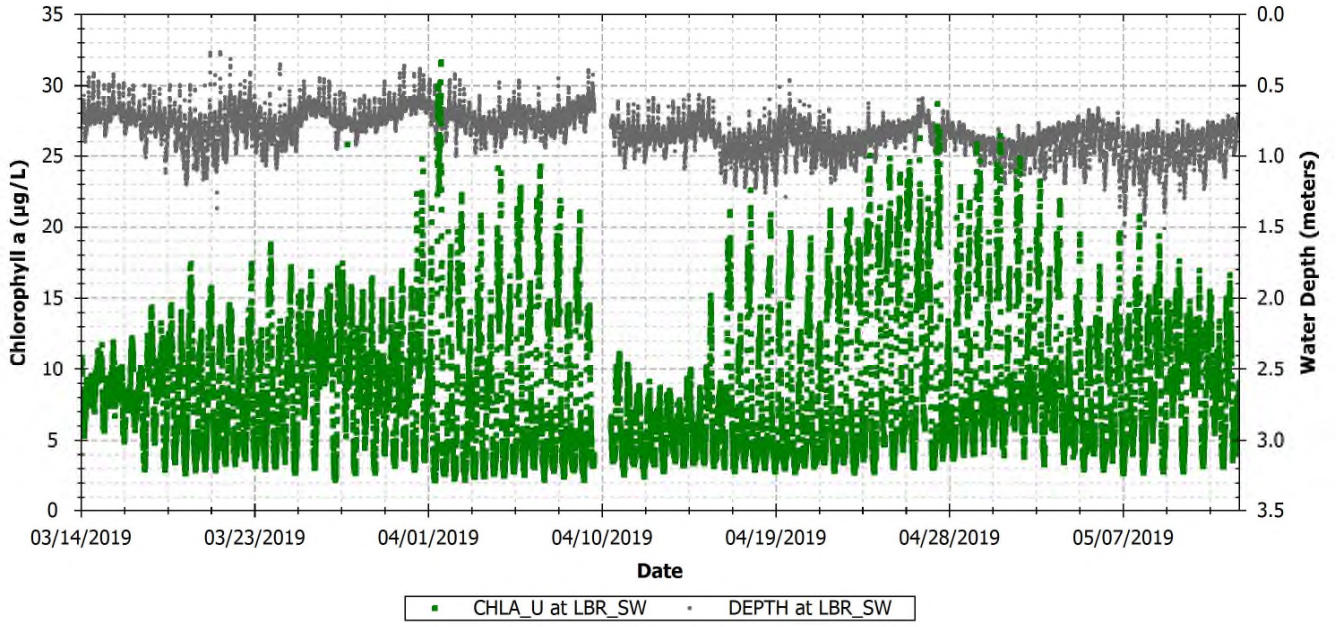


Figure B-25 Back River southwest observed chlorophyll a

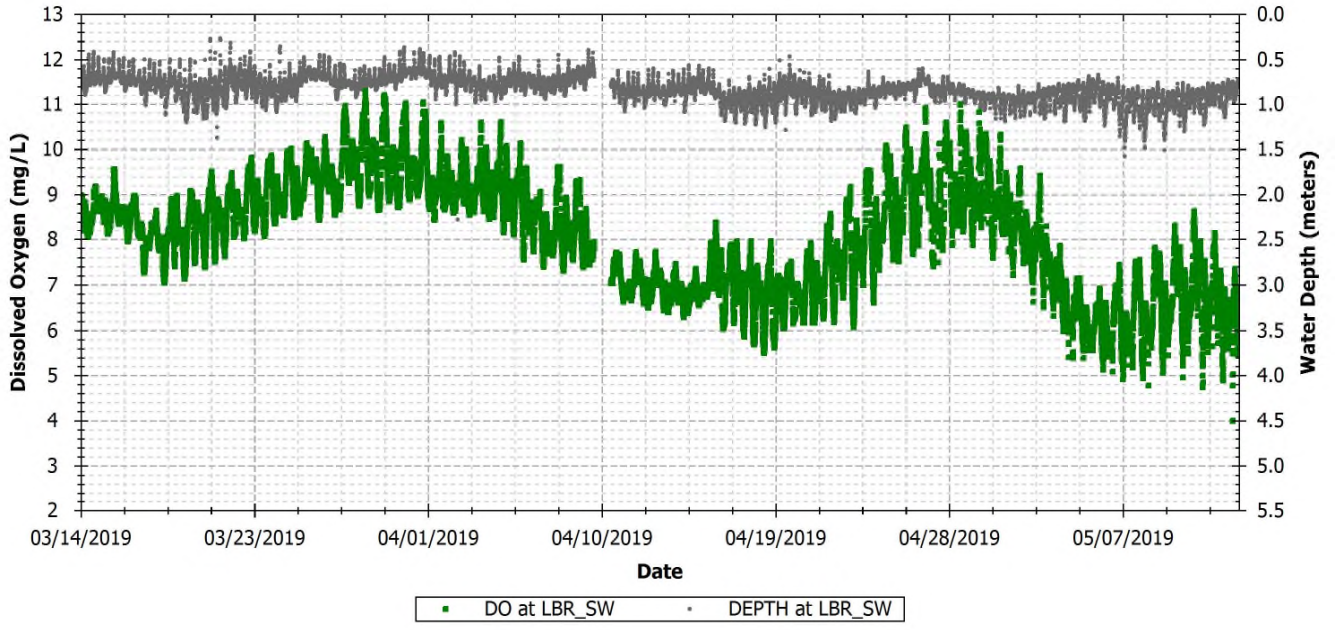


Figure B-26 Back River southwest observed DO concentration

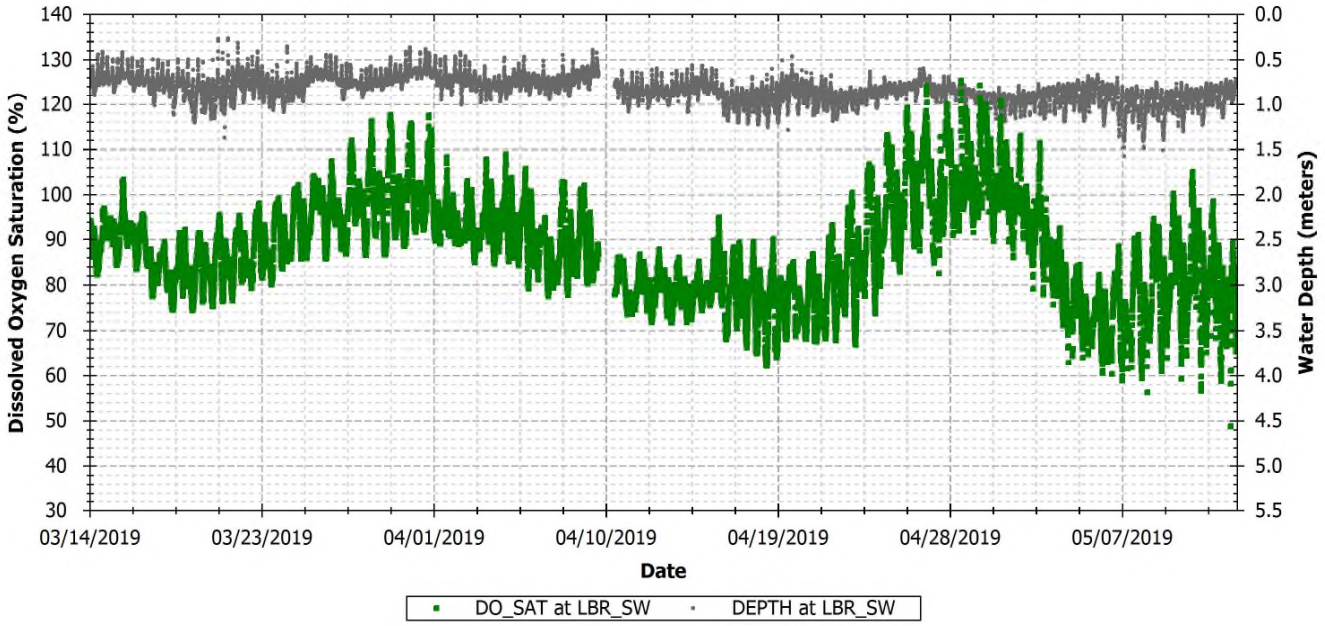


Figure B-27 Back River southwest observed DO saturation

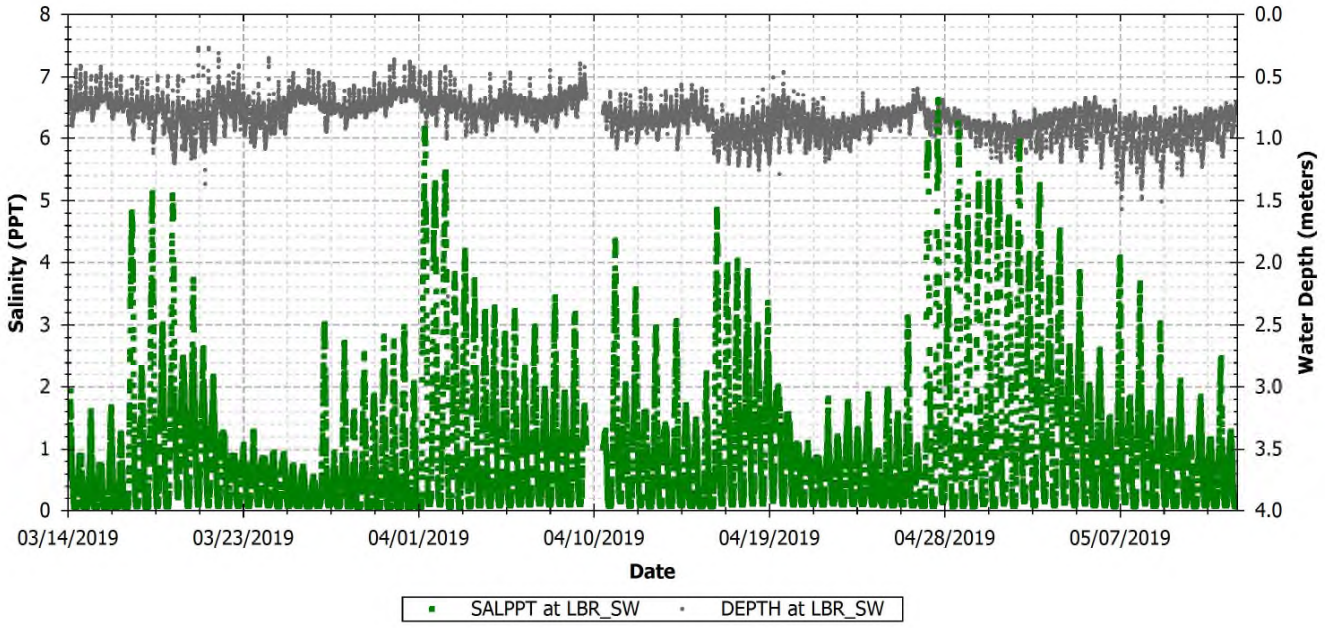


Figure B-28 Back River southwest observed salinity

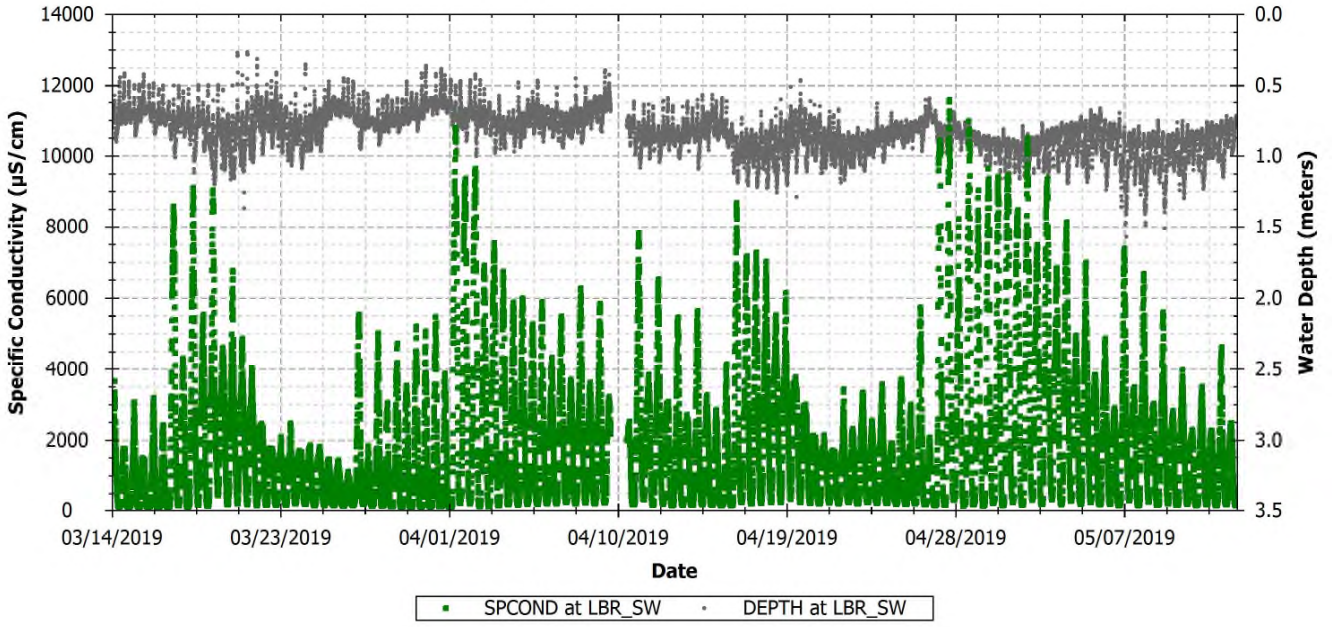


Figure B-29 Back River southwest observed specific conductivity

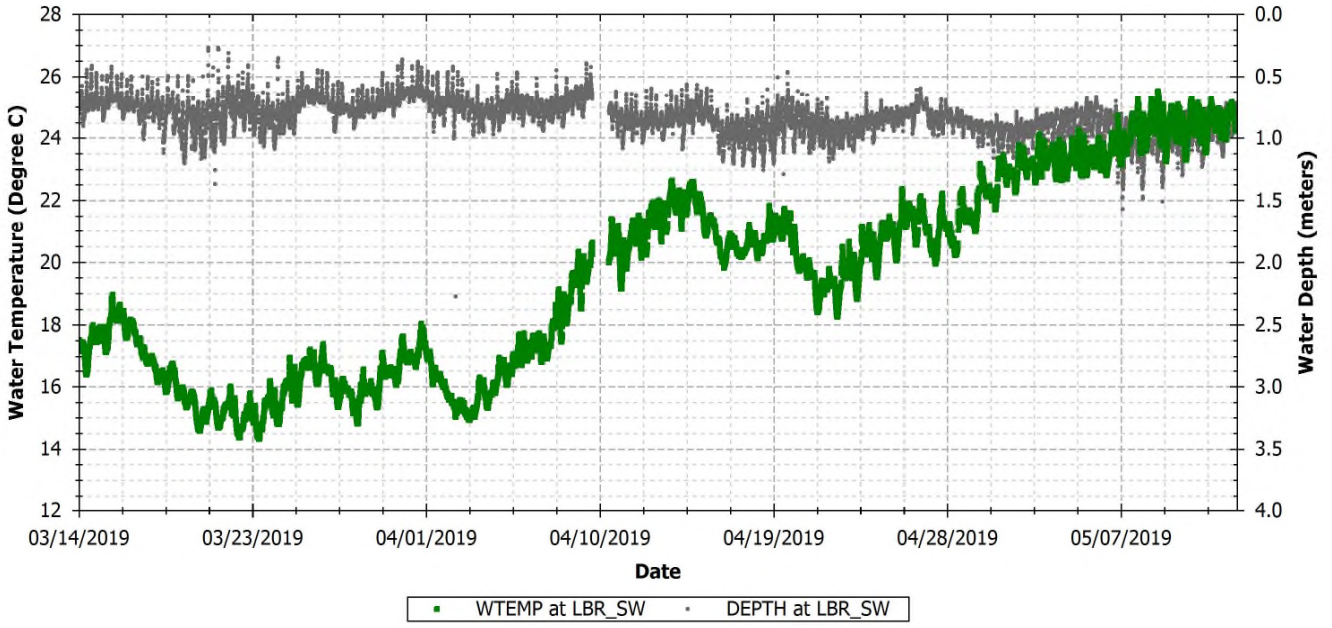


Figure B-30 Back River southwest observed water temperature

B.6 LOWER FRONT RIVER NORTH

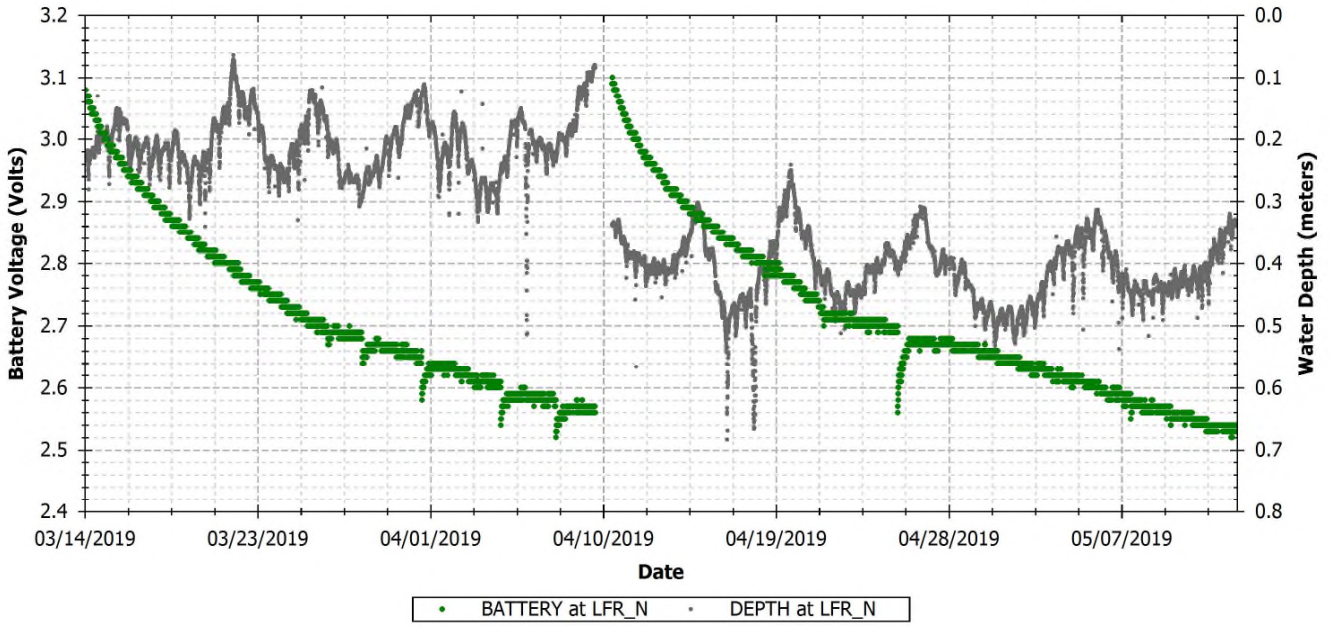


Figure B-31 Lower Front River north observed battery

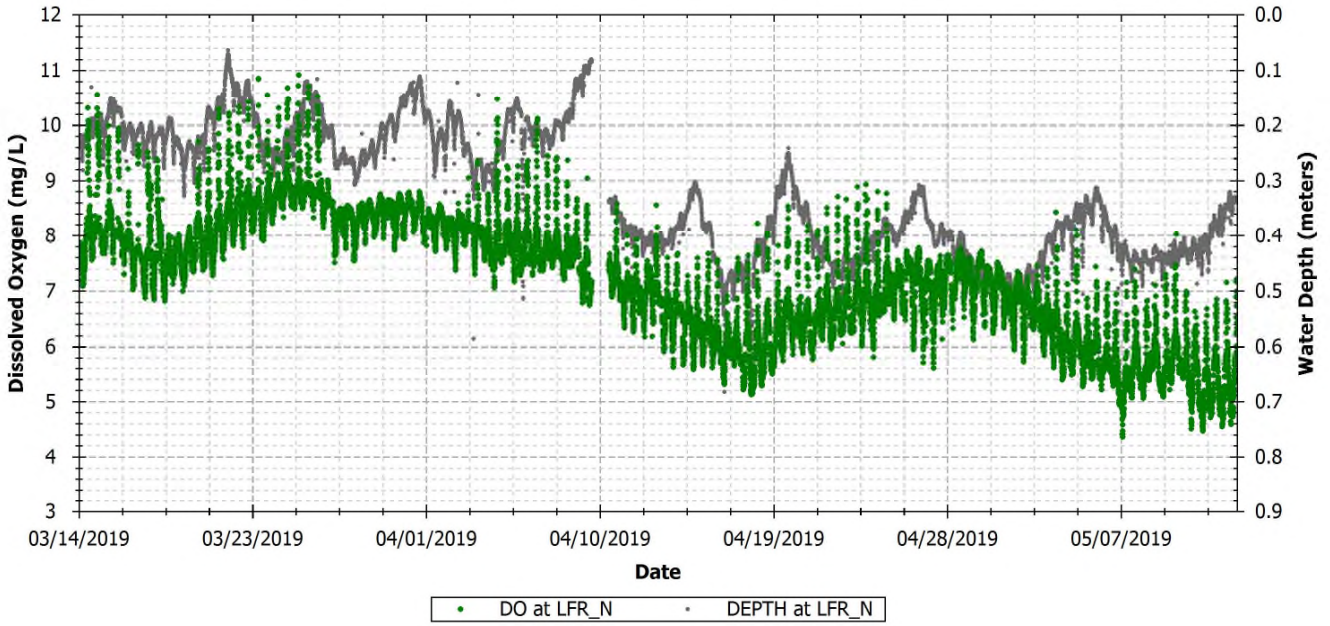


Figure B-32 Lower Front River north observed DO concentration

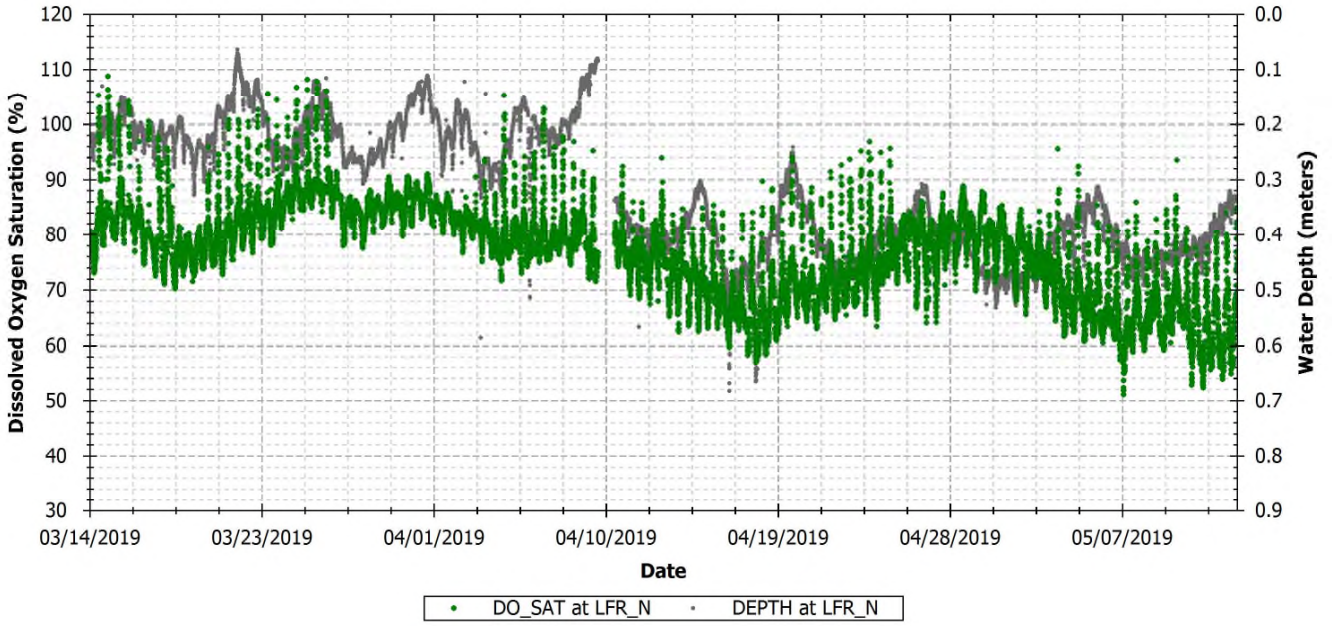


Figure B-33 Lower Front River north observed DO saturation

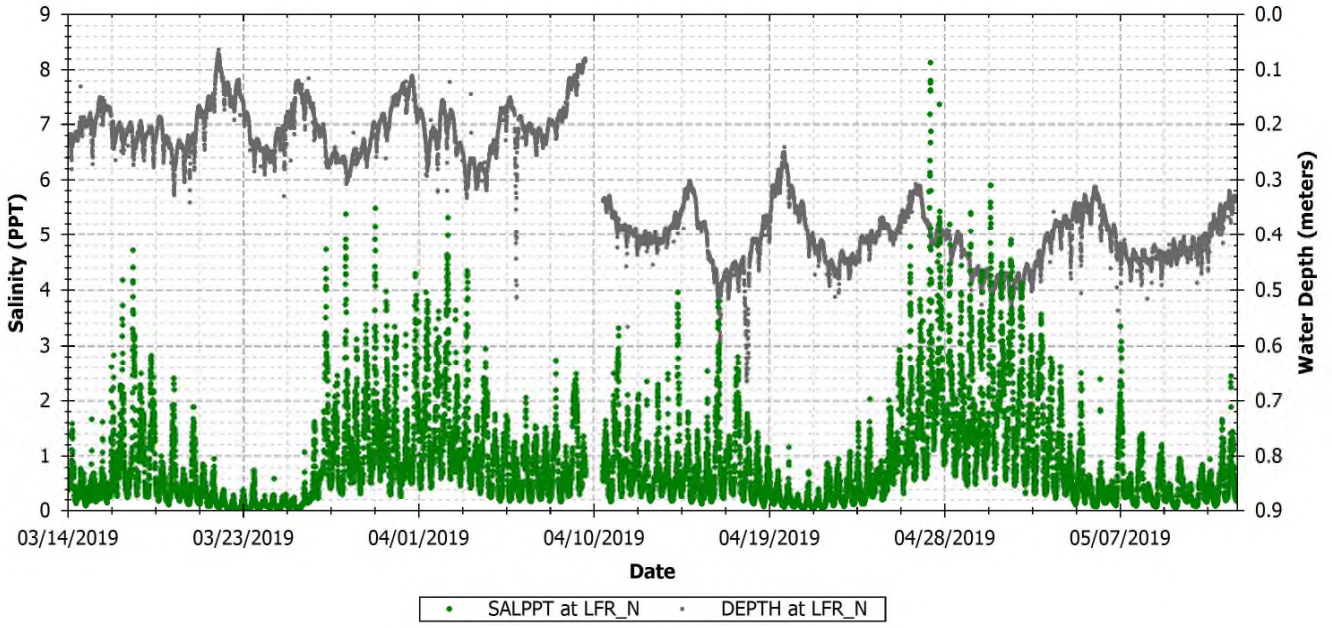


Figure B-34 Lower Front River north observed salinity

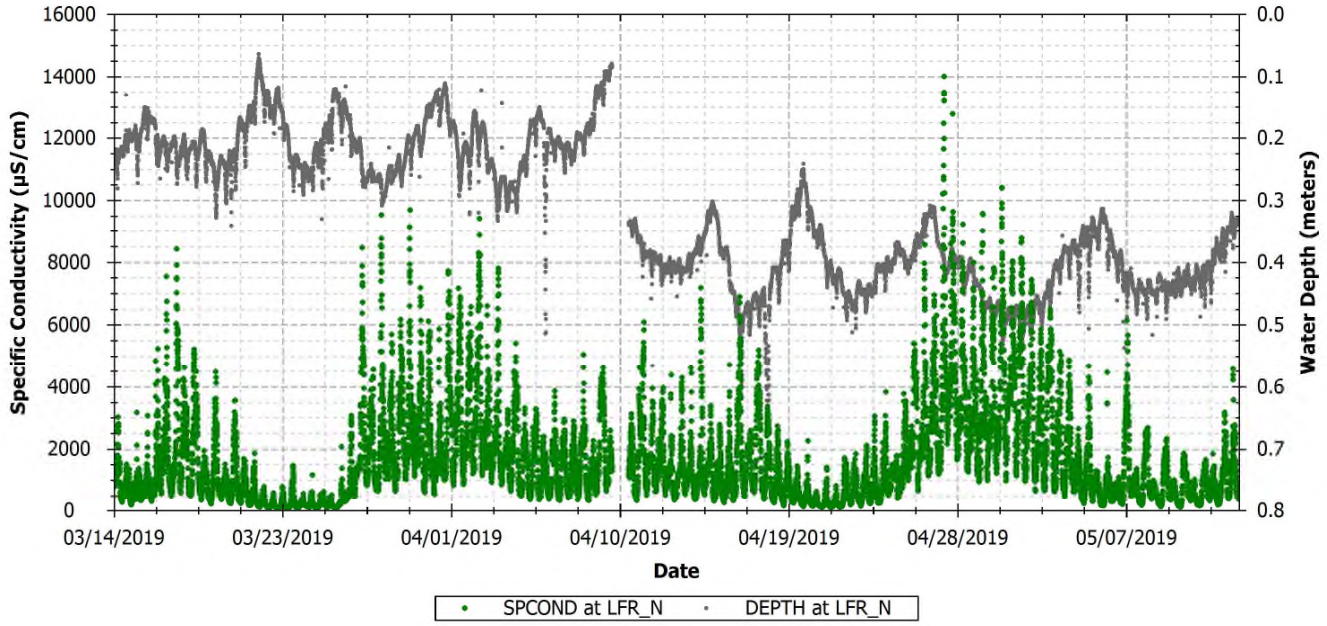


Figure B-35 Lower Front River north observed specific conductivity

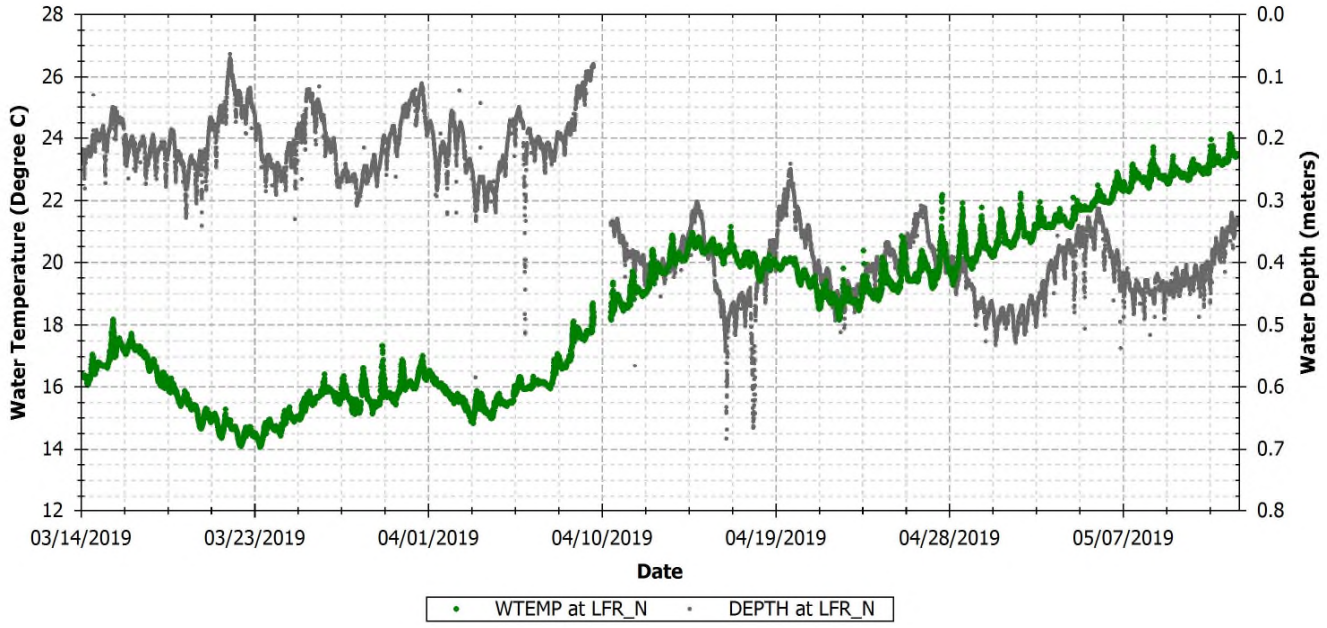


Figure B-36 Lower Front River north observed water temperature

B.7 LOWER FRONT RIVER SOUTH

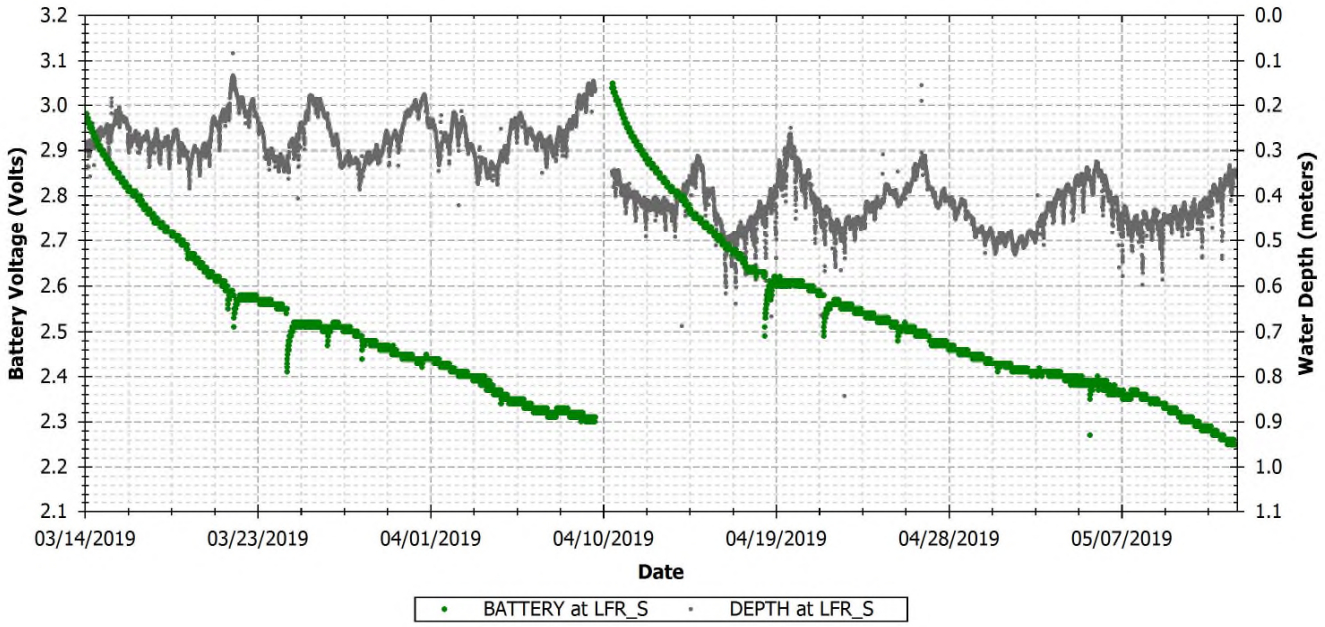
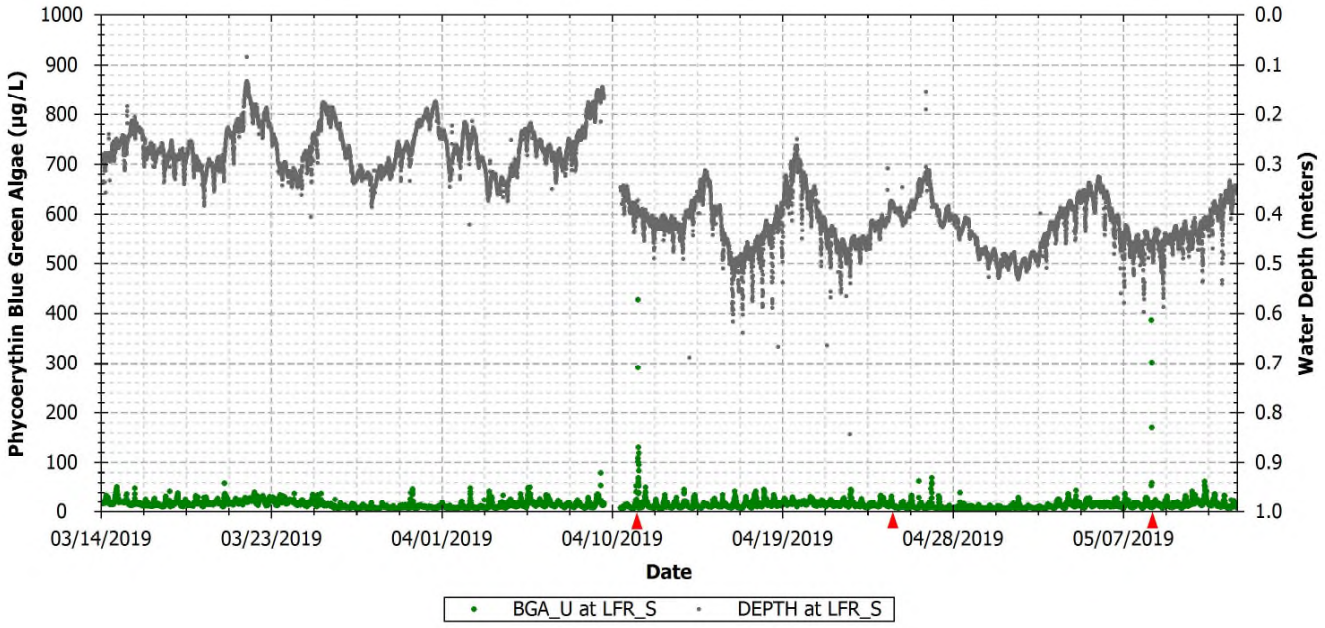


Figure B-37 Lower Front River south observed battery



Note Red triangles between bottom of x-axis and dates identify approximate times of dye release

Figure B-38 Lower Front River south observed BGA

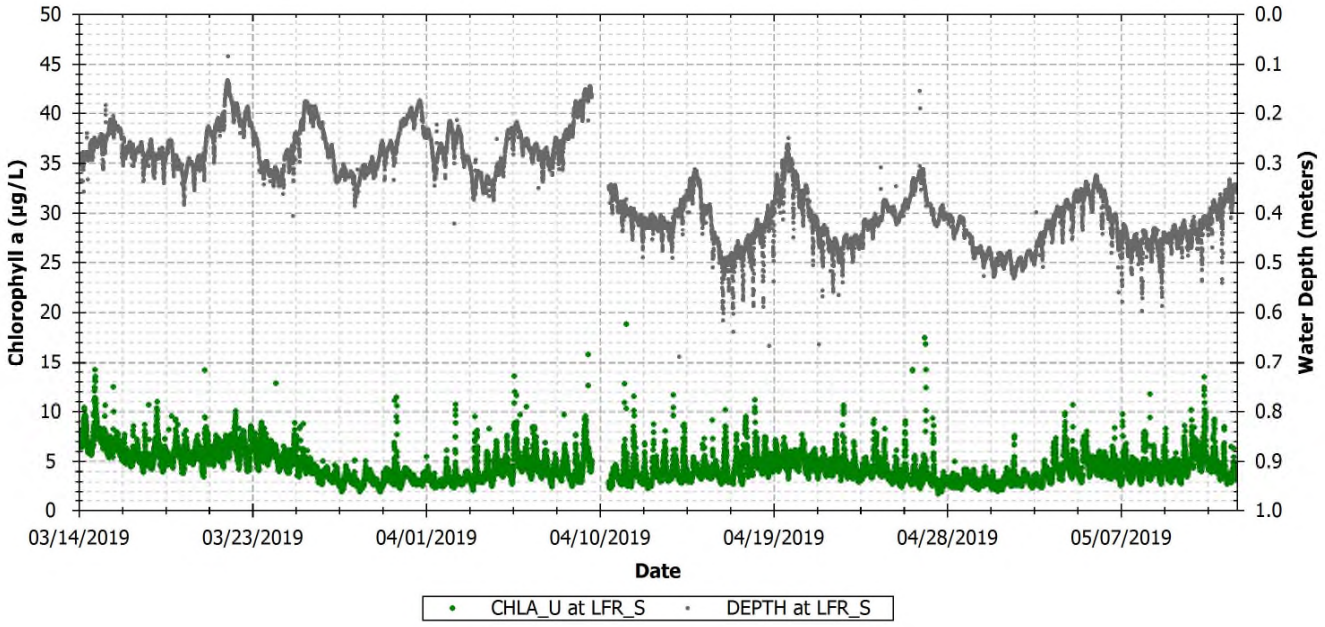


Figure B-39 Lower Front River south observed chlorophyll a

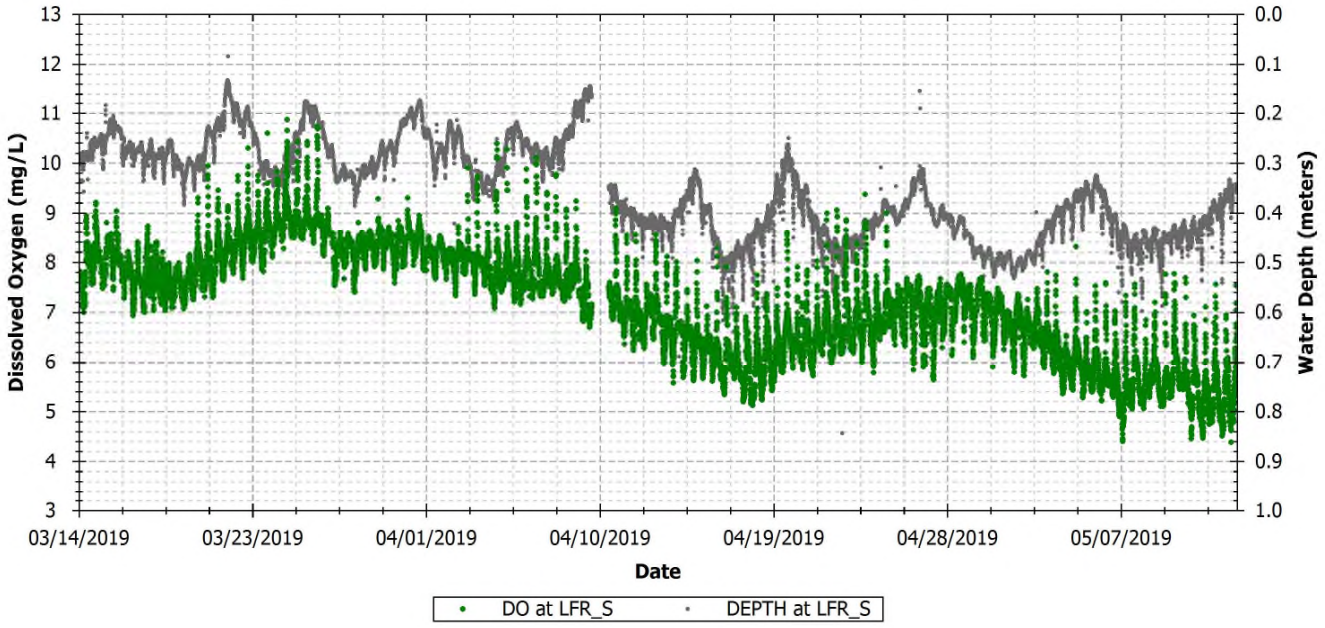


Figure B-40 Lower Front River south observed DO concentration

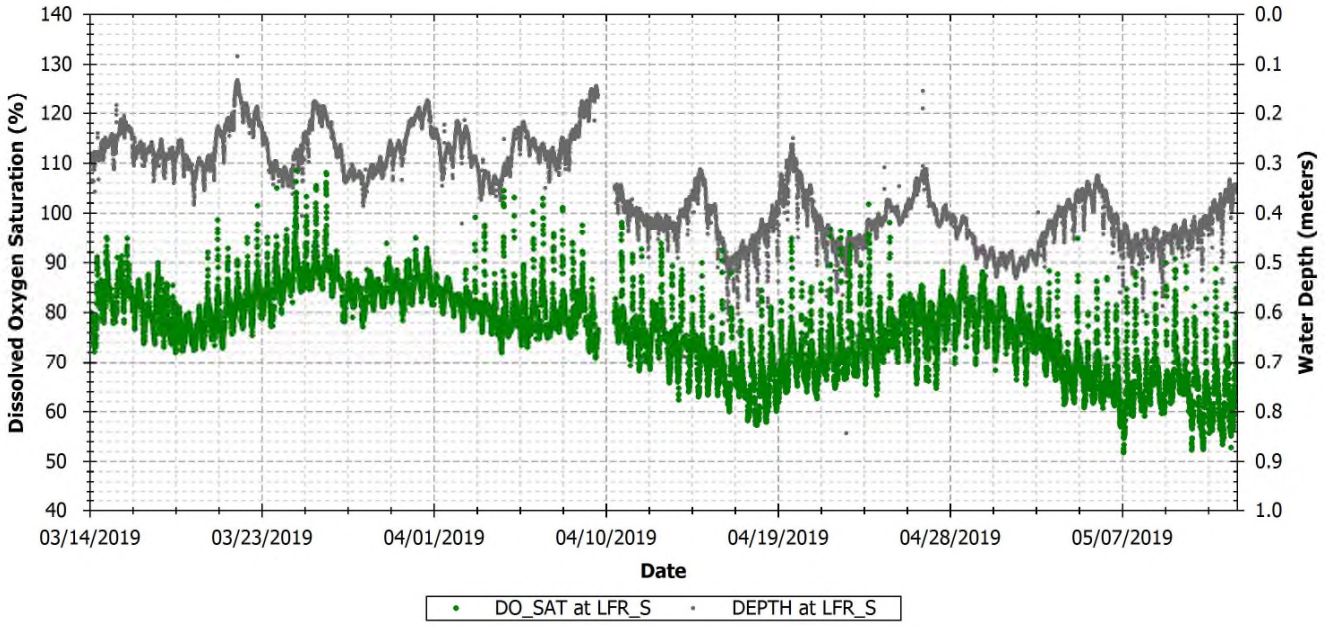


Figure B-41 Lower Front River south observed DO saturation

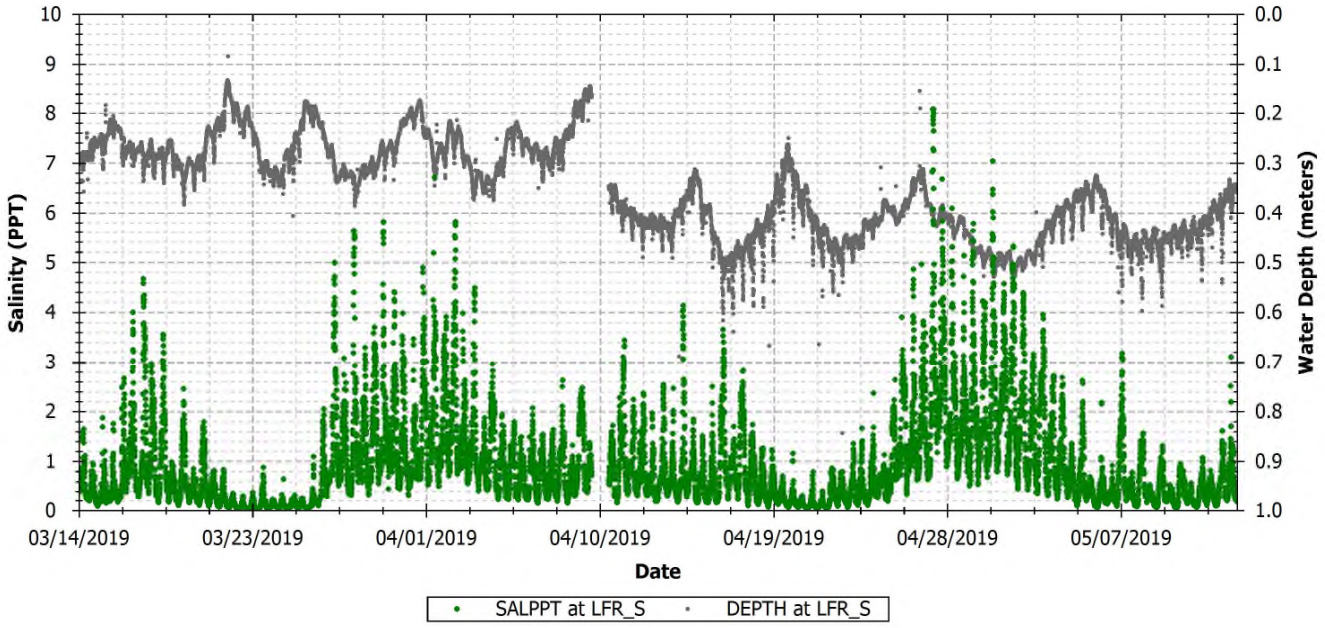


Figure B-42 Lower Front River south observed salinity

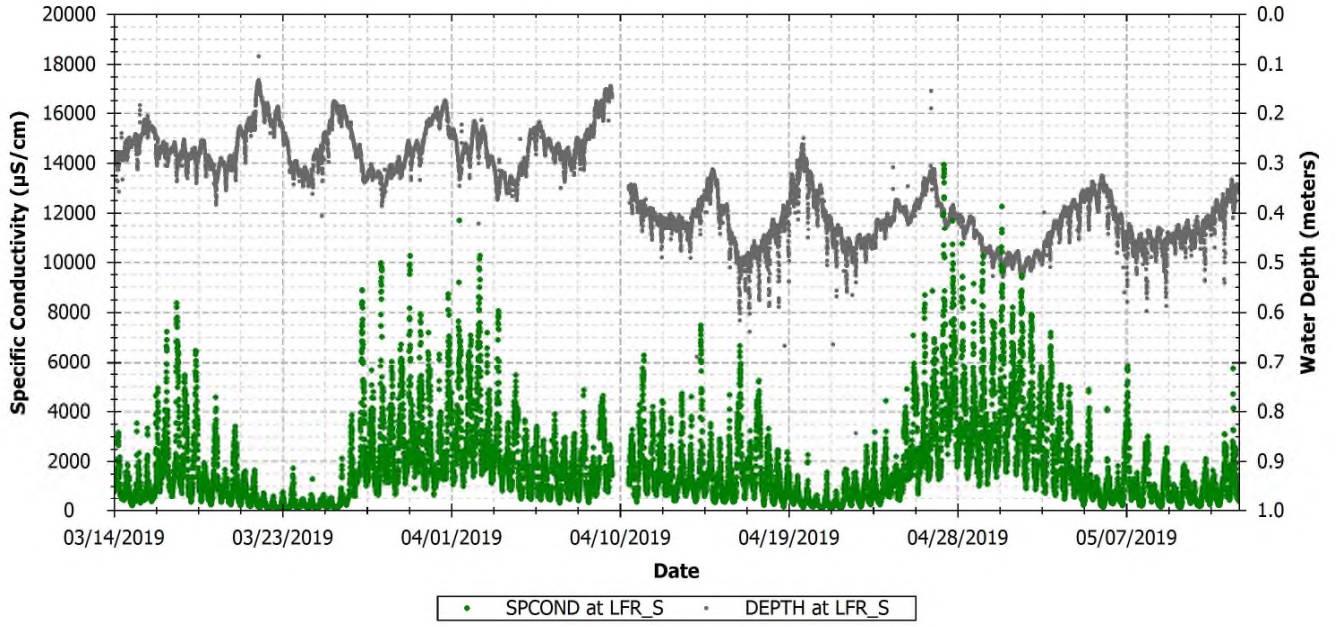


Figure B-43 Lower Front River south observed specific conductivity

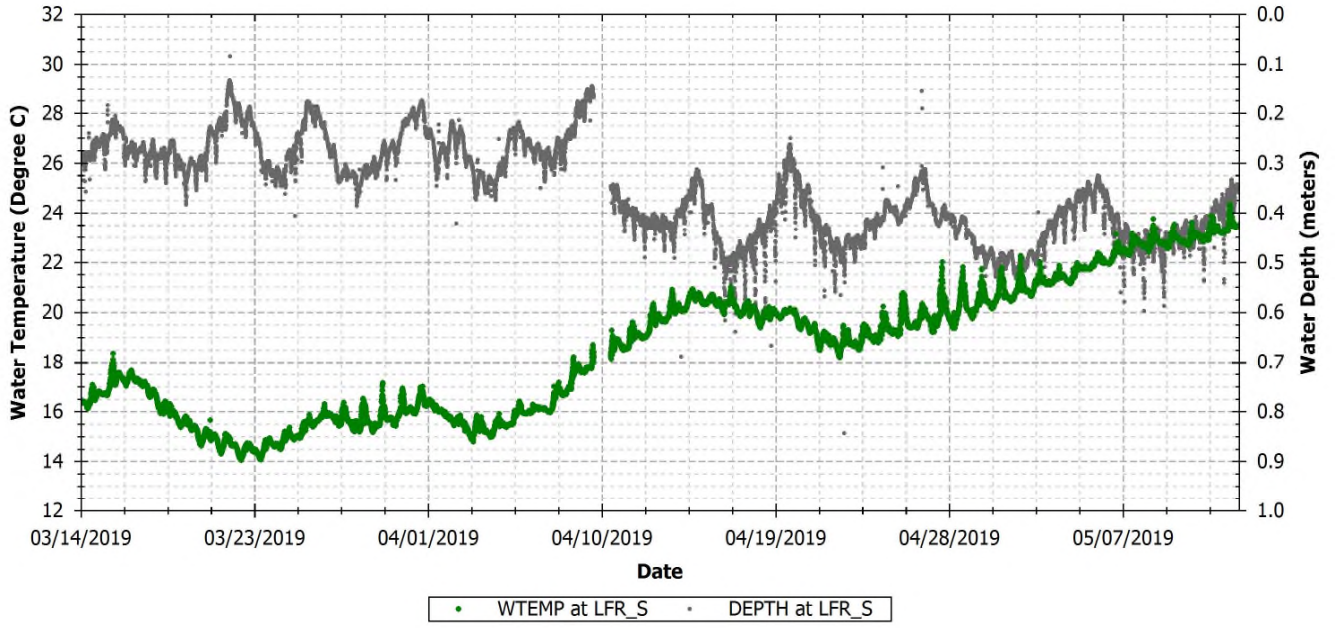


Figure B-44 Lower Front River south observed water temperature

B.8 LOWER FRONT RIVER ADDITIONAL

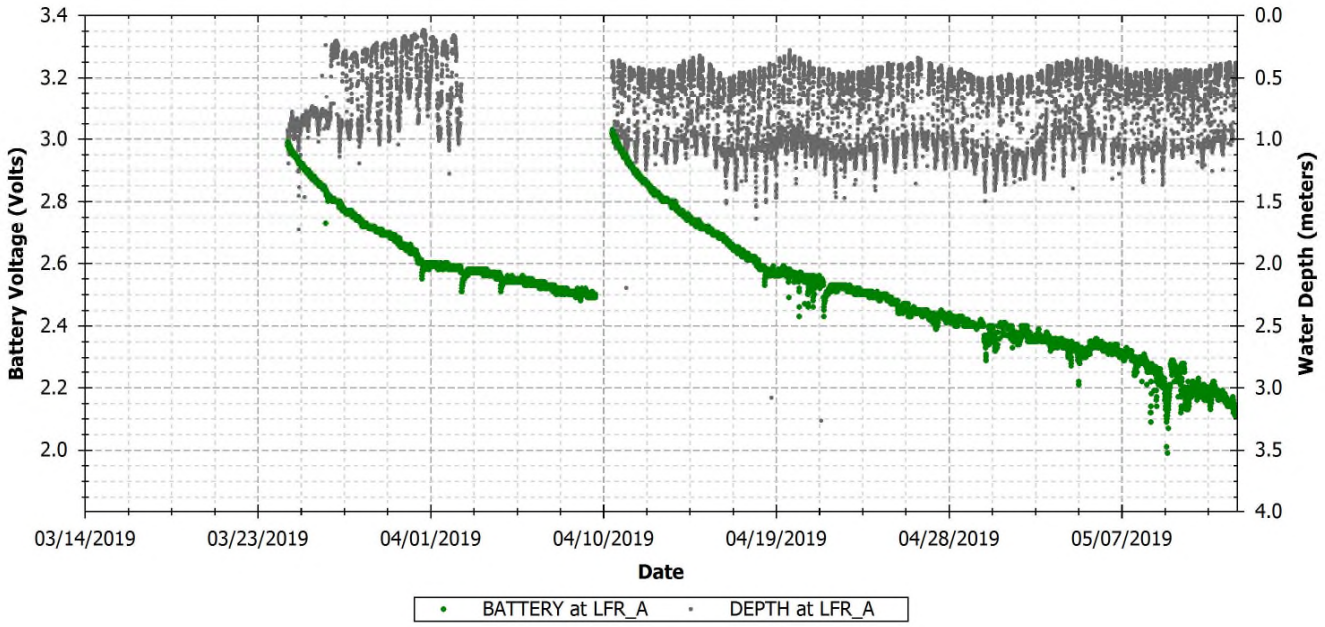
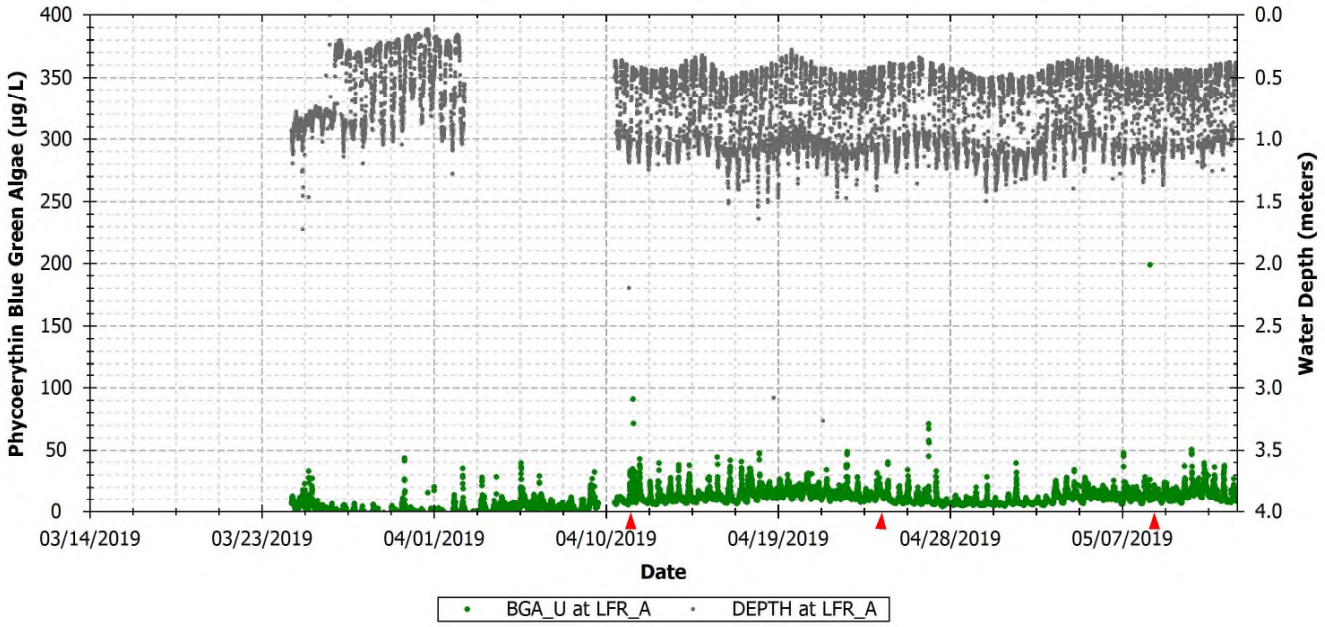


Figure B-45 Lower Front River additional observed battery



Note Red triangles between bottom of x-axis and dates identify approximate times of dye release

Figure B-46 Lower Front River additional observed BGA

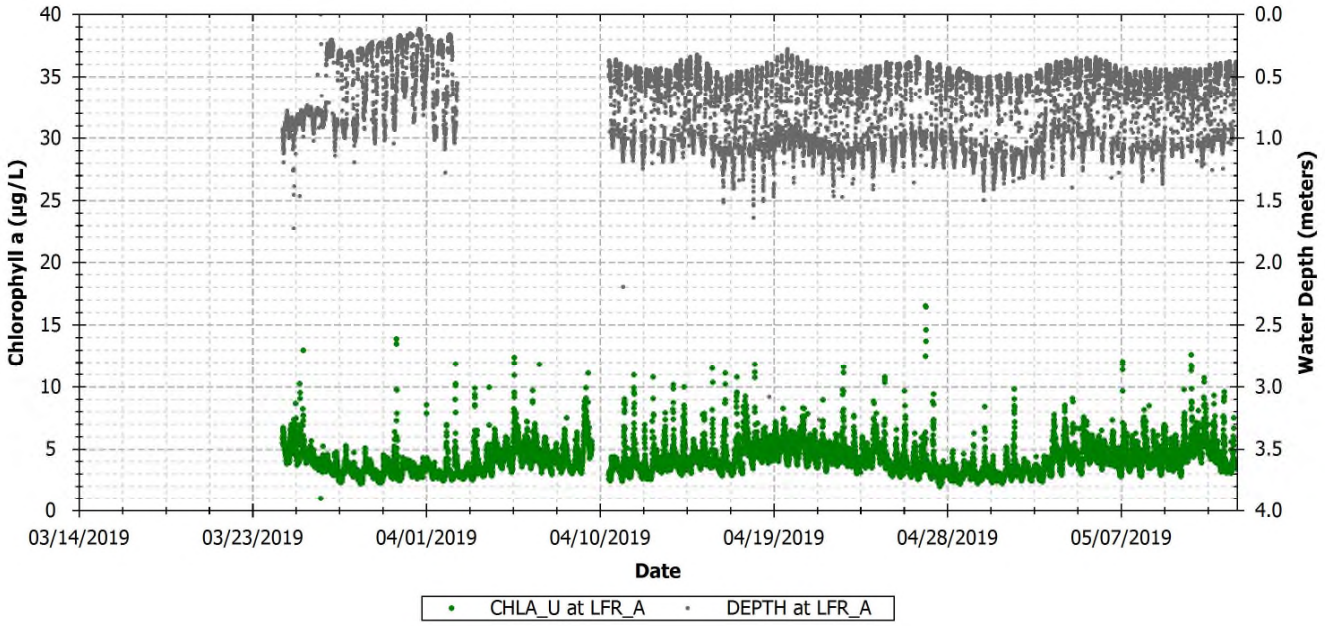


Figure B-47 Lower Front River additional observed chlorophyll a

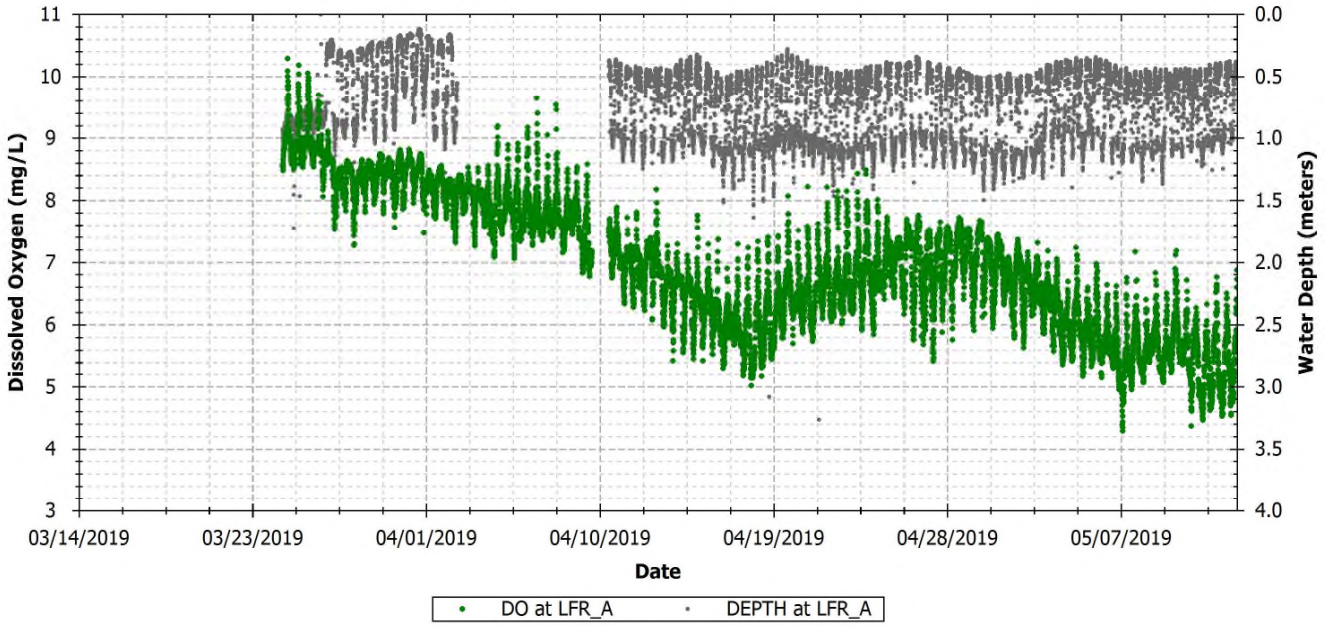


Figure B-48 Lower Front River additional observed DO concentration

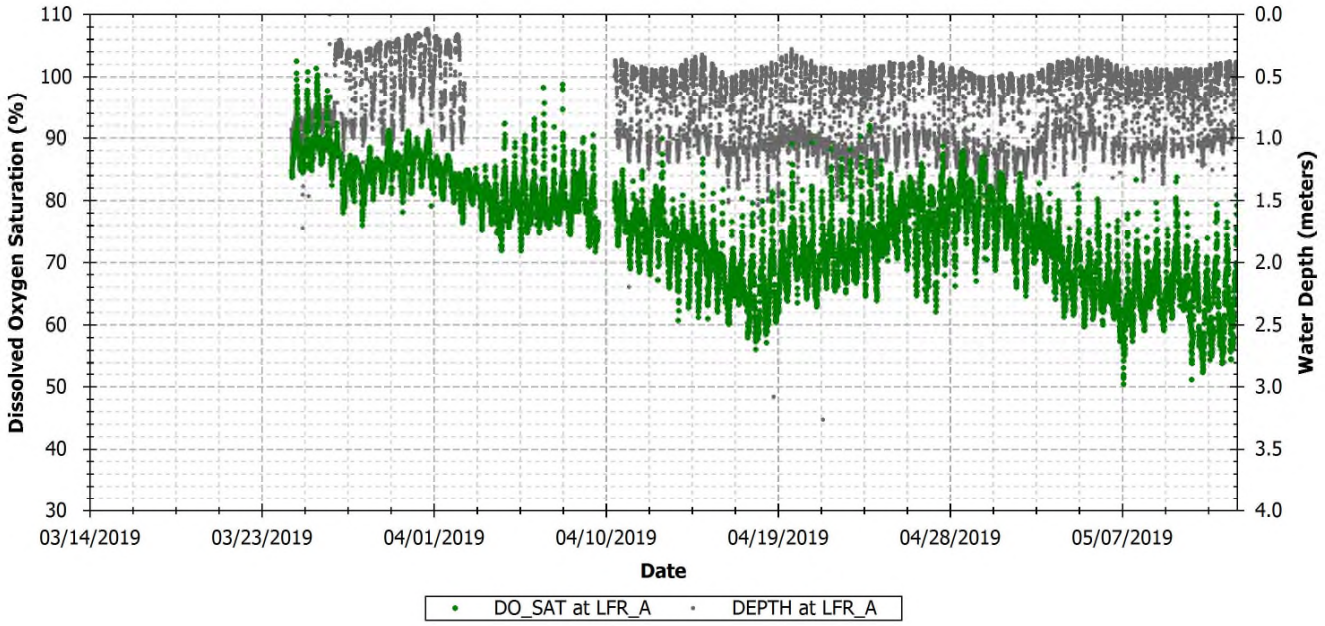


Figure B-49 Lower Front River additional observed DO saturation

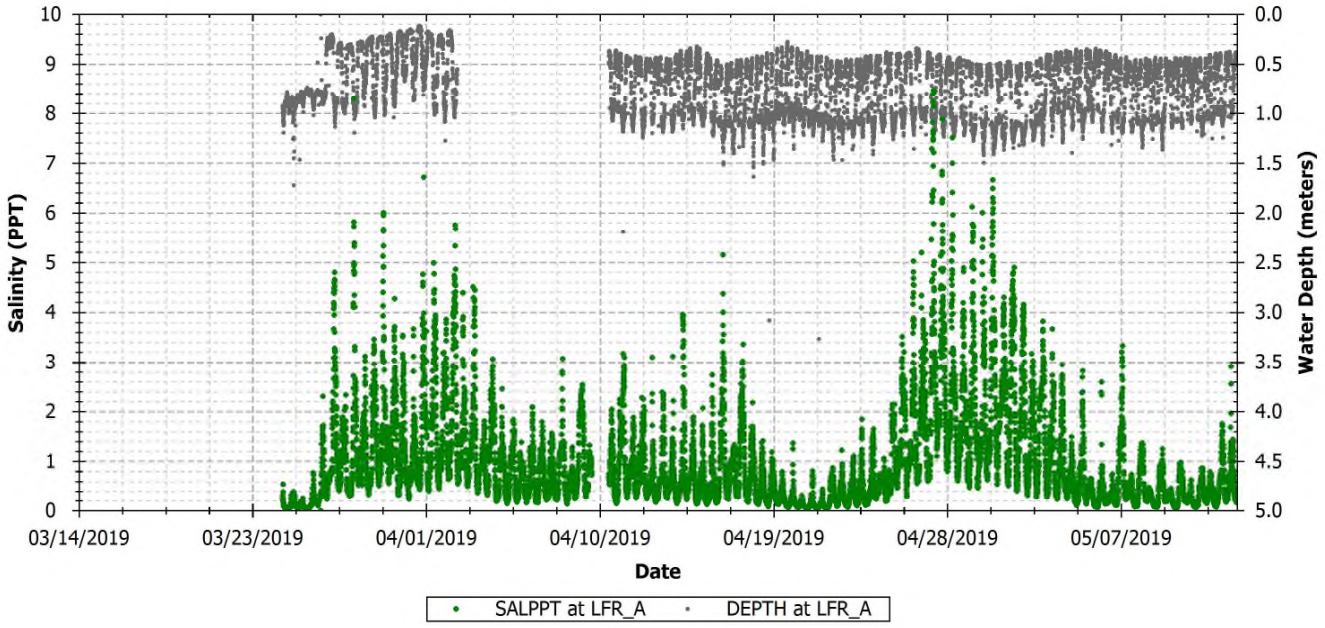


Figure B-50 Lower Front River additional observed salinity

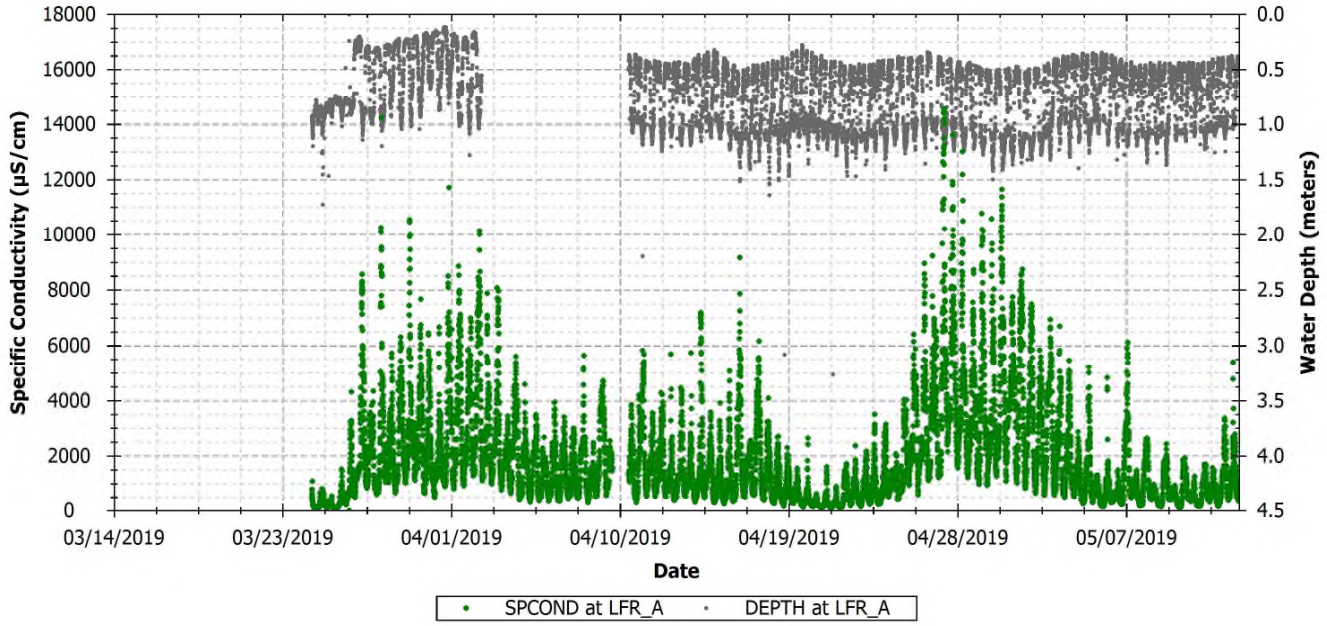


Figure B-51 Lower Front River additional observed specific conductivity

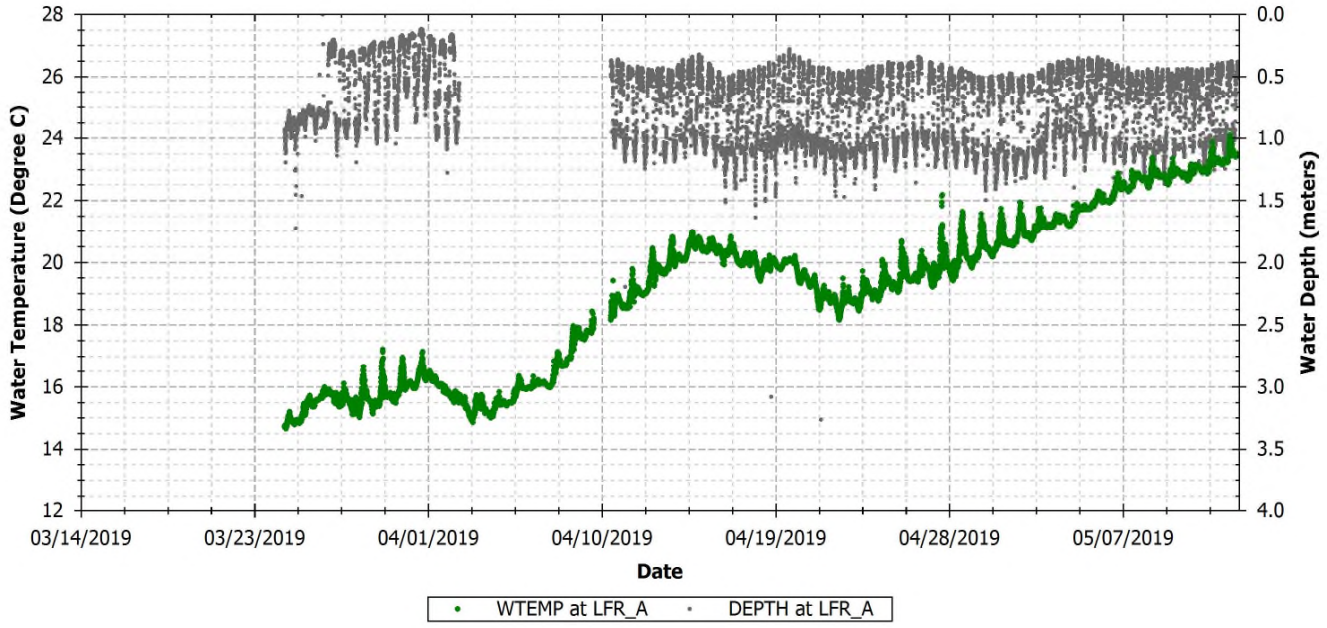


Figure B-52 Lower Front River additional observed water temperature

APPENDIX C PROFILE FIGURES

Test Run Data Collection and Modeling Report

for the

Dissolved Oxygen Facility Environmental Testing

for the

Savannah Harbor Expansion Project

Contract# W912HN-15-D-0023
Tasks: 07 and 08
August 15, 2019

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C.1 BACK RIVER

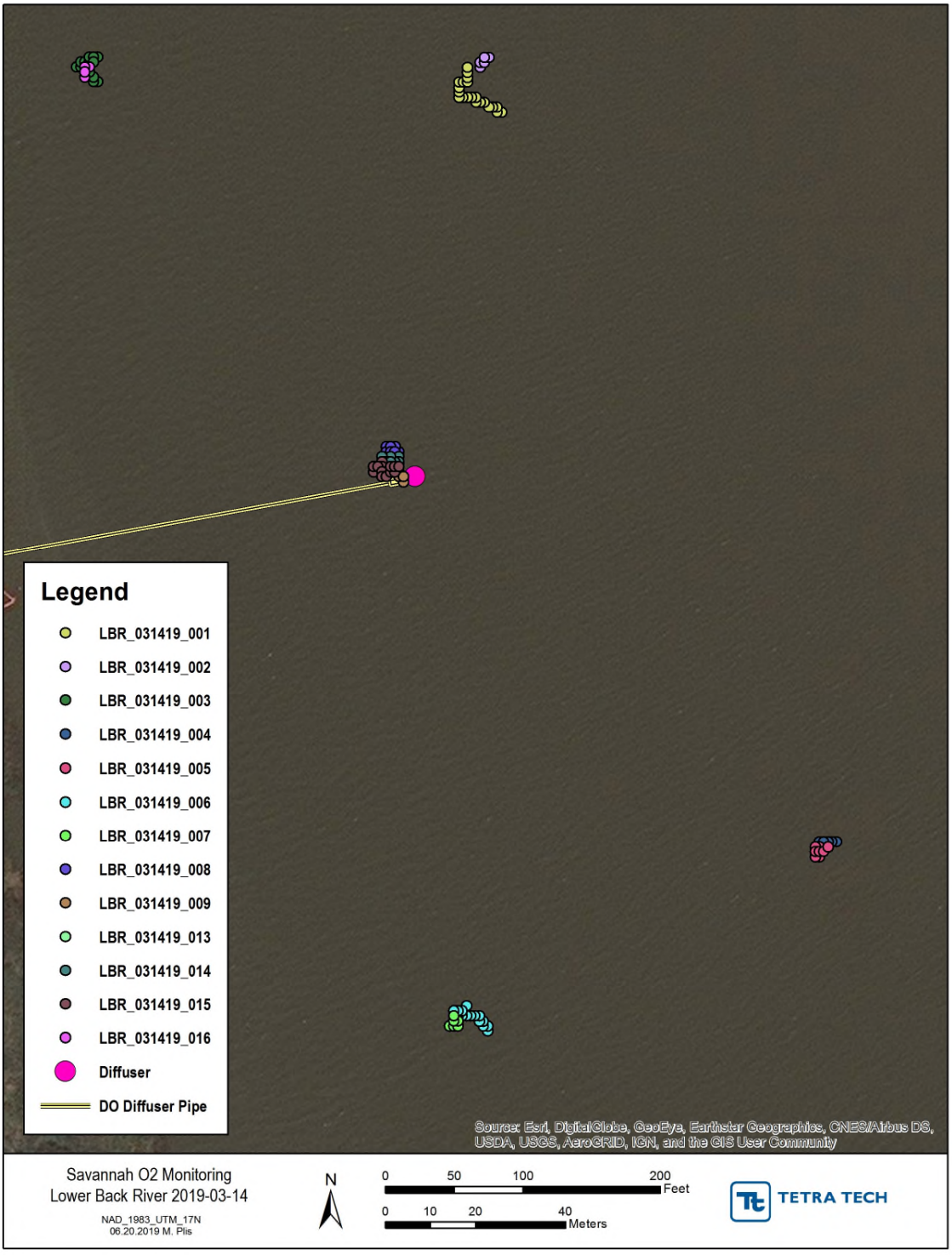


Figure C-1 Back River March 14, 2019 stationary profiles location map

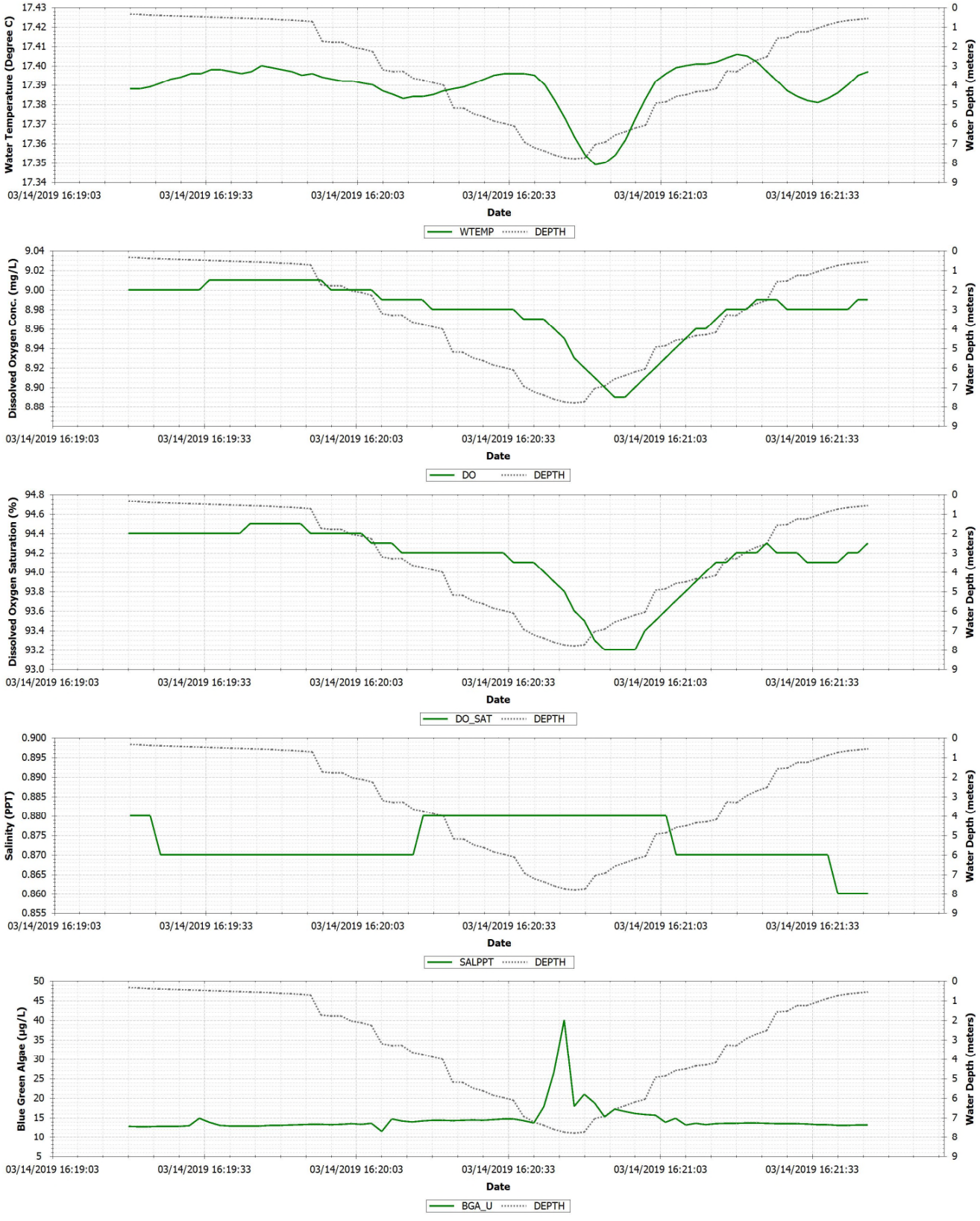


Figure C-2 Back River March 14, 2019 northeast buoy flood tide stationary profile observations (LBR_031419_001)

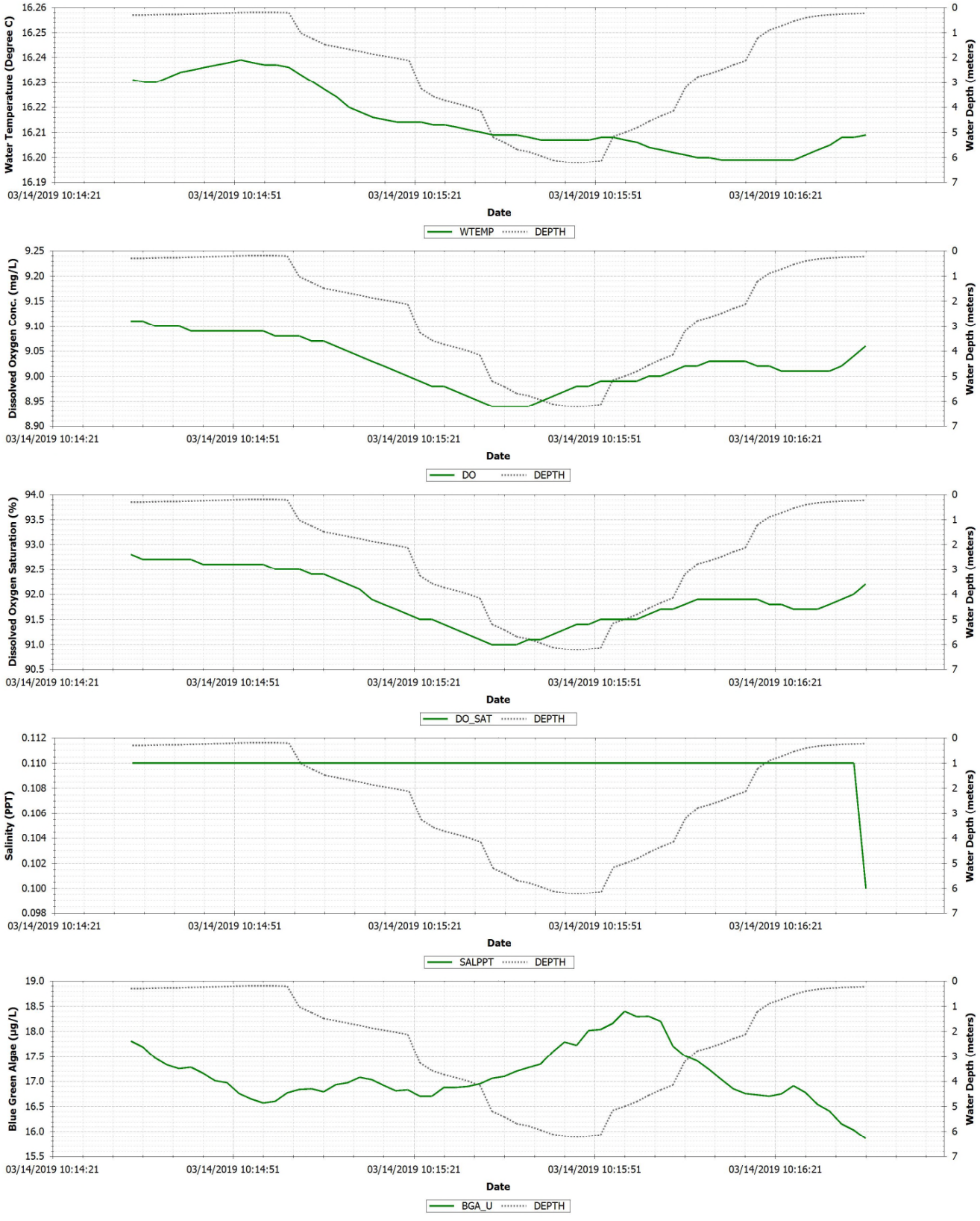
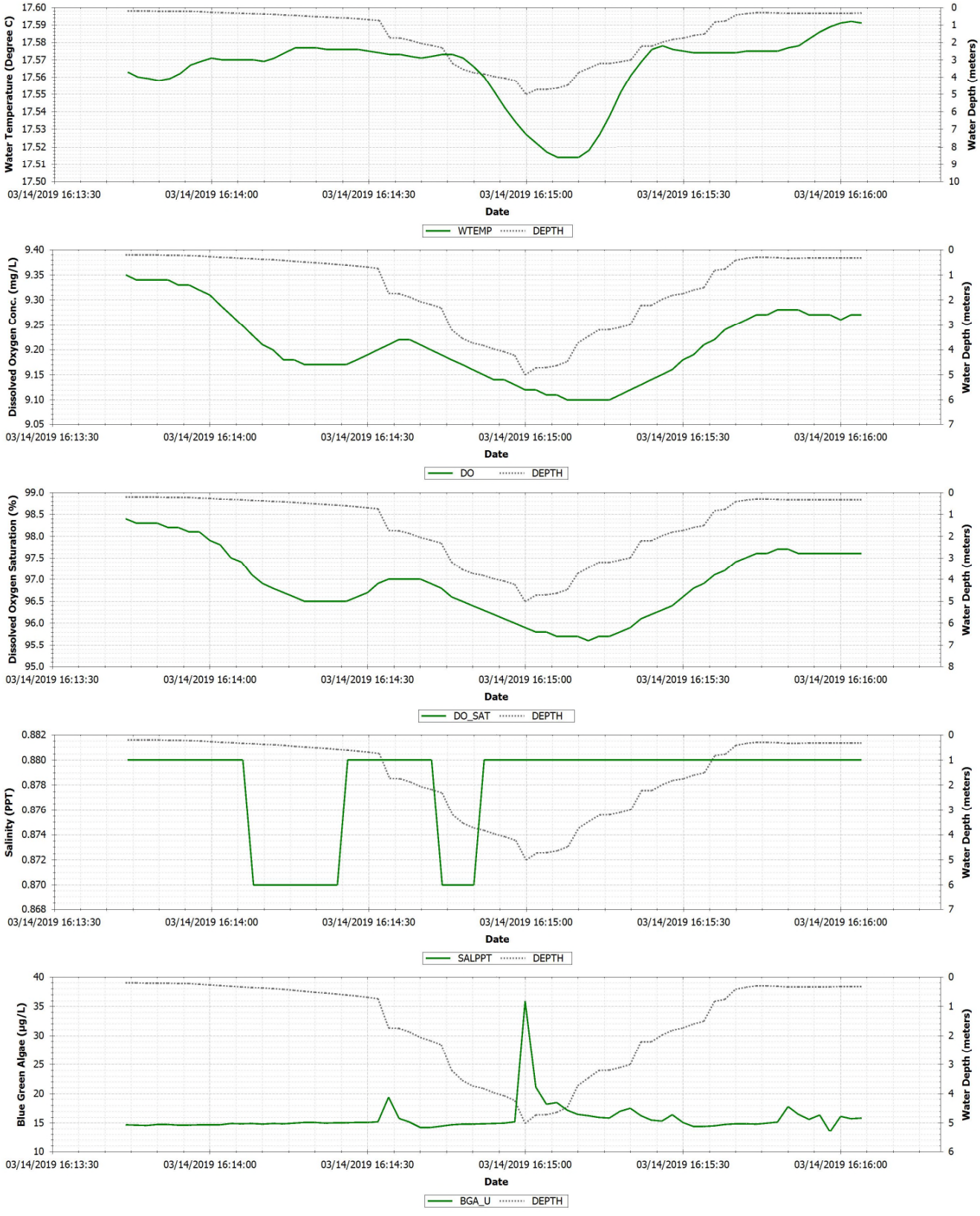


Figure C-3 Back River March 14, 2019 northeast buoy ebb tide stationary profile observations (LBR_031419_002)



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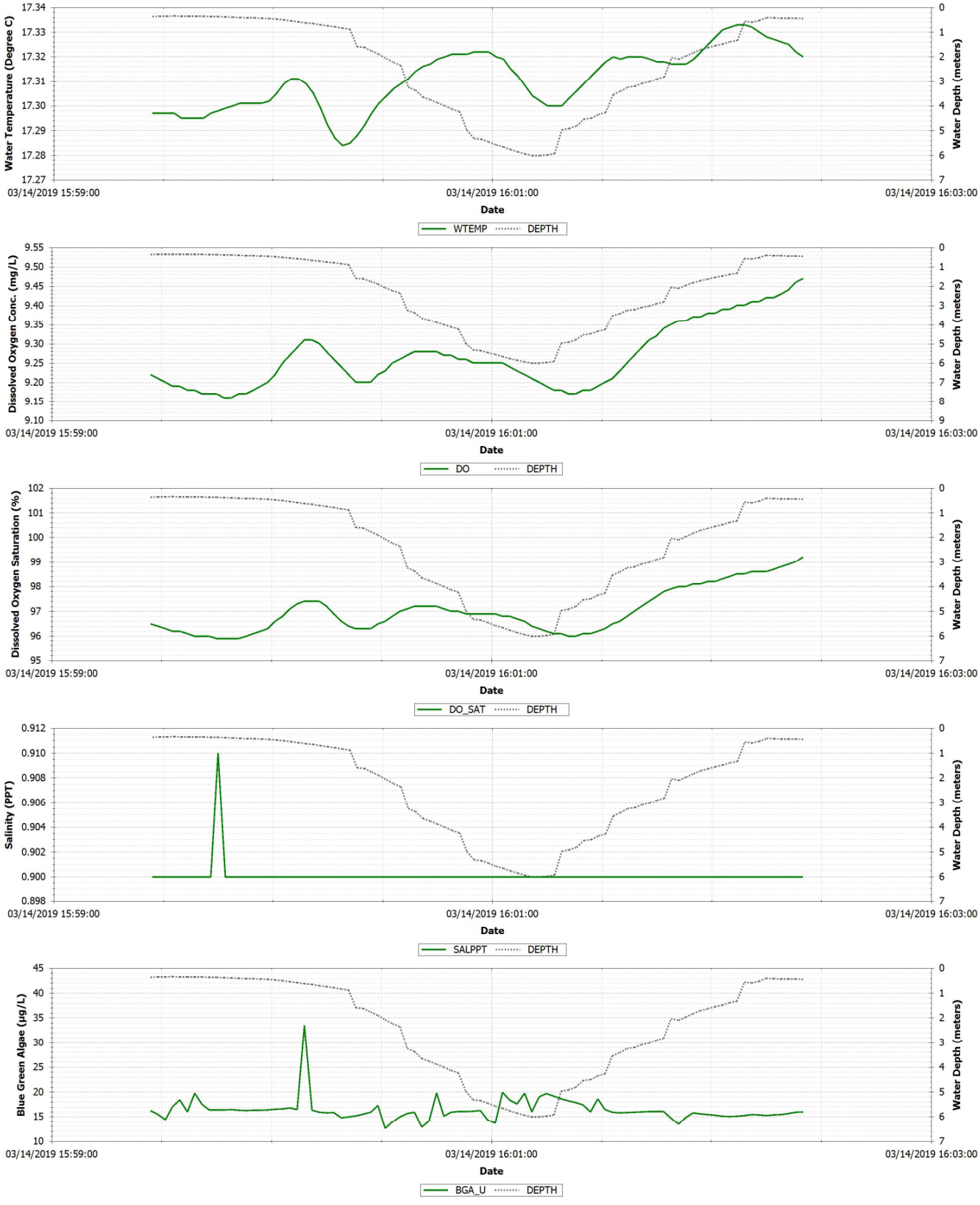

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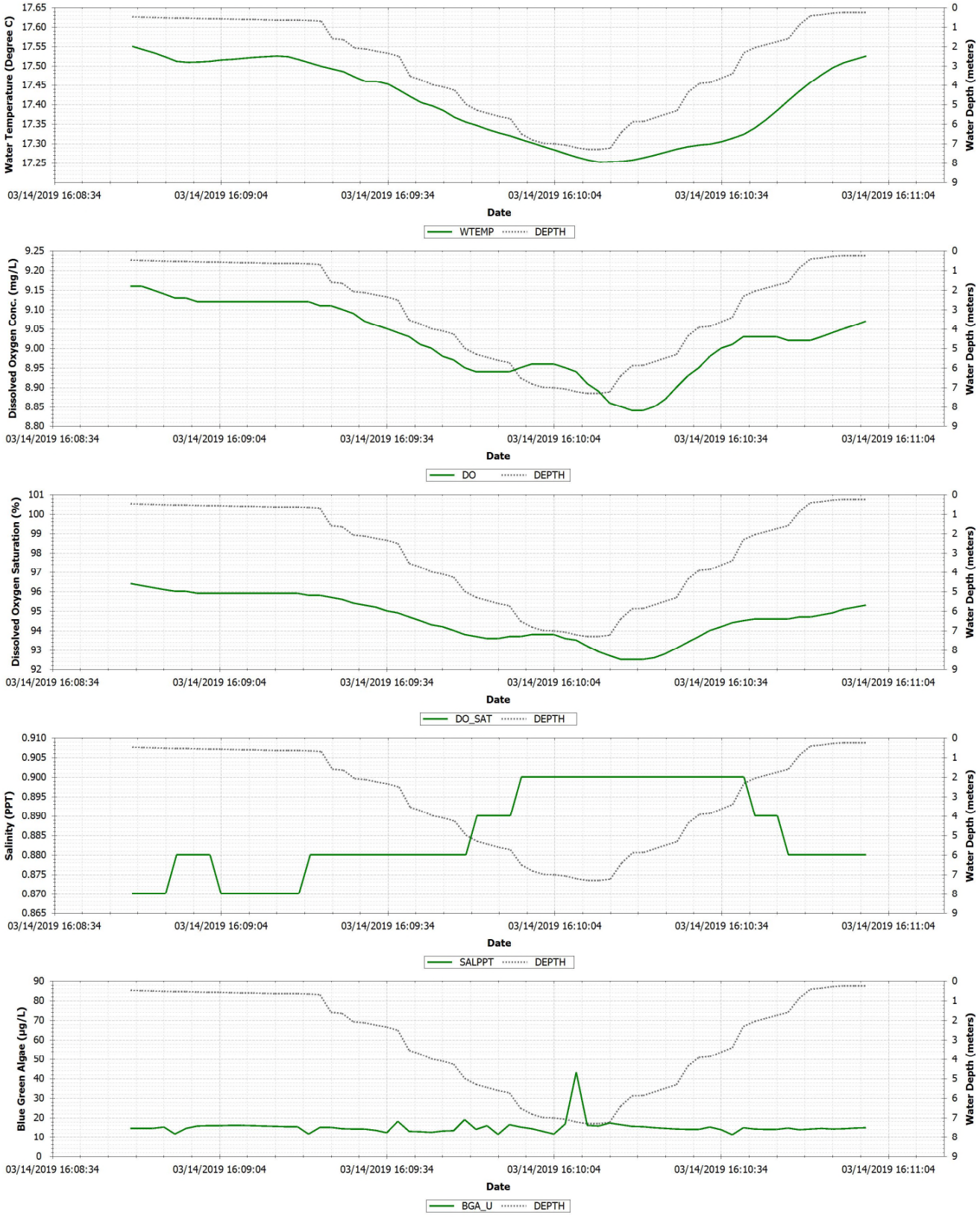

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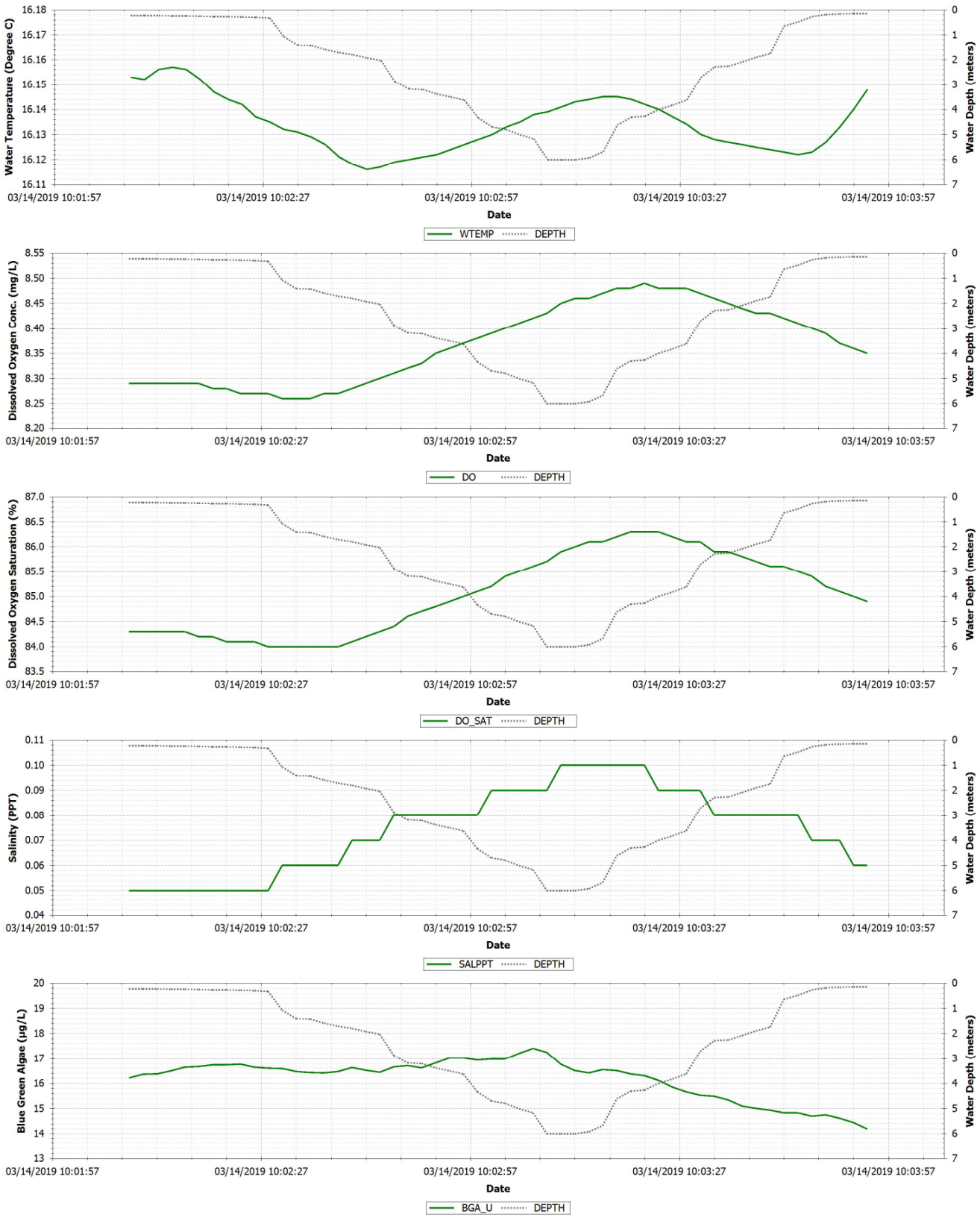

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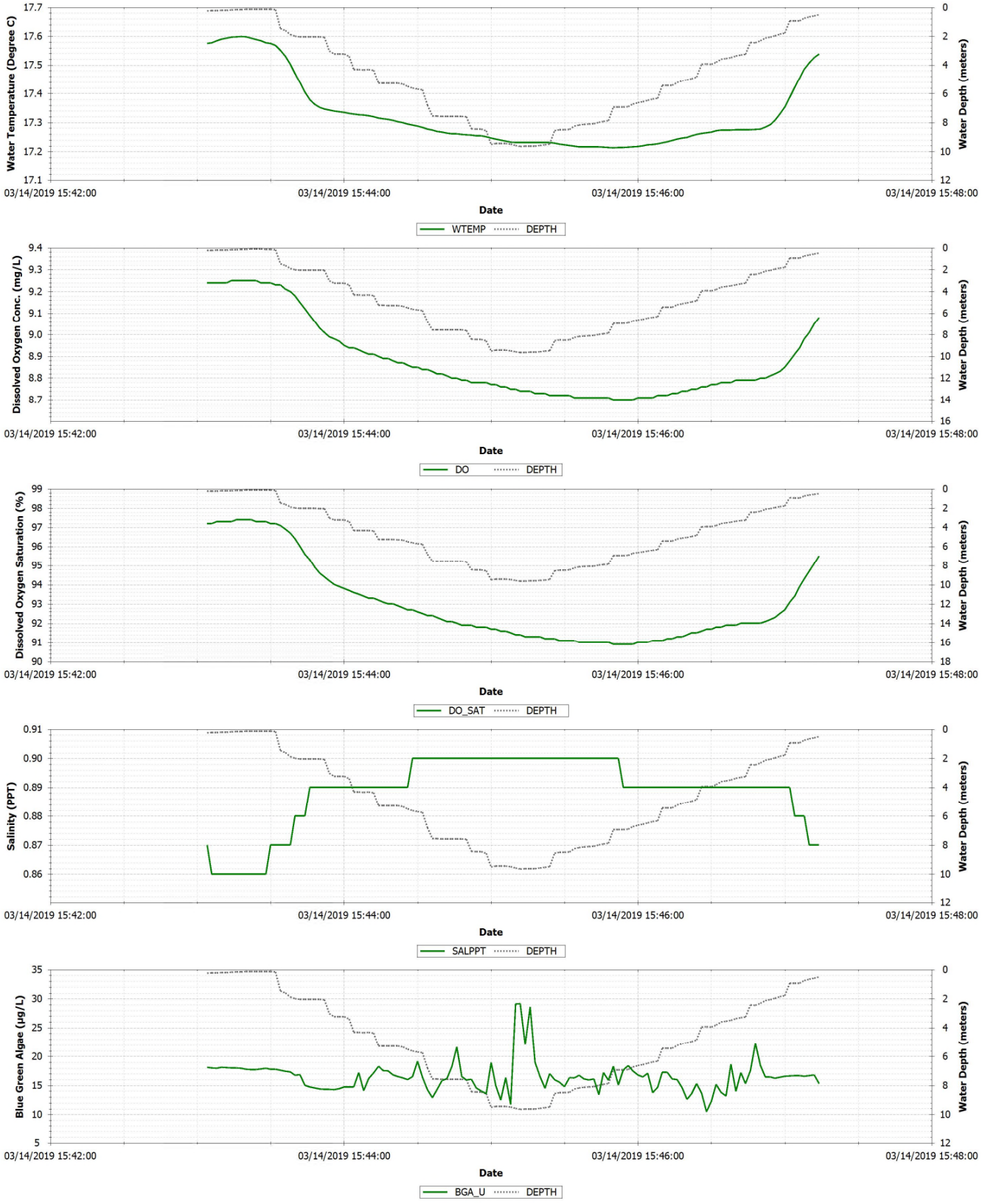


Figure C-10 Back River March 14, 2019 east platform flood tide stationary profile observations (LBR_031419_008)

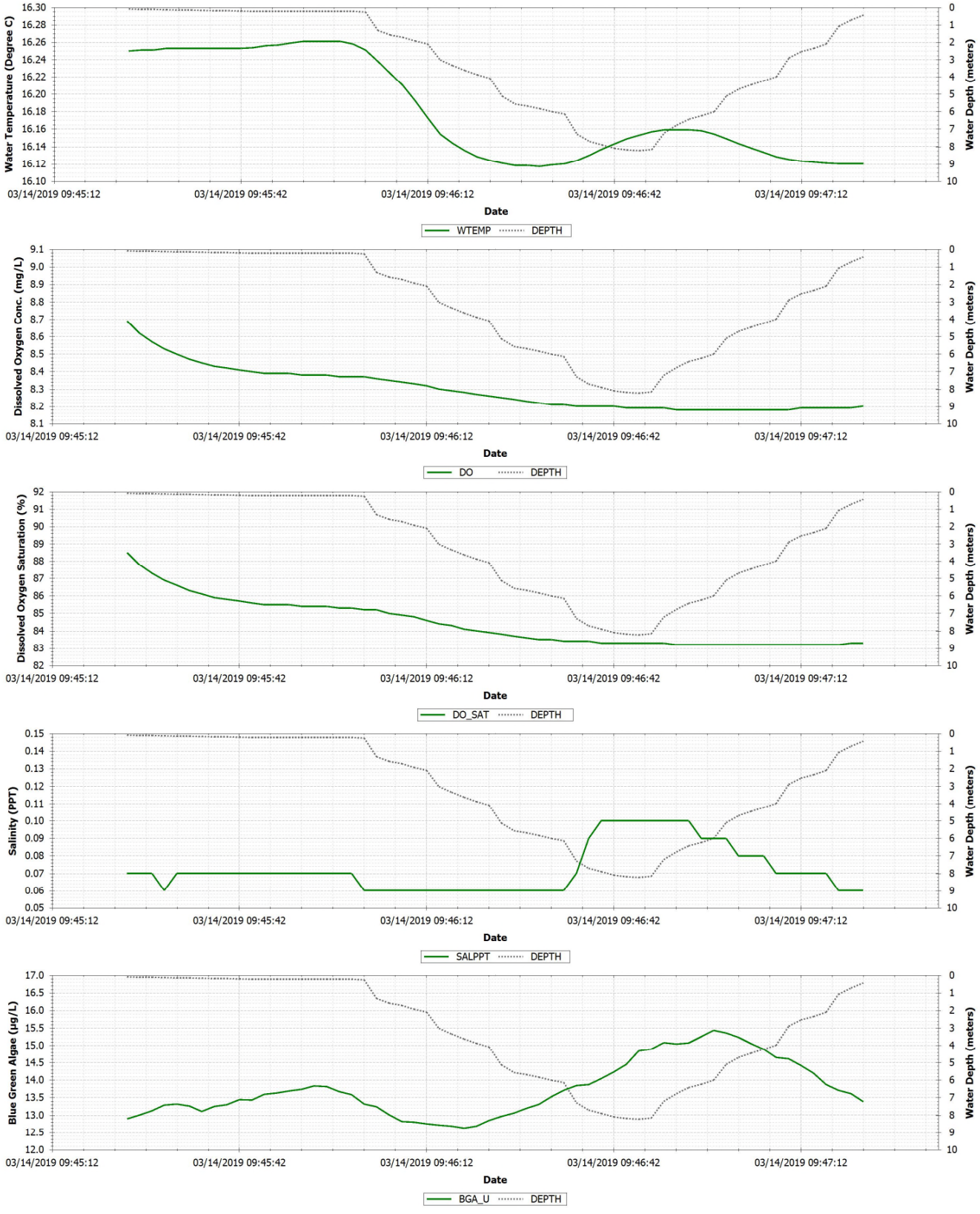
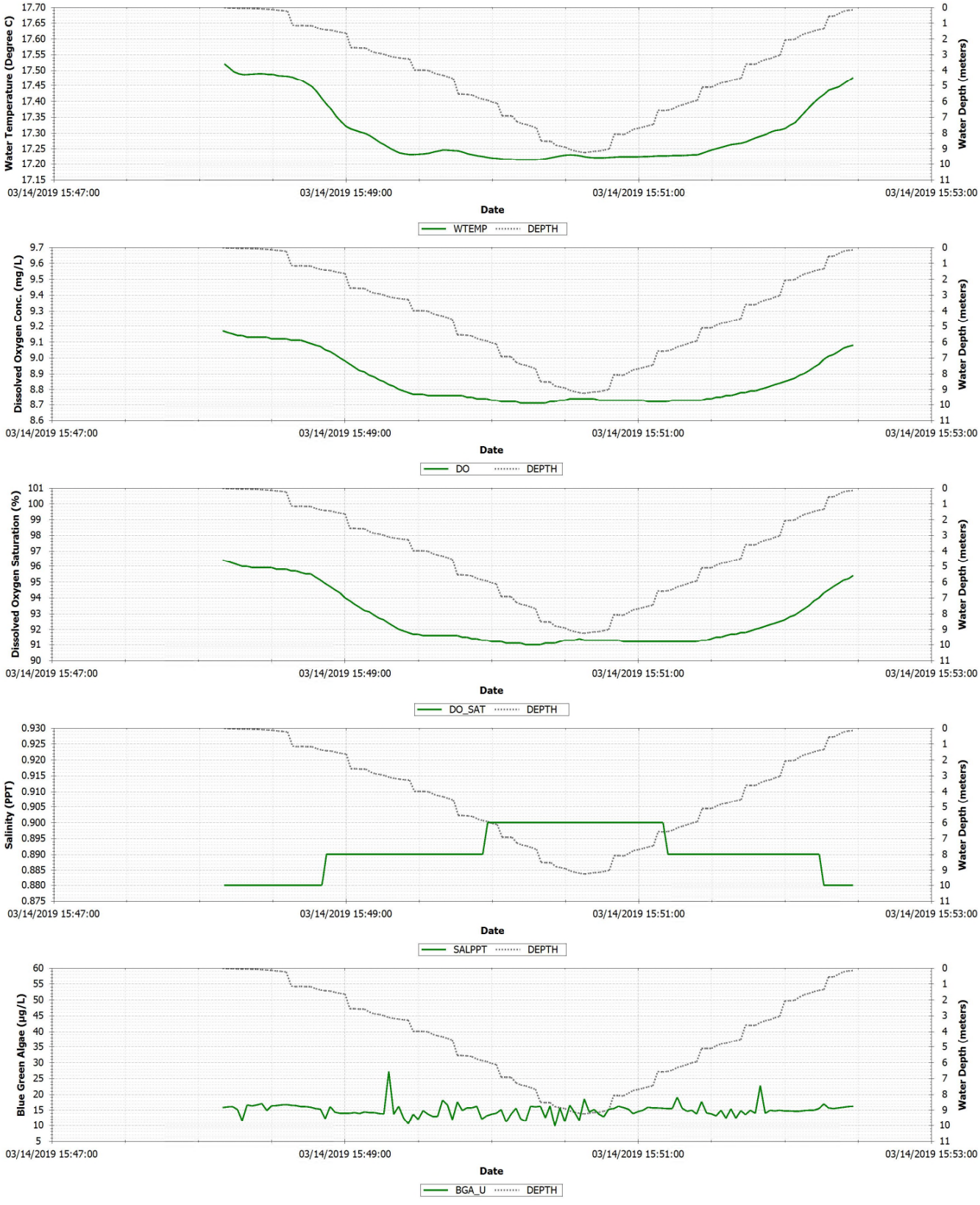


Figure C-11 Back River March 14, 2019 east platform ebb tide stationary profile observations (LBR_031419_009)



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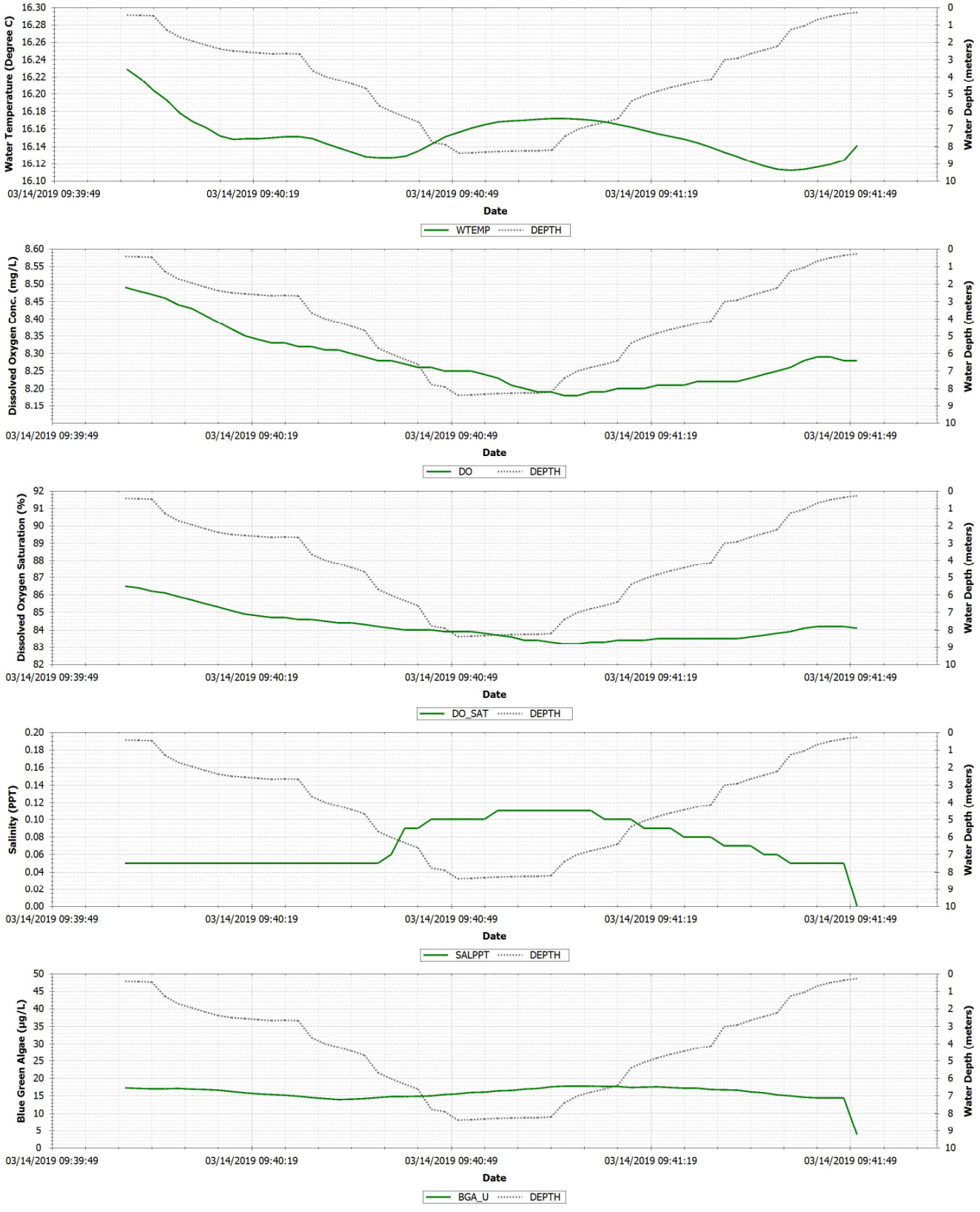


Figure C-13 Back River March 14, 2019 west platform ebb tide stationary profile observations (LBR_031419_015)

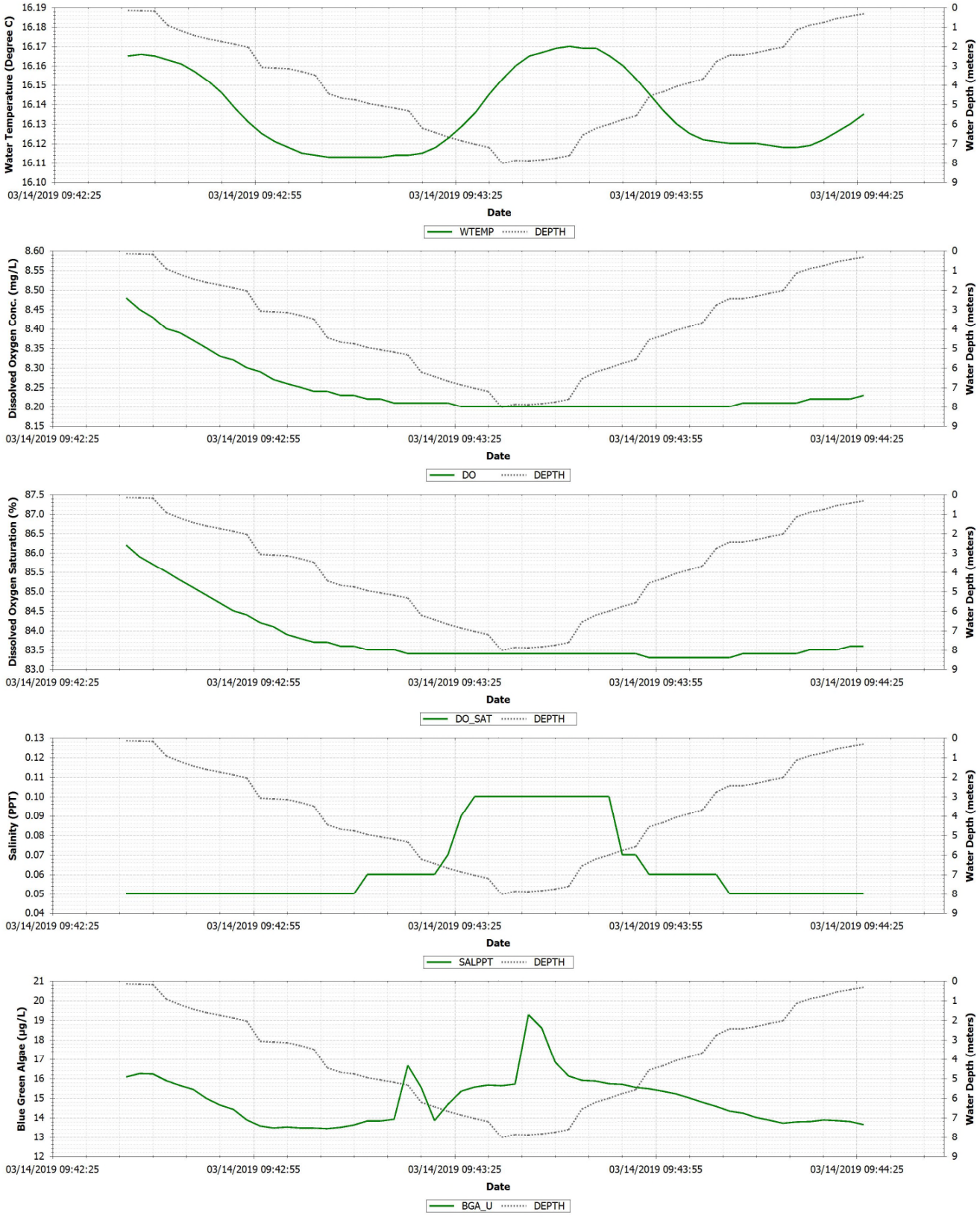


Figure C-14 Back River March 14, 2019 west platform (near S9) ebb tide stationary profile observations (LBR_031419_013)

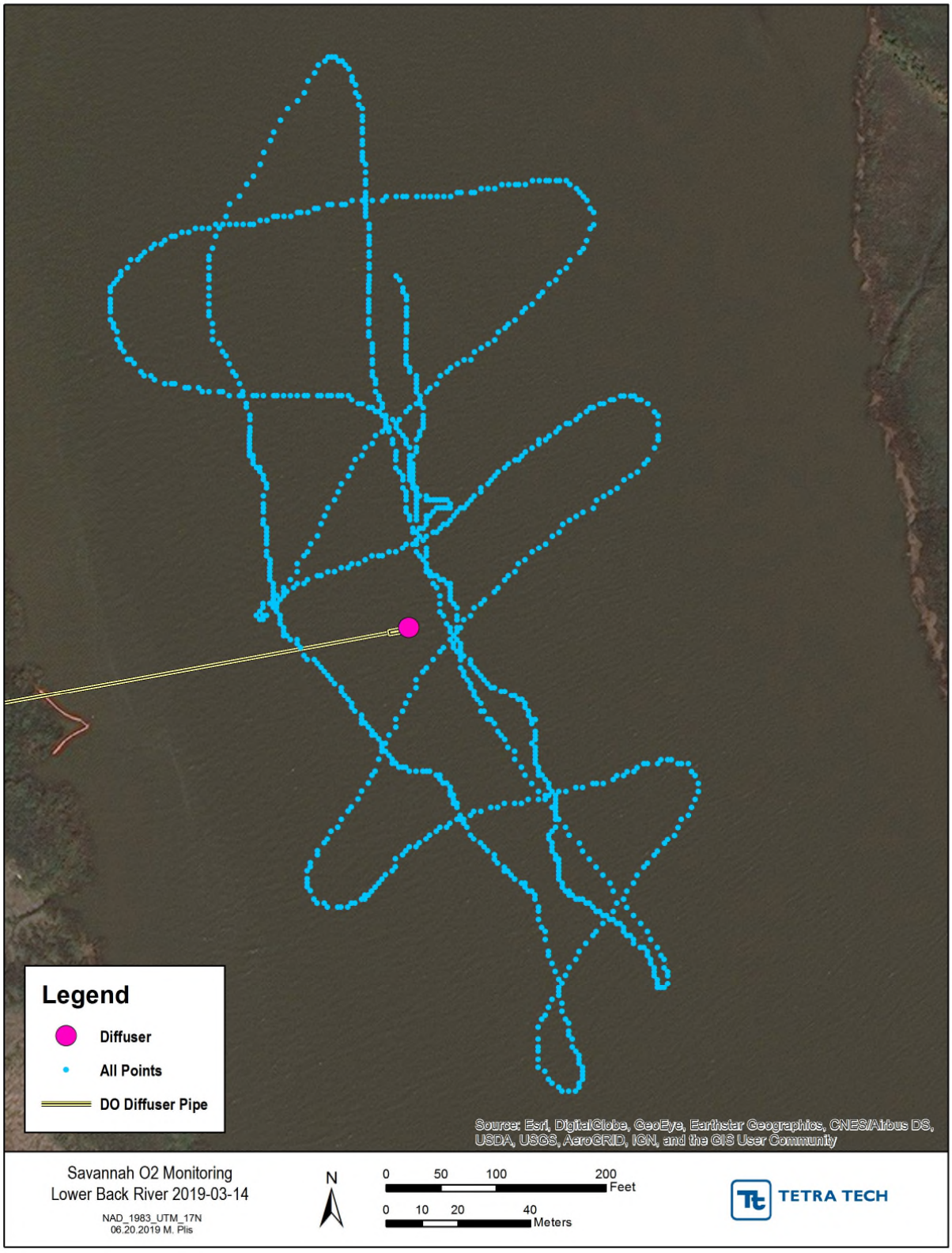


Figure C-15 Back River March 14, 2019 ebb tide traveling profile location map (LBR_031419_012)

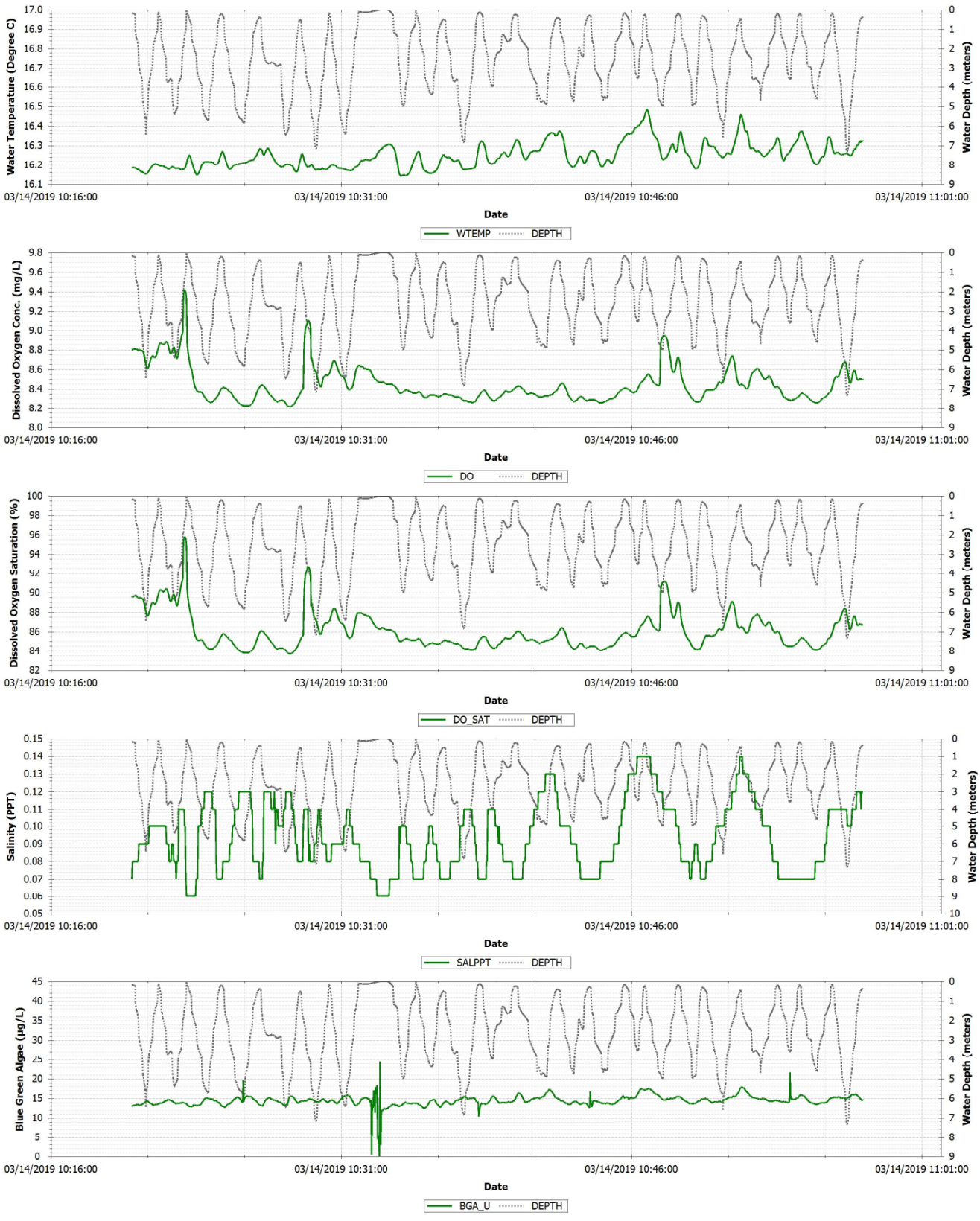


Figure C-16 Back River March 14, 2019 ebb tide traveling profile observations (LBR_031419_012)

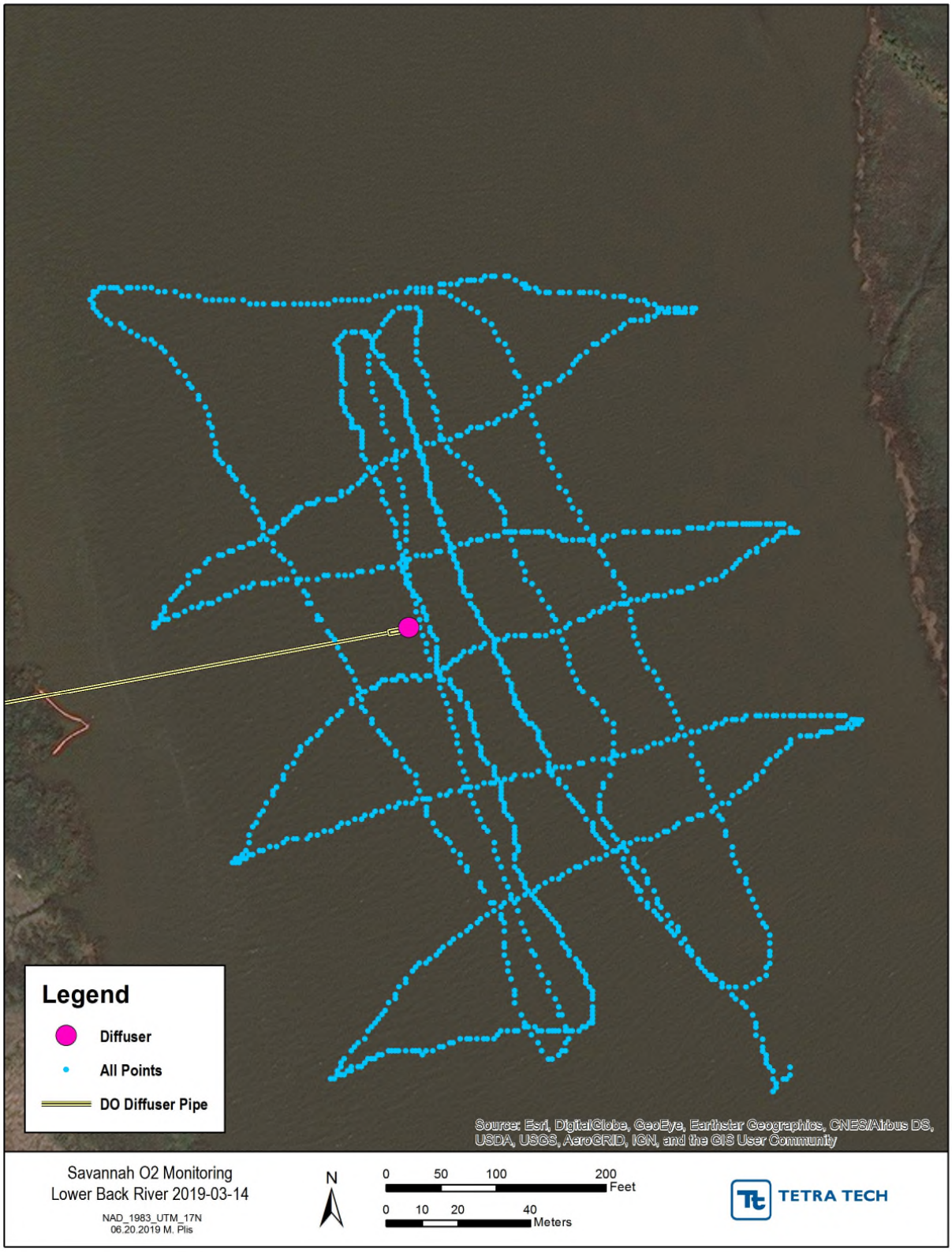


Figure C-17 Back River March 14, 2019 flood tide traveling profile period 1 location map (LBR_031419_011)

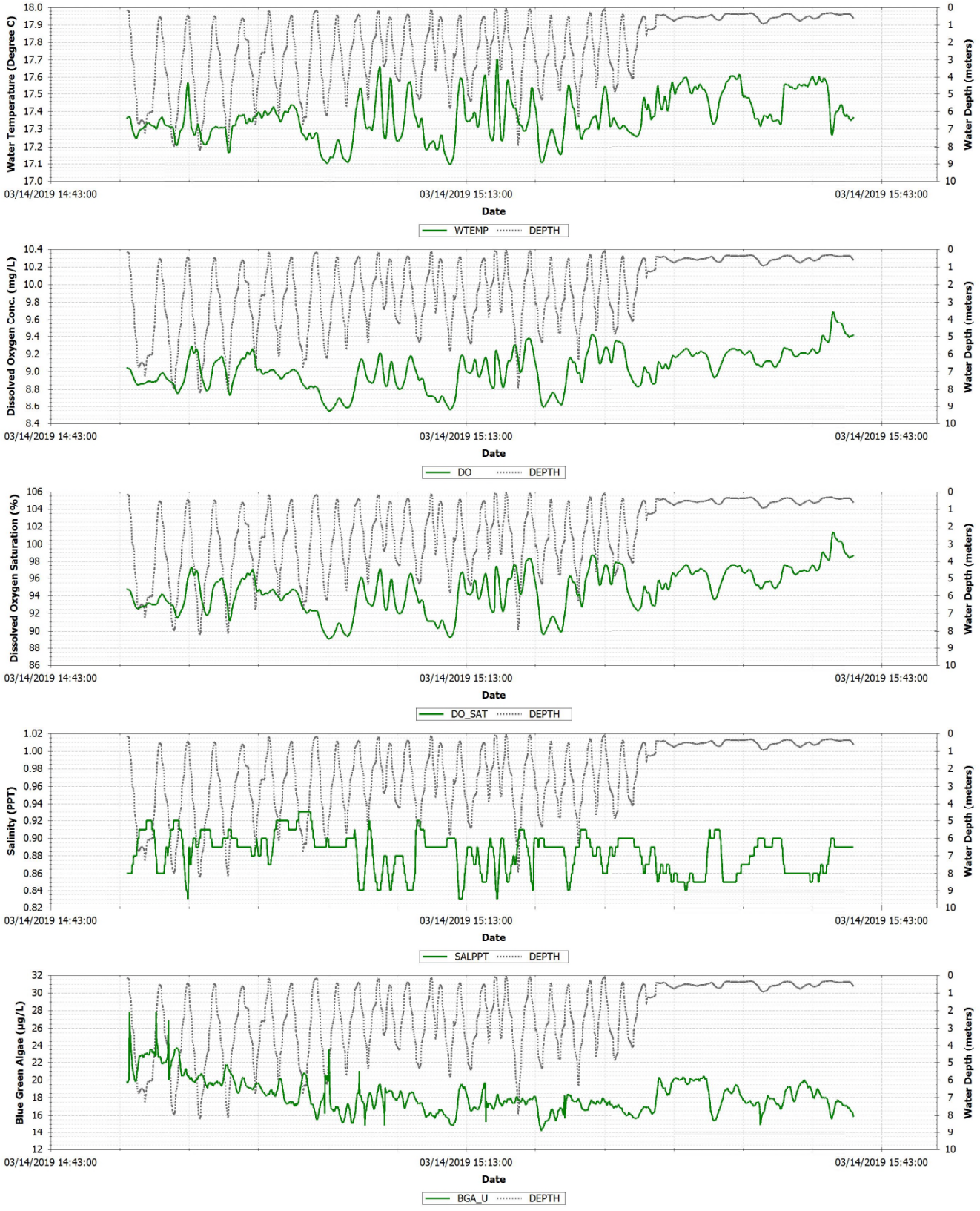


Figure C-18 Back River March 14, 2019 flood tide traveling profile period 1 observations (LBR_031419_011)

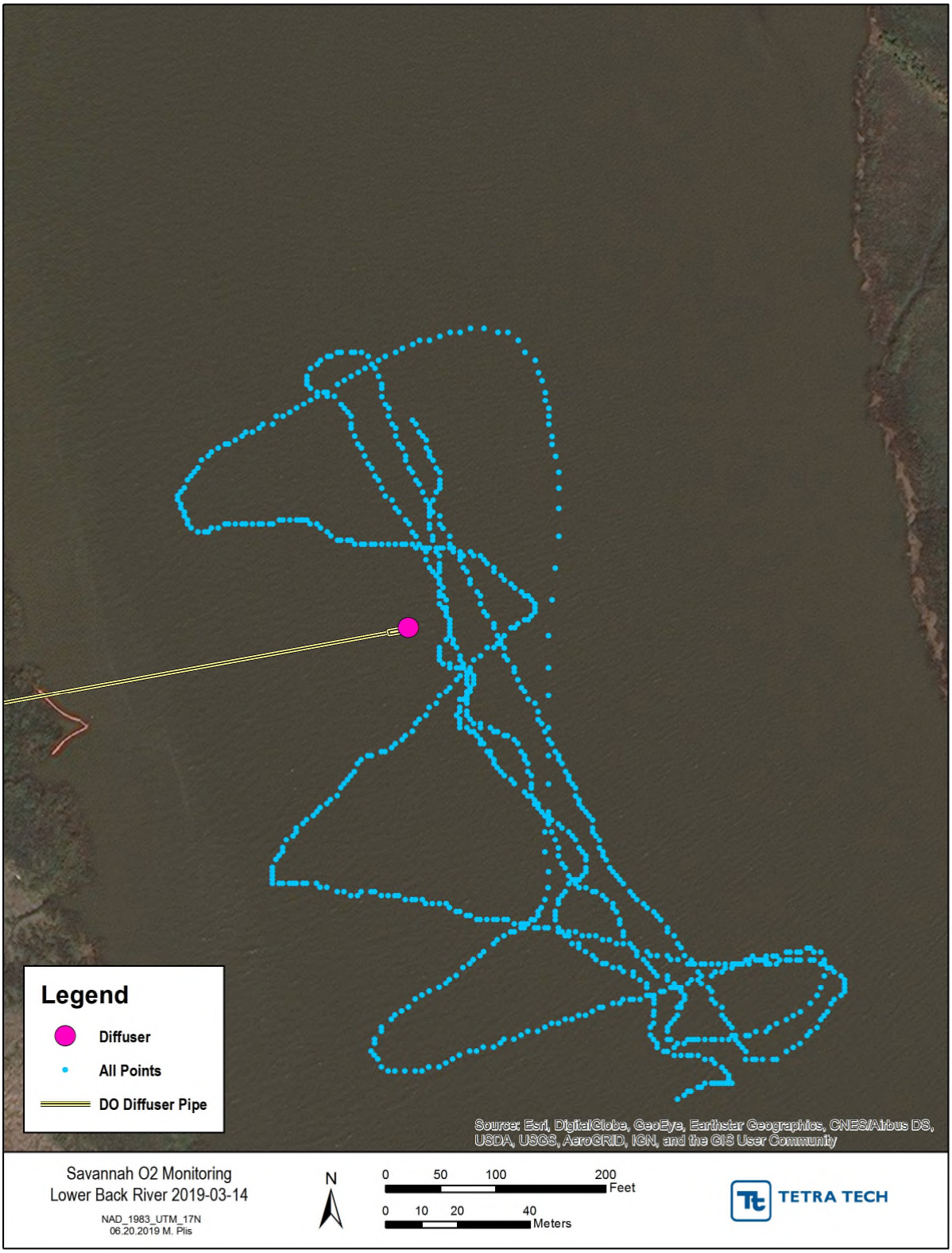


Figure C-19 Back River March 14, 2019 flood tide traveling profile period 2 location map (LBR_031419_010)

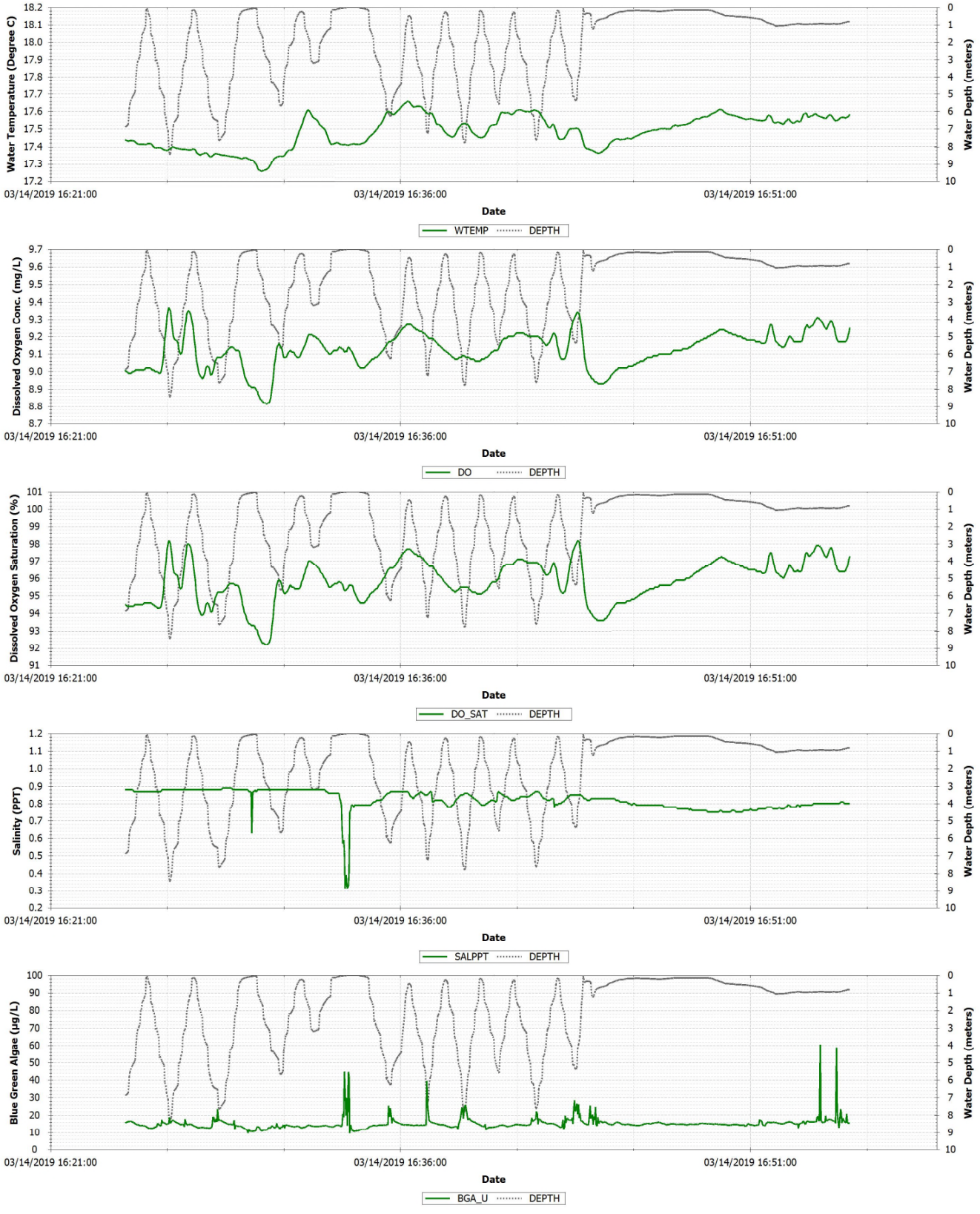


Figure C-20 Back River March 14, 2019 flood tide traveling profile period 2 observations (LBR_031419_010)

Figure C-21 Back River March 16, 2019 ebb tide traveling profile period 1 location map (LBR_031619_004)

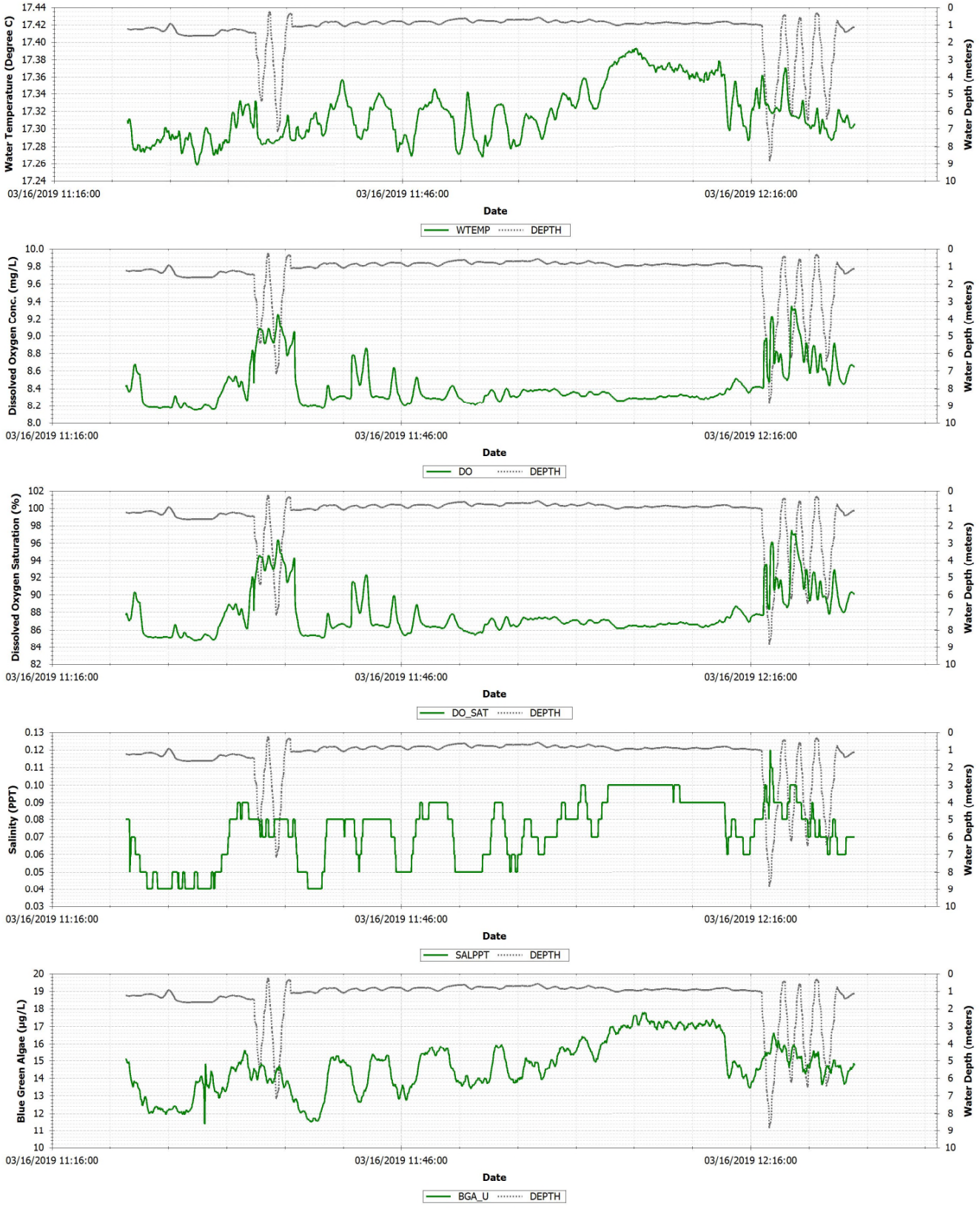


Figure C-22 Back River March 16, 2019 ebb tide traveling profile period 1 observations (LBR_031619_004)

Figure C-23 Back River March 16, 2019 ebb tide traveling profile period 2 location map (LBR_031619_003)

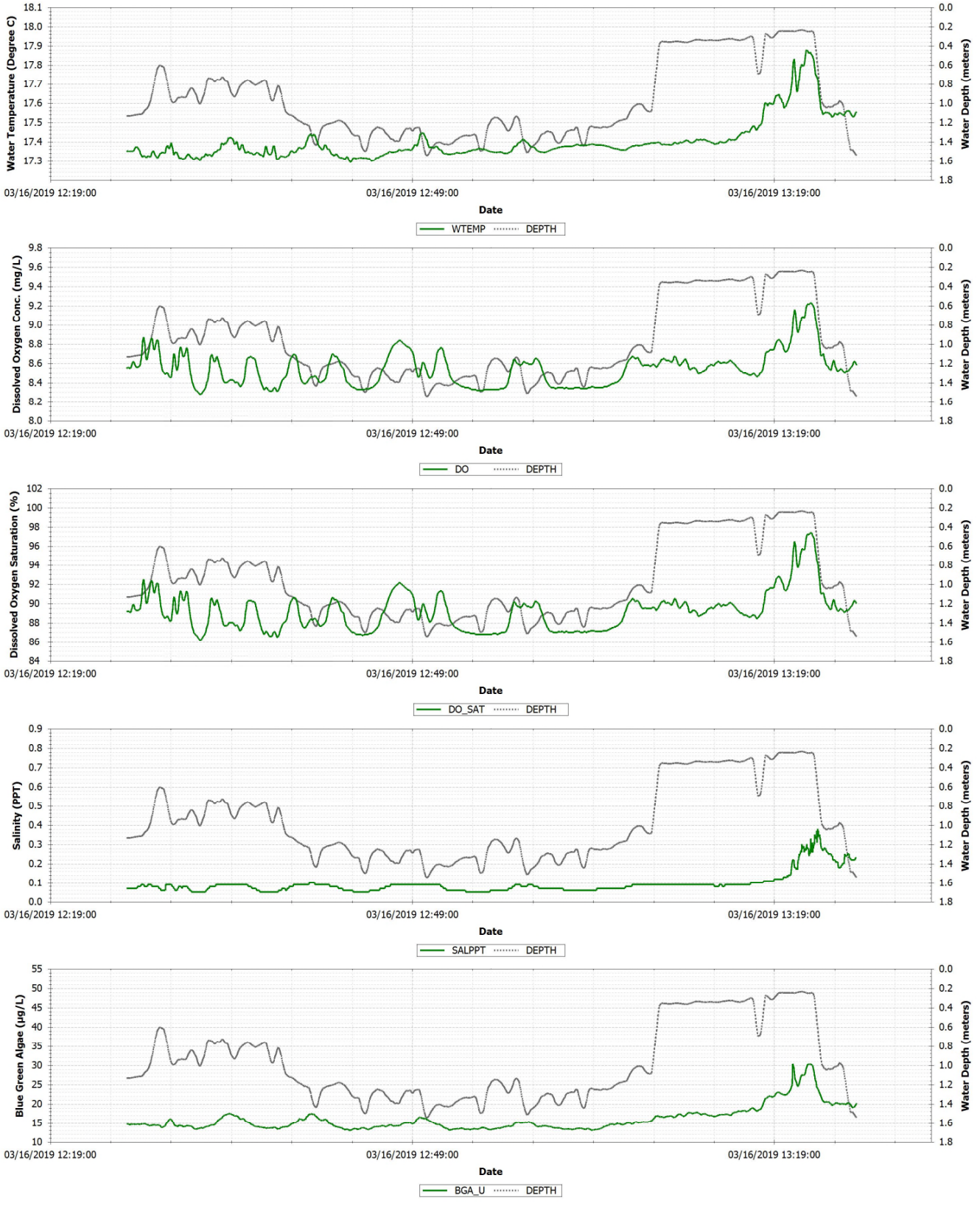


Figure C-24 Back River March 16, 2019 ebb tide traveling profile period 2 observations (LBR_031619_003)

Figure C-25 Back River March 16, 2019 flood tide traveling profile period 1 location map (LBR_031619_002)

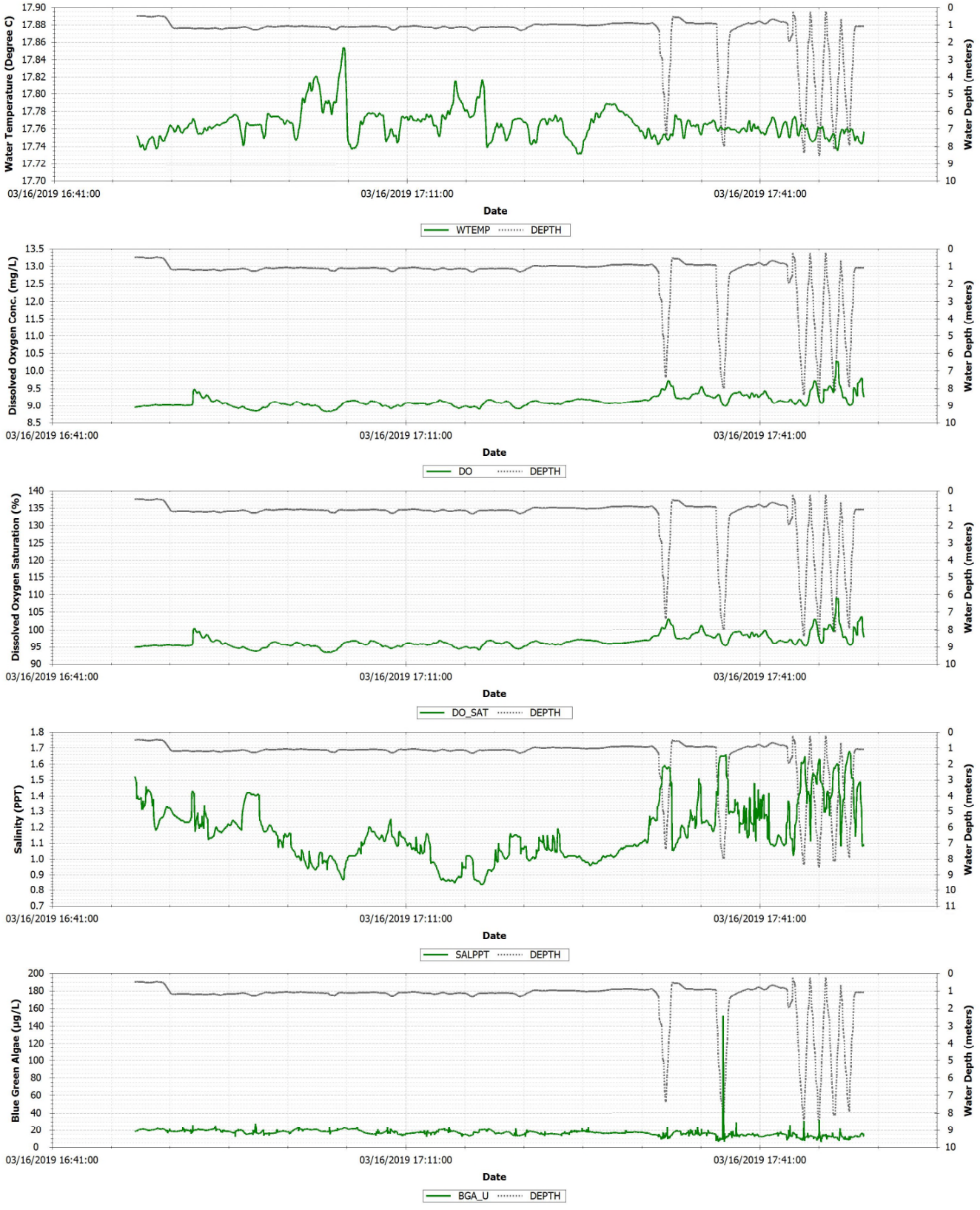


Figure C-26 Back River March 16, 2019 flood tide traveling profile period 1 observations (LBR_031619_002)

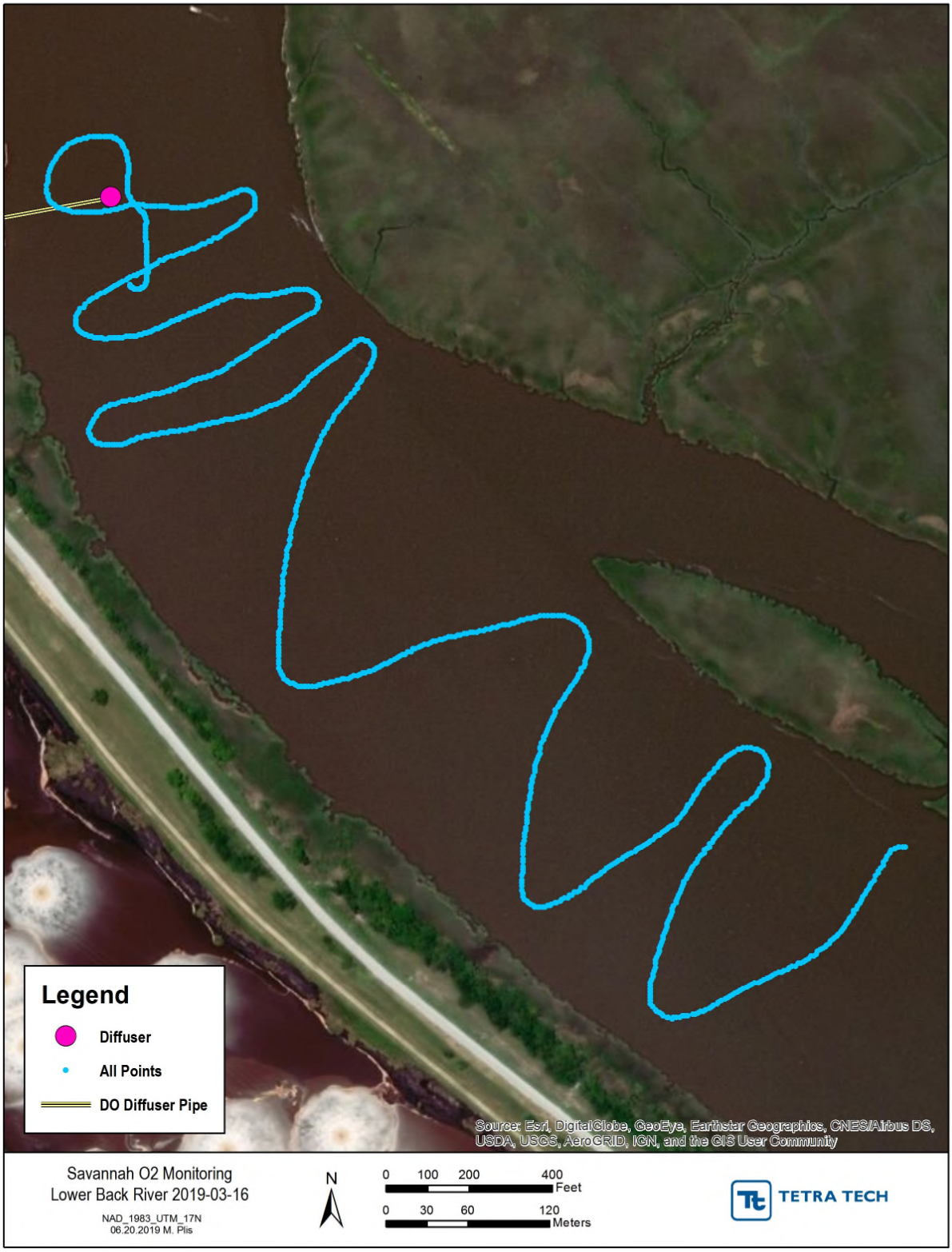


Figure C-27 Back River March 16, 2019 flood tide traveling profile period 2 location map (LBR_031619_001)

Figure C-28 Back River March 16, 2019 flood tide traveling profile period 2 observations (LBR_031619_001)

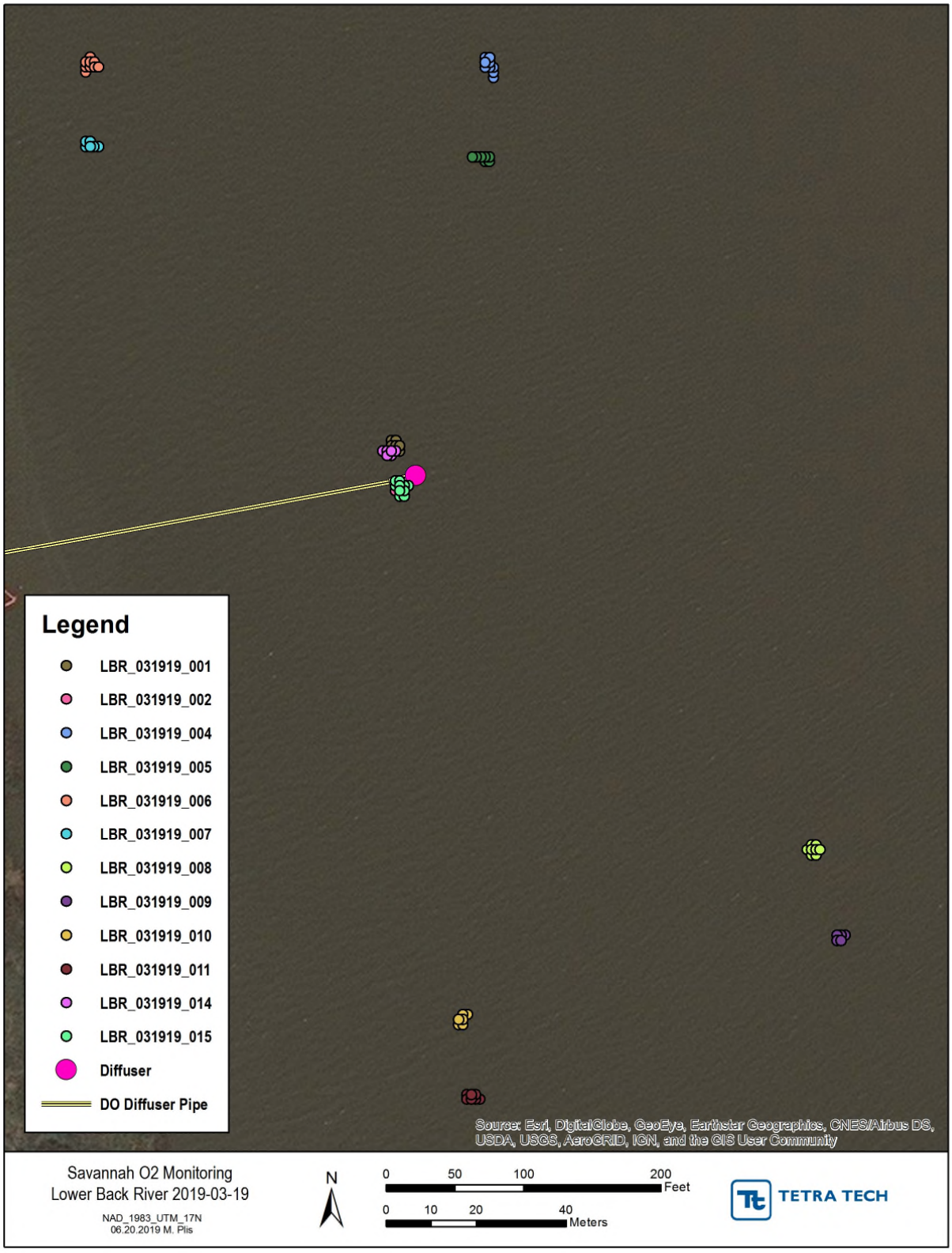


Figure C-29 Back River March 19, 2019 stationary profiles location map

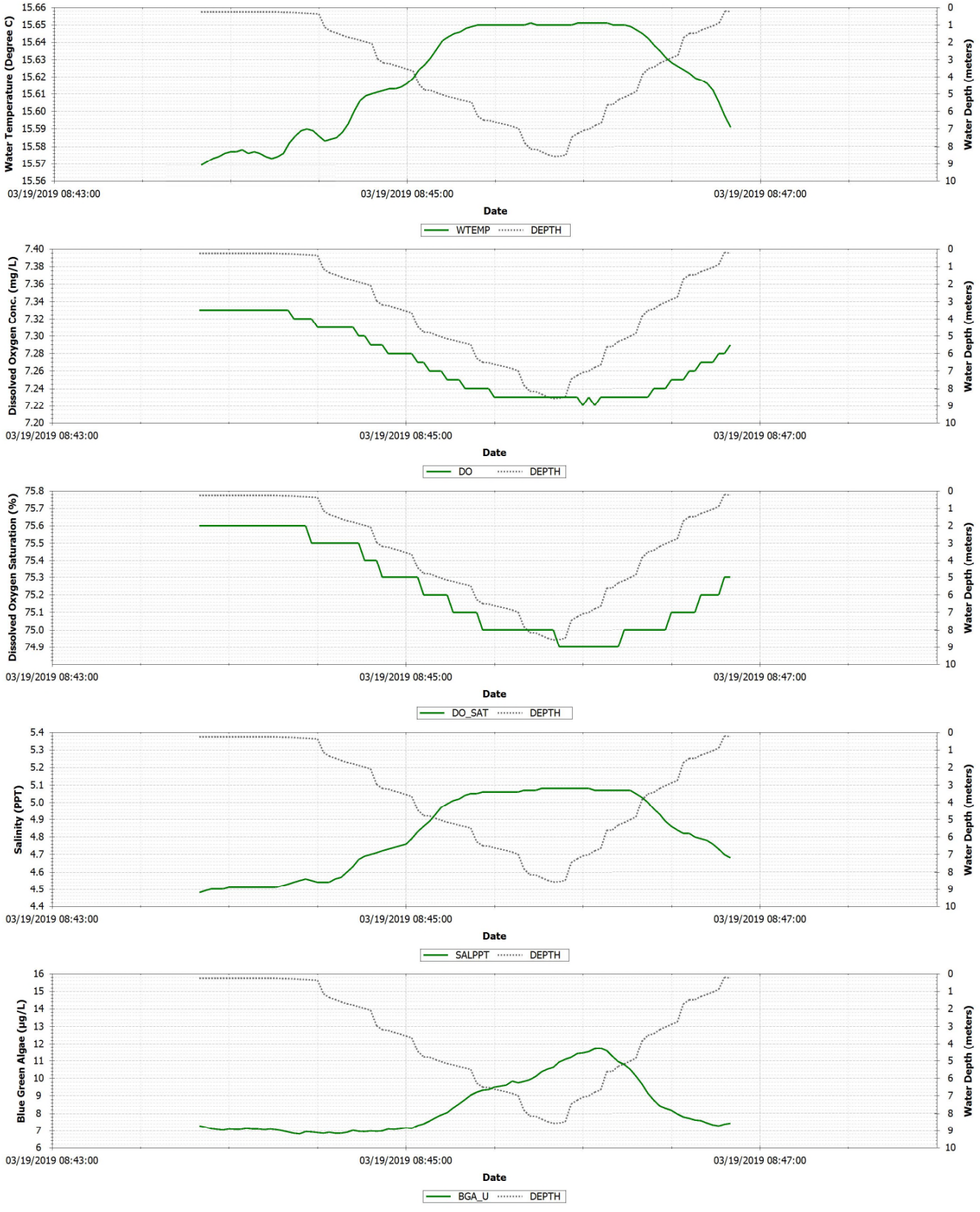


Figure C-30 Back River March 19, 2019 northeast buoy flood tide stationary profile observations (LBR_031919_004)

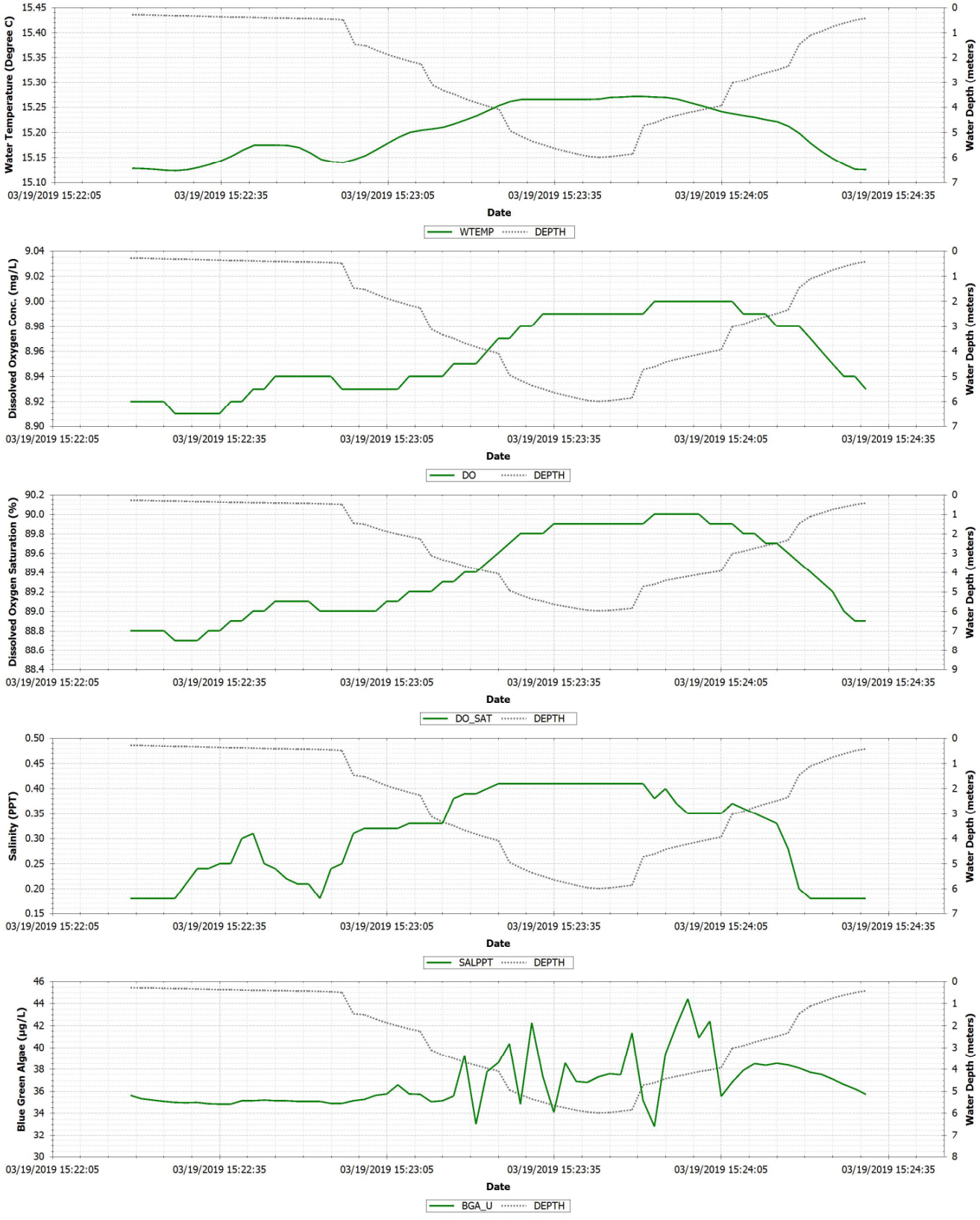


Figure C-31 Back River March 19, 2019 northeast buoy ebb tide stationary profile observations (LBR_031919_005)

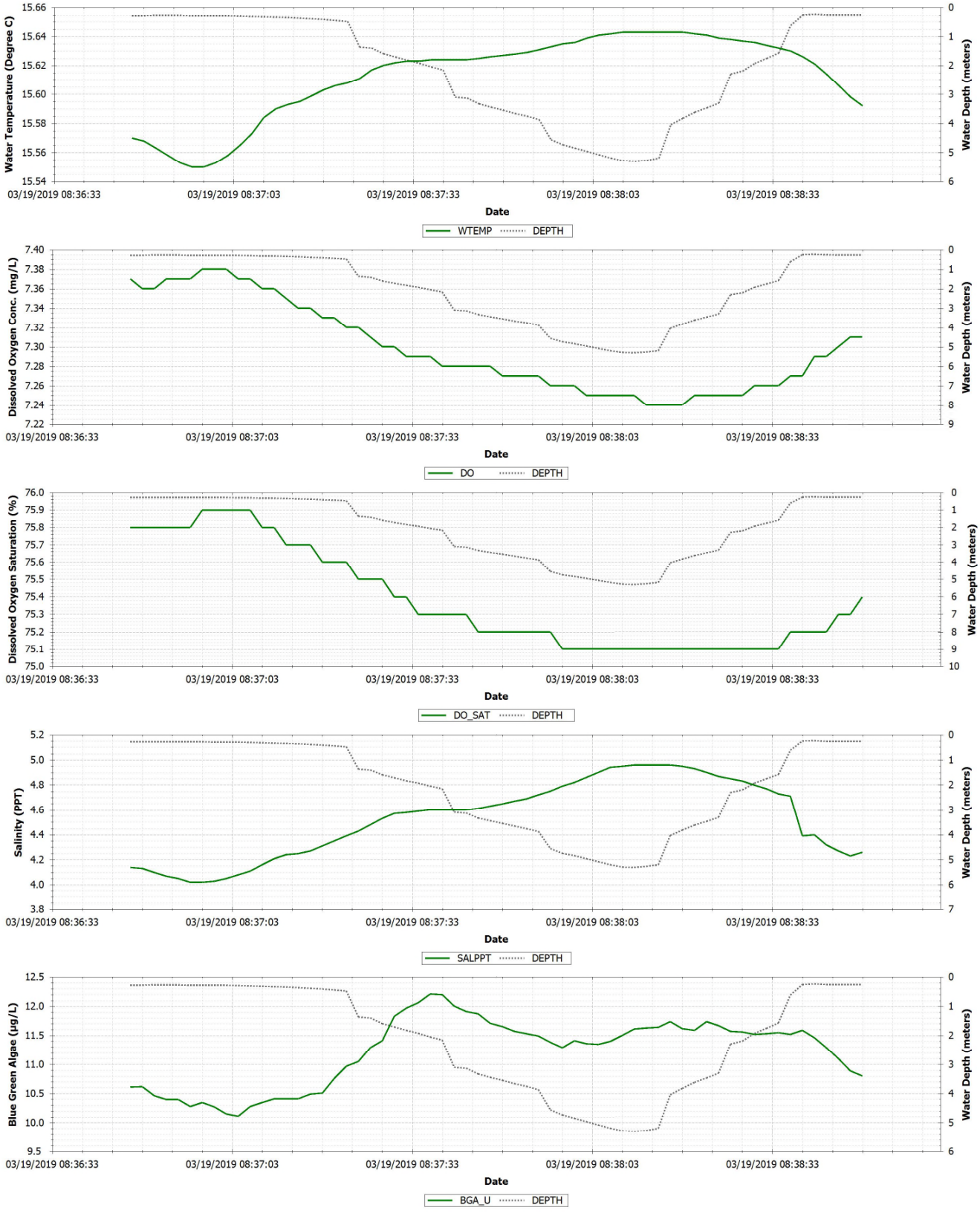


Figure C-32 Back River March 19, 2019 northwest buoy flood tide stationary profile observations (LBR_031919_006)

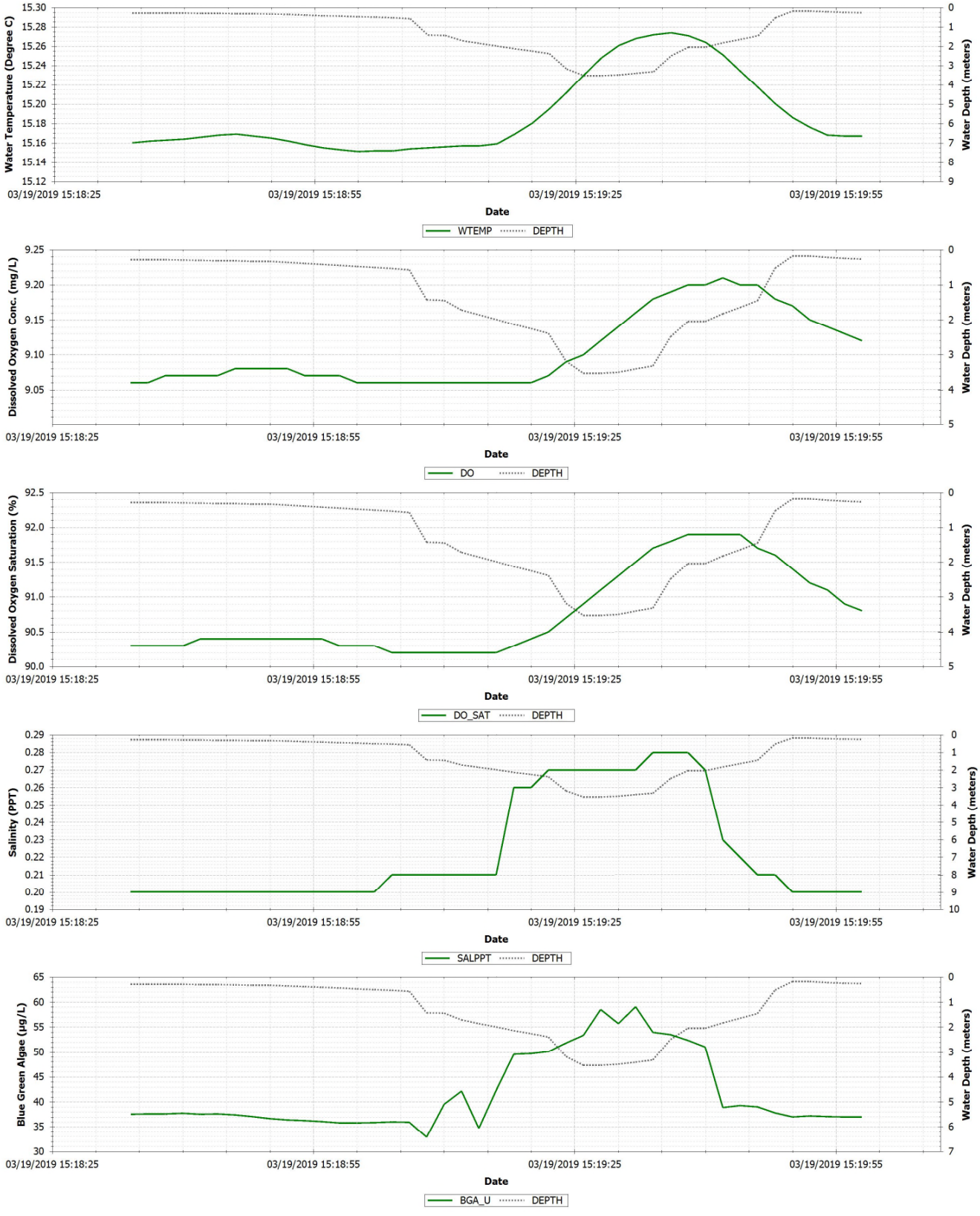


Figure C-33 Back River March 19, 2019 northwest buoy ebb tide stationary profile observations (LBR_031919_007)

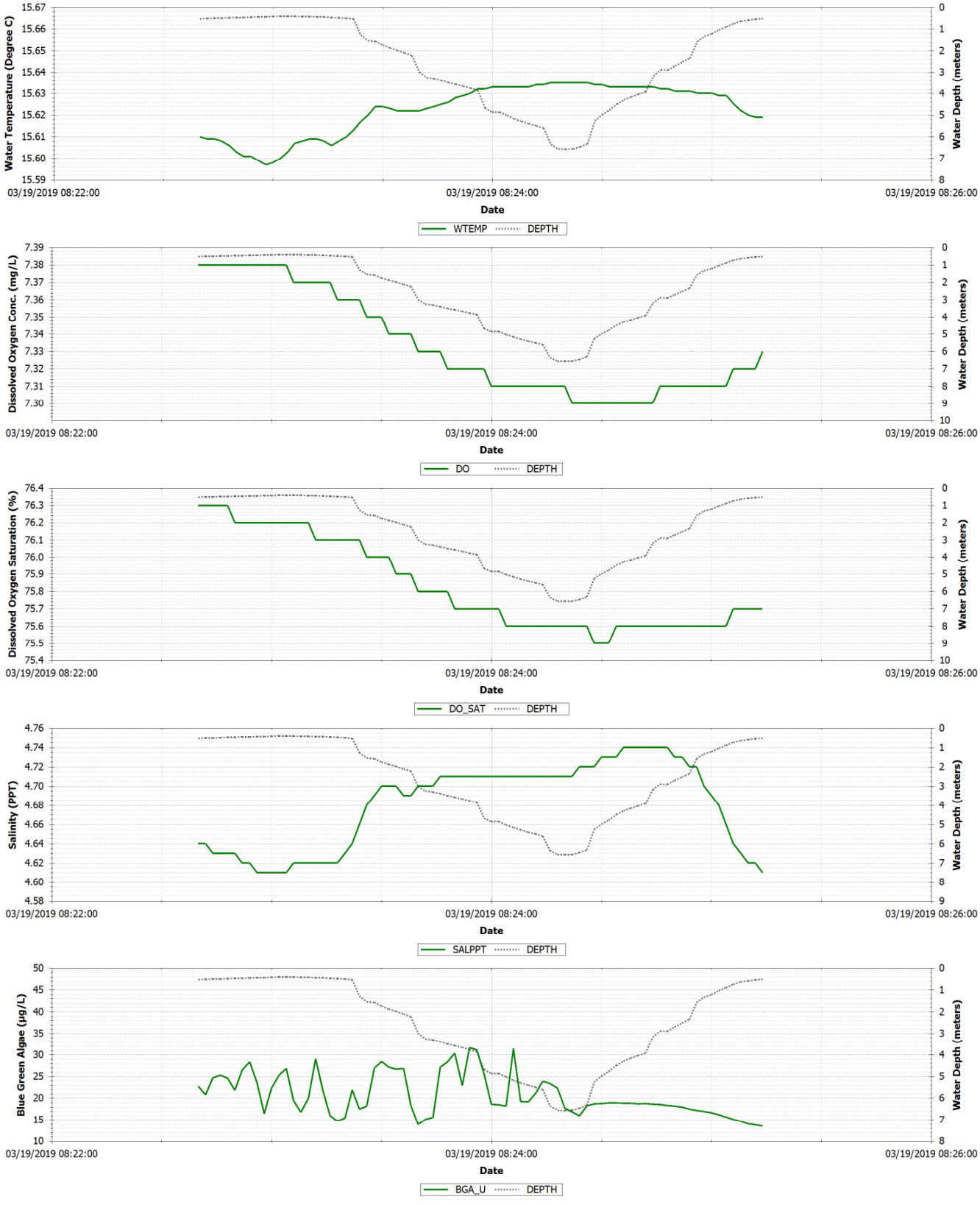


Figure C-34 Back River March 19, 2019 southeast buoy flood tide stationary profile observations (LBR_031919_008)

Figure C-35 Back River March 19, 2019 southeast buoy ebb tide stationary profile observations (LBR_031919_009)

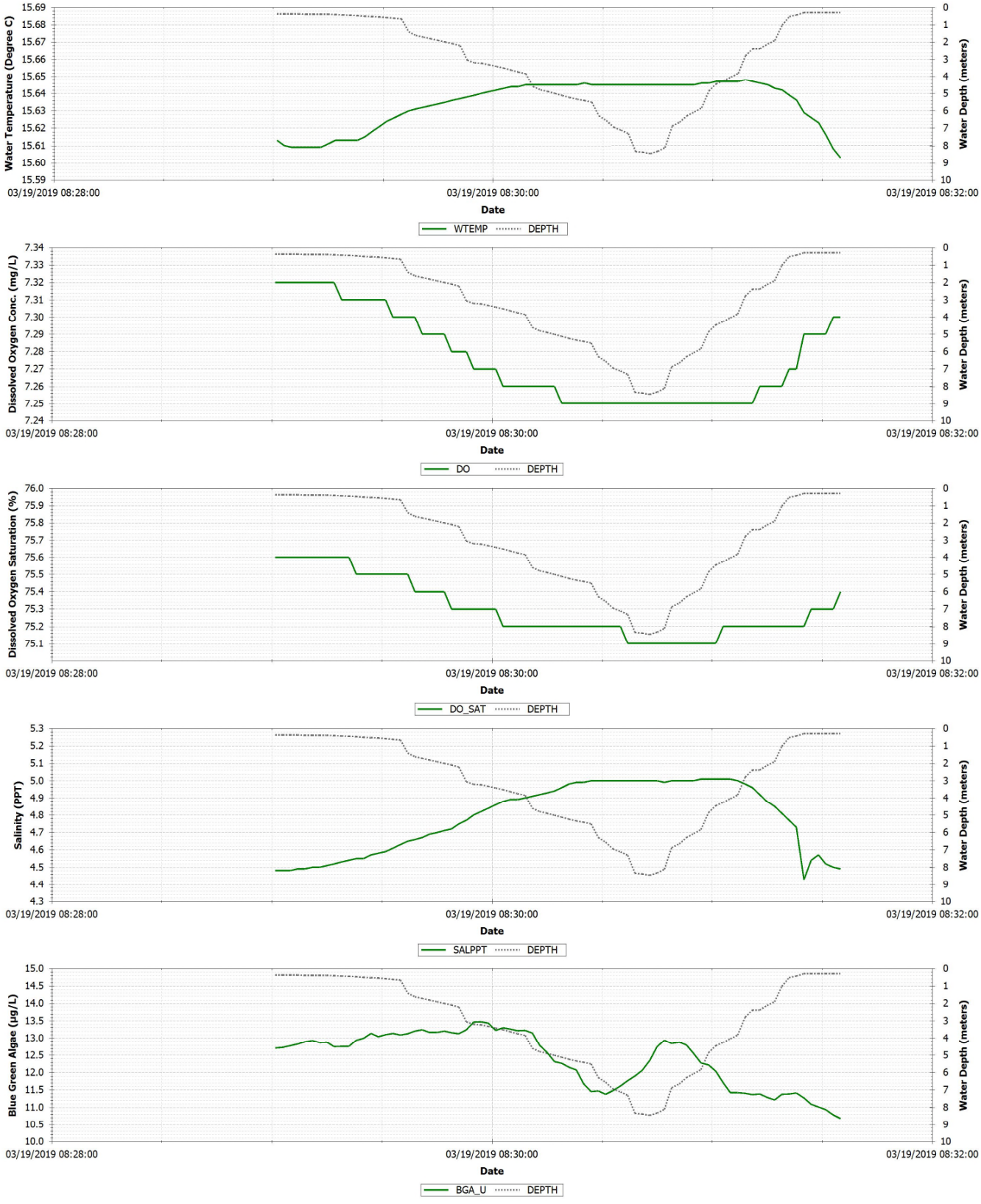


Figure C-36 Back River March 19, 2019 southwest buoy flood tide stationary profile observations (LBR_031919_010)

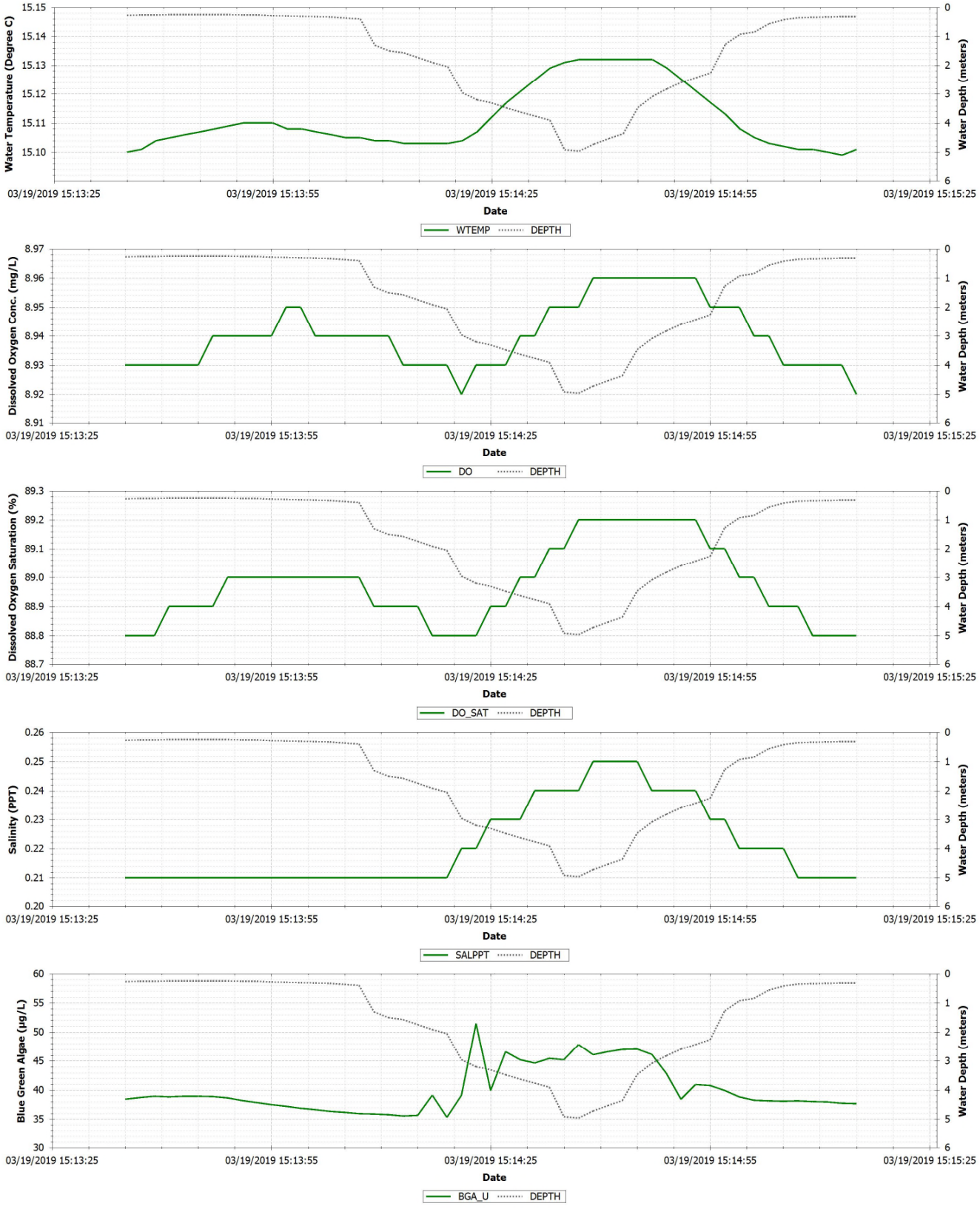


Figure C-37 Back River March 19, 2019 southwest buoy ebb tide stationary profile observations (LBR_031919_011)

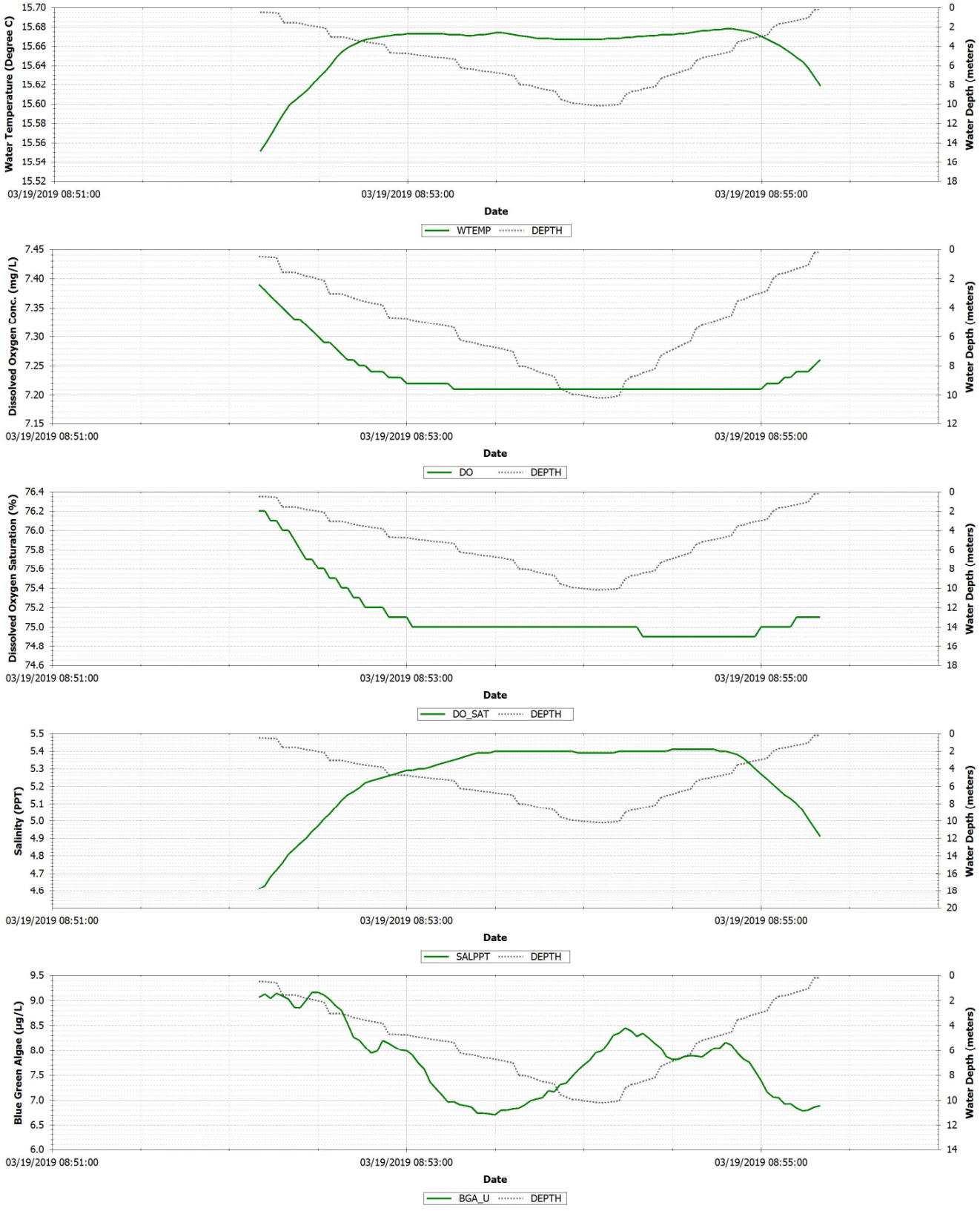


Figure C-38 Back River March 19, 2019 east platform flood tide stationary profile observations (LBR_031919_001)

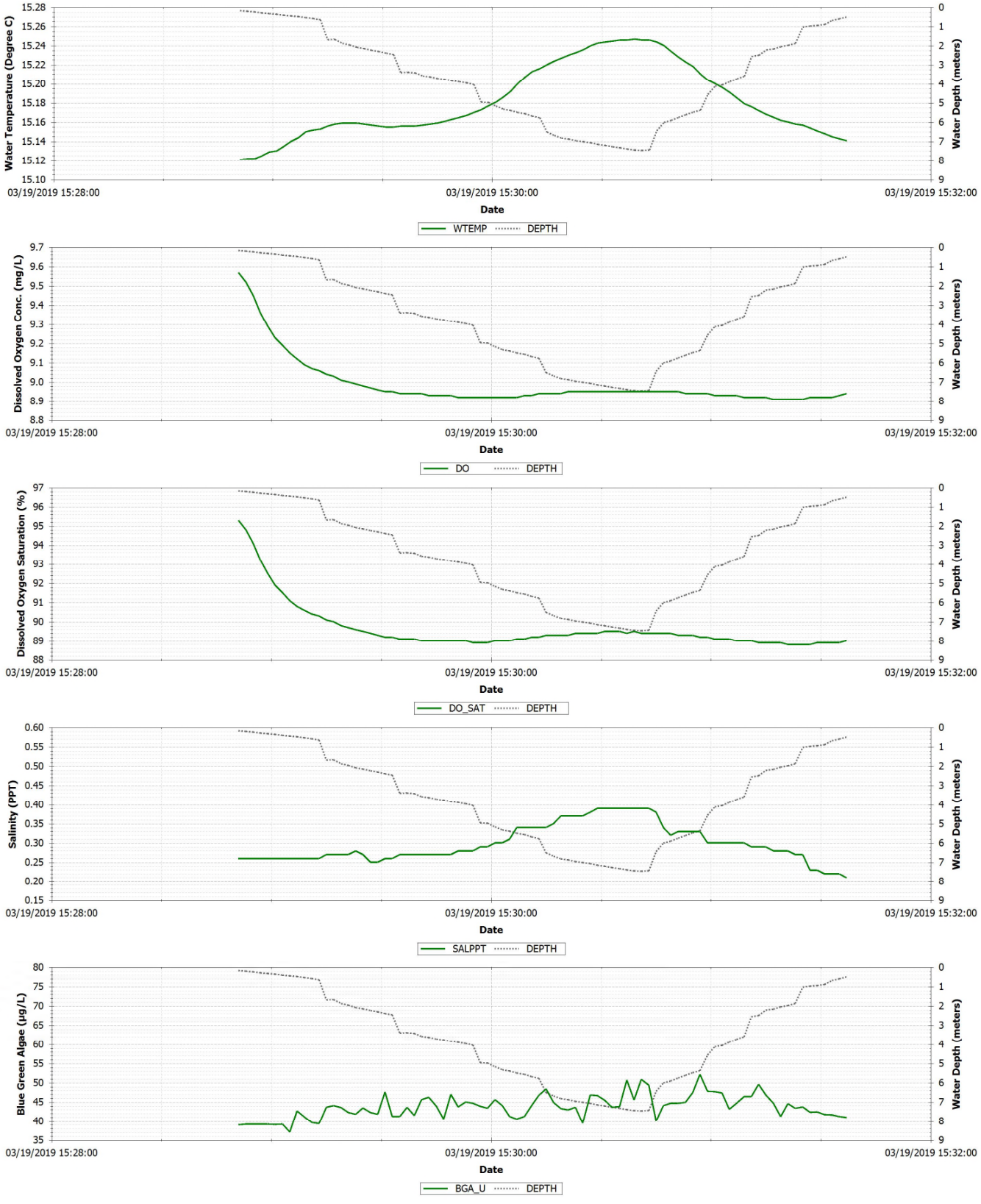


Figure C-39 Back River March 19, 2019 east platform ebb tide stationary profile observations (LBR_031919_002)

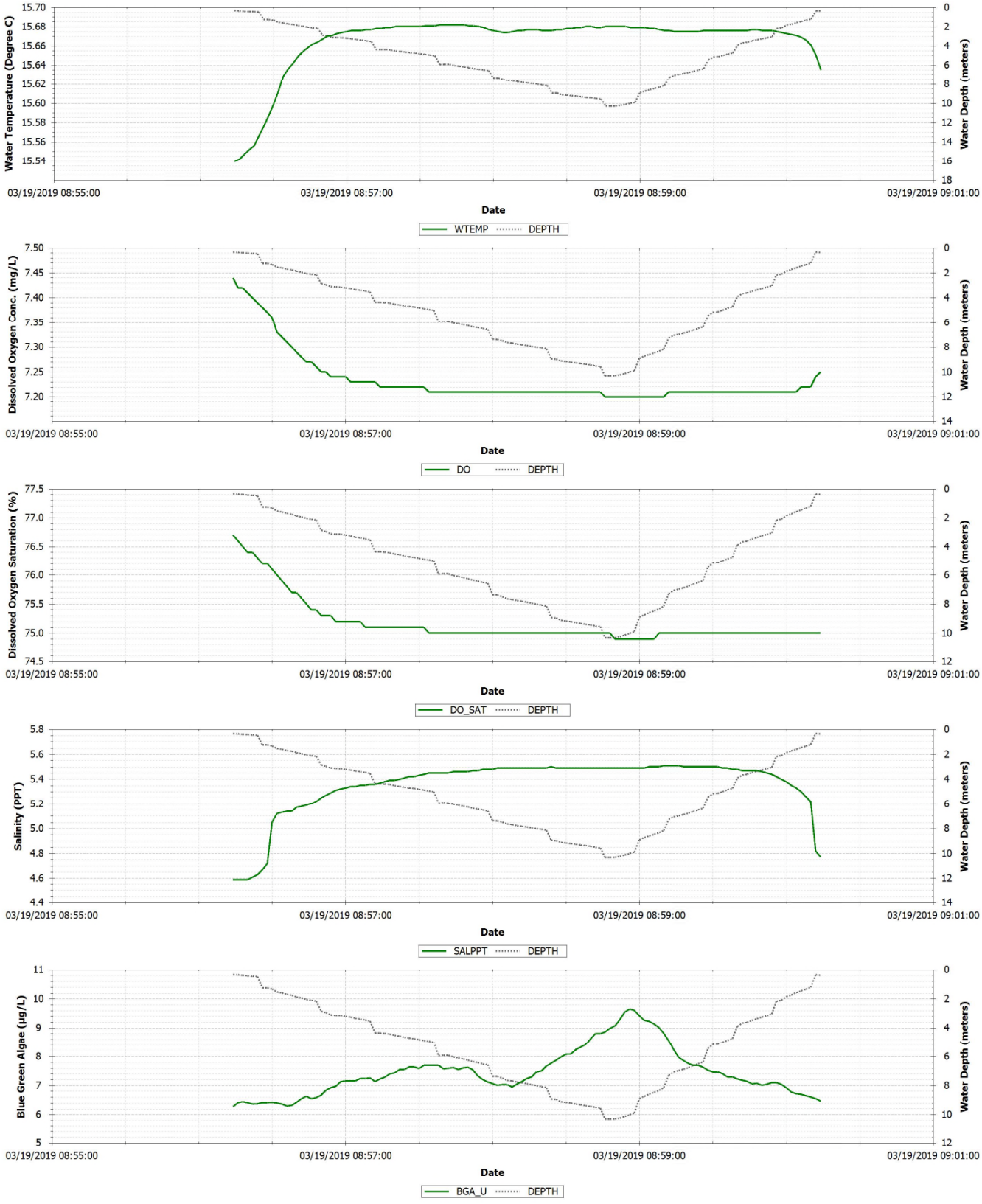


Figure C-40 Back River March 19, 2019 west platform flood tide stationary profile observations (LBR_031919_014)

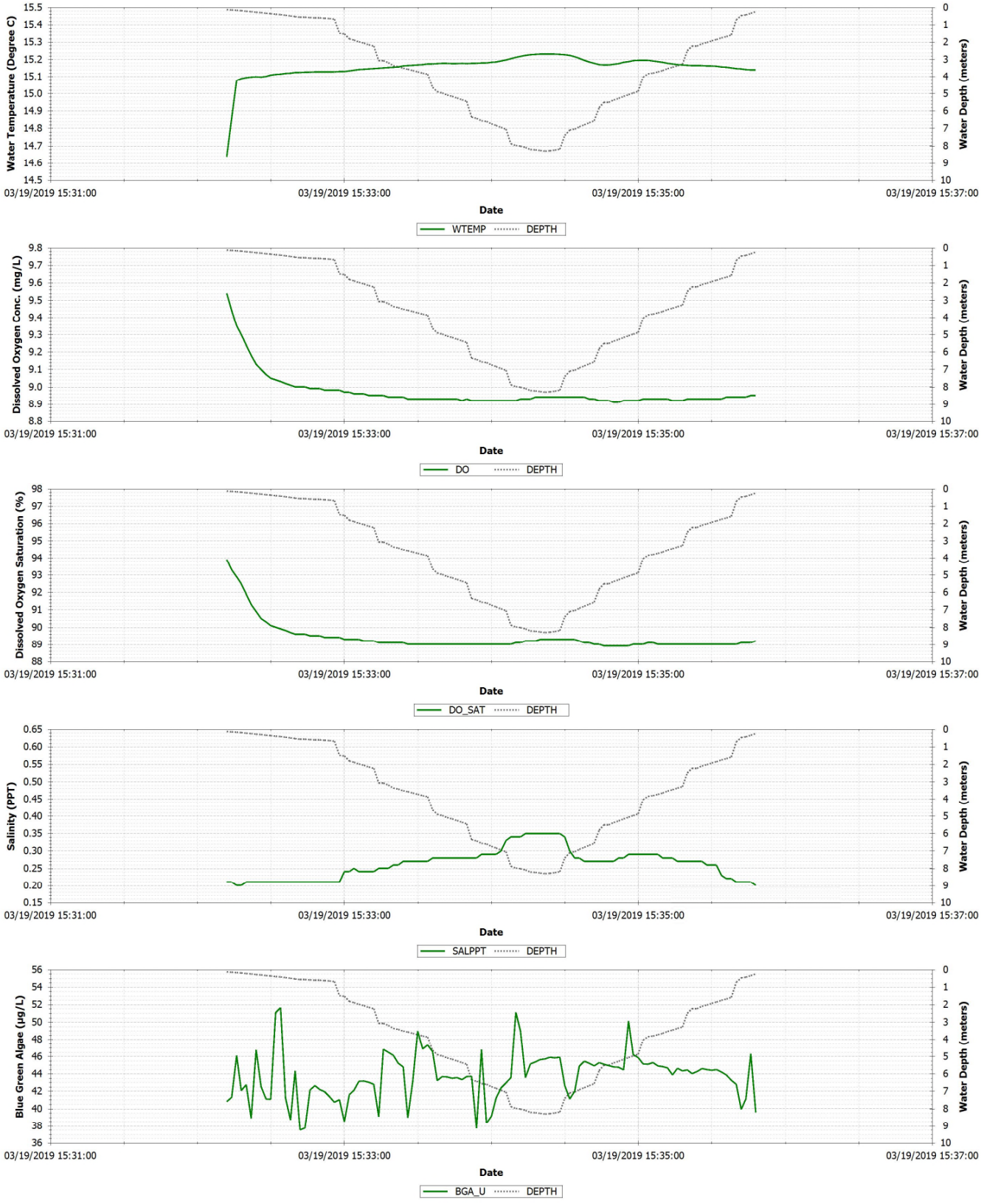


Figure C-41 Back River March 19, 2019 west platform ebb tide stationary profile observations (LBR_031919_015)

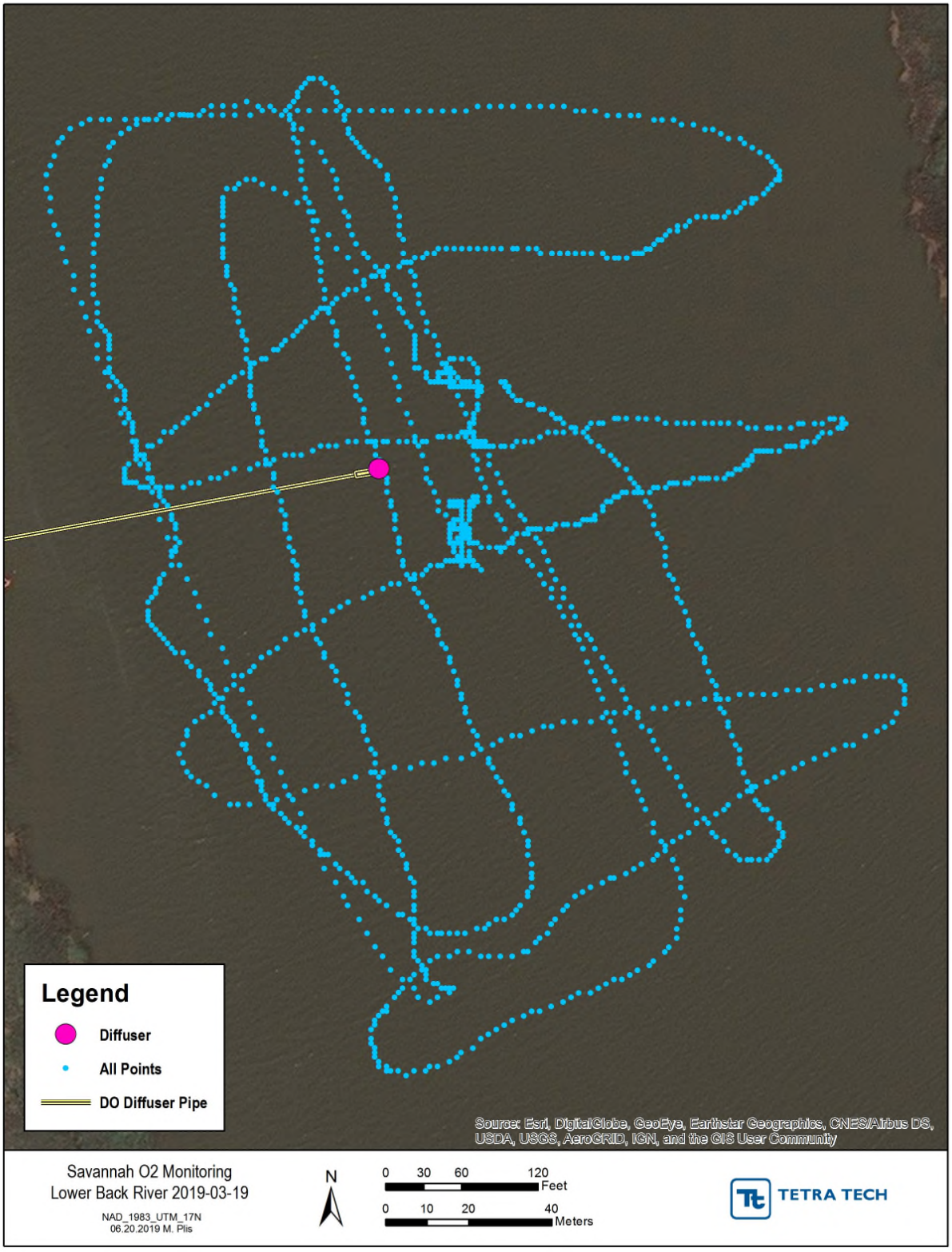


Figure C-42 Back River March 19, 2019 flood tide traveling profile location map (LBR_031919_003)

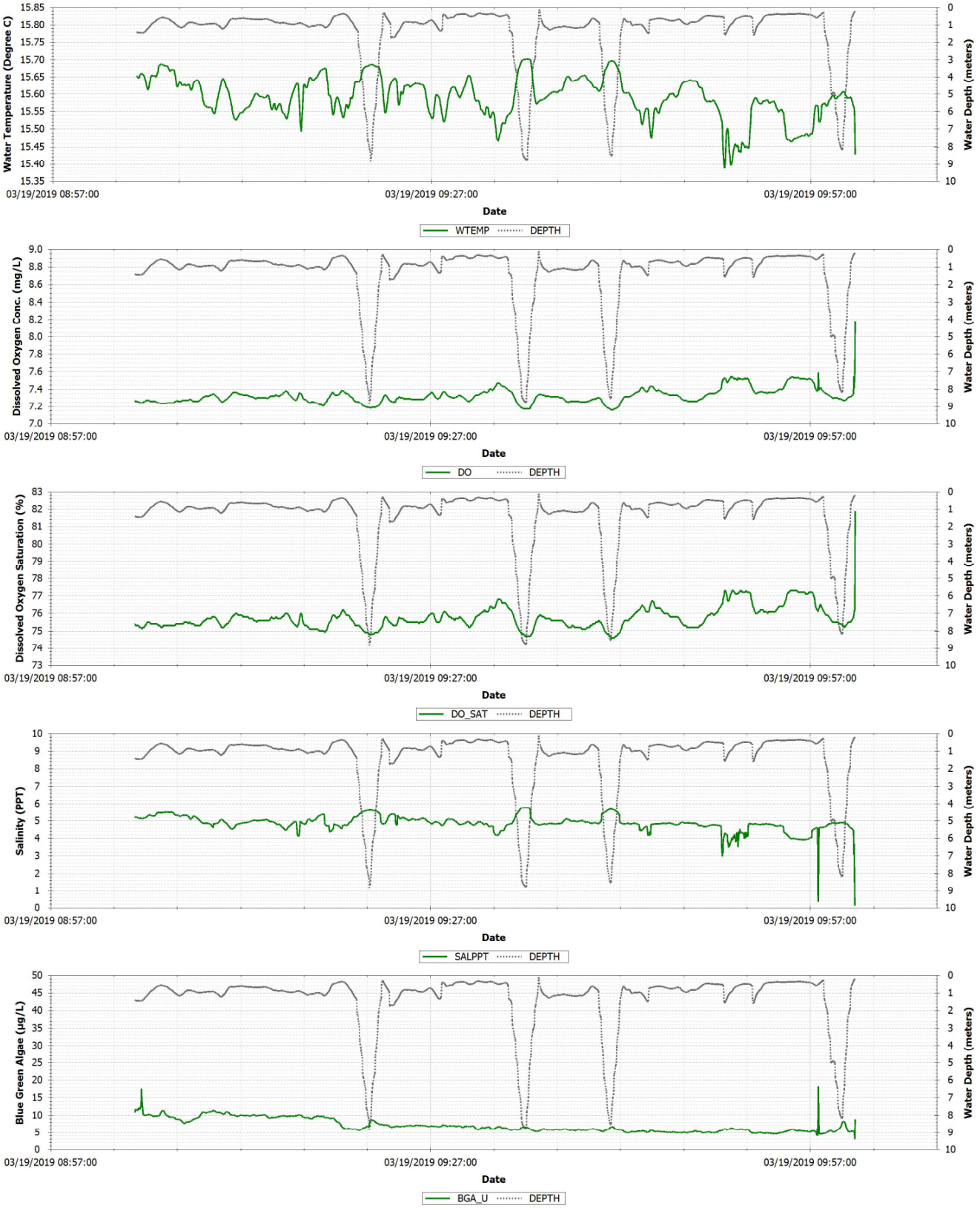


Figure C-43 Back River March 19, 2019 flood tide traveling profile observations (LBR_031919_003)

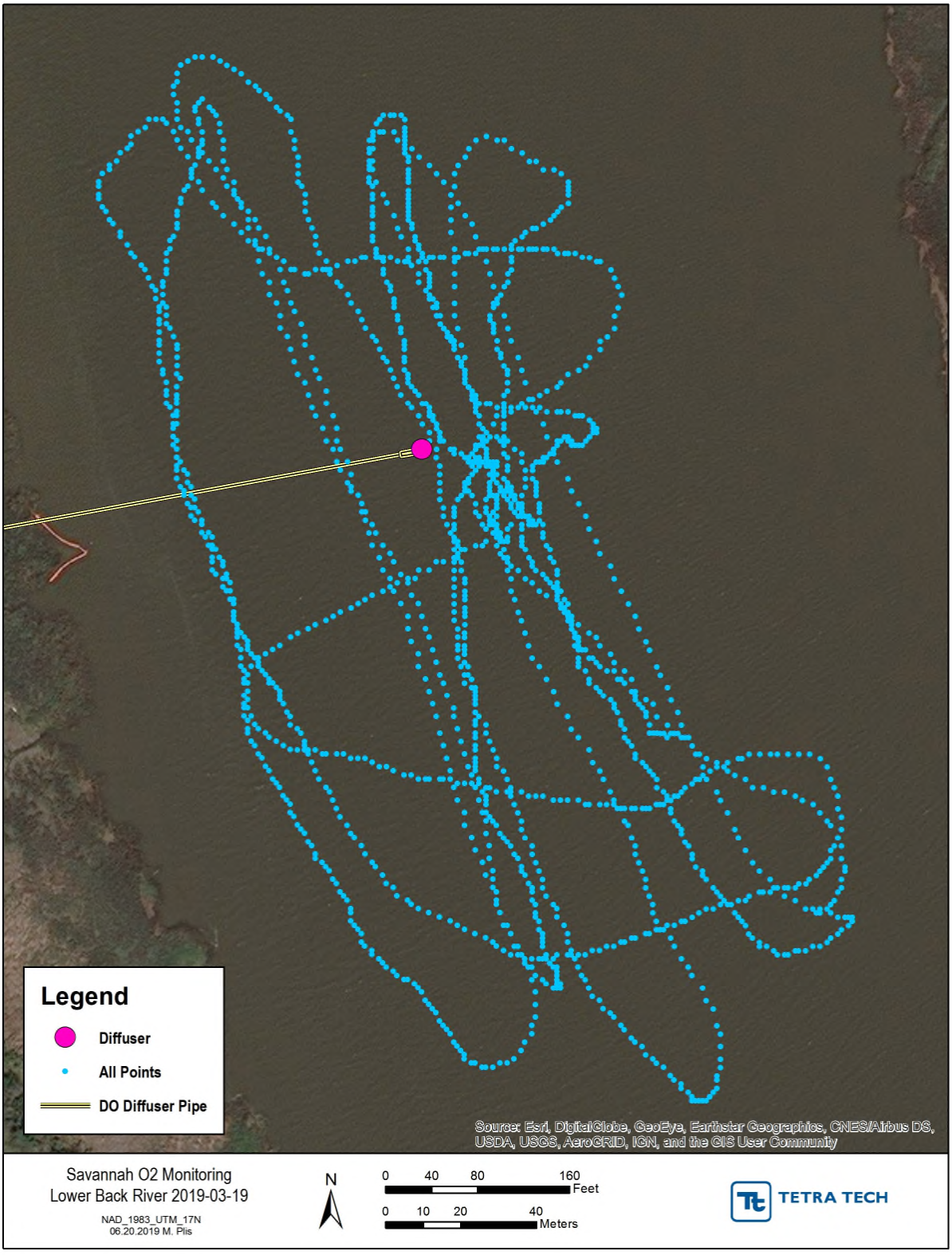


Figure C-44 Back River March 19, 2019 ebb tide traveling profile period 1 location map (LBR_031919_013)

Figure C-45 Back River March 19, 2019 ebb tide traveling profile period 1 observations (LBR_031919_013)

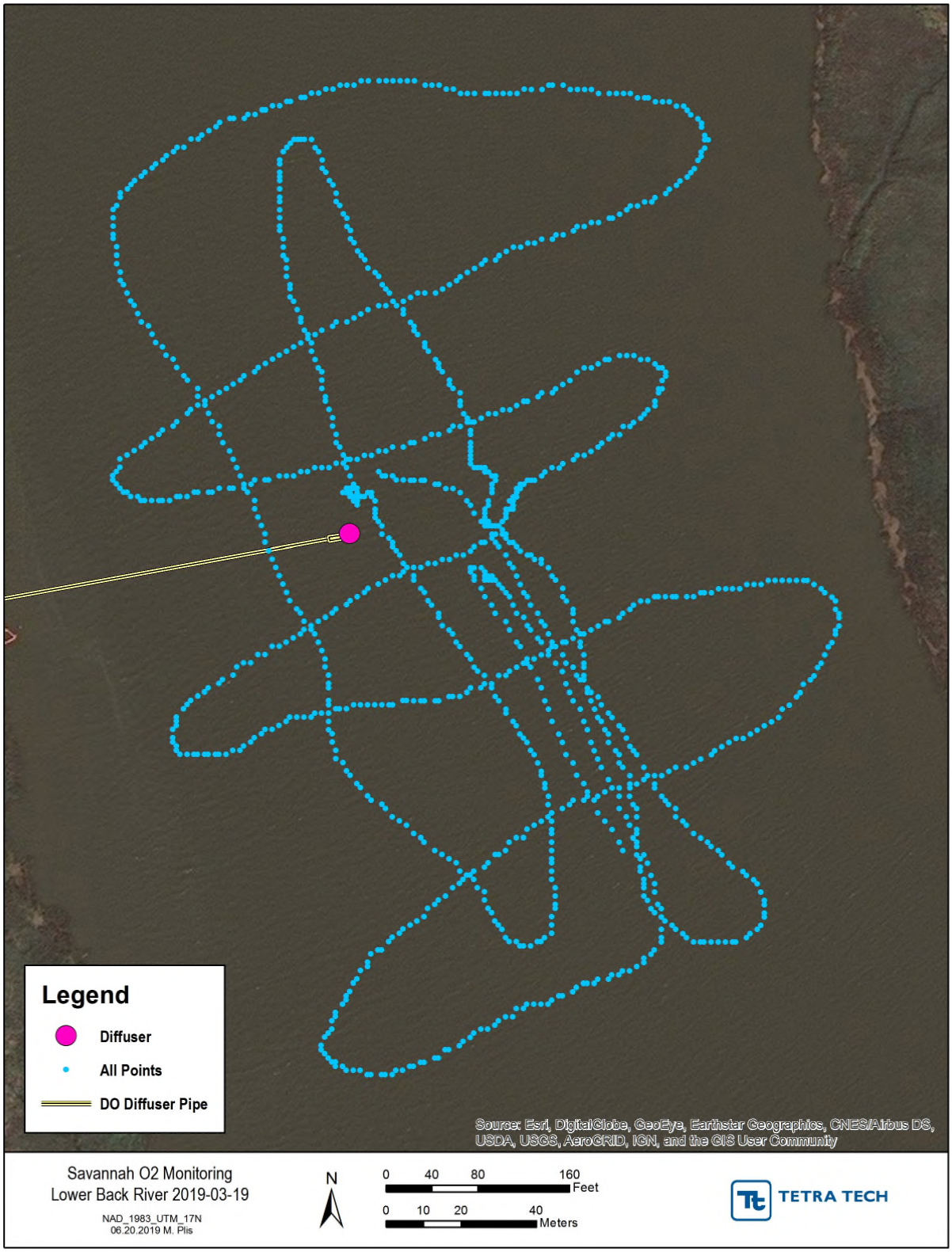


Figure C-46 Back River March 19, 2019 ebb tide traveling profile period 2 location map (LBR_031919_012)

Figure C-47 Back River March 19, 2019 ebb tide traveling profile period 2 observations (LBR_031919_012)

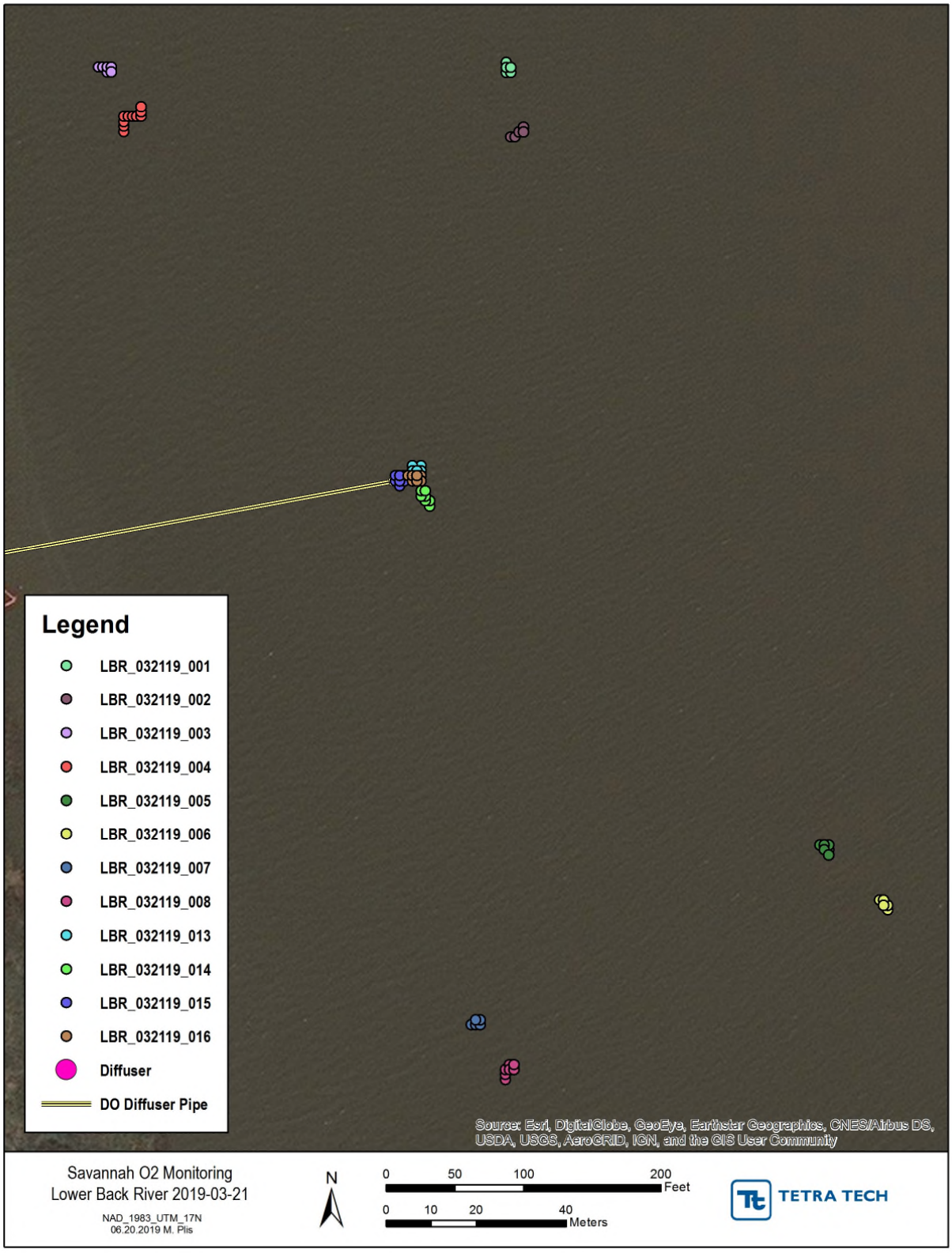


Figure C-48 Back River March 21, 2019 stationary profiles location map

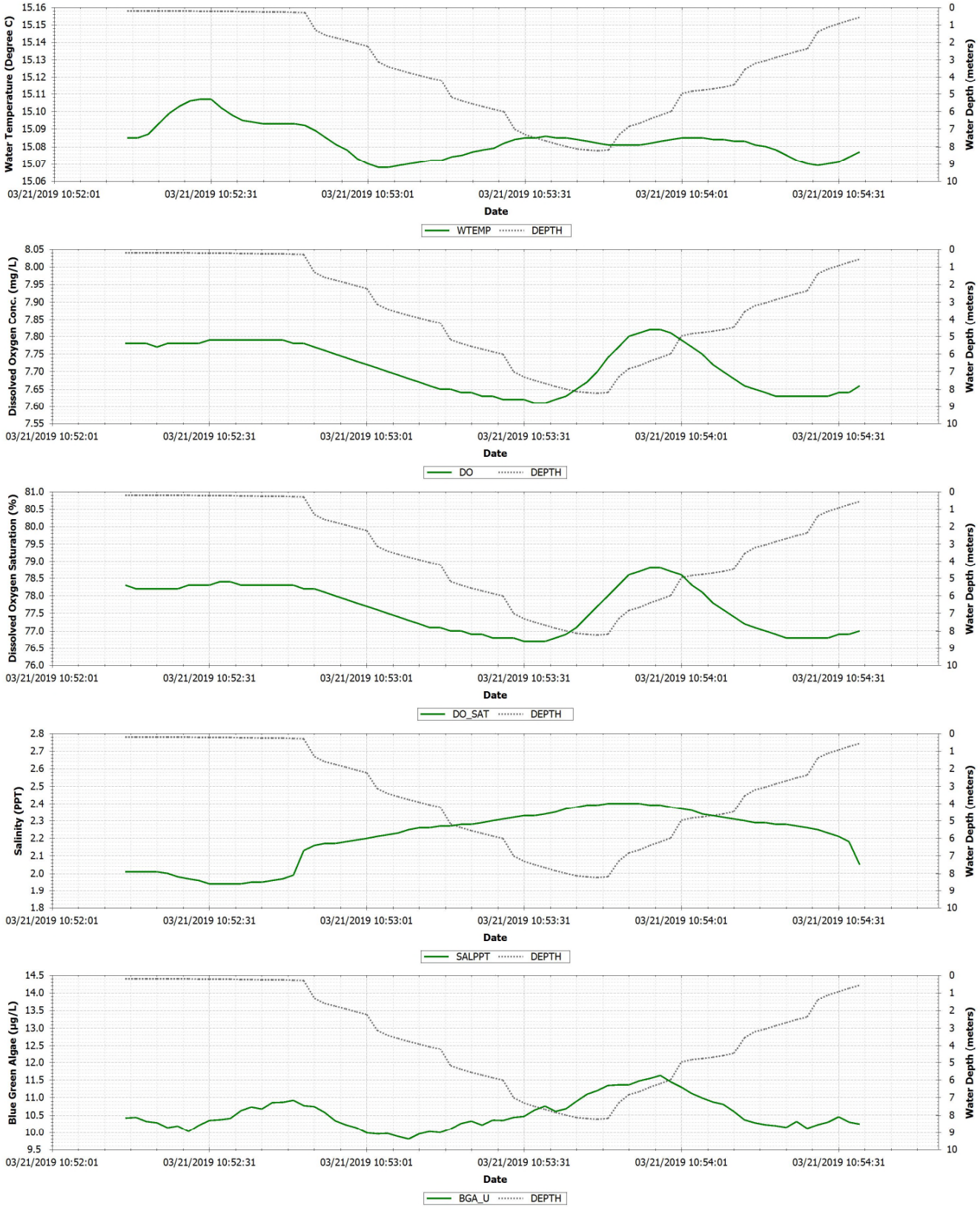


Figure C-49 Back River March 21, 2019 northeast buoy flood tide stationary profile observations (LBR_032119_001)

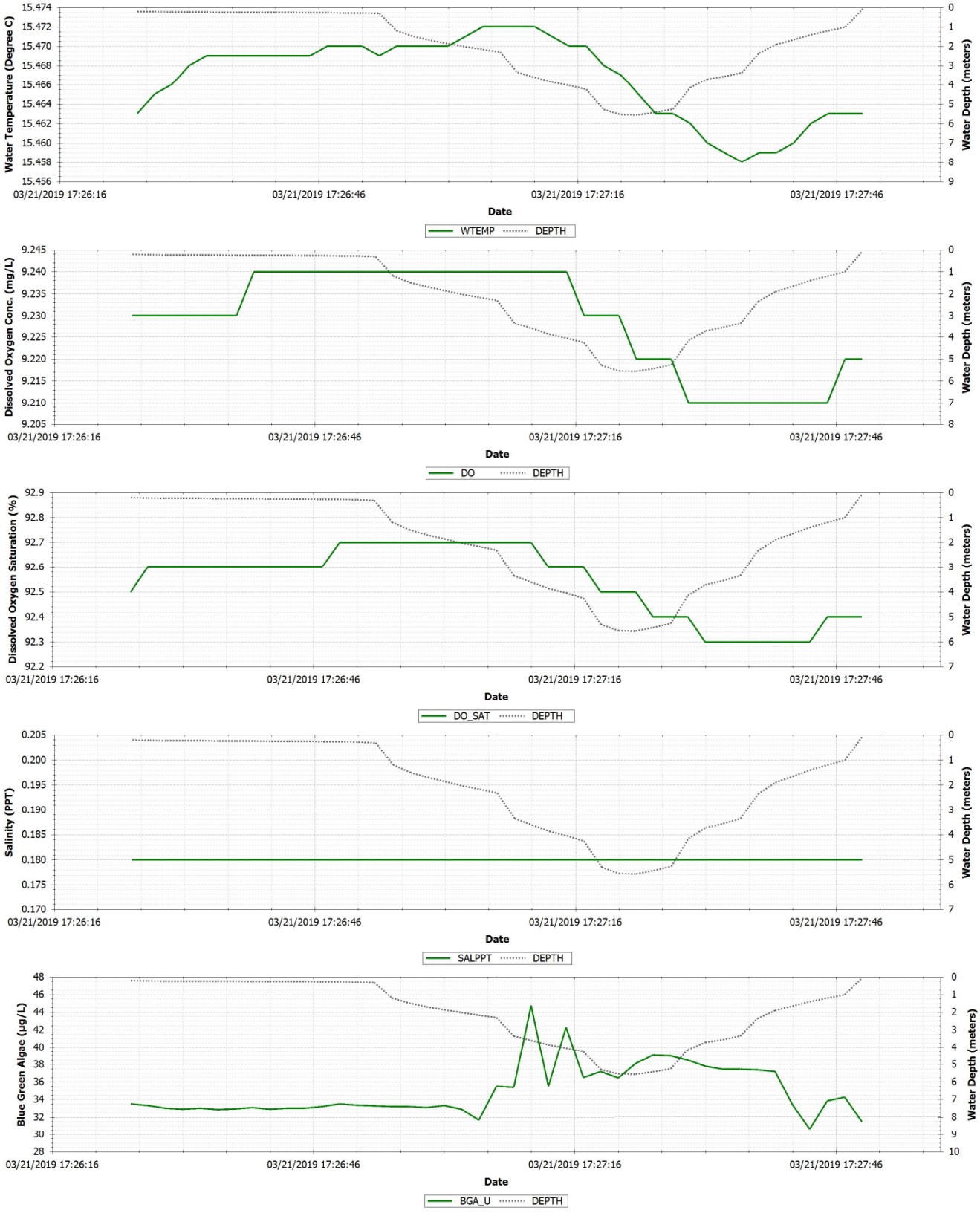


Figure C-50 Back River March 21, 2019 northeast buoy ebb tide stationary profile observations (LBR_032119_002)

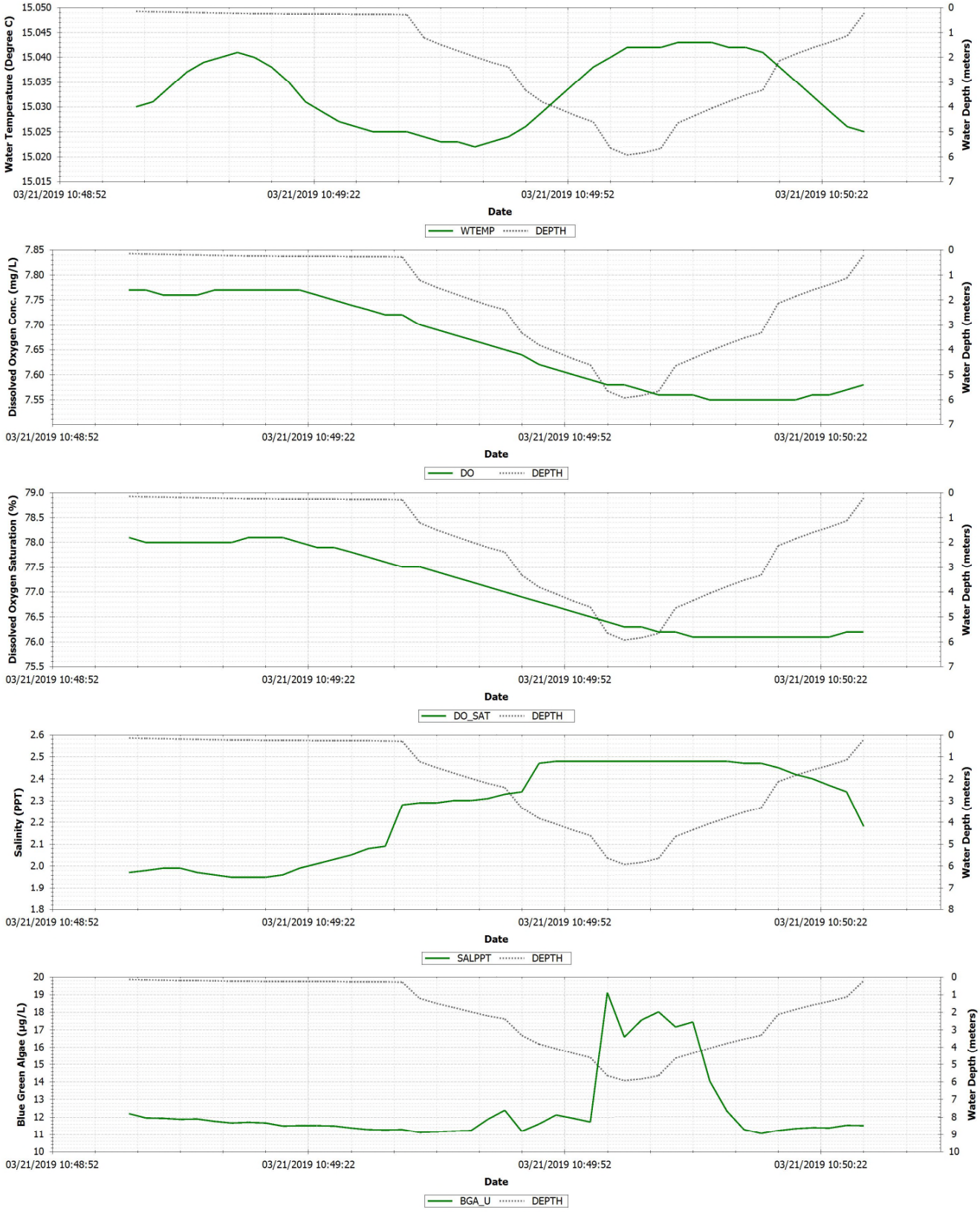


Figure C-51 Back River March 21, 2019 northwest buoy flood tide stationary profile observations (LBR_032119_003)

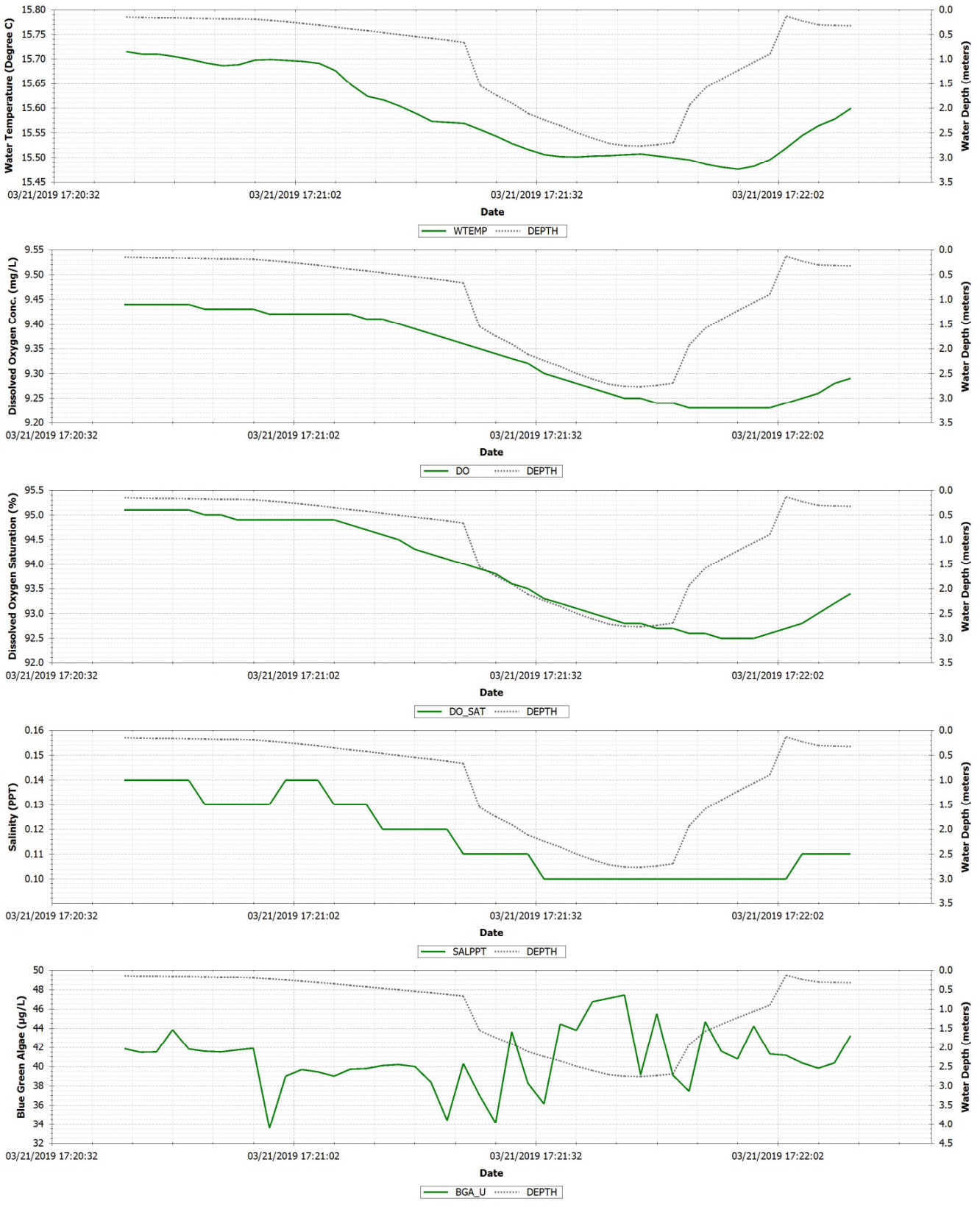


Figure C-52 Back River March 21, 2019 northwest buoy ebb tide stationary profile observations (LBR_032119_004)

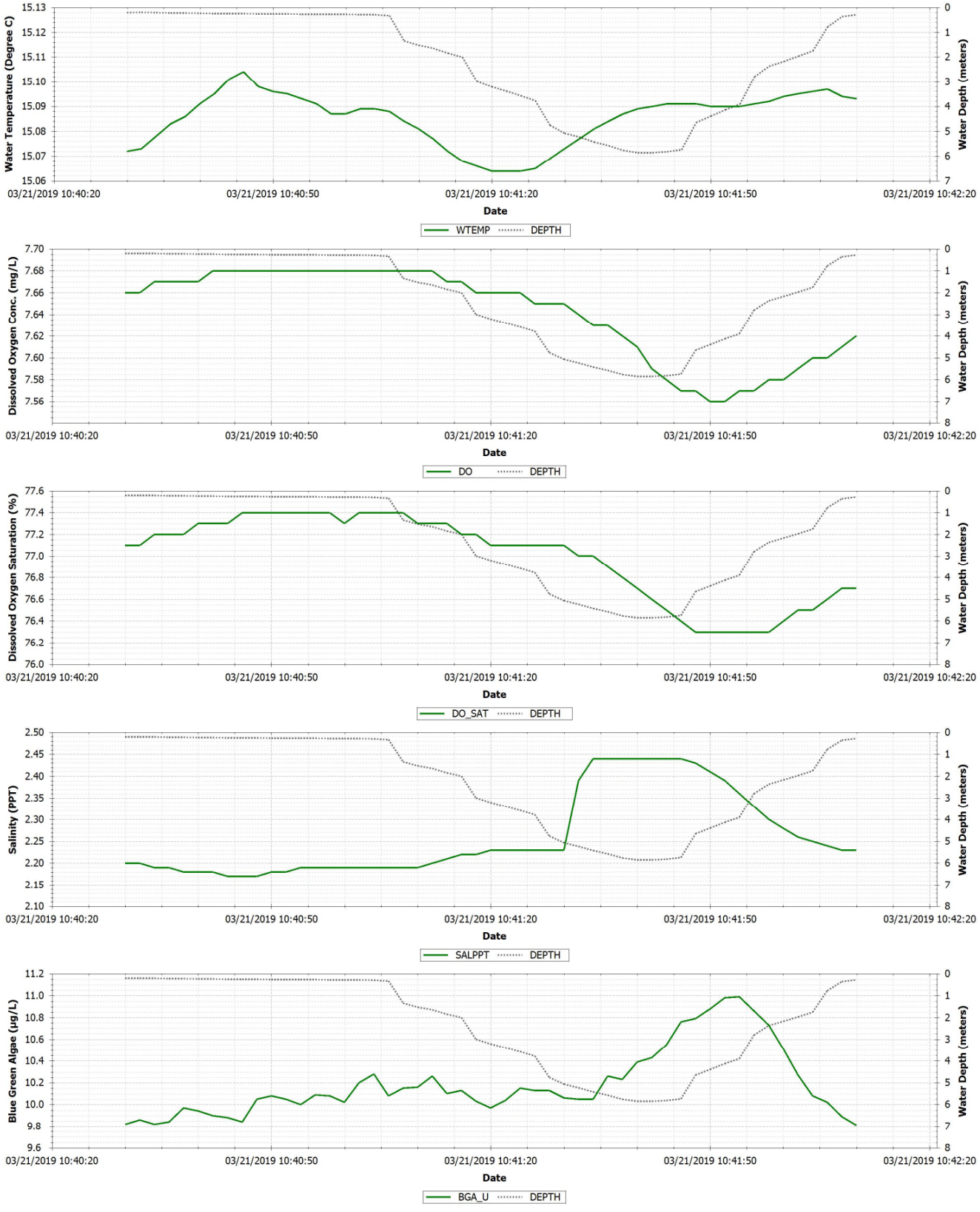


Figure C-53 Back River March 21, 2019 southeast buoy flood tide stationary profile observations (LBR_032119_005)

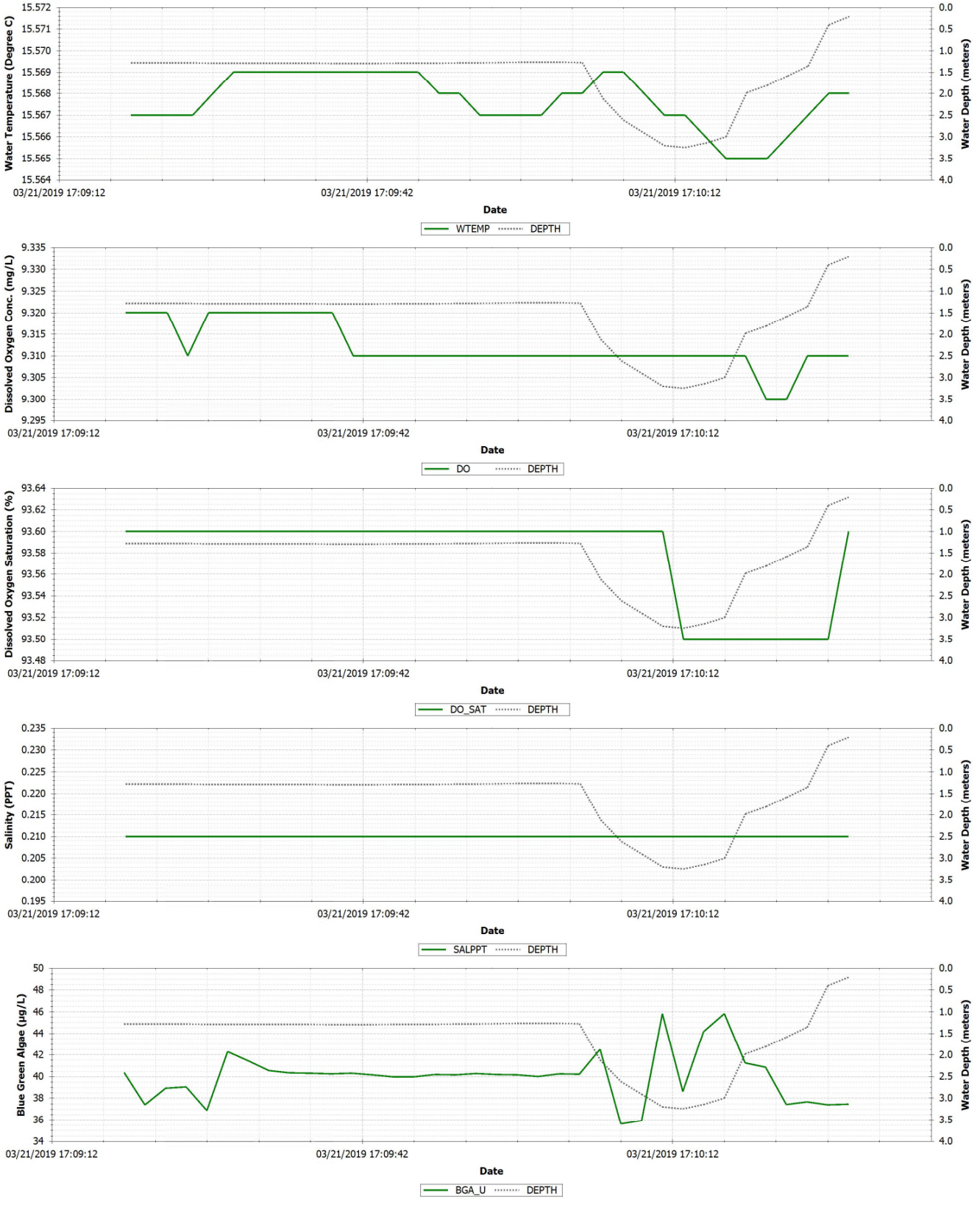


Figure C-54 Back River March 21, 2019 southeast buoy ebb tide stationary profile observations (LBR_032119_006)

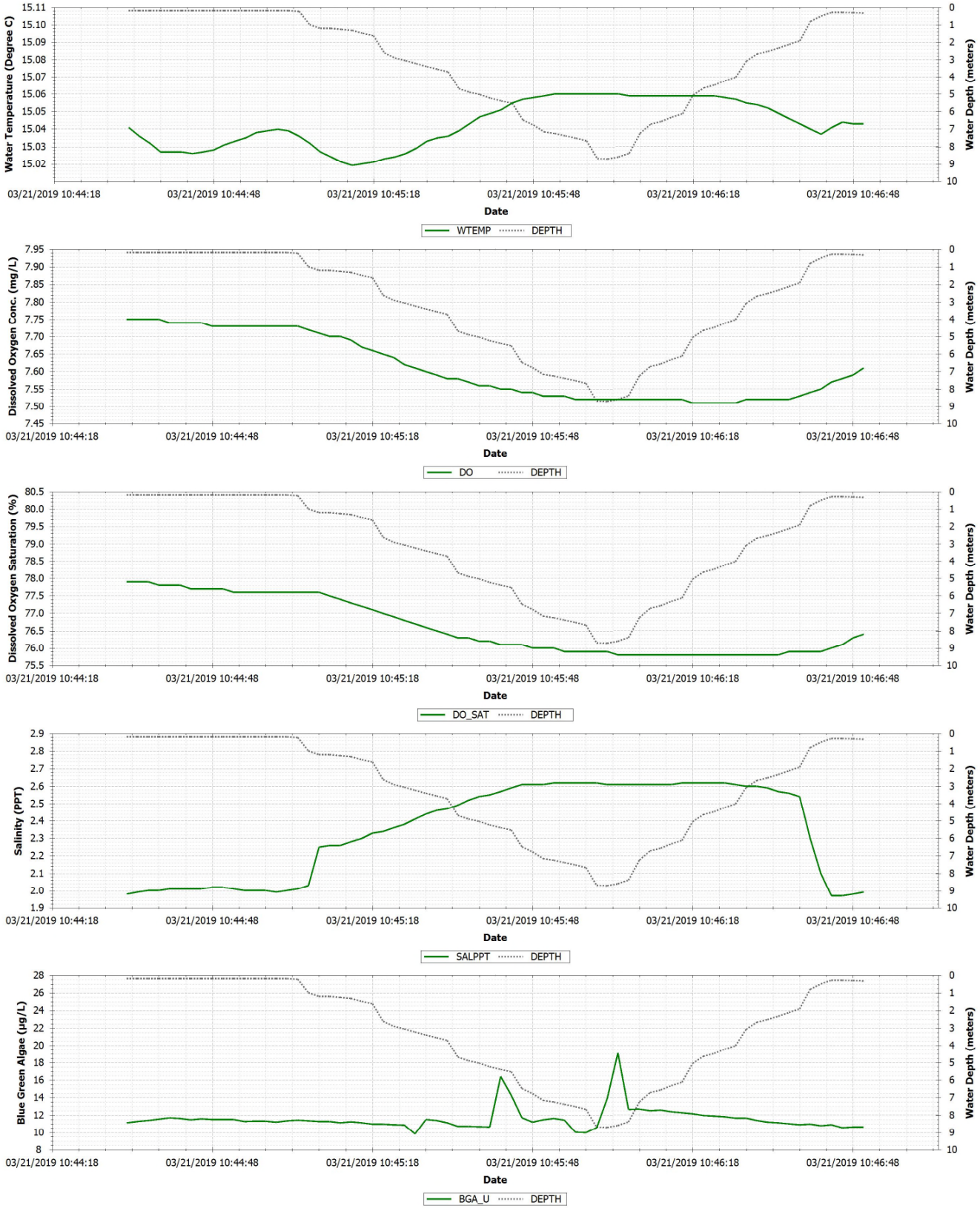


Figure C-55 Back River March 21, 2019 southwest buoy flood tide stationary profile observations (LBR_032119_007)

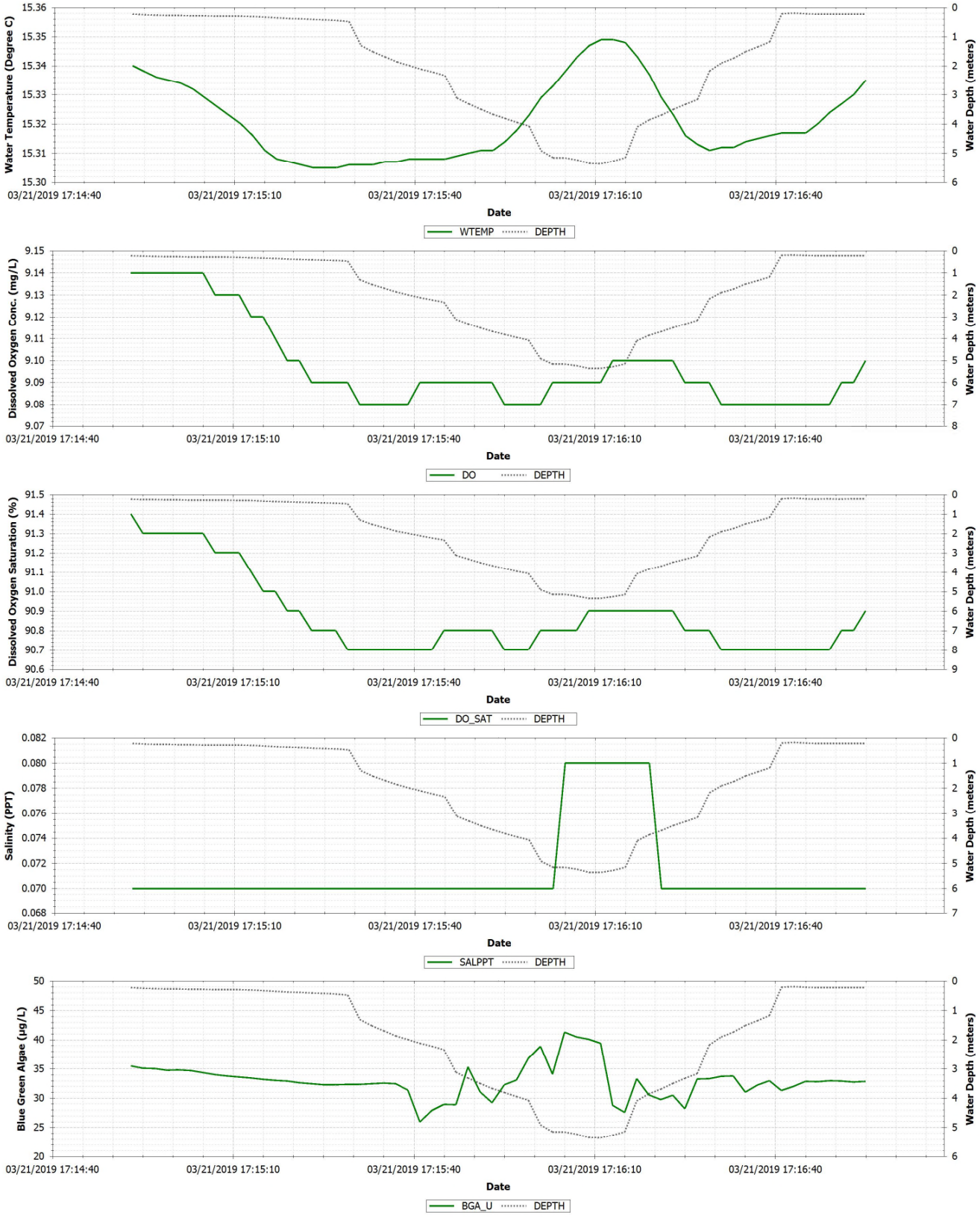


Figure C-56 Back River March 21, 2019 southwest buoy ebb tide stationary profile observations (LBR_032119_008)

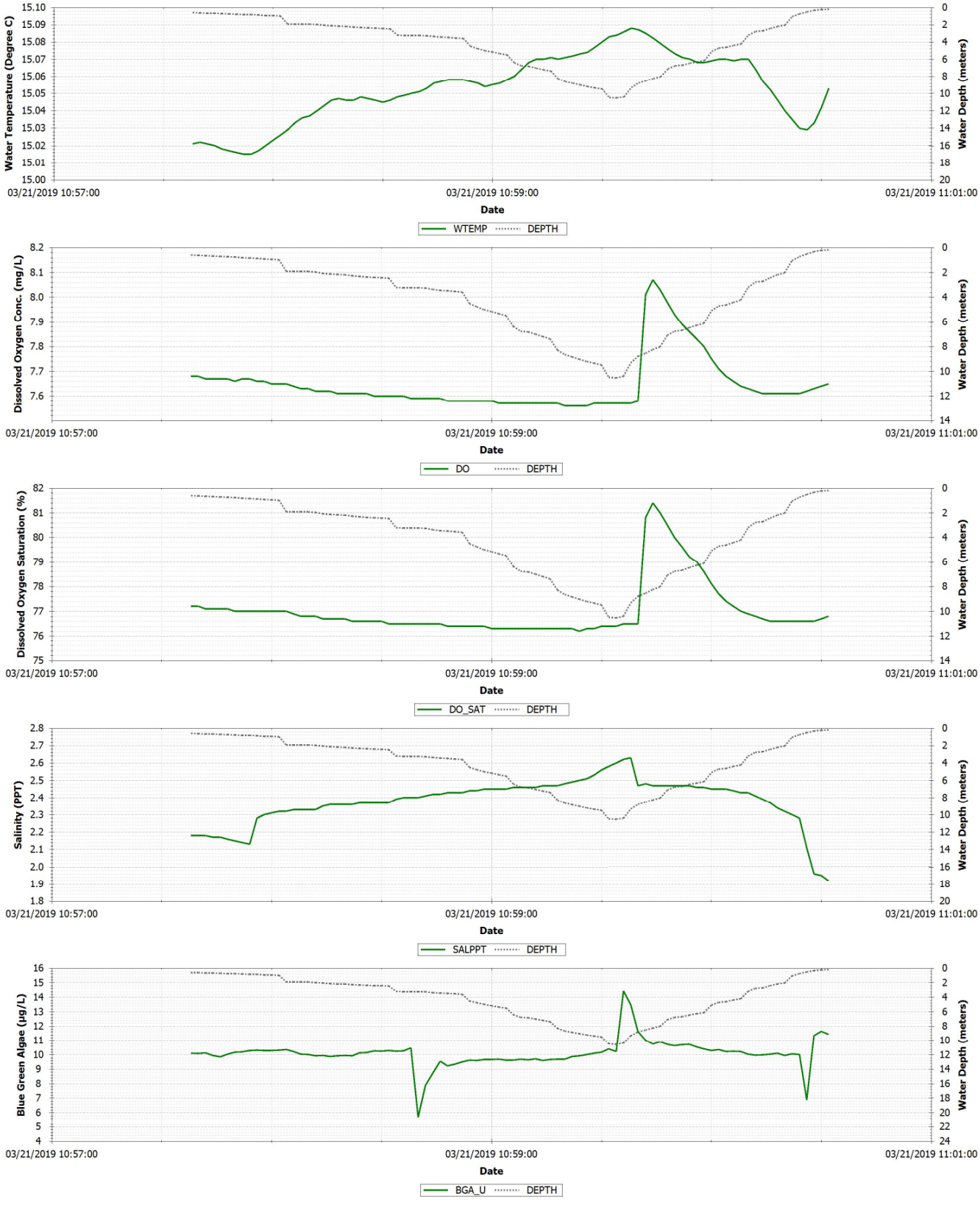


Figure C-57 Back River March 21, 2019 east platform flood tide stationary profile observations (LBR_032119_013)

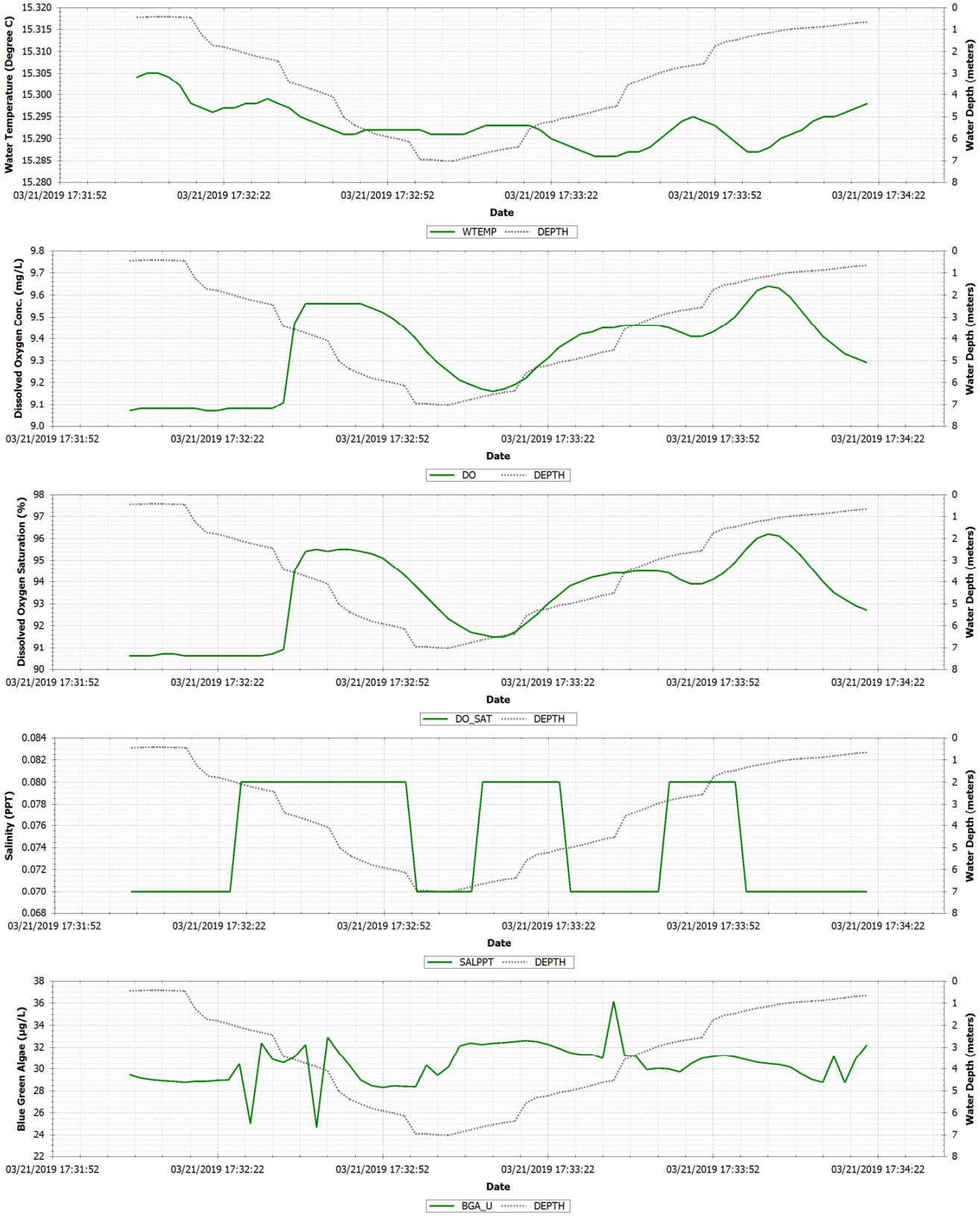


Figure C-58 Back River March 21, 2019 east platform ebb tide stationary profile observations (LBR_032119_014)

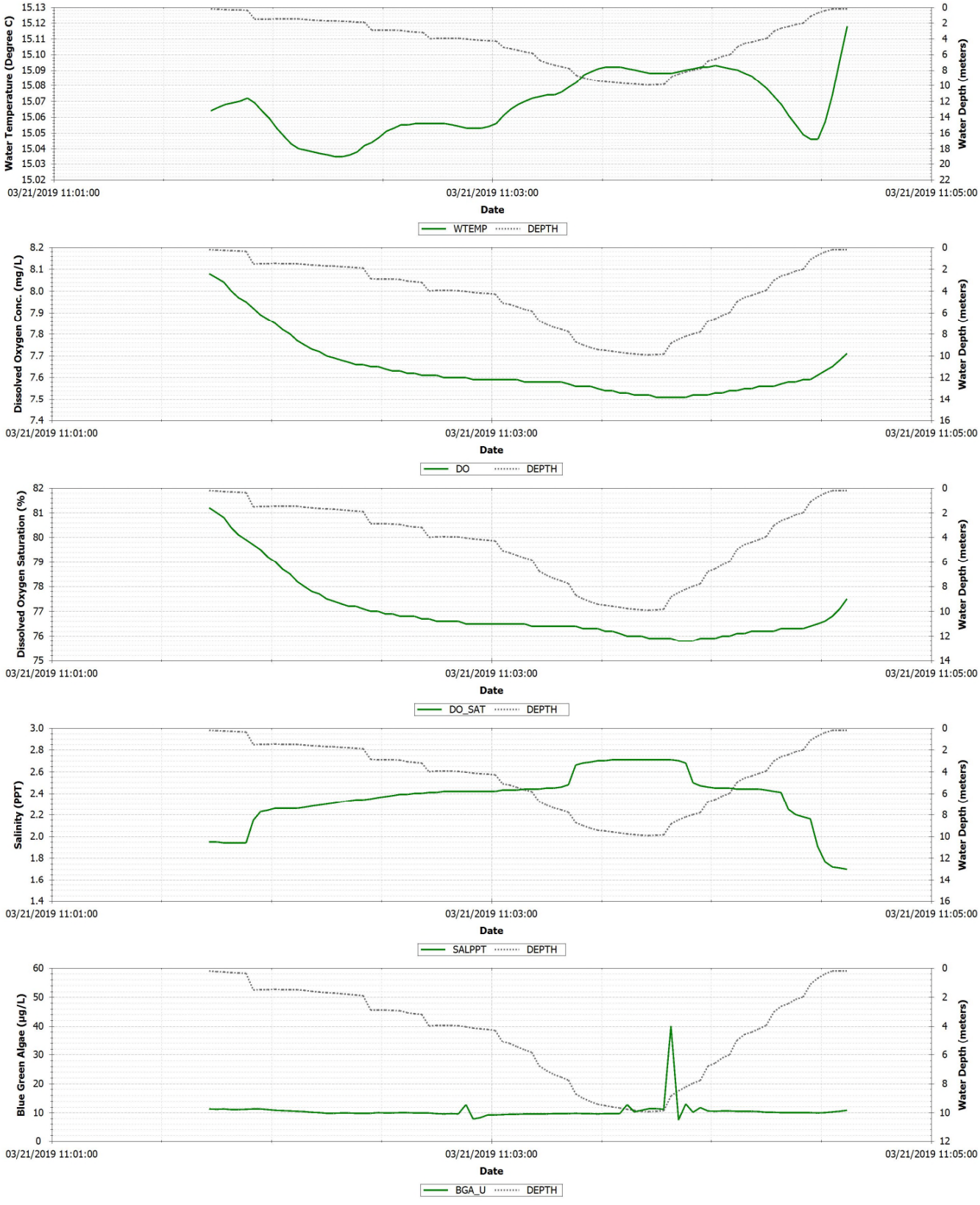


Figure C-59 Back River March 21, 2019 west platform flood tide stationary profile observations (LBR_032119_015)

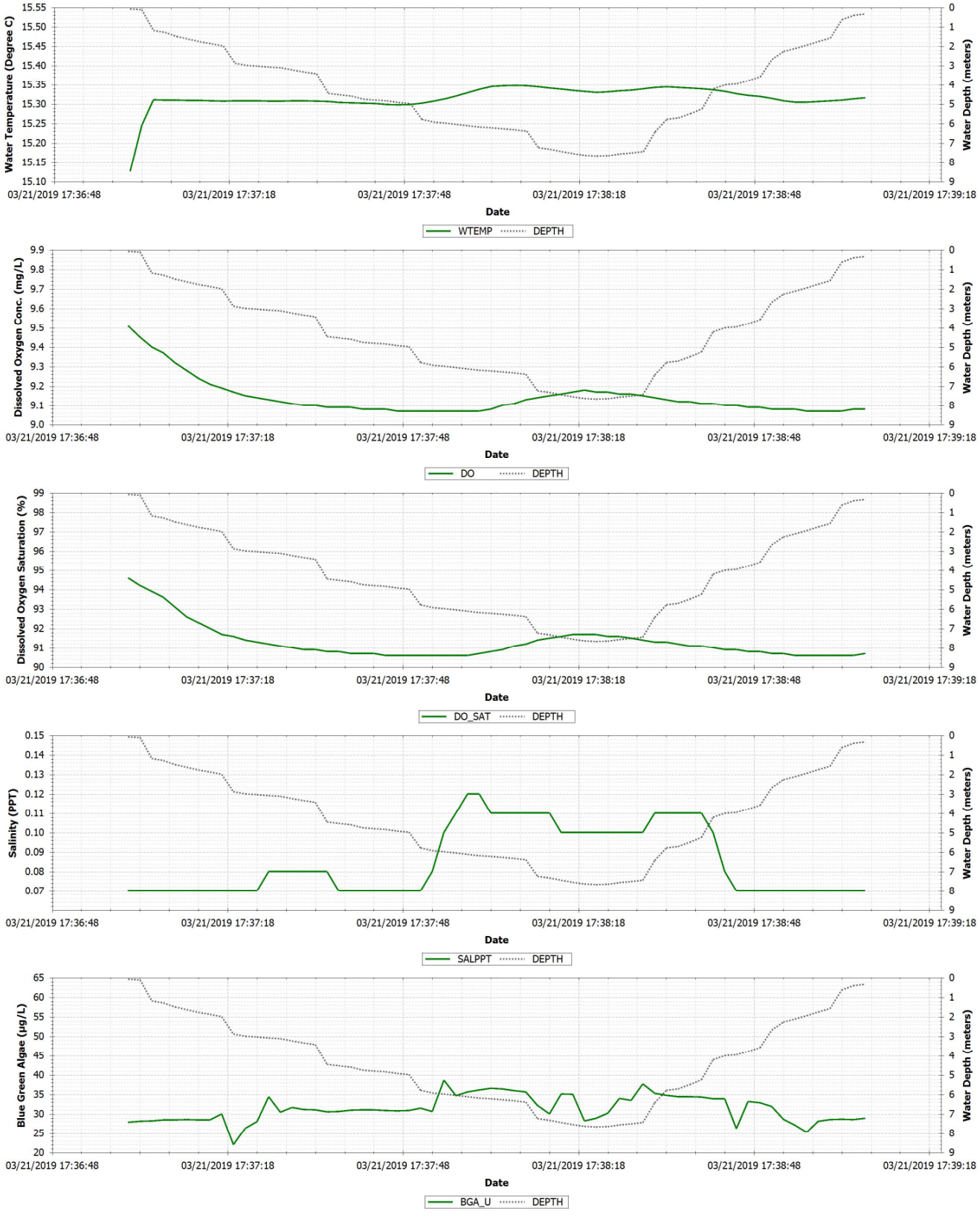


Figure C-60 Back River March 21, 2019 west platform ebb tide stationary profile observations (LBR_032119_016)

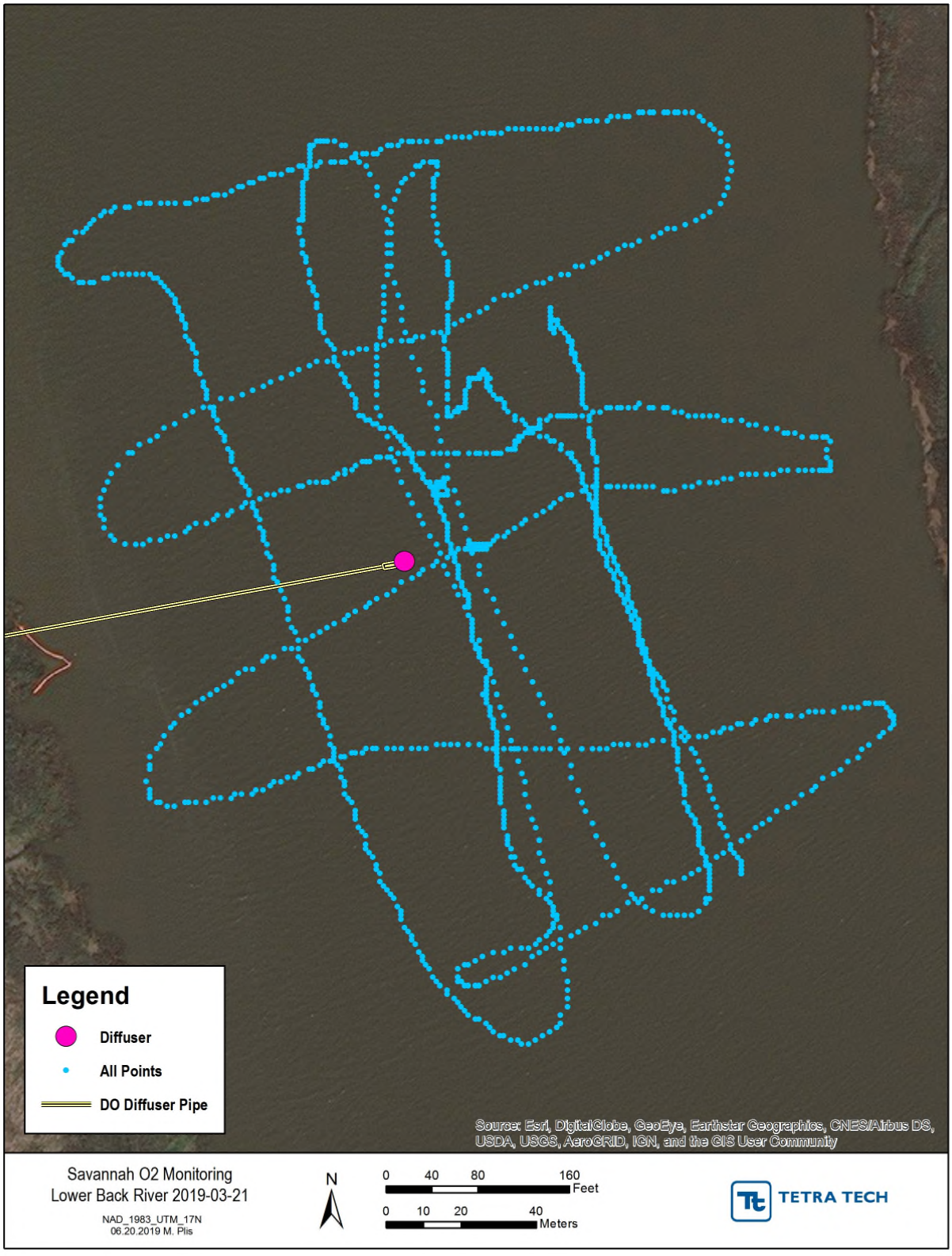


Figure C-61 Back River March 21, 2019 flood tide traveling profile period 1 location map (LBR_032119_010)

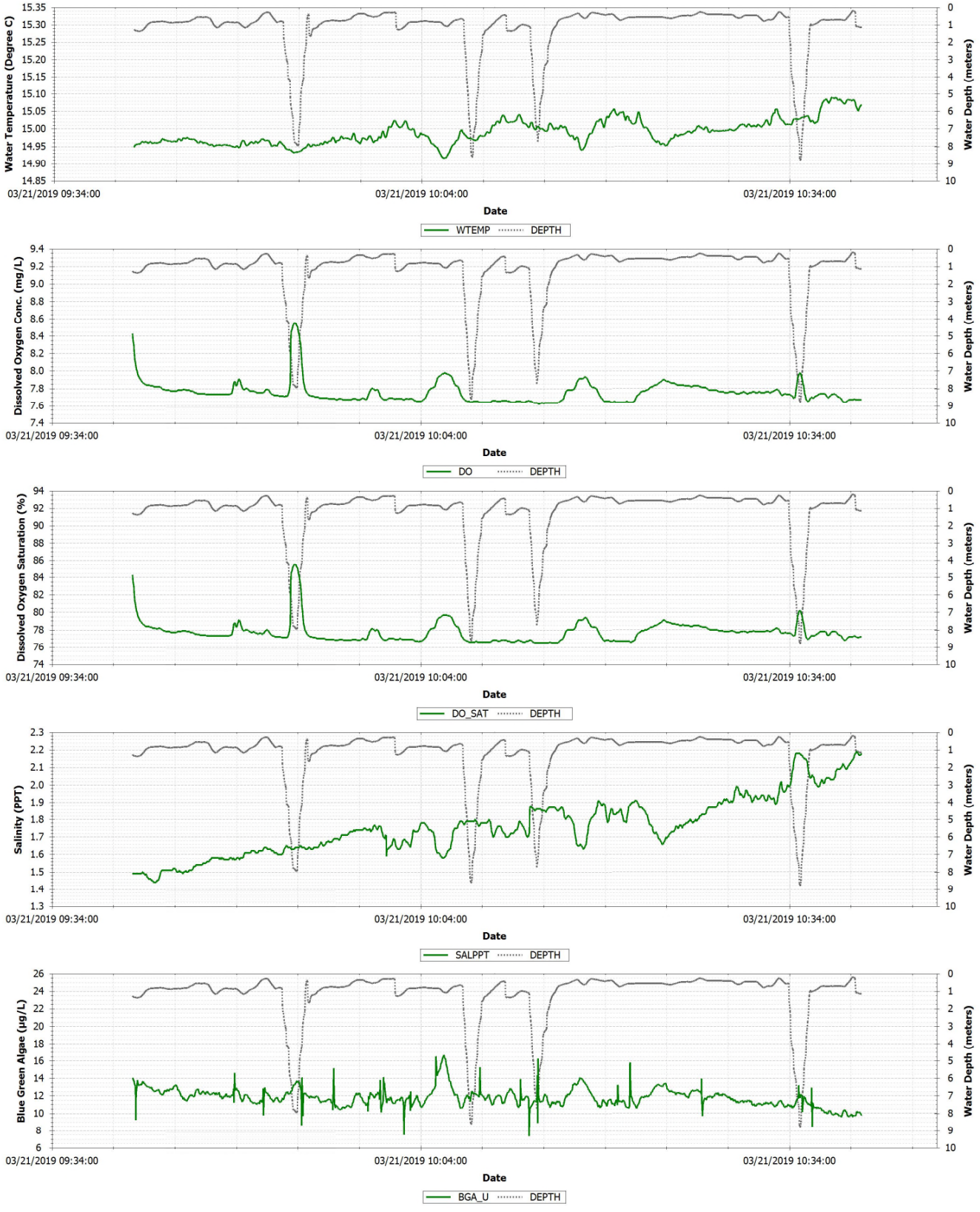


Figure C-62 Back River March 21, 2019 flood tide traveling profile period 1 observations (LBR_032119_010)

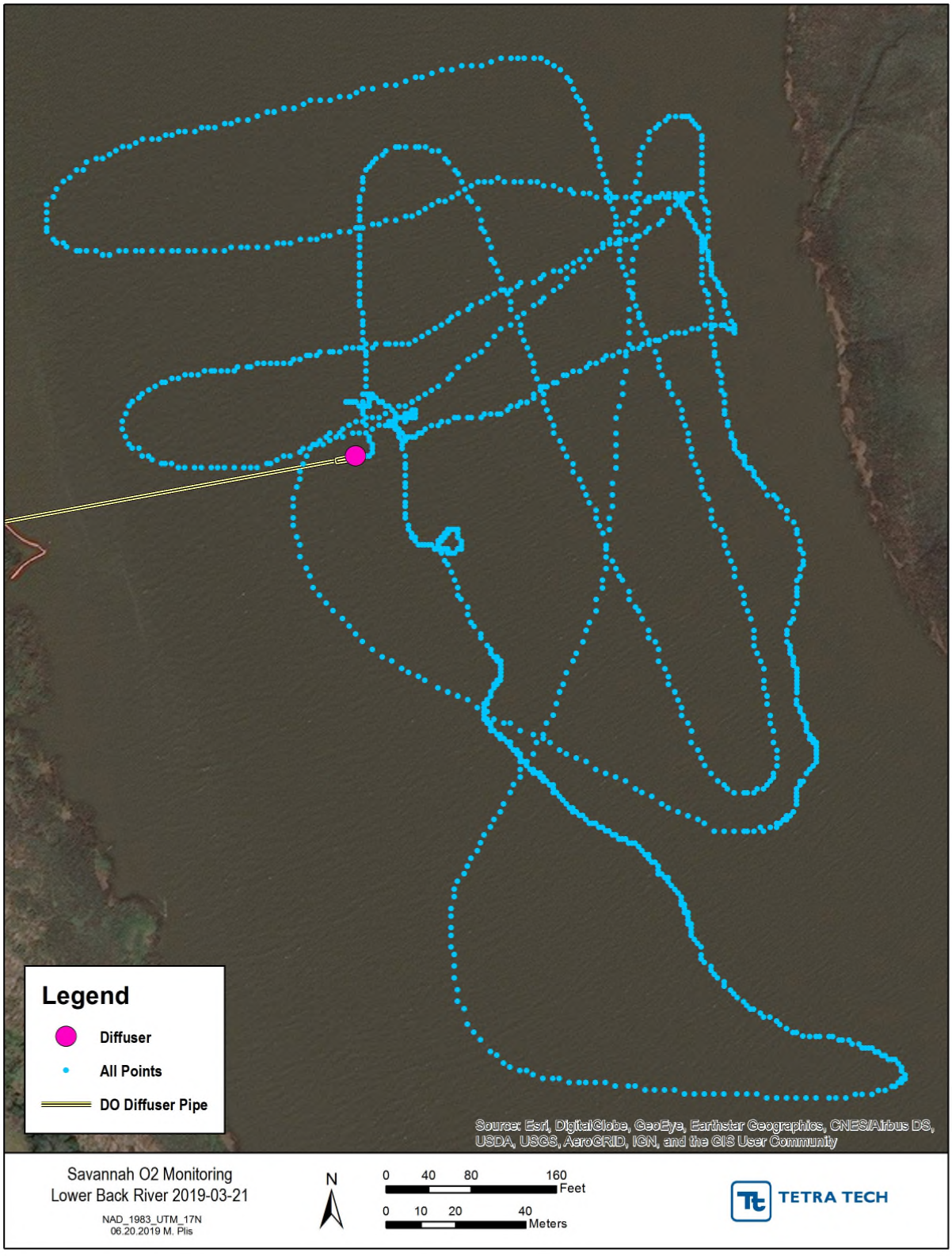


Figure C-63 Back River March 21, 2019 flood tide traveling profile period 2 location map (LBR_032119_009)

Figure C-64 Back River March 21, 2019 flood tide traveling profile period 2 observations (LBR_032119_009)

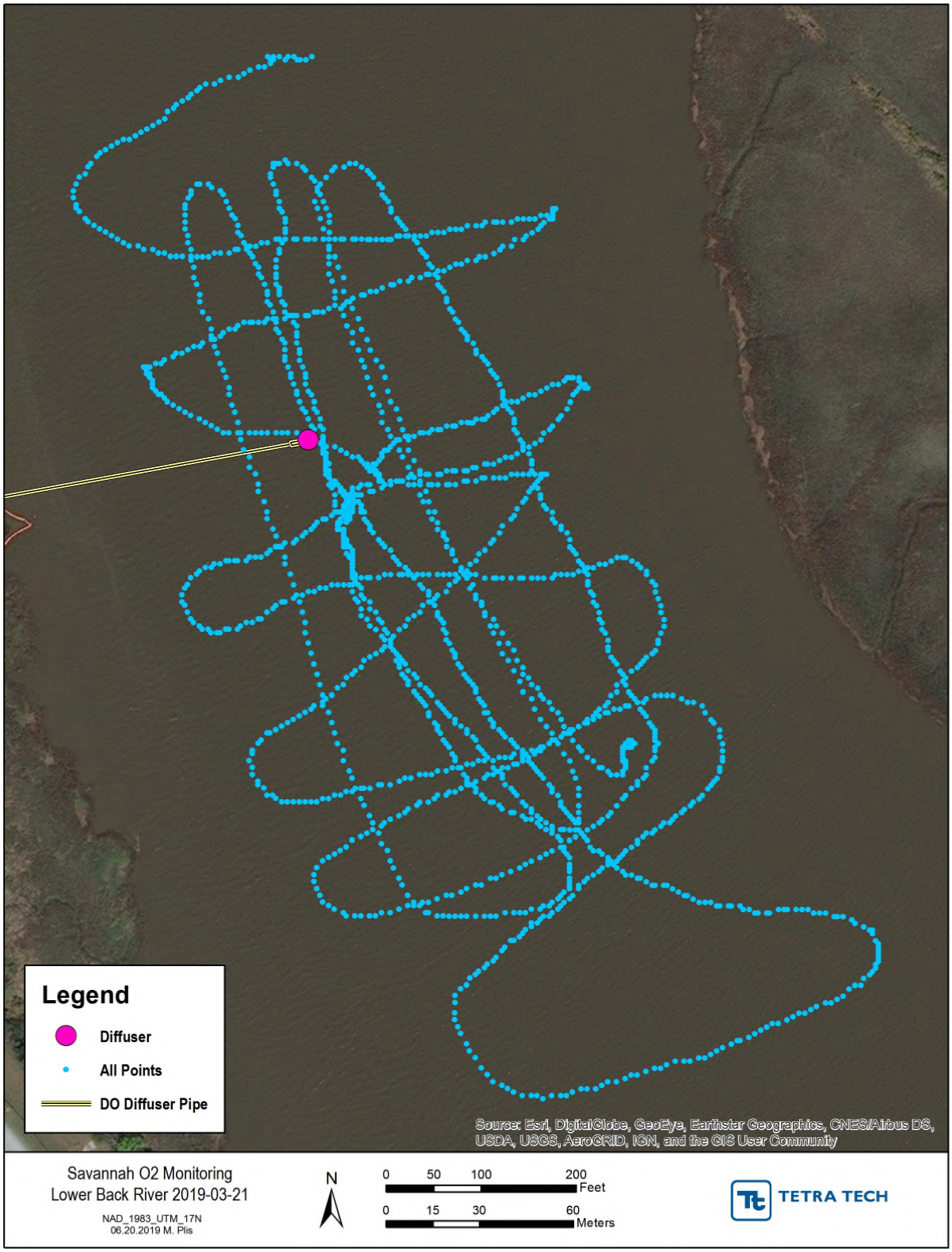


Figure C-65 Back River March 21, 2019 ebb tide traveling profile period 1 location map (LBR_032119_012)

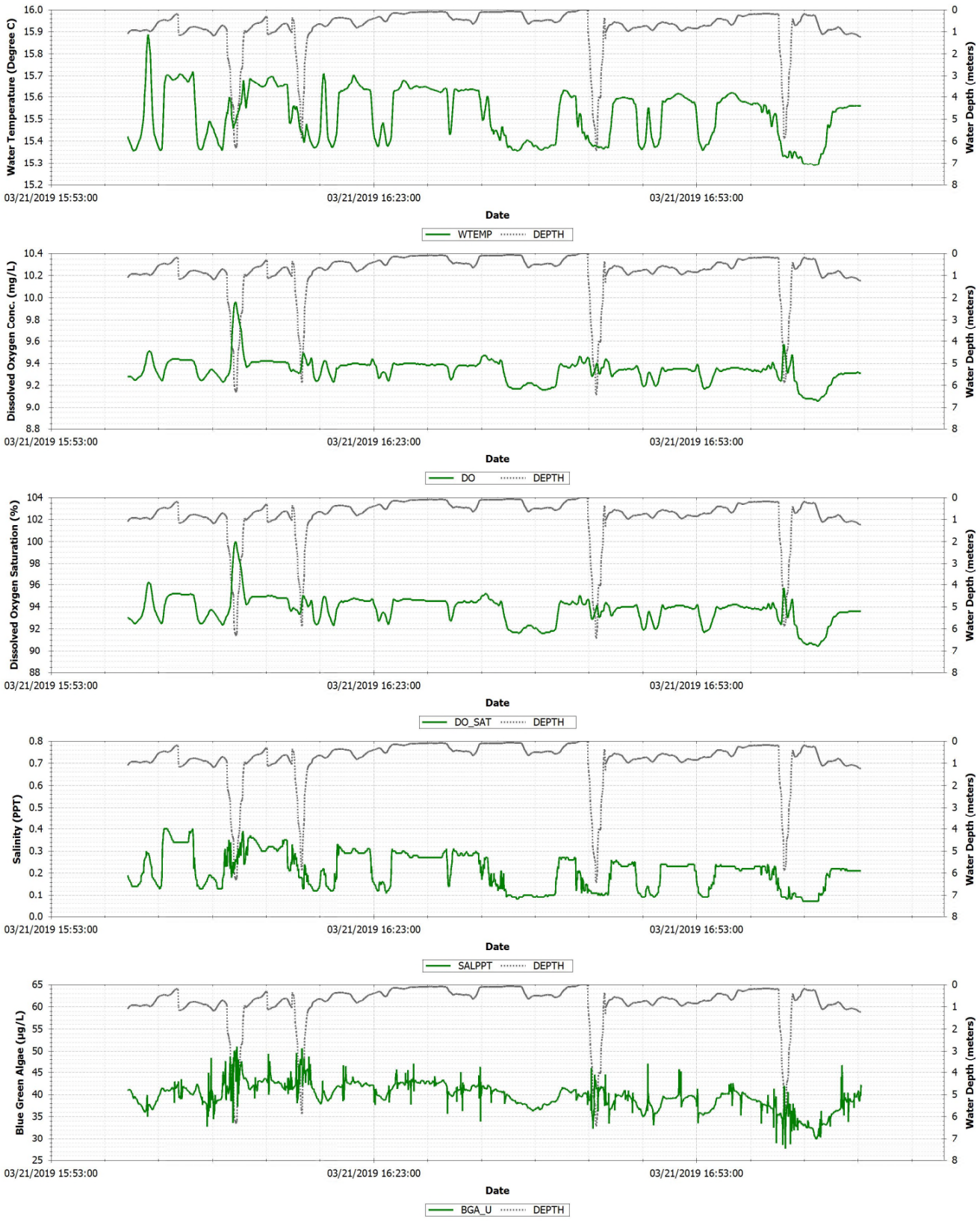


Figure C-66 Back River March 21, 2019 ebb tide traveling profile period 1 observations (LBR_032119_012)

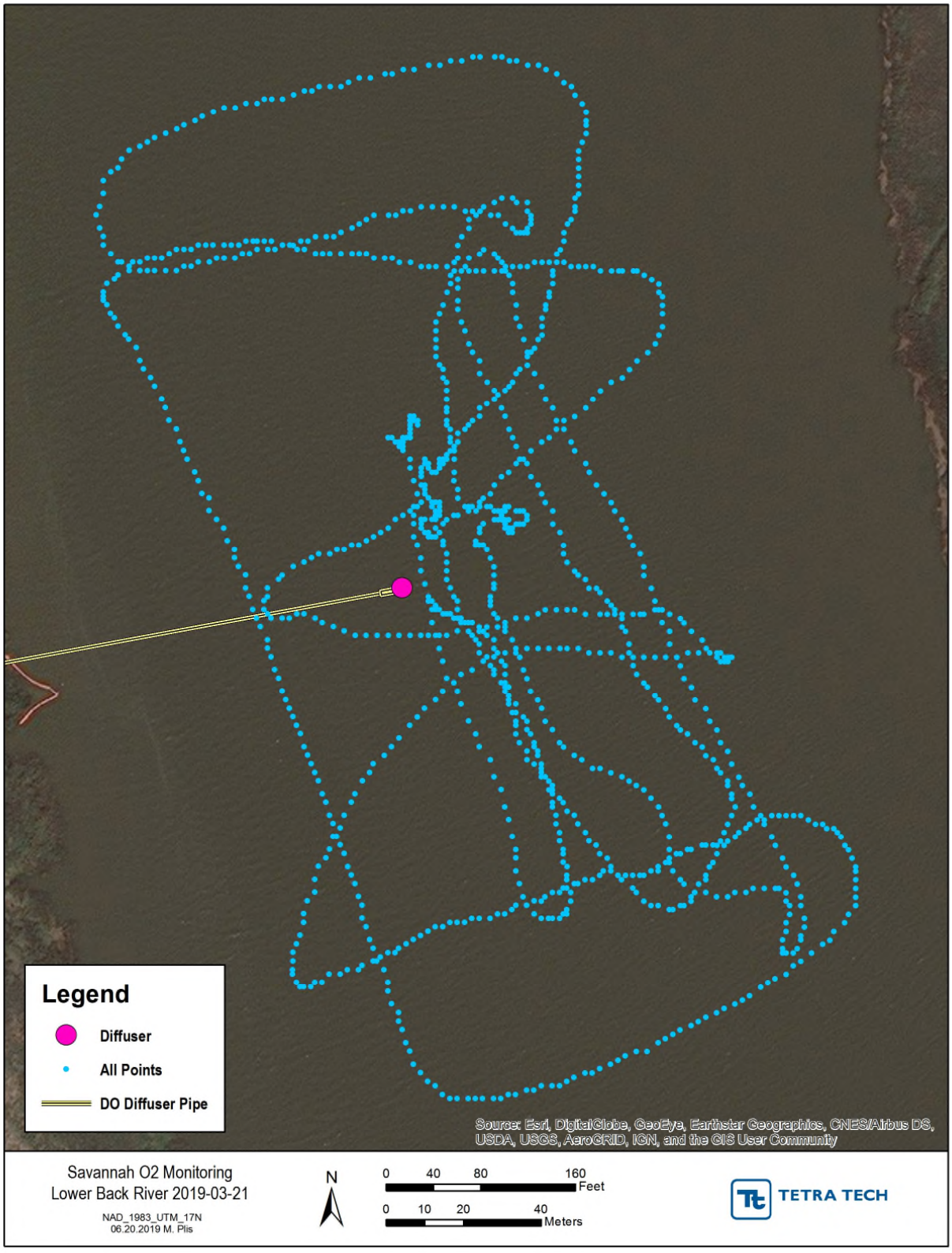


Figure C-67 Back River March 21, 2019 ebb tide traveling profile period 2 location map (LBR_032119_011)

Figure C-68 Back River March 21, 2019 ebb tide traveling profile period 2 observations (LBR_032119_011)

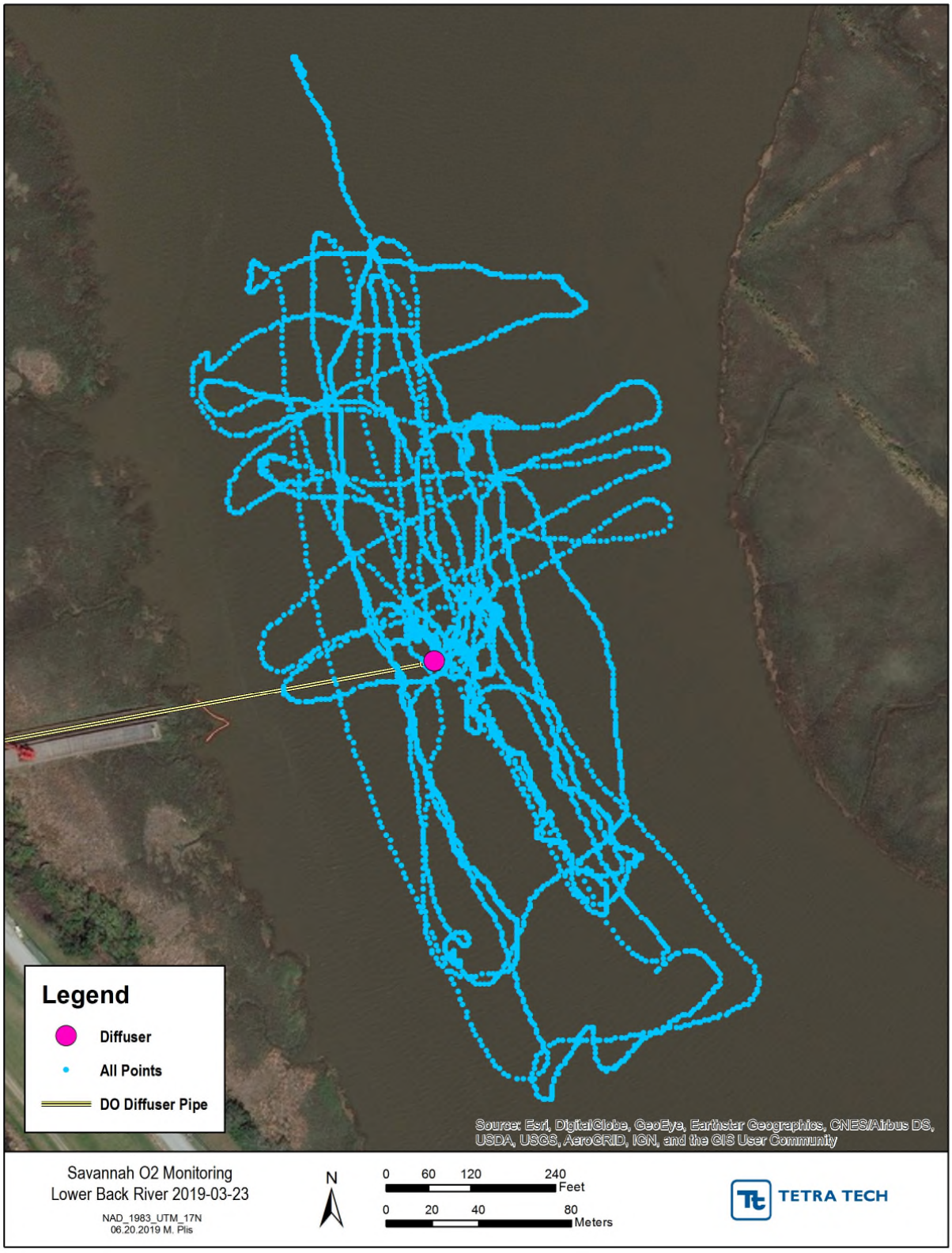


Figure C-69 Back River March 23, 2019 flood tide traveling profile location map (LBR_032319_001)

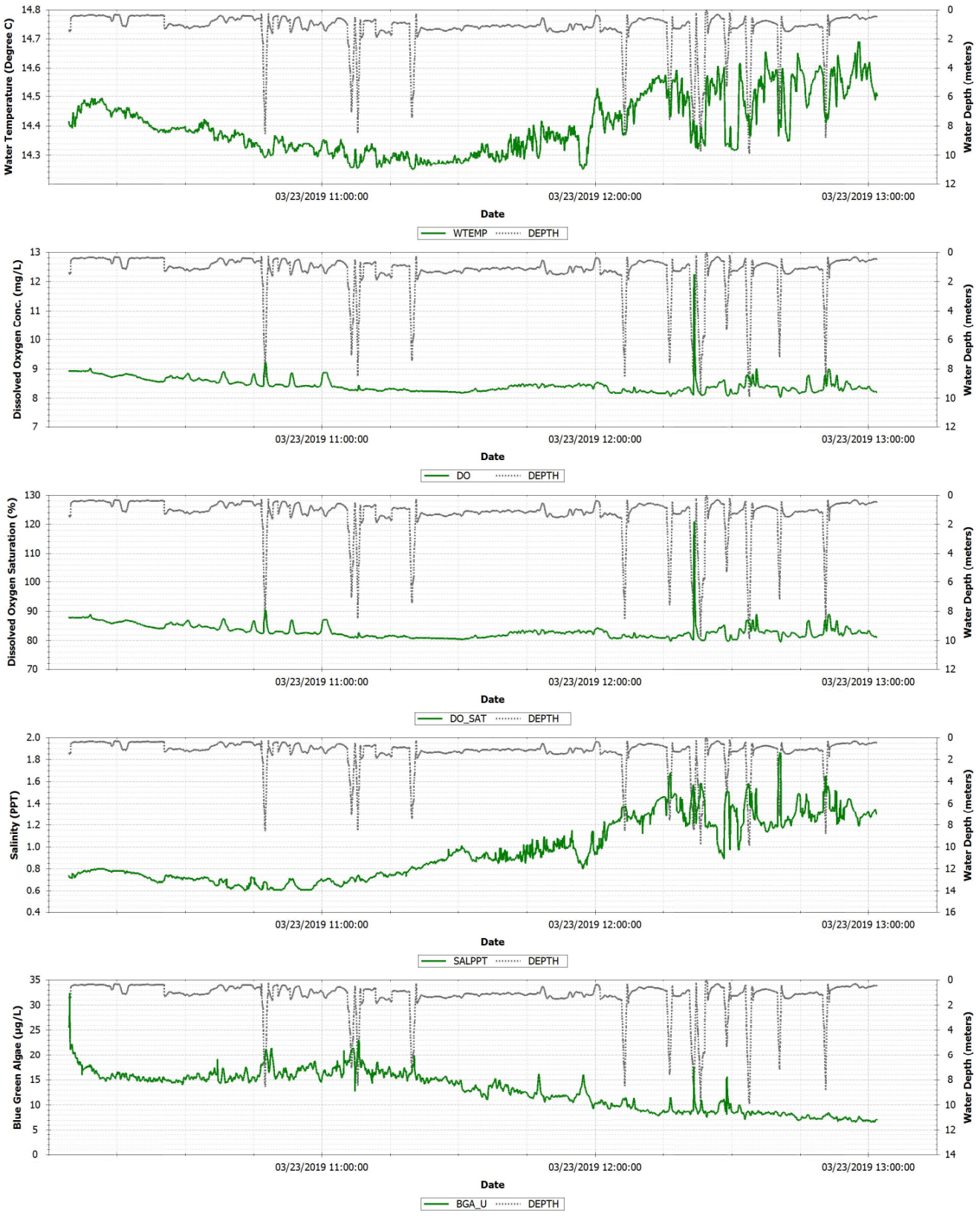


Figure C-70 Back River March 23, 2019 flood tide traveling profile observations (LBR_032319_001)

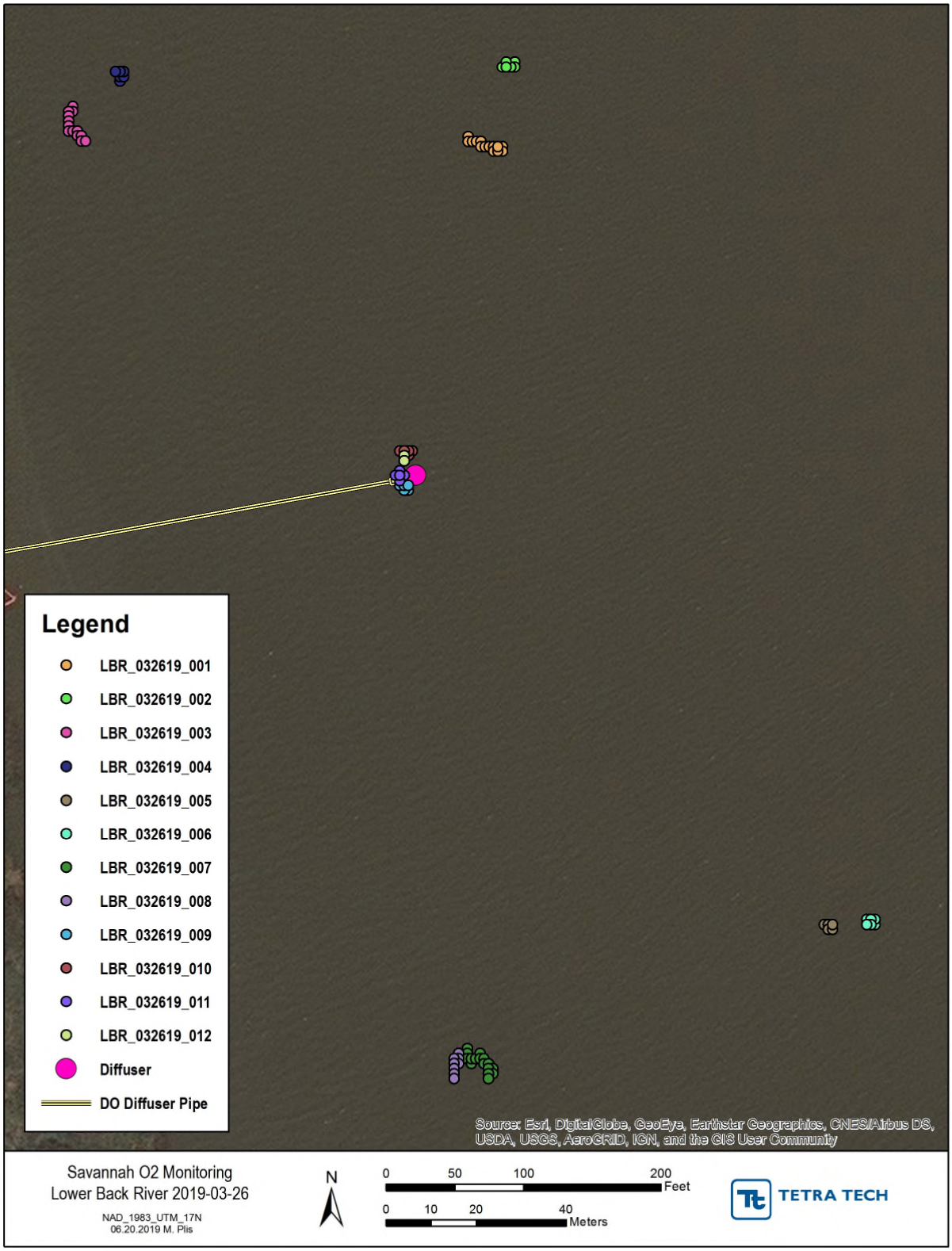


Figure C-71 Back River March 26, 2019 stationary profiles location map

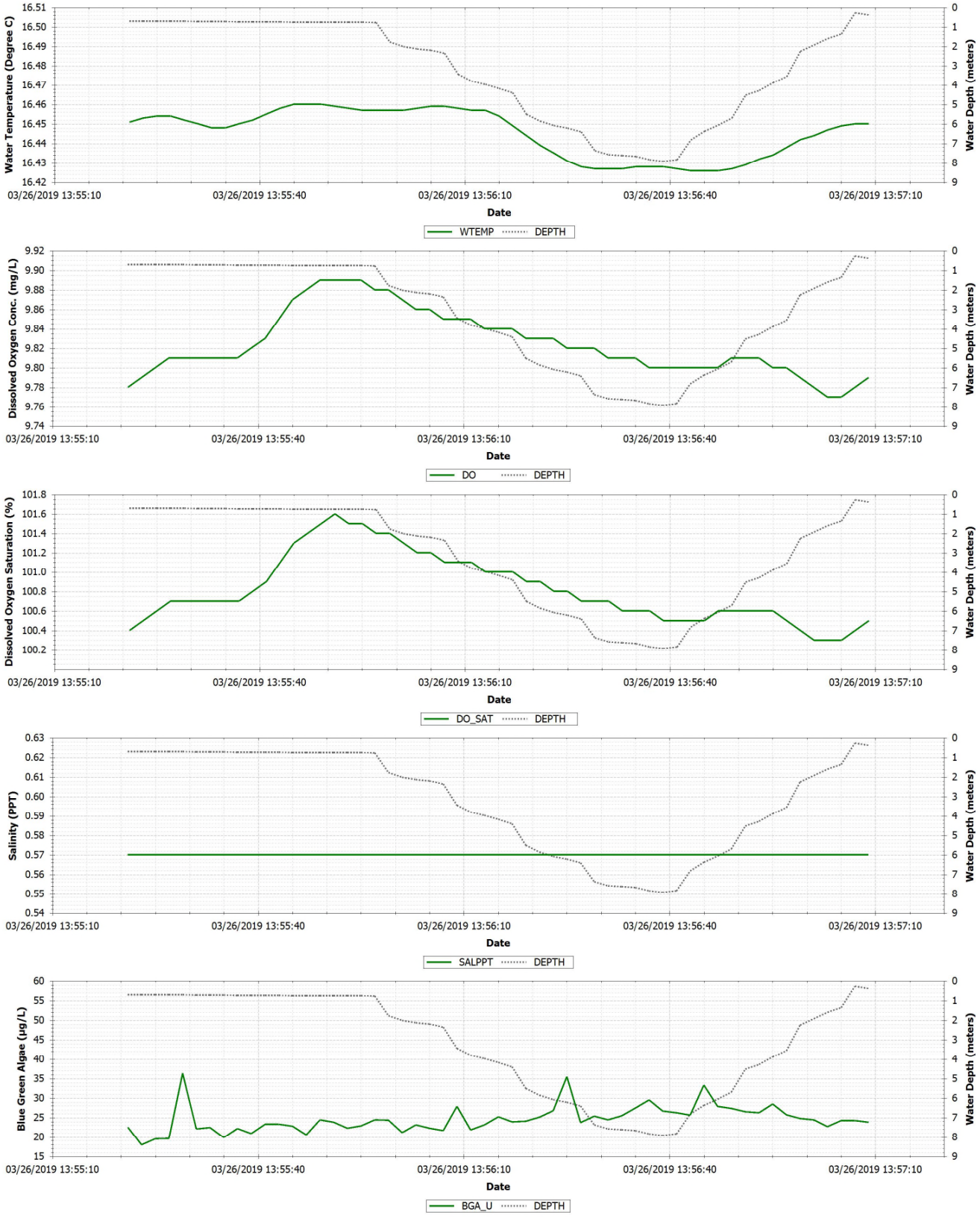


Figure C-72 Back River March 26, 2019 northeast buoy flood tide stationary profile observations (LBR_032619_001)

Figure C-73 Back River March 26, 2019 northeast buoy ebb tide stationary profile observations (LBR_032619_002)

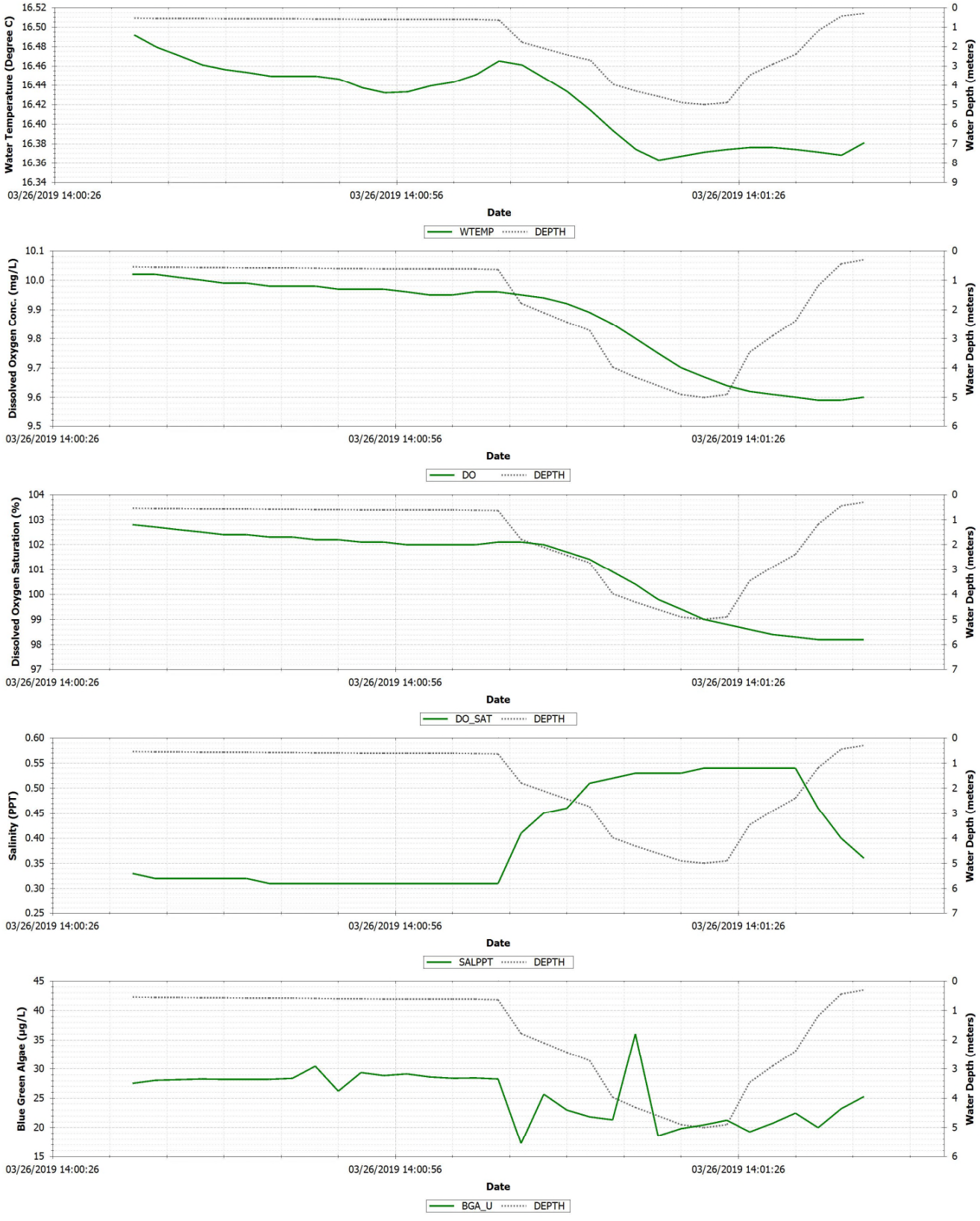


Figure C-74 Back River March 26, 2019 northwest buoy flood tide stationary profile observations (LBR_032619_003)

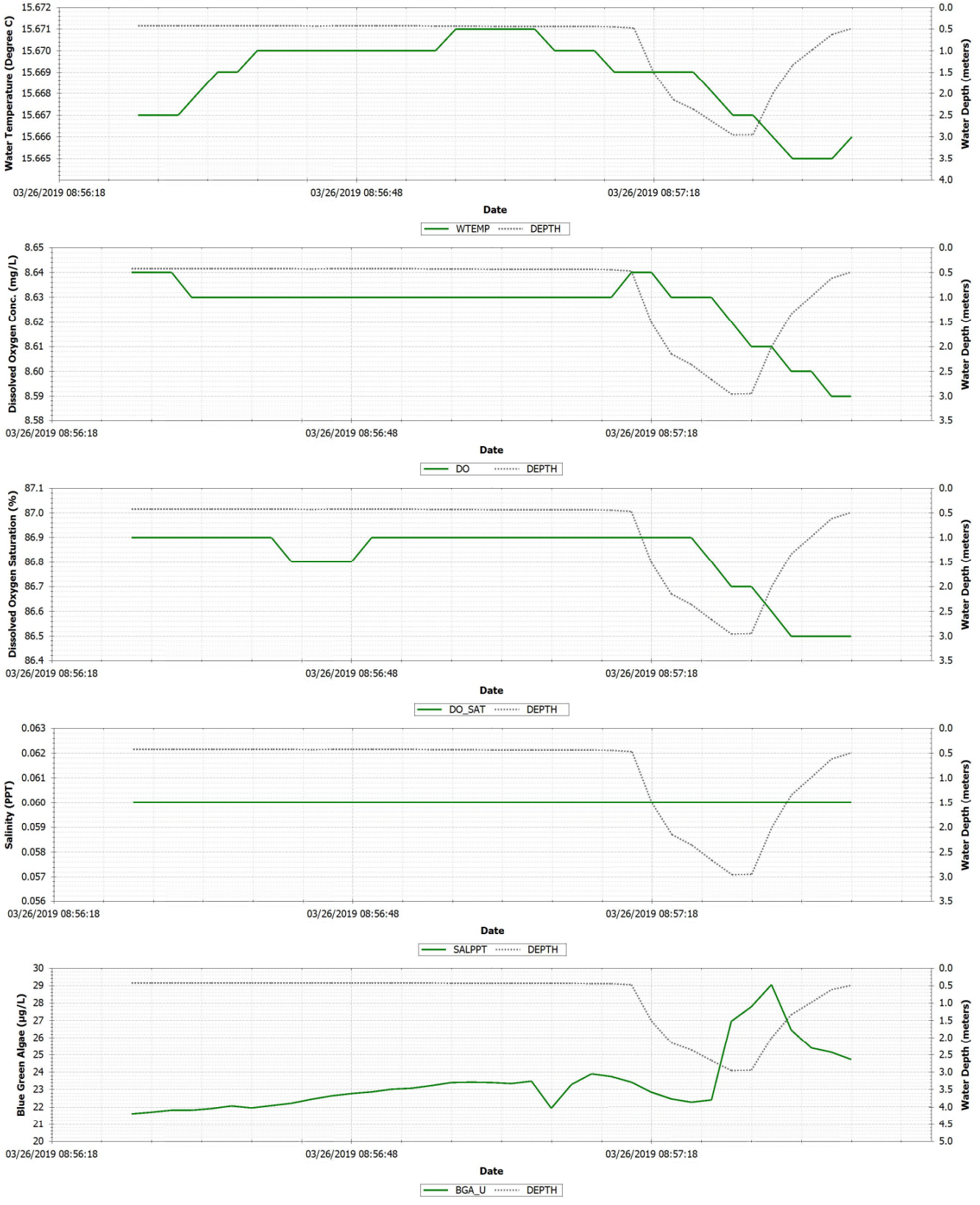


Figure C-75 Back River March 26, 2019 northwest buoy ebb tide stationary profile observations (LBR_032619_004)

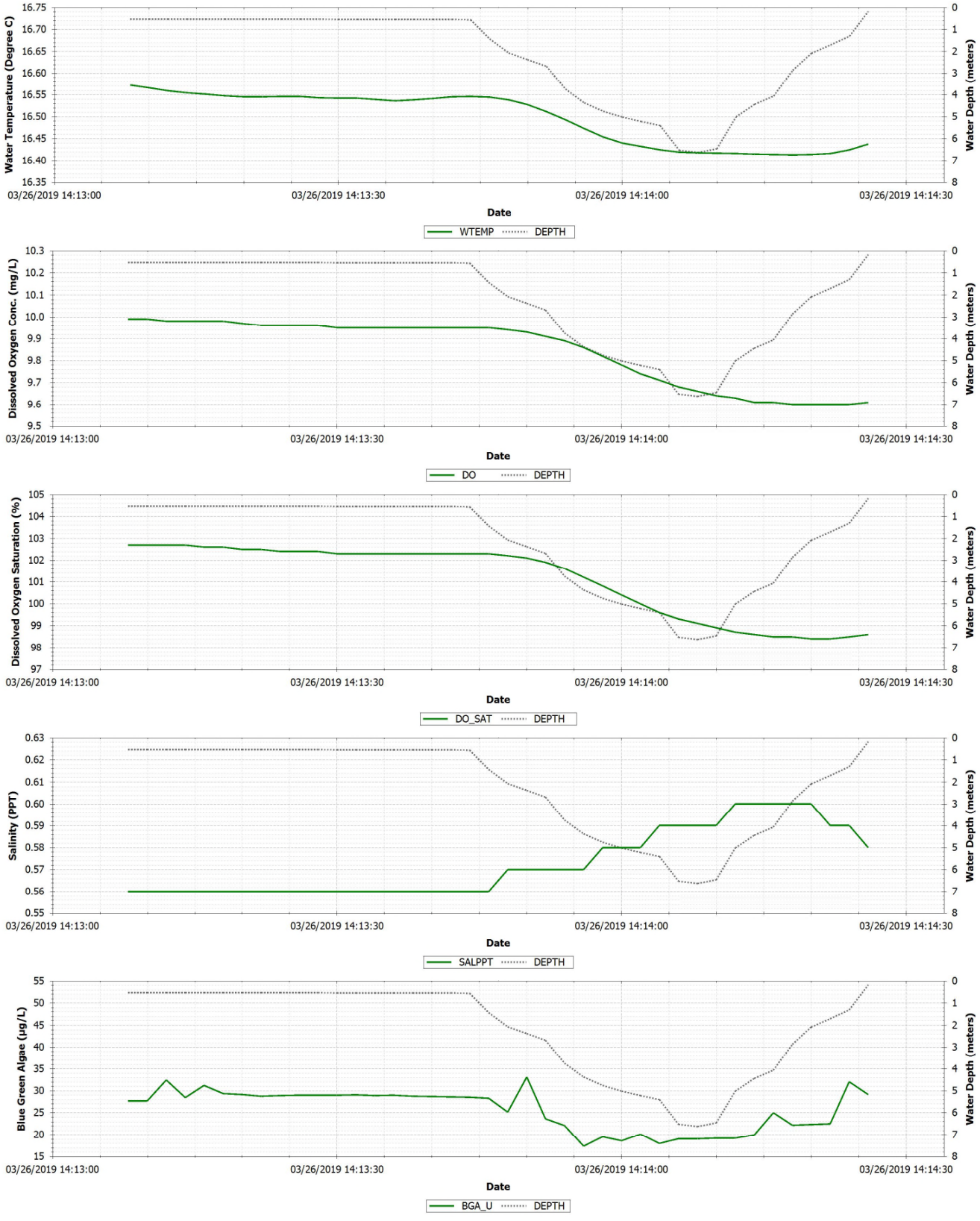


Figure C-76 Back River March 26, 2019 southeast buoy flood tide stationary profile observations (LBR_032619_005)

Figure C-77 Back River March 26, 2019 southeast buoy ebb tide stationary profile observations (LBR_032619_006)

Figure C-78 Back River March 26, 2019 southwest buoy flood tide stationary profile observations (LBR_032619_007)

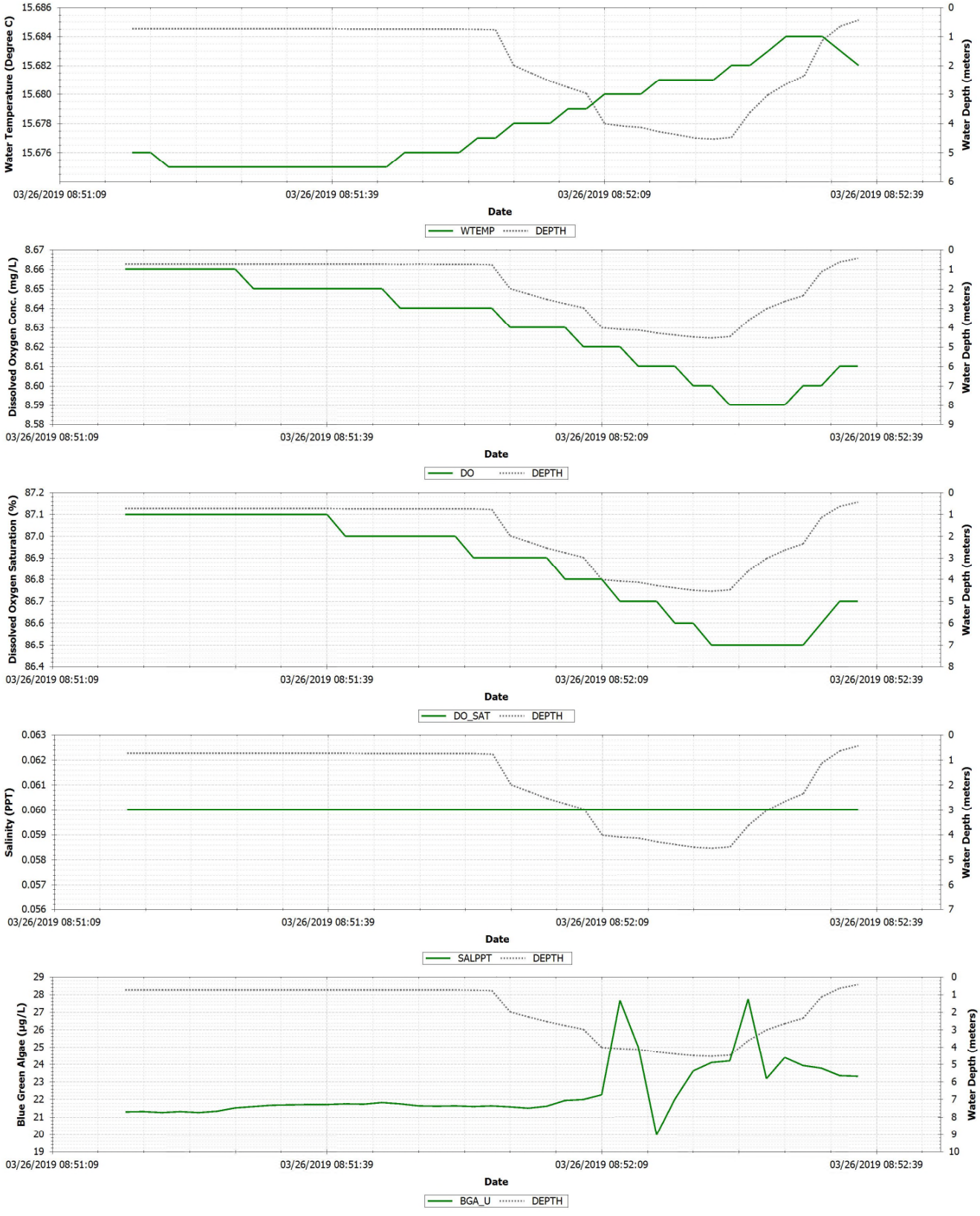


Figure C-79 Back River March 26, 2019 southwest buoy ebb tide stationary profile observations (LBR_032619_008)

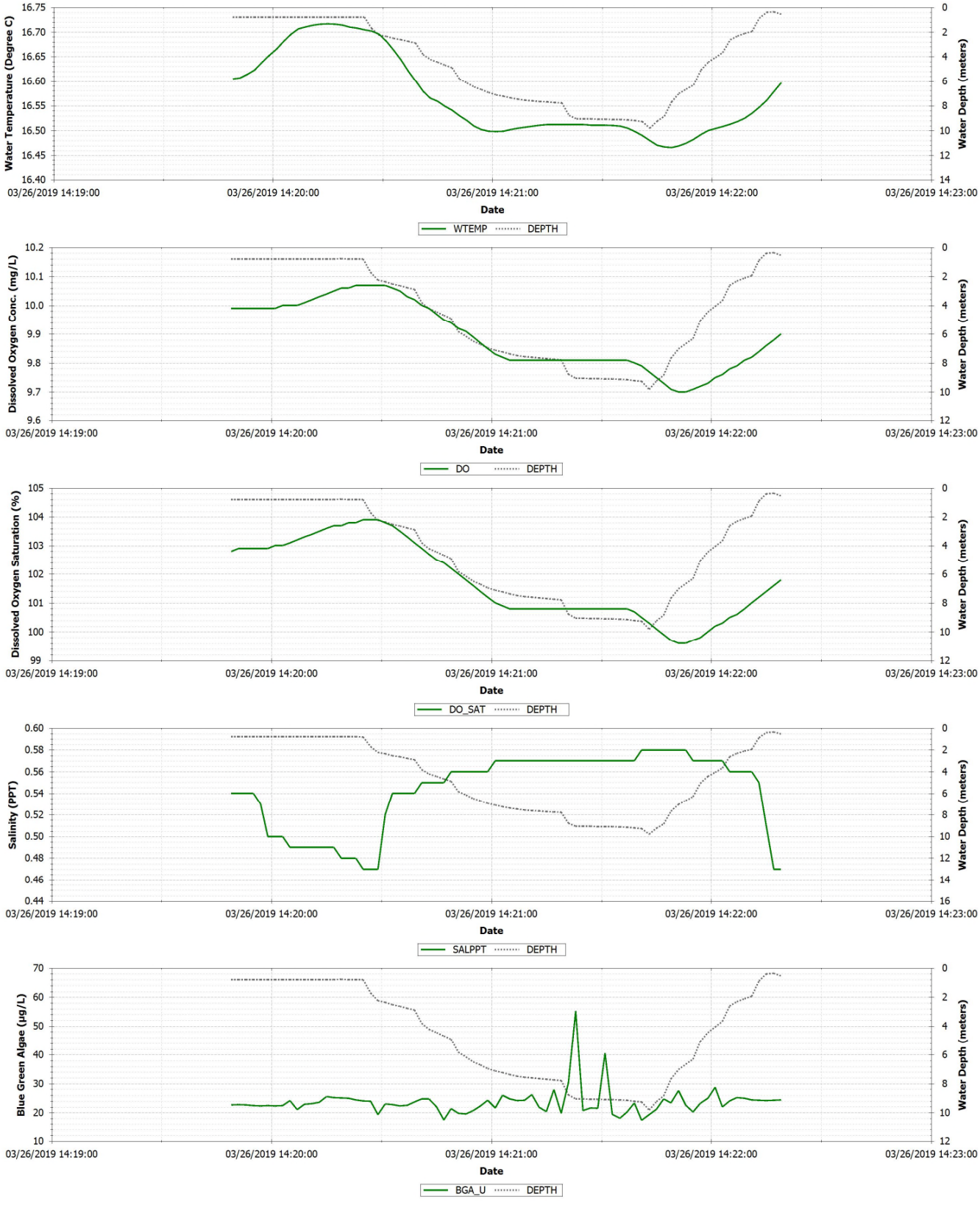


Figure C-80 Back River March 26, 2019 east platform flood tide stationary profile observations (LBR_032619_009)

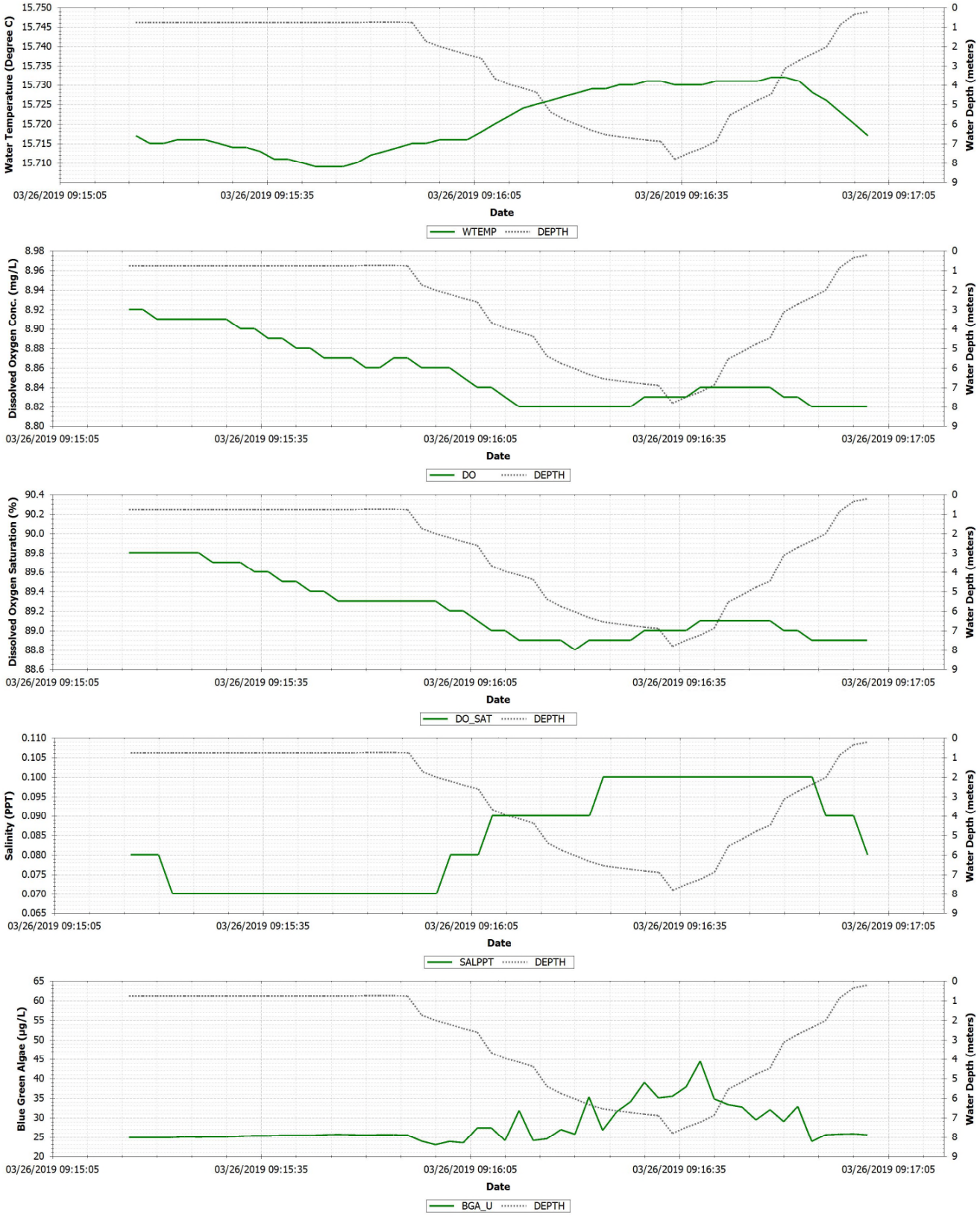


Figure C-81 Back River March 26, 2019 east platform ebb tide stationary profile observations (LBR_032619_010)

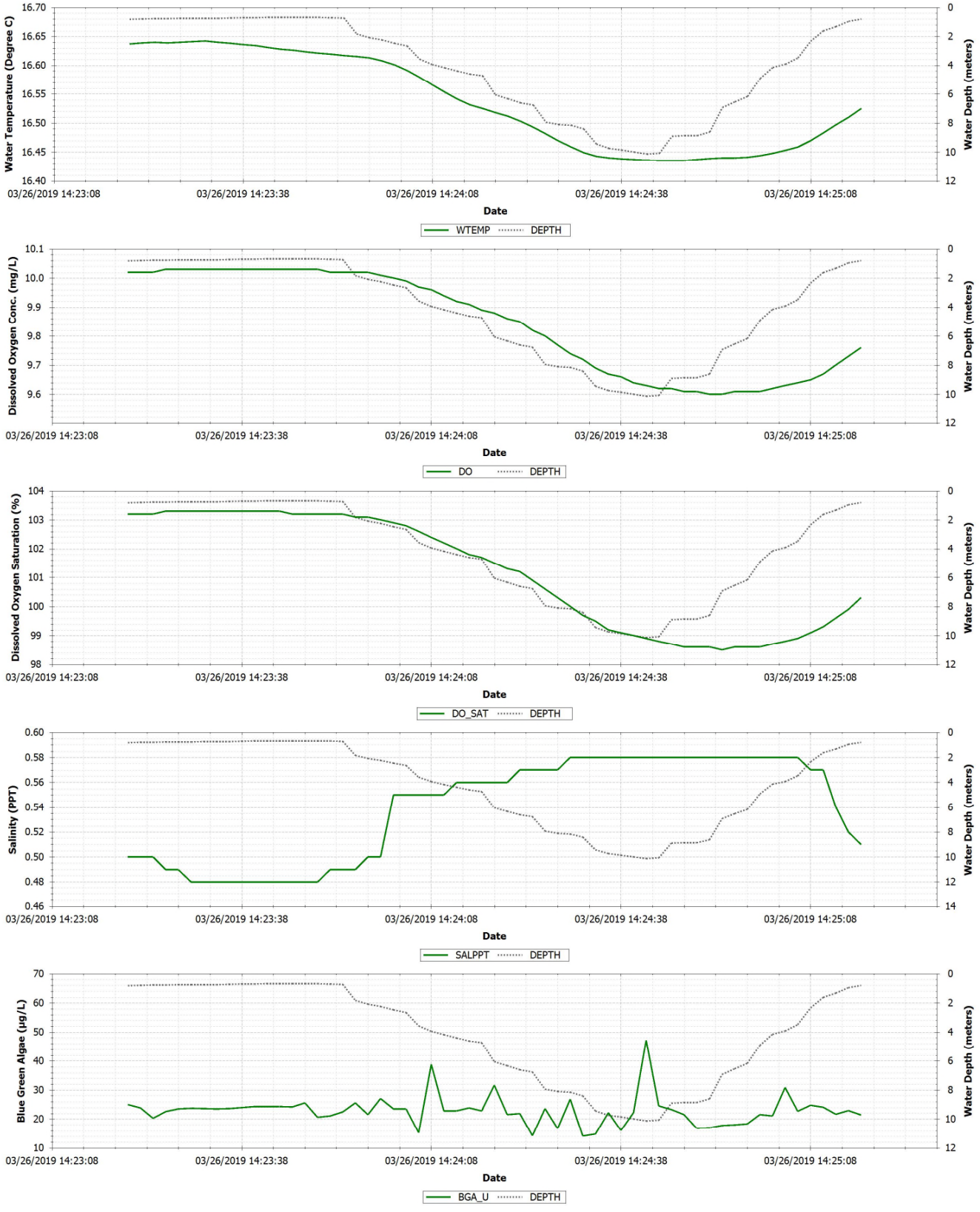


Figure C-82 Back River March 26, 2019 west platform flood tide stationary profile observations (LBR_032619_011)

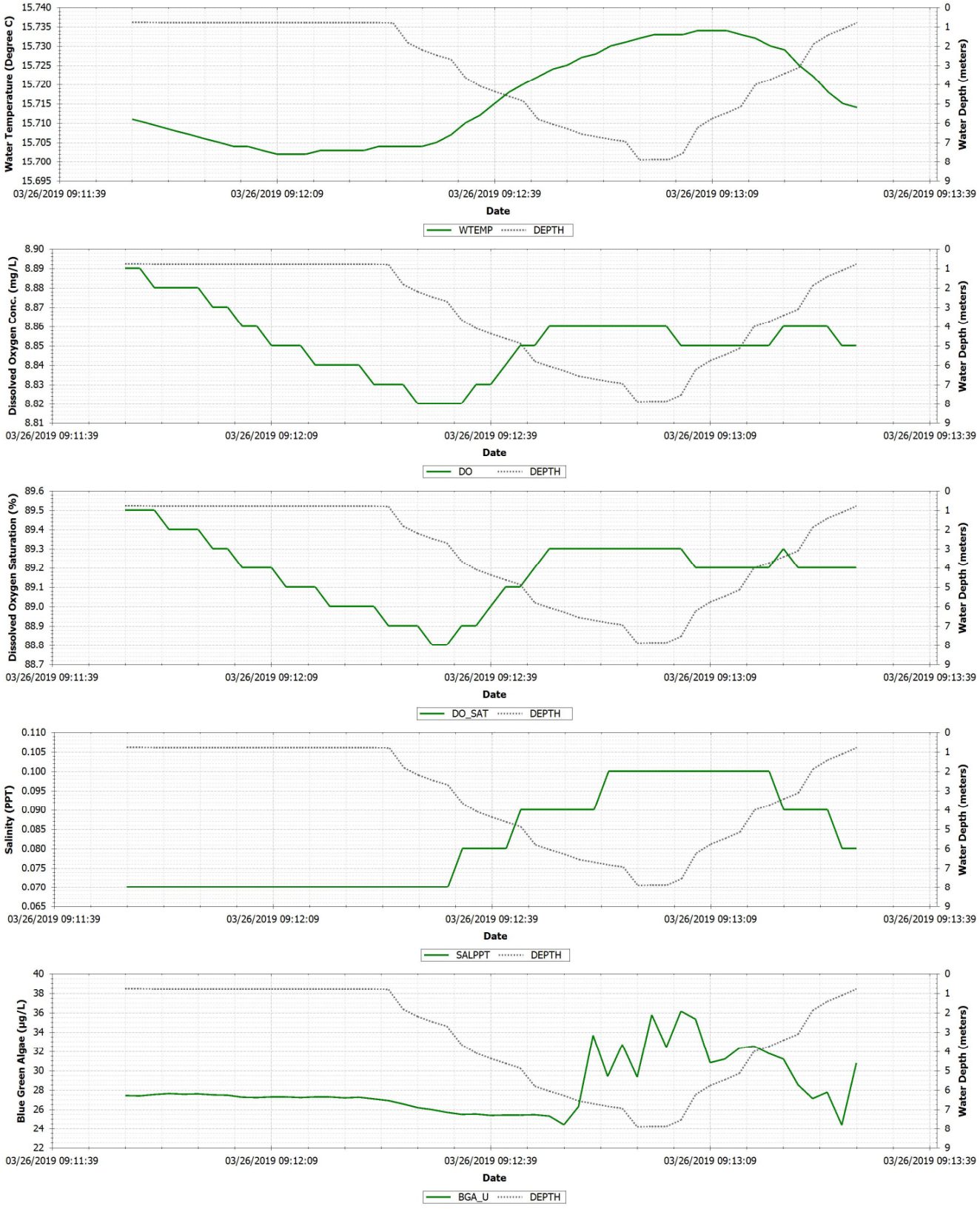


Figure C-83 Back River March 26, 2019 west platform ebb tide stationary profile observations (LBR_032619_012)

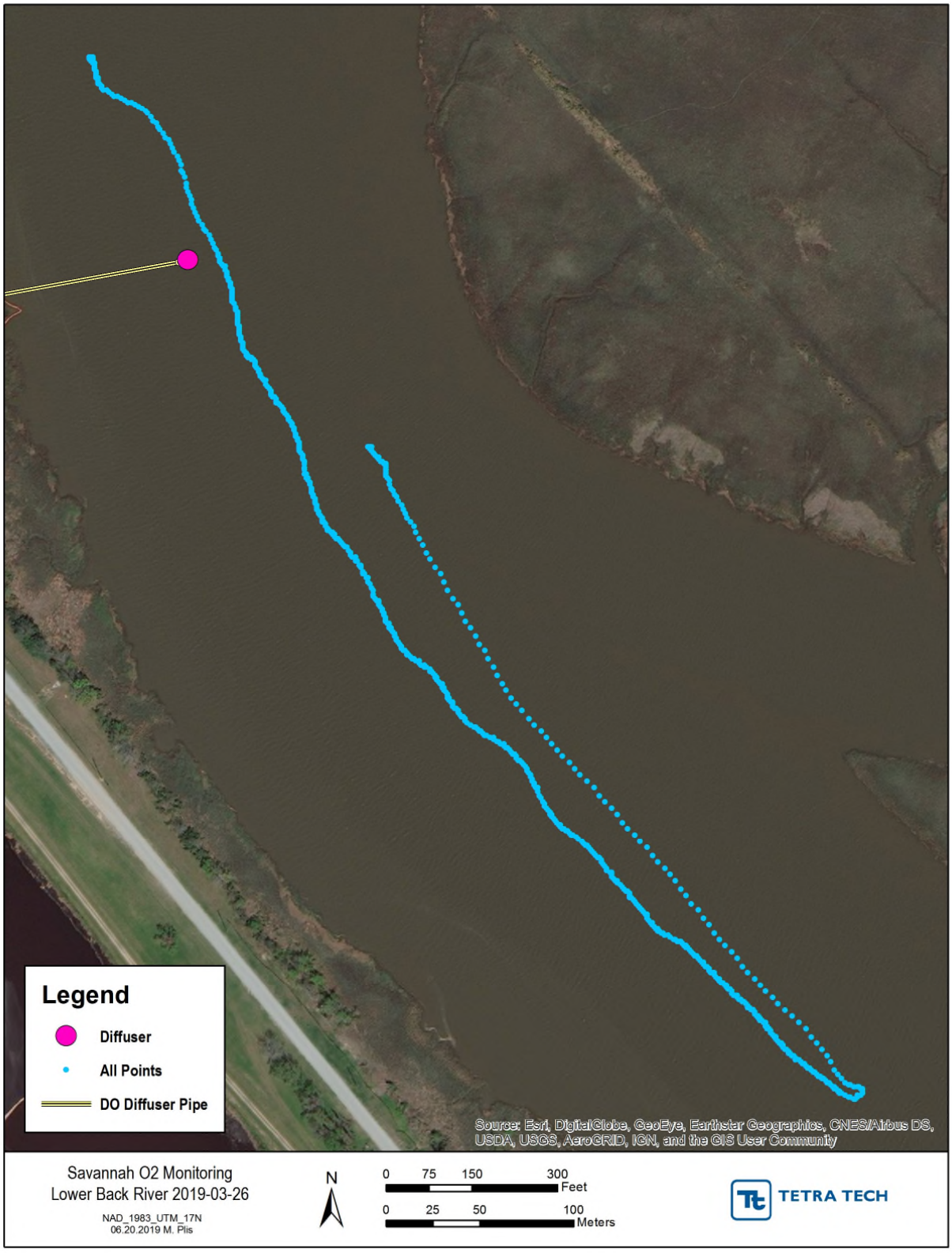


Figure C-84 Back River March 26, 2019 ebb tide traveling profile period 1 location map (LBR_032619_016)

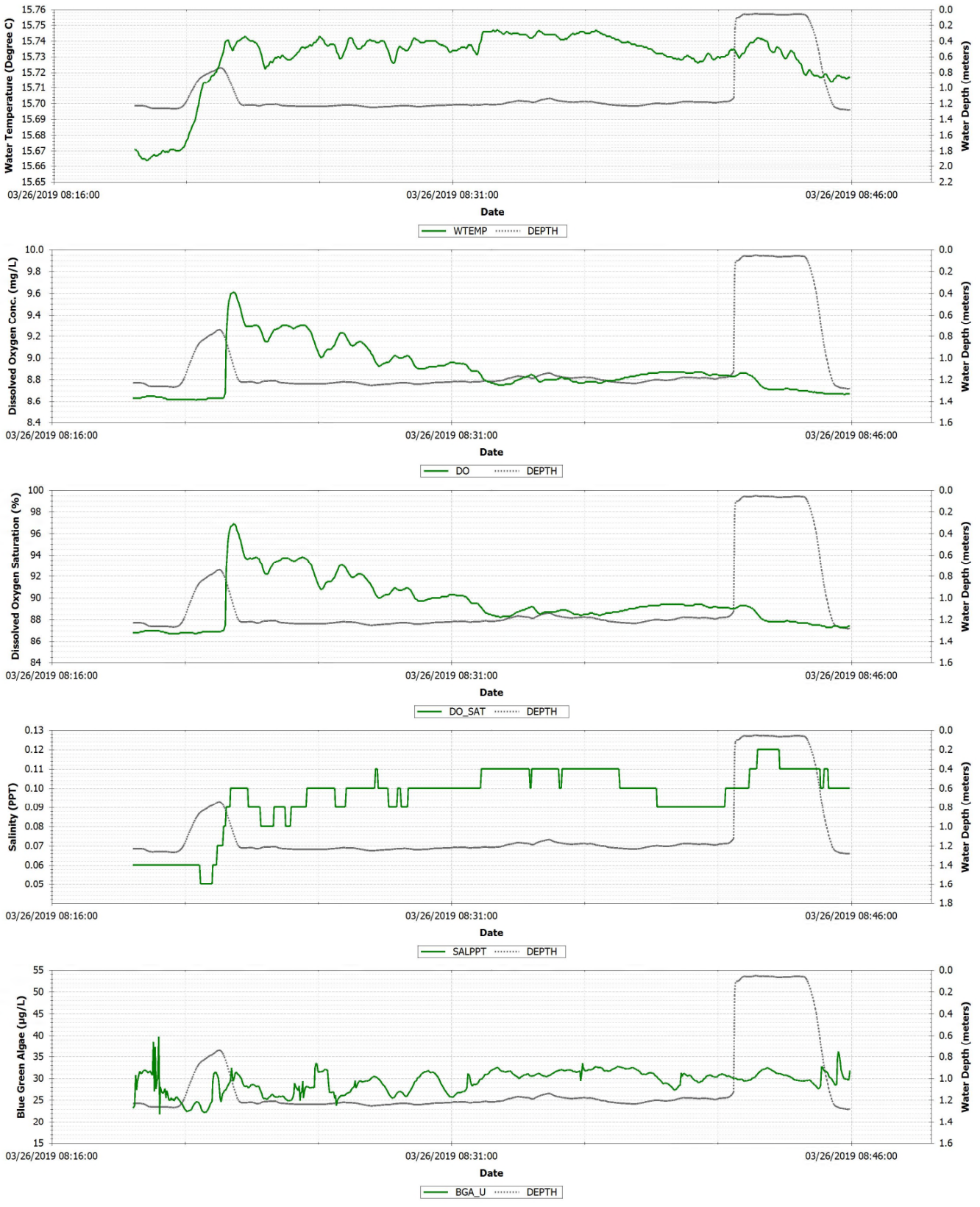


Figure C-85 Back River March 26, 2019 ebb tide traveling profile period 1 observations (LBR_032619_016)

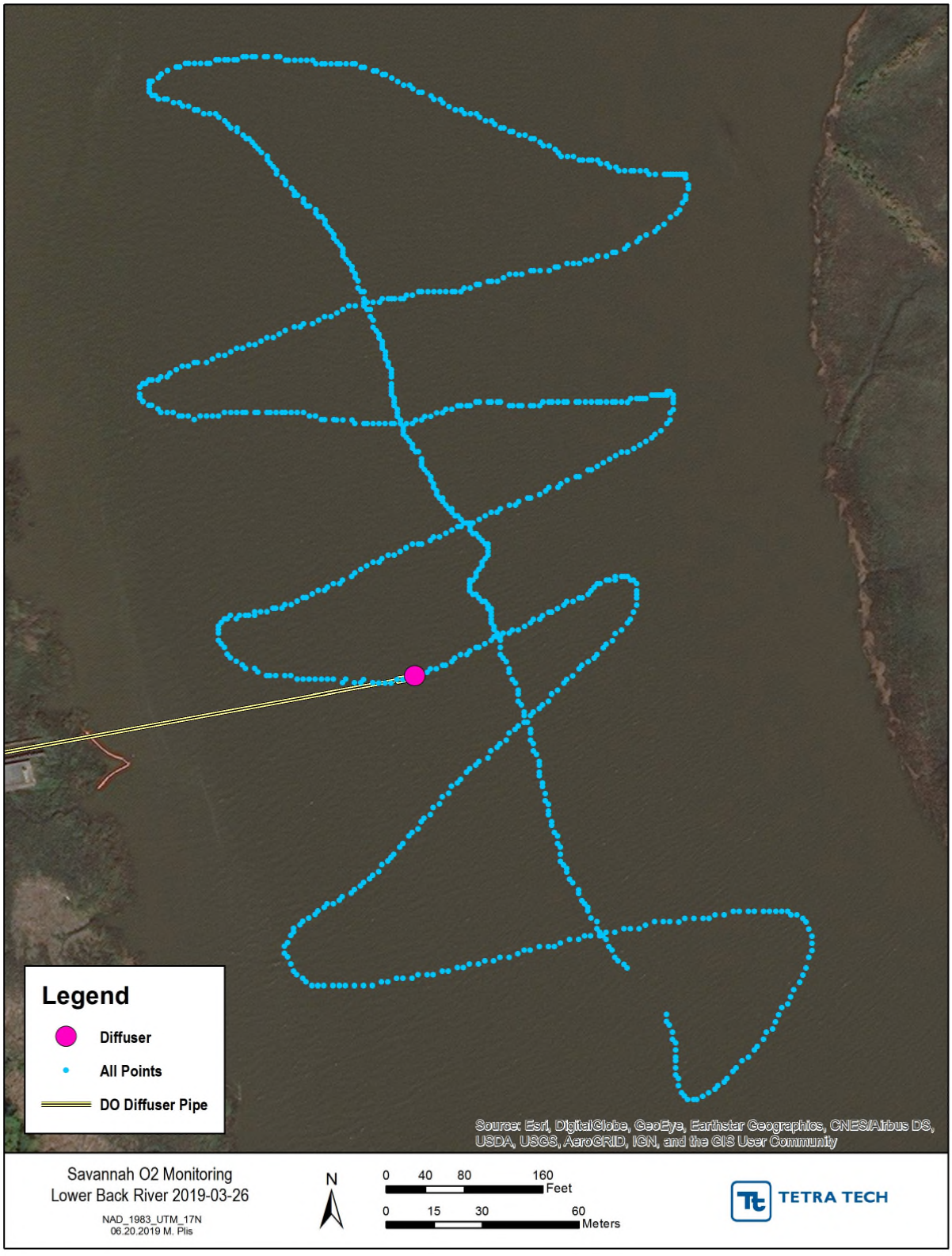


Figure C-86 Back River March 26, 2019 ebb tide traveling profile period 2 location map (LBR_032619_015)

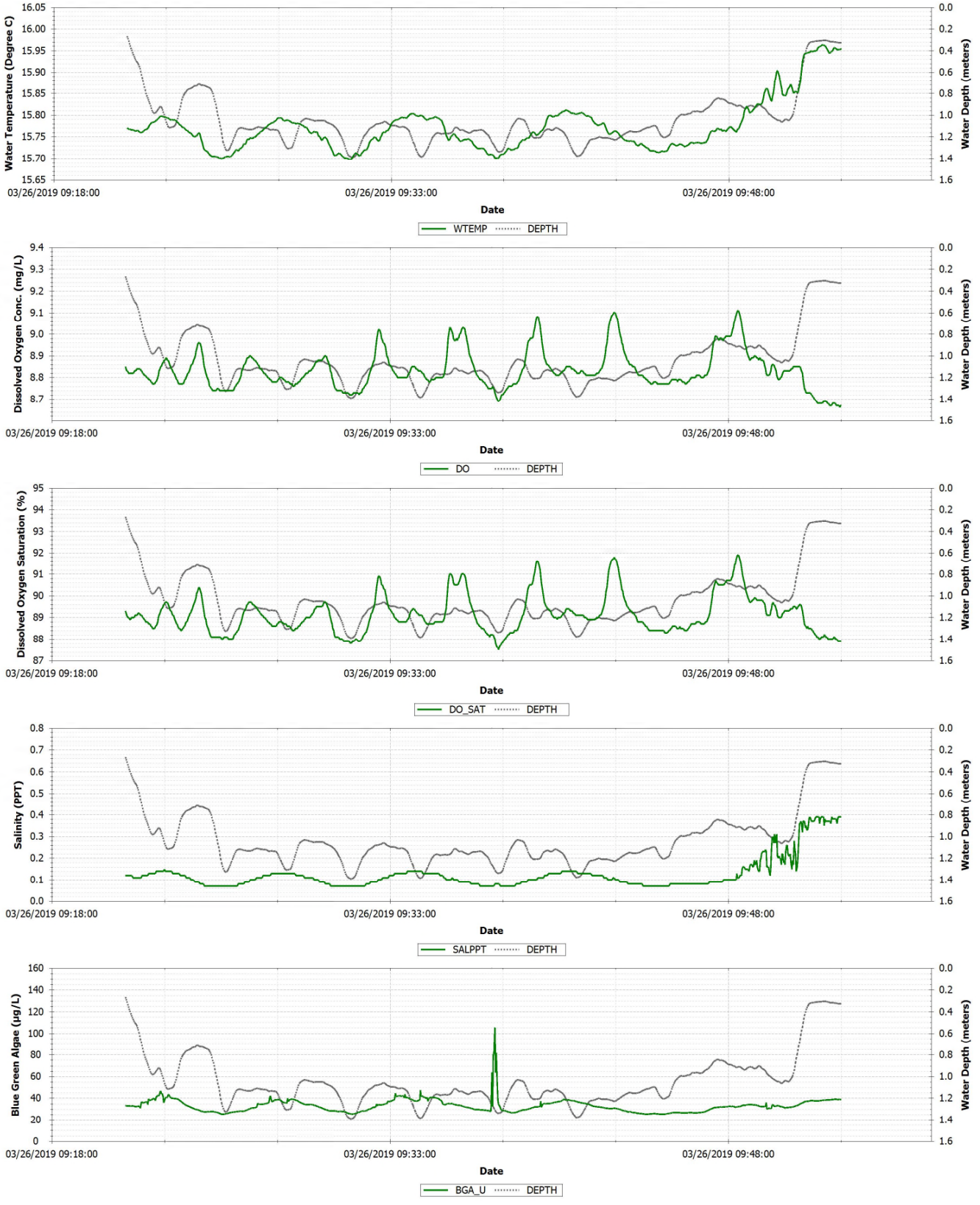


Figure C-87 Back River March 26, 2019 ebb tide traveling profile period 2 observations (LBR_032619_015)

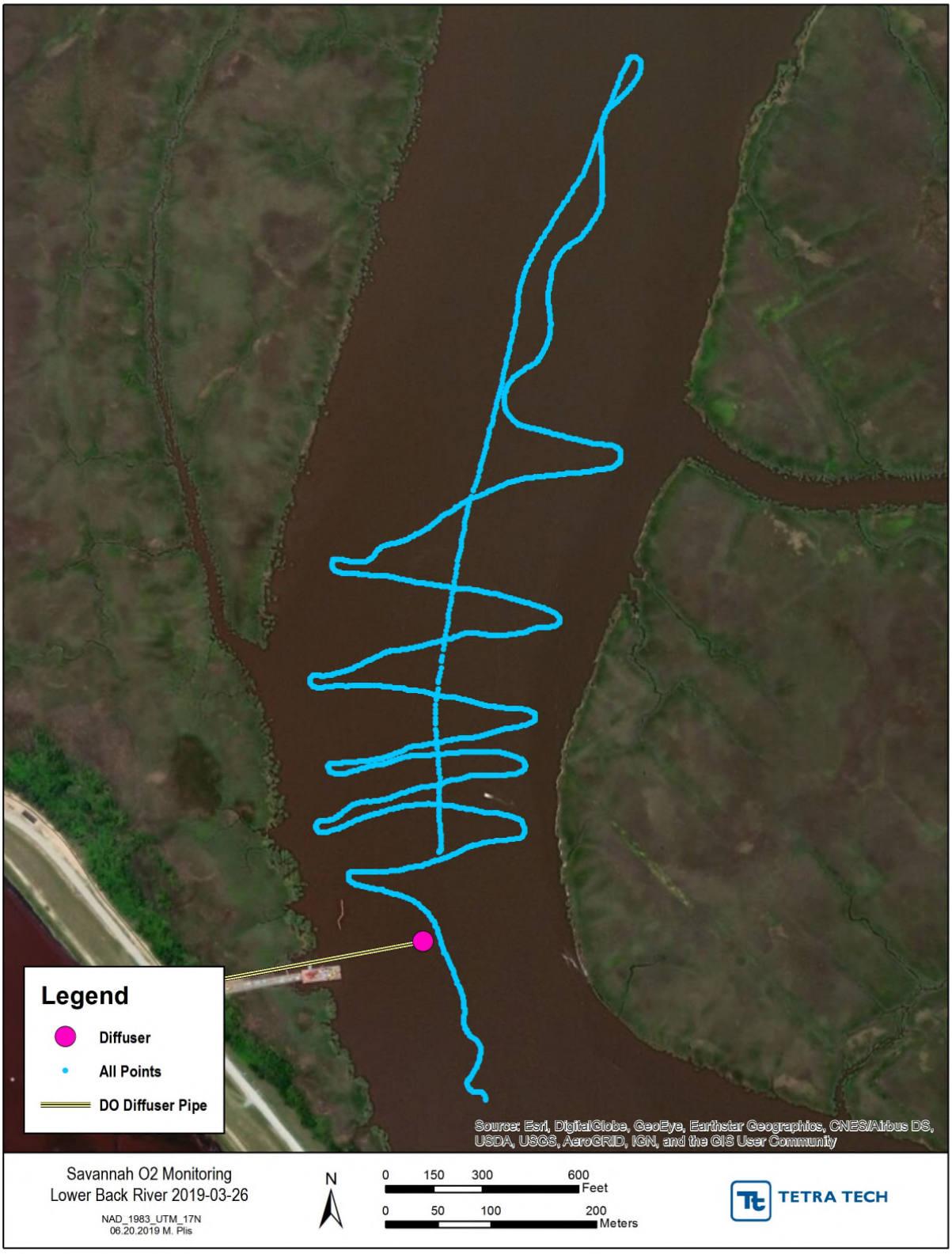


Figure C-88 Back River March 26, 2019 flood tide traveling profile period 1 location map (LBR_032619_014)

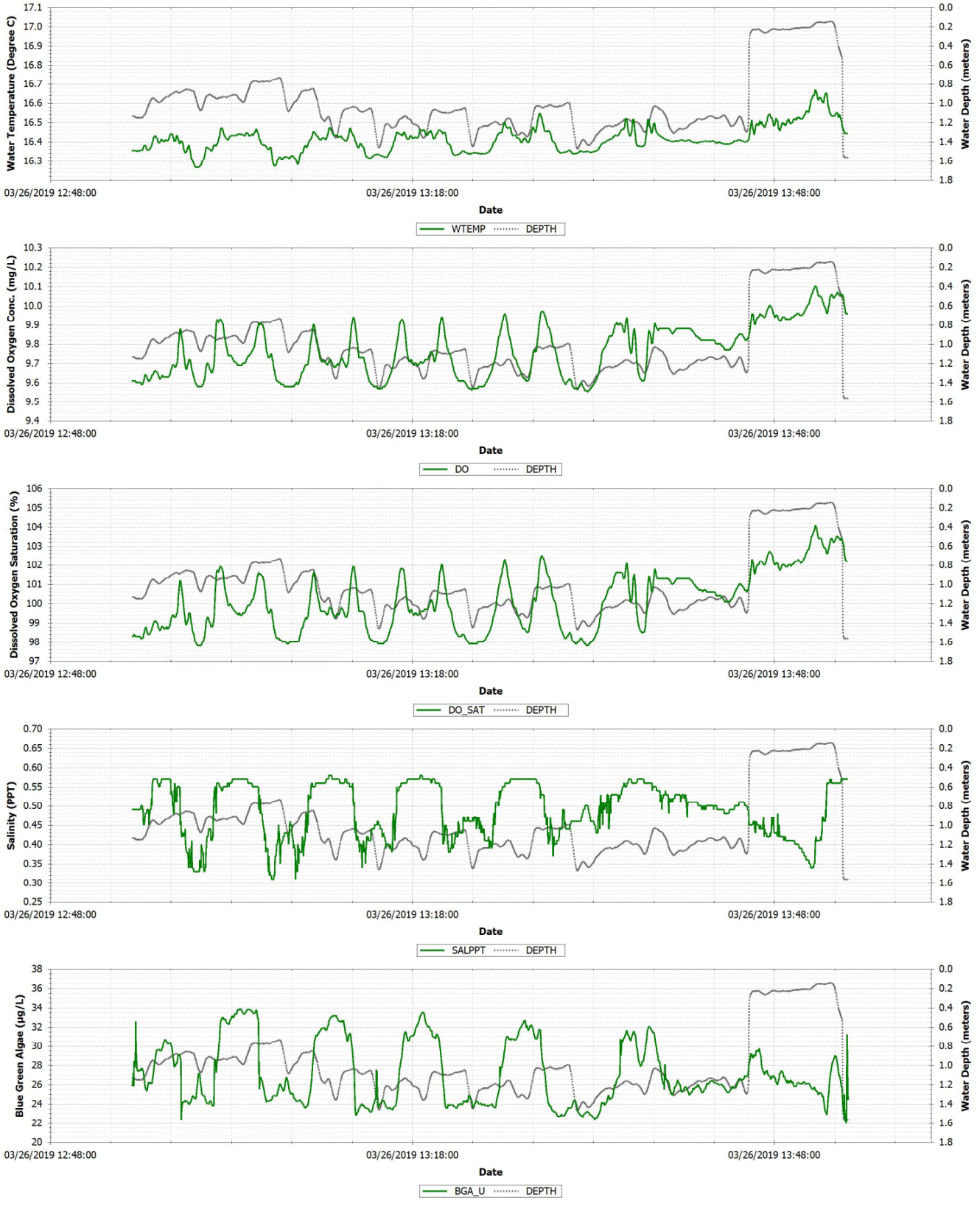


Figure C-89 Back River March 26, 2019 flood tide traveling profile period 1 observations (LBR_032619_014)

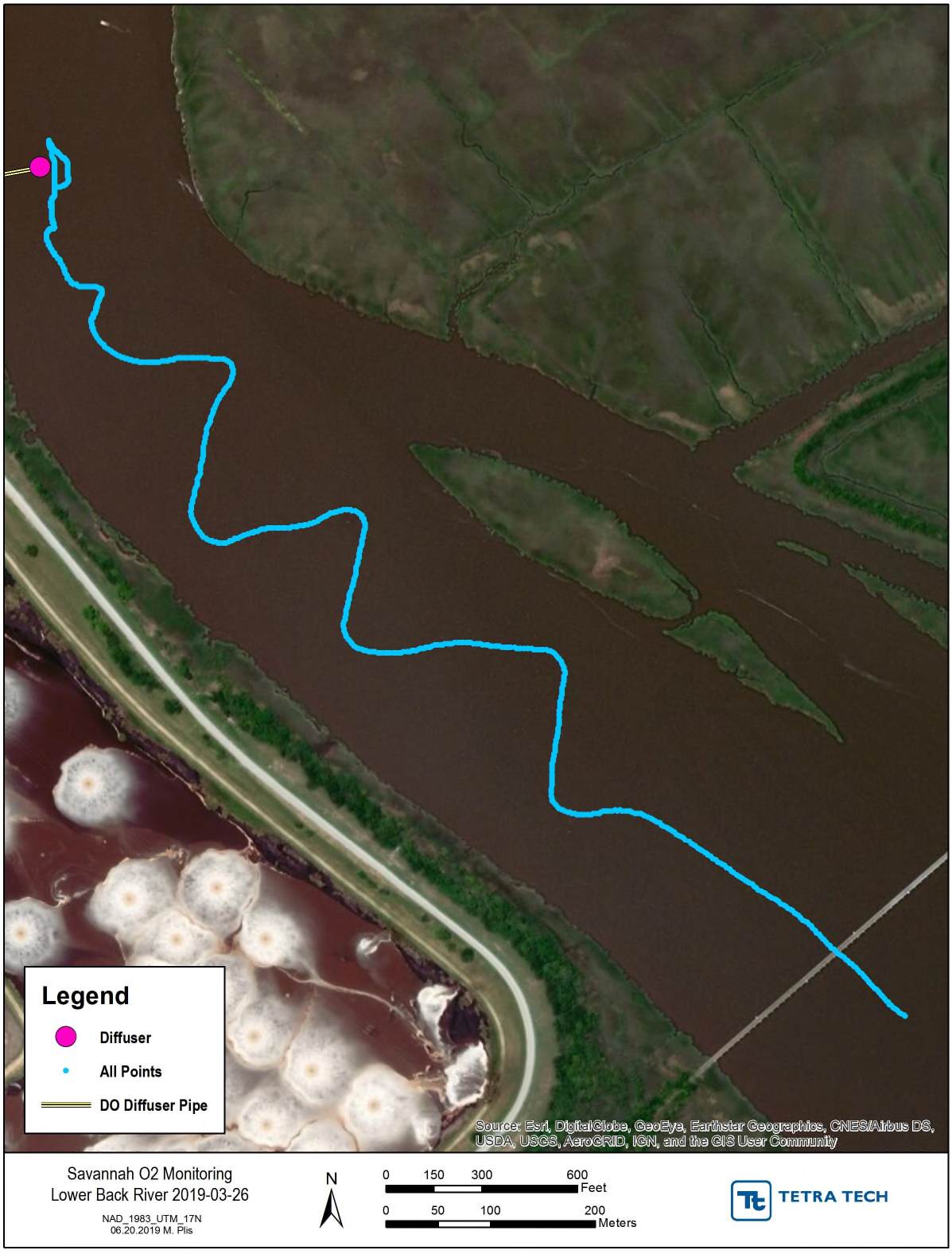


Figure C-90 Back River March 26, 2019 flood tide traveling profile period 2 location map (LBR_032619_013)

Figure C-91 Back River March 26, 2019 flood tide traveling profile period 2 observations (LBR_032619_013)

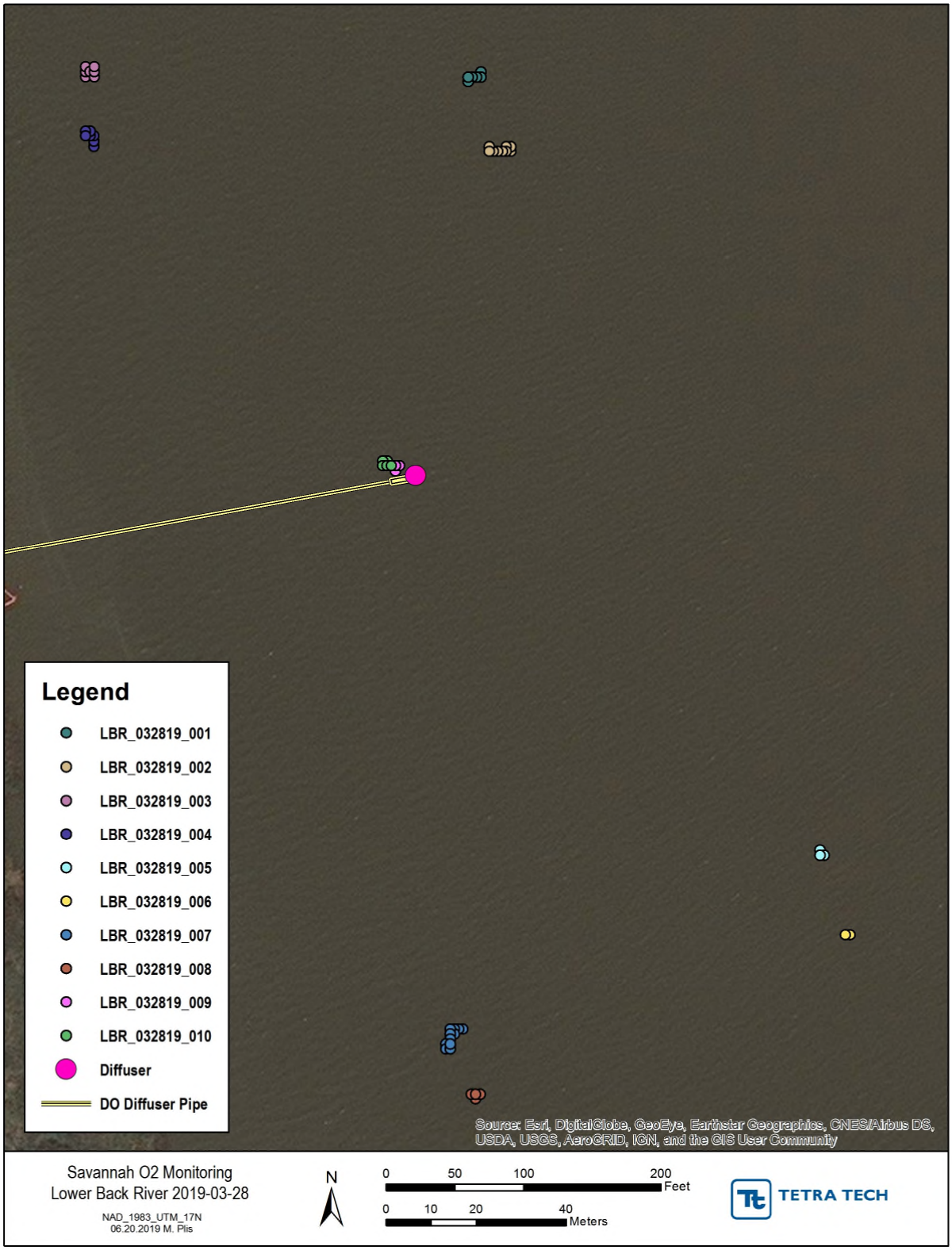


Figure C-92 Back River March 28, 2019 stationary profiles location map

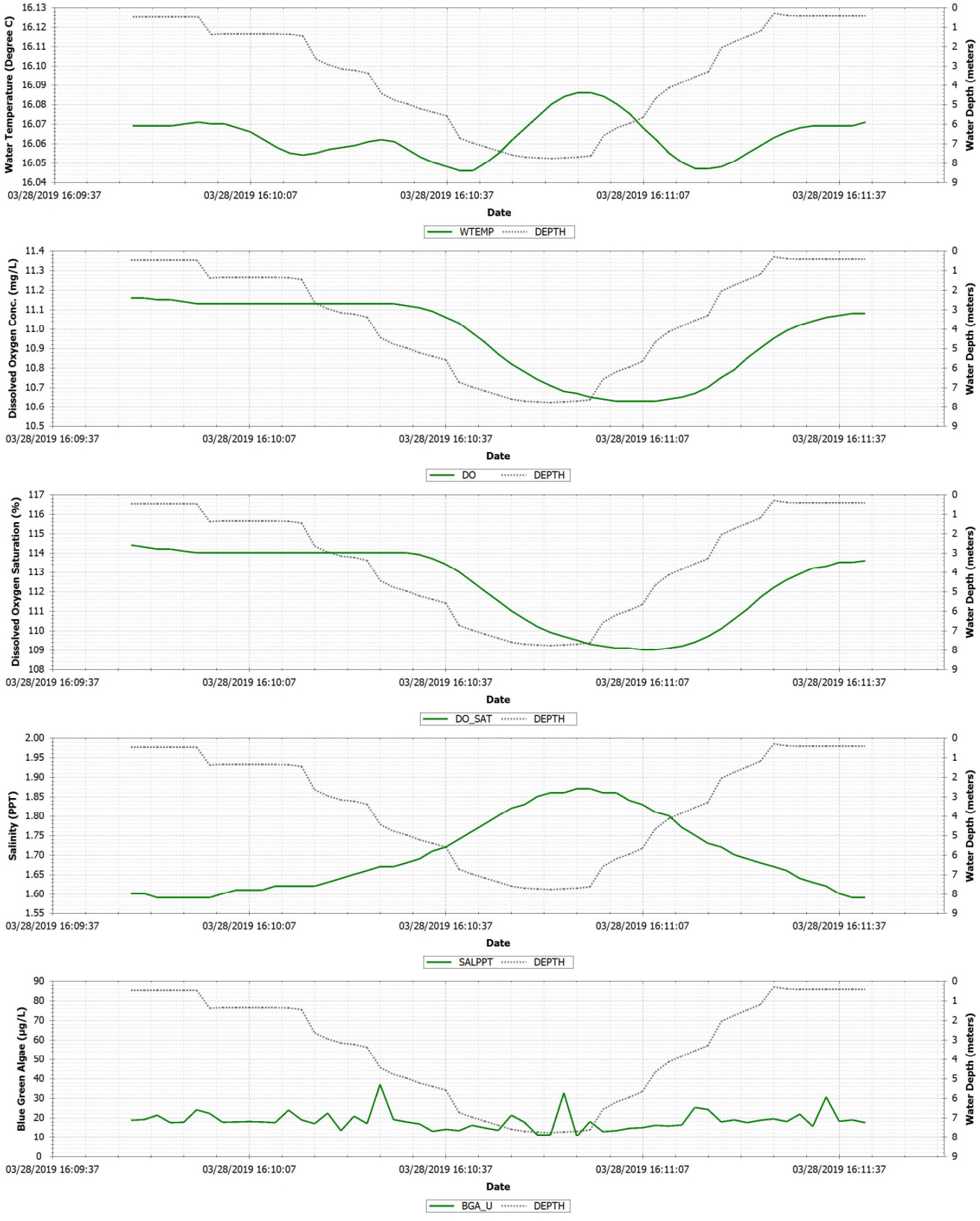


Figure C-93 Back River March 28, 2019 northeast buoy flood tide stationary profile observations (LBR_032819_001)

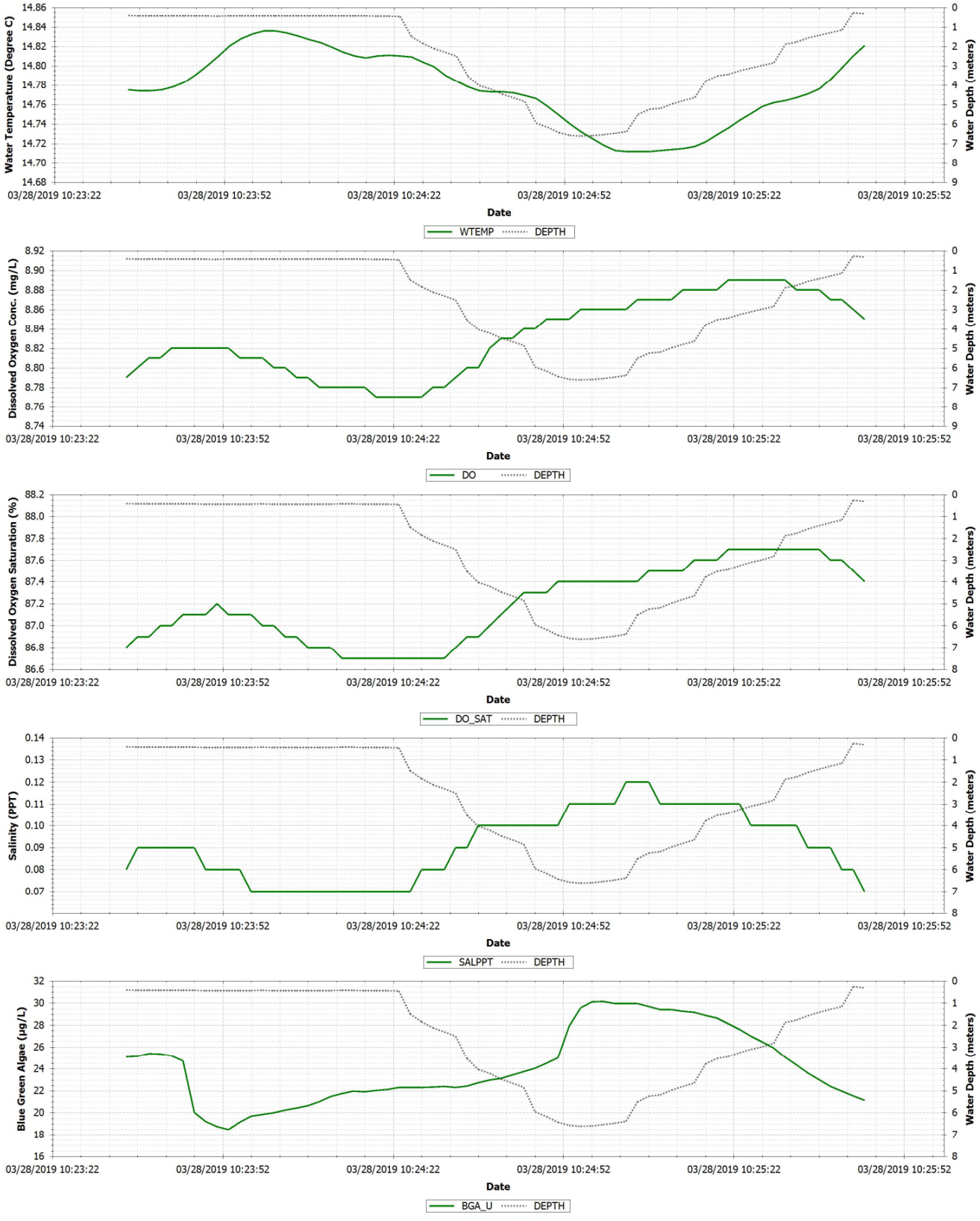


Figure C-94 Back River March 28, 2019 northeast buoy ebb tide stationary profile observations (LBR_032819_002)

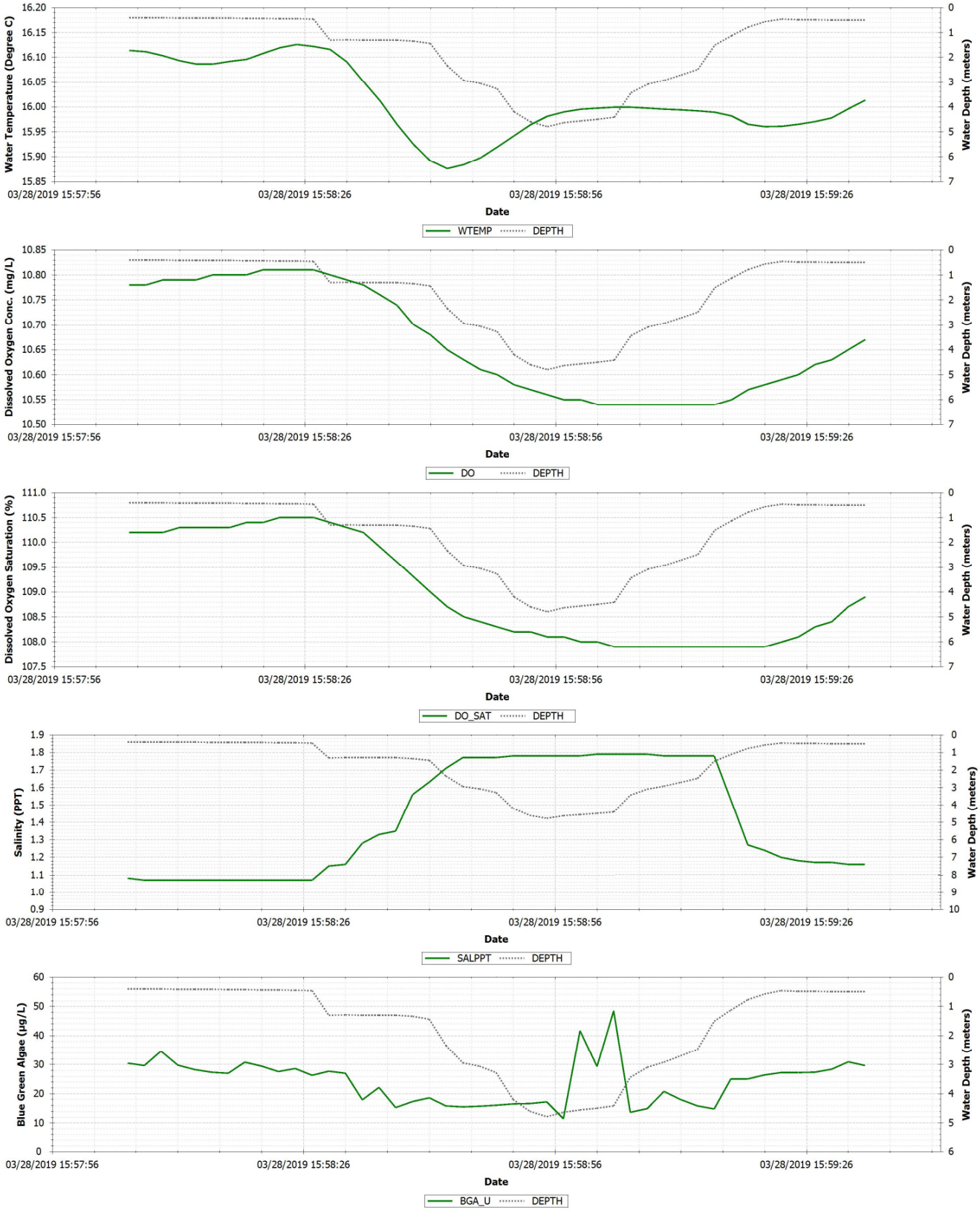


Figure C-95 Back River March 28, 2019 northwest buoy flood tide stationary profile observations (LBR_032819_003)

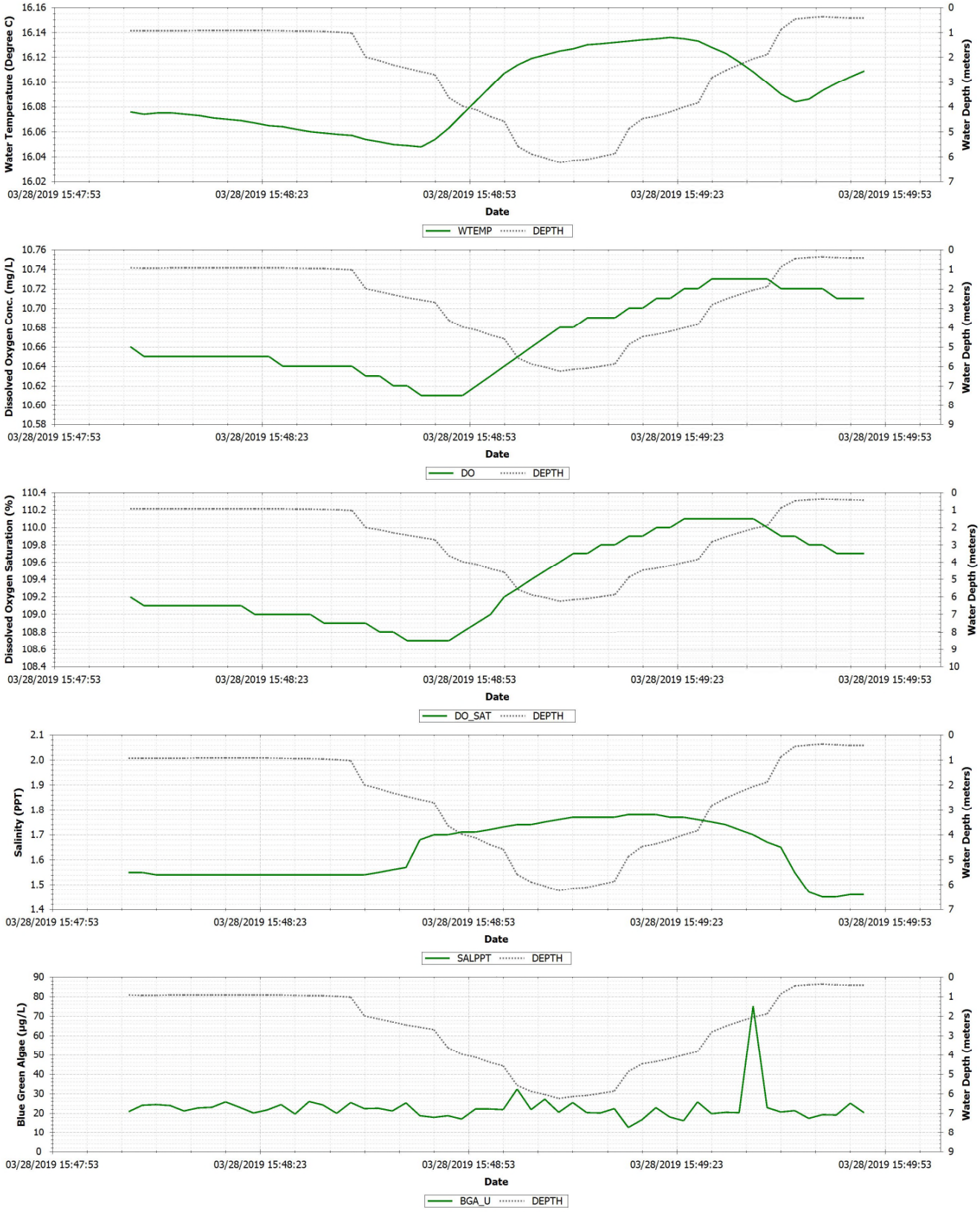


Figure C-96 Back River March 28, 2019 northwest buoy ebb tide stationary profile observations (LBR_032819_005)

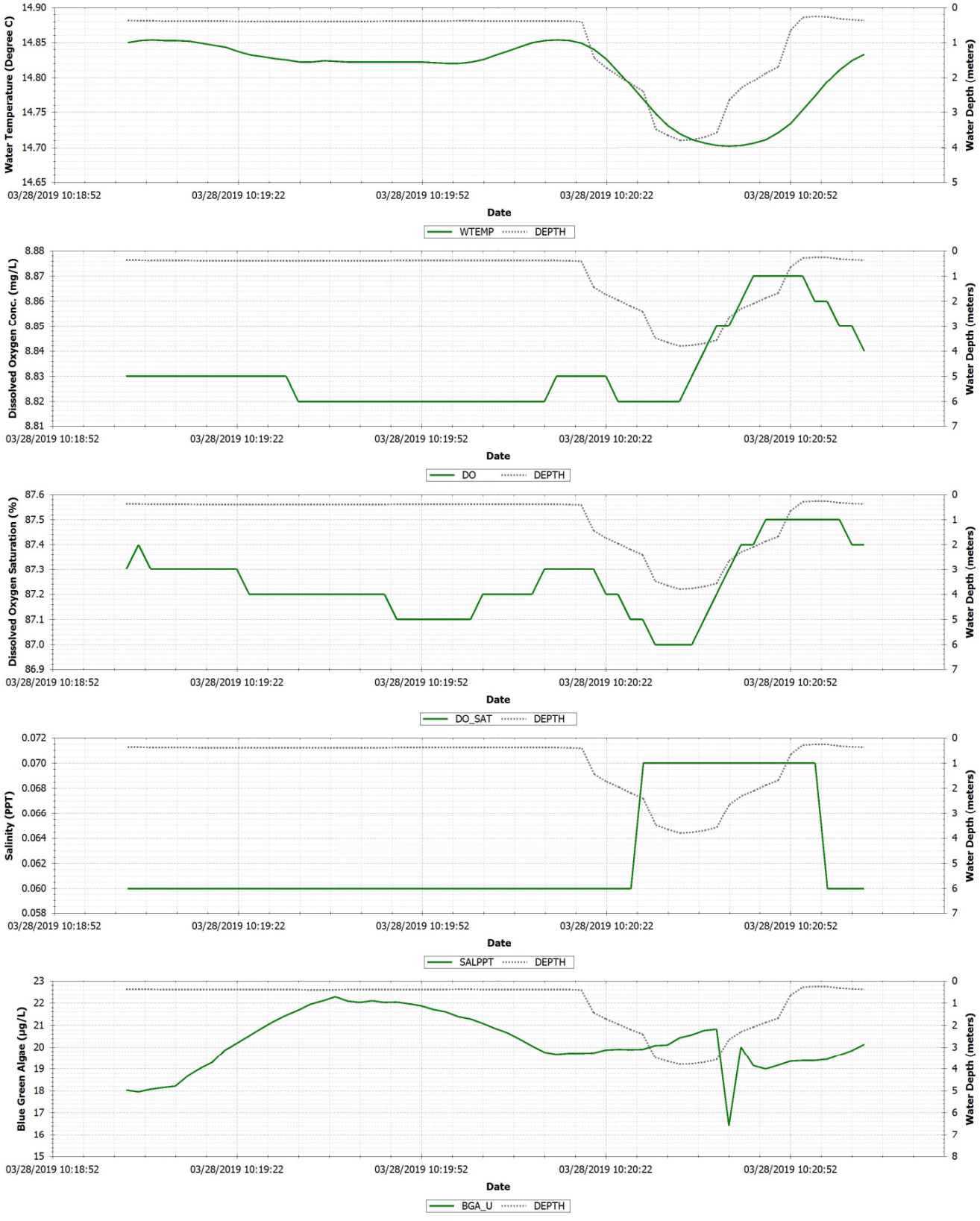


Figure C-97 Back River March 28, 2019 southeast buoy flood tide stationary profile observations (LBR_032819_004)

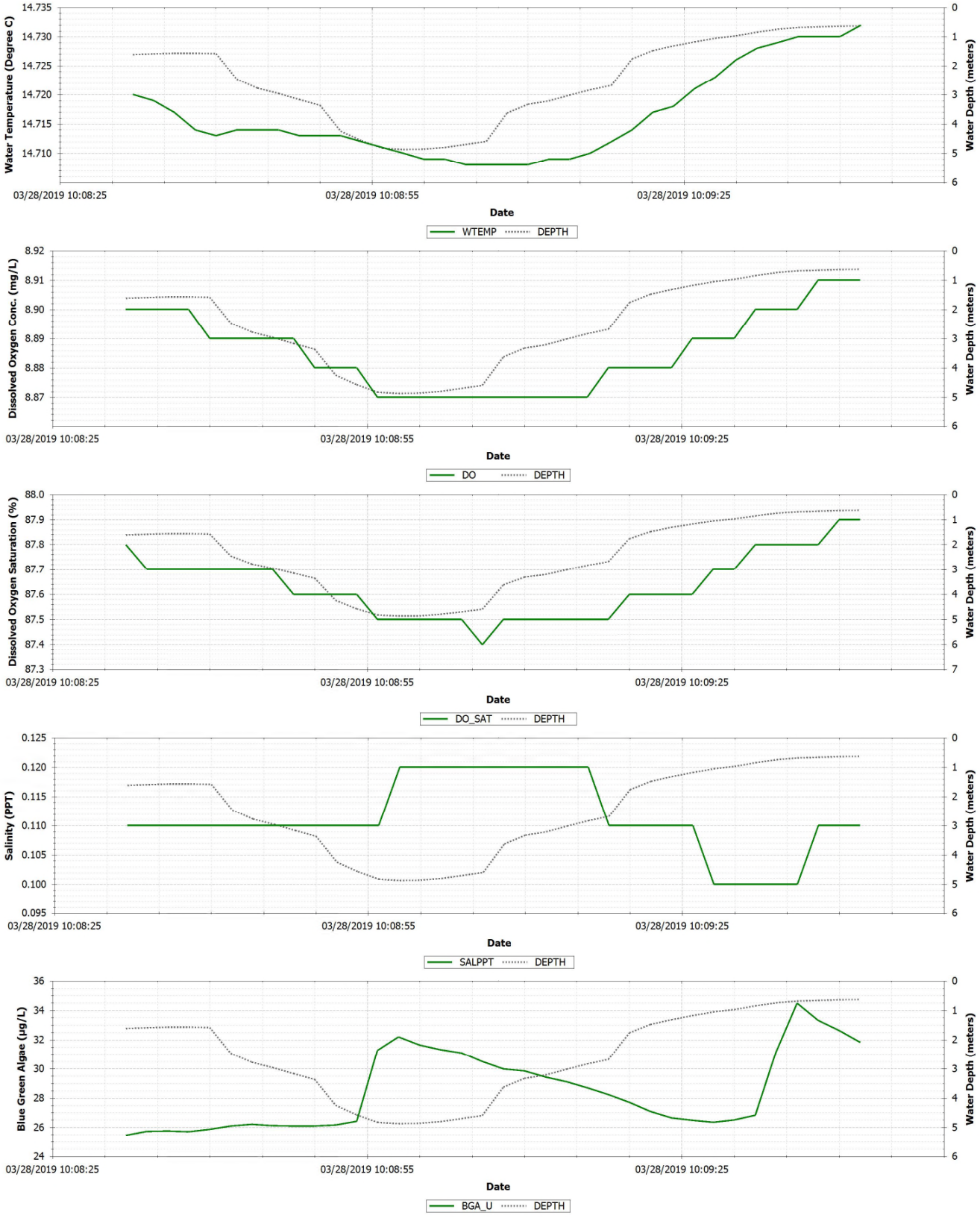


Figure C-98 Back River March 28, 2019 southeast buoy ebb tide stationary profile observations (LBR_032819_006)

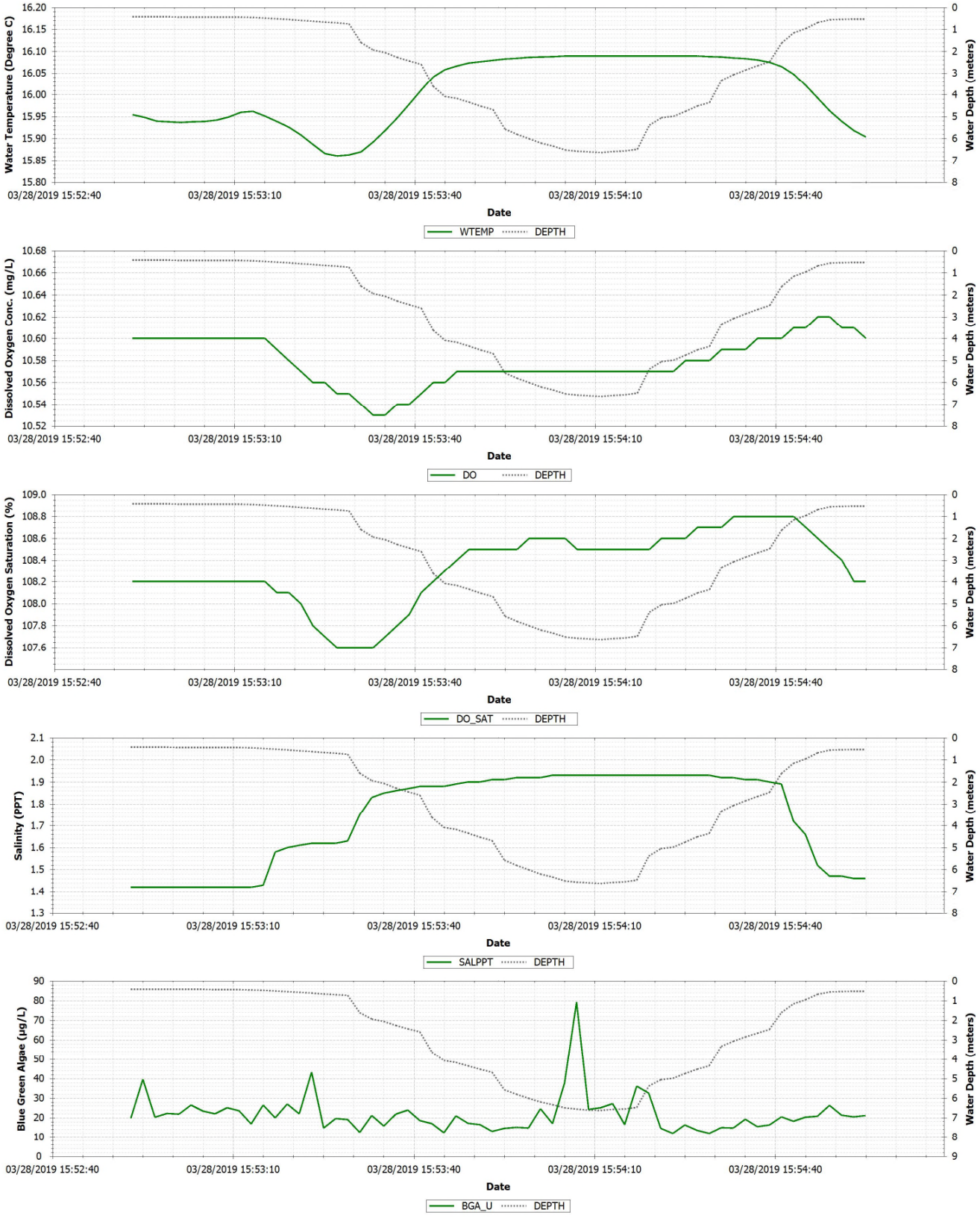


Figure C-99 Back River March 28, 2019 southwest buoy flood tide stationary profile observations (LBR_032819_007)

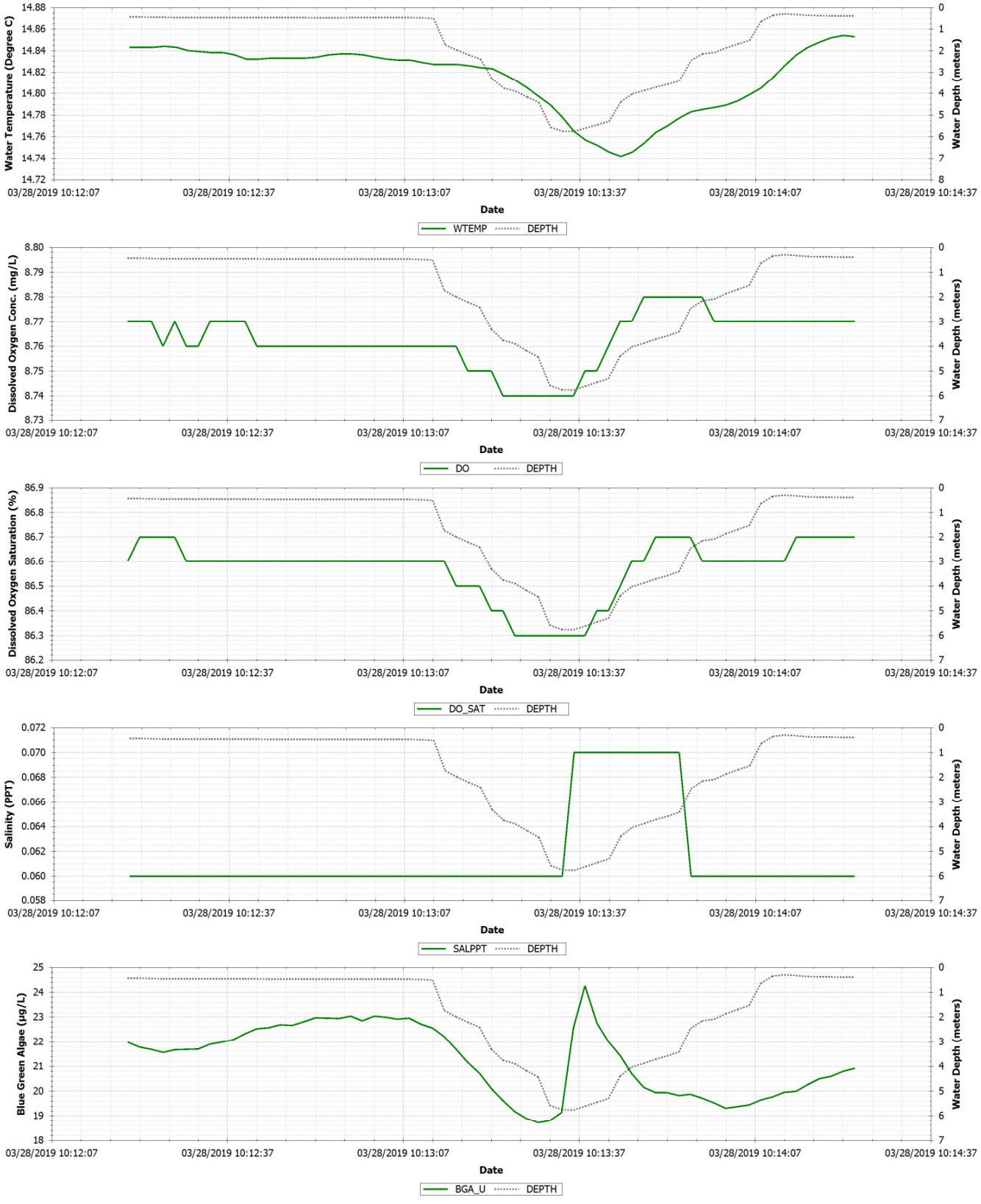


Figure C-100 Back River March 28, 2019 southwest buoy ebb tide stationary profile observations (LBR_032819_008)

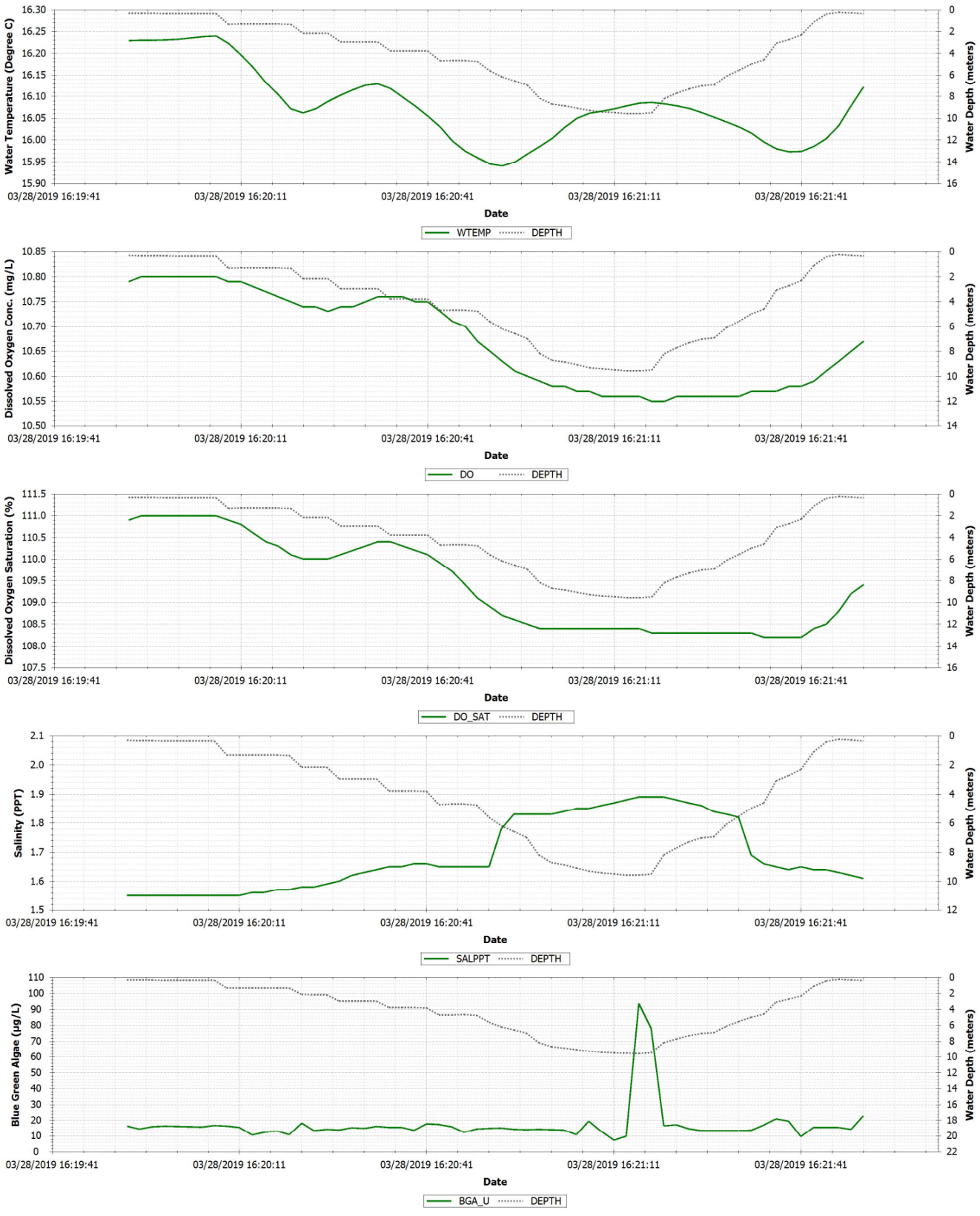


Figure C-101 Back River March 28, 2019 east platform flood tide stationary profile observations (LBR_032819_009)

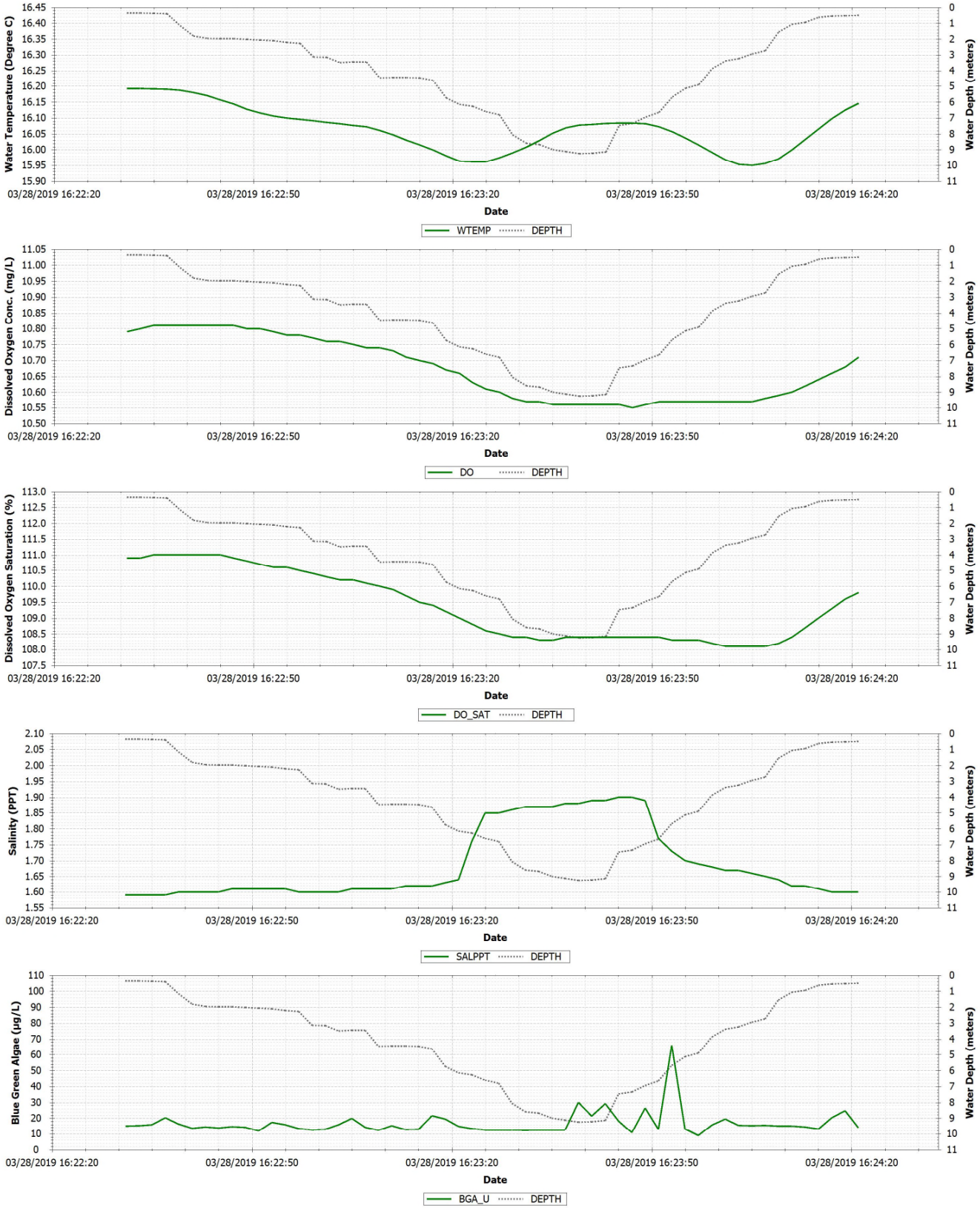


Figure C-102 Back River March 28, 2019 west platform flood tide stationary profile observations (LBR_032819_010)

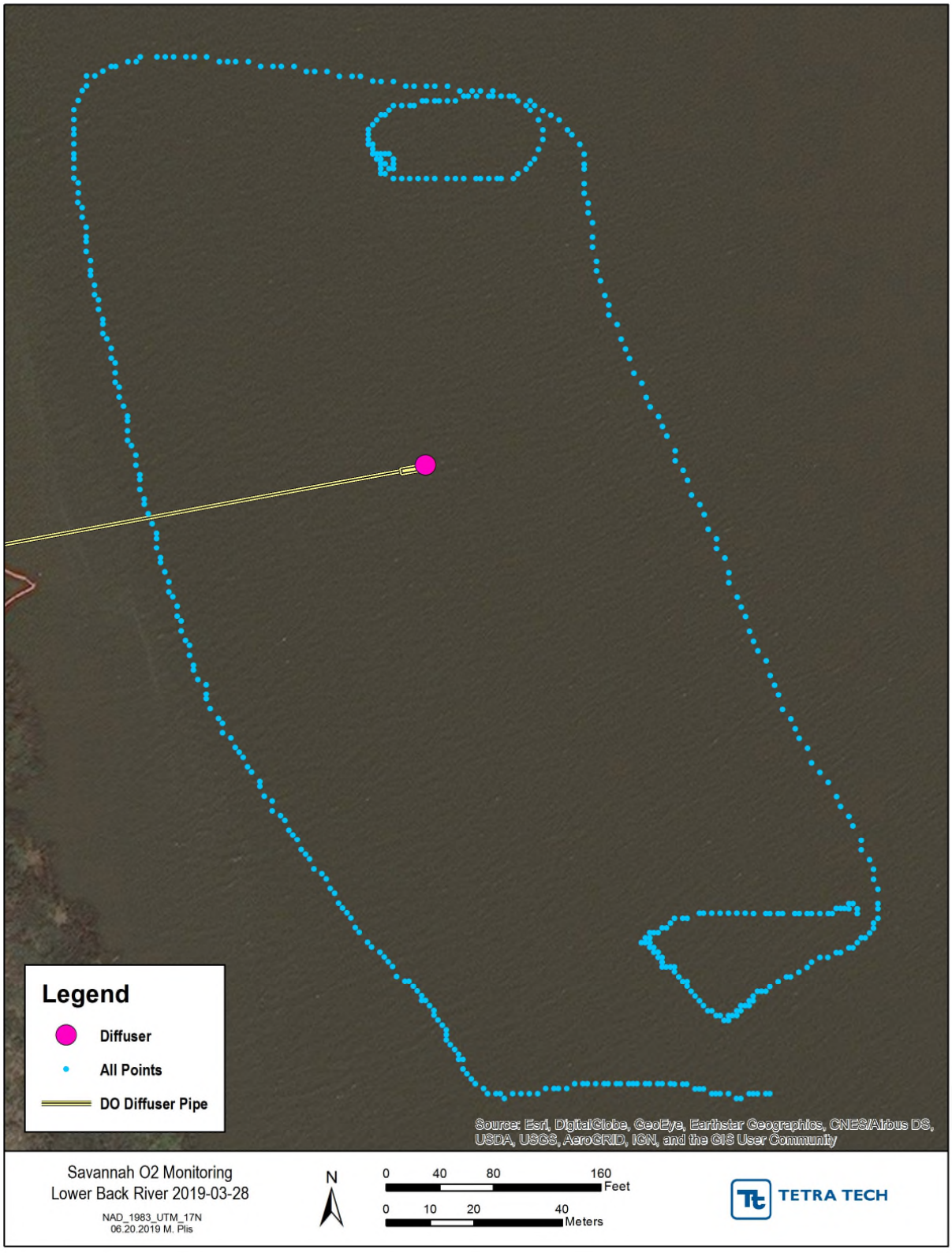


Figure C-103 Back River March 28, 2019 ebb tide traveling profile period 1 location map (LBR_032819_014)

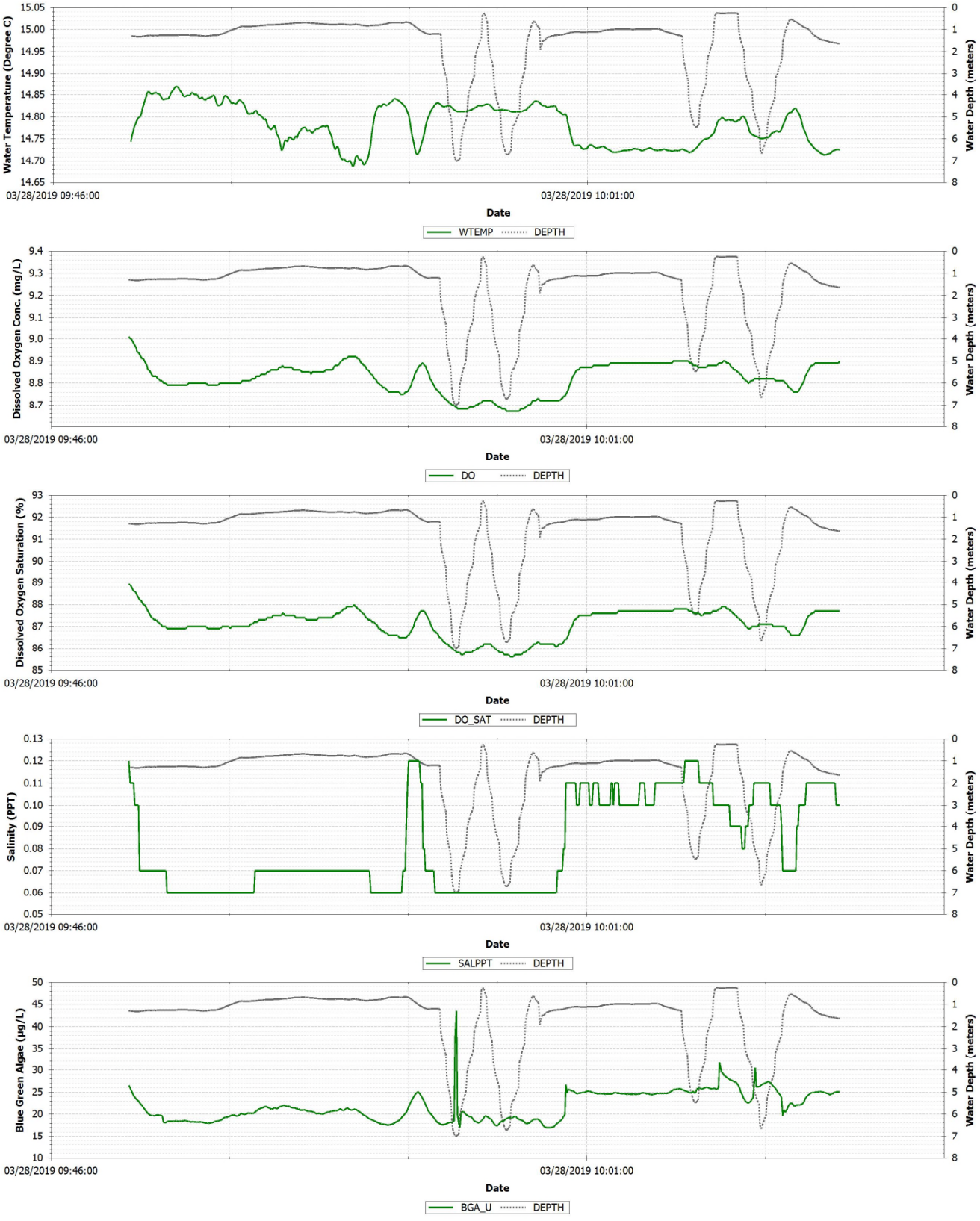


Figure C-104 Back River March 28, 2019 ebb tide traveling profile period 1 observations (LBR_032819_014)

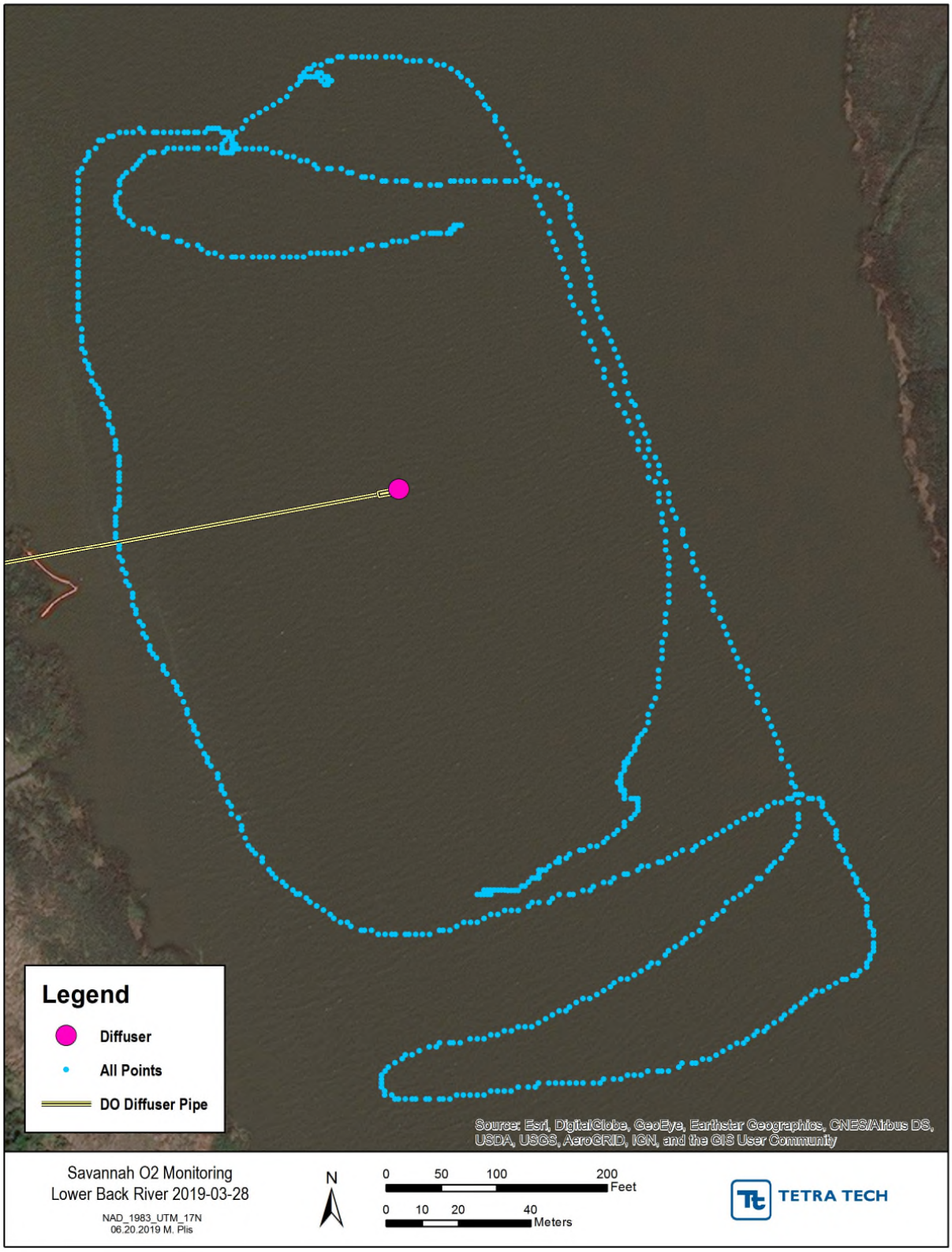


Figure C-105 Back River March 28, 2019 ebb tide traveling profile period 2 location map (LBR_032819_013)

Figure C-106 Back River March 28, 2019 ebb tide traveling profile period 2 observations (LBR_032819_013)

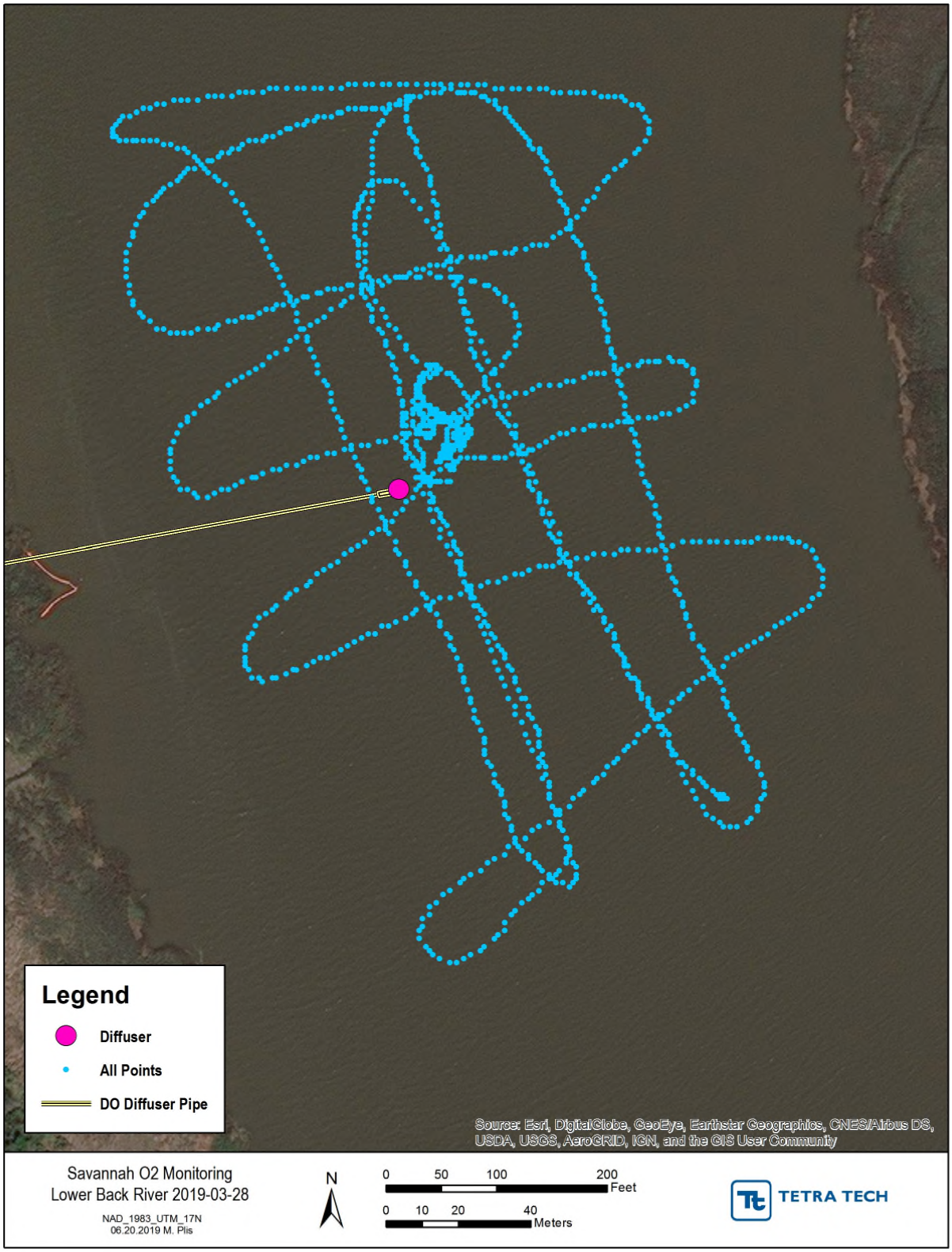


Figure C-107 Back River March 28, 2019 flood tide traveling profile period 1 location map (LBR_032819_012)

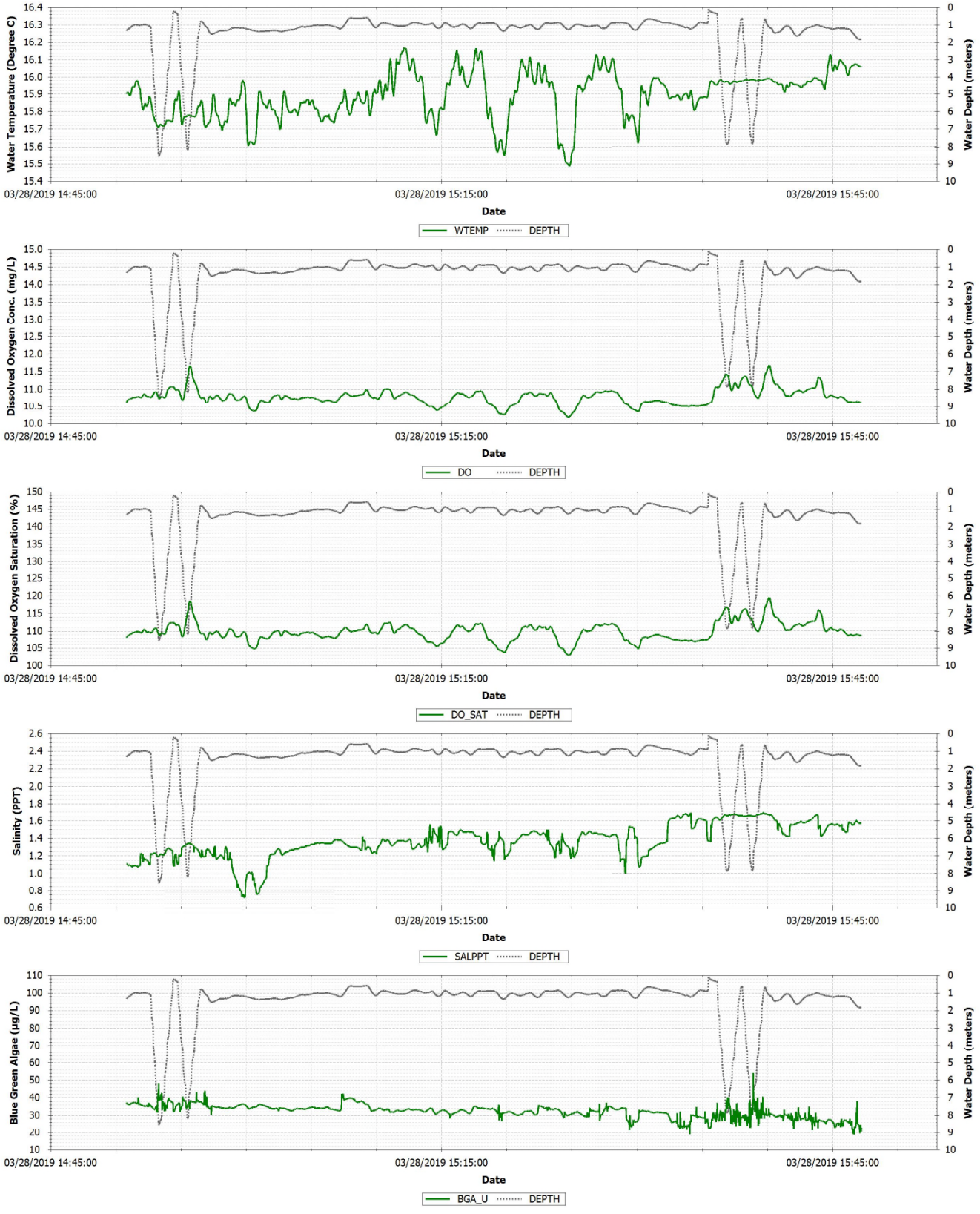


Figure C-108 Back River March 28, 2019 flood tide traveling profile period 1 observations (LBR_032819_012)

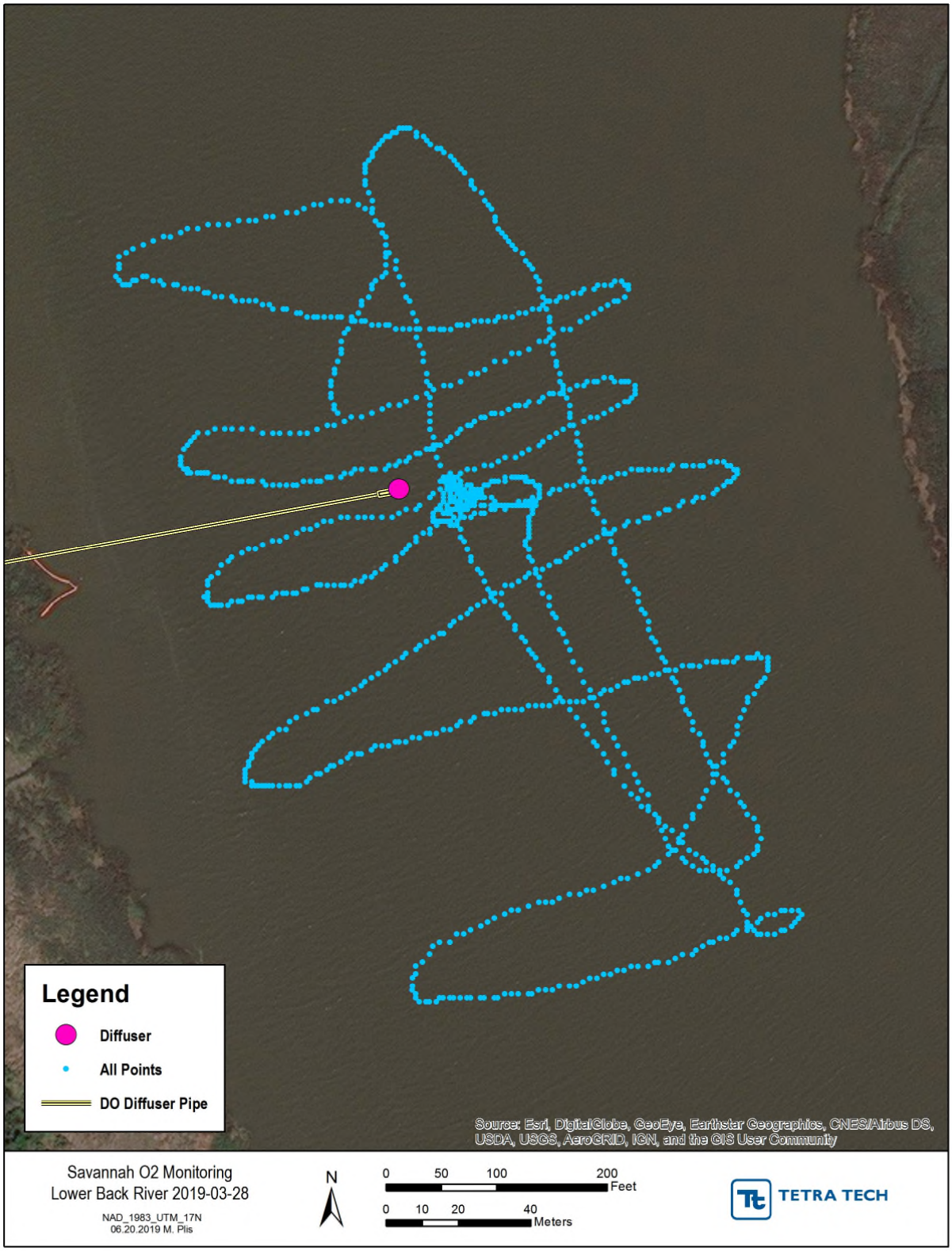


Figure C-109 Back River March 28, 2019 flood tide traveling profile period 2 location map (LBR_032819_011)

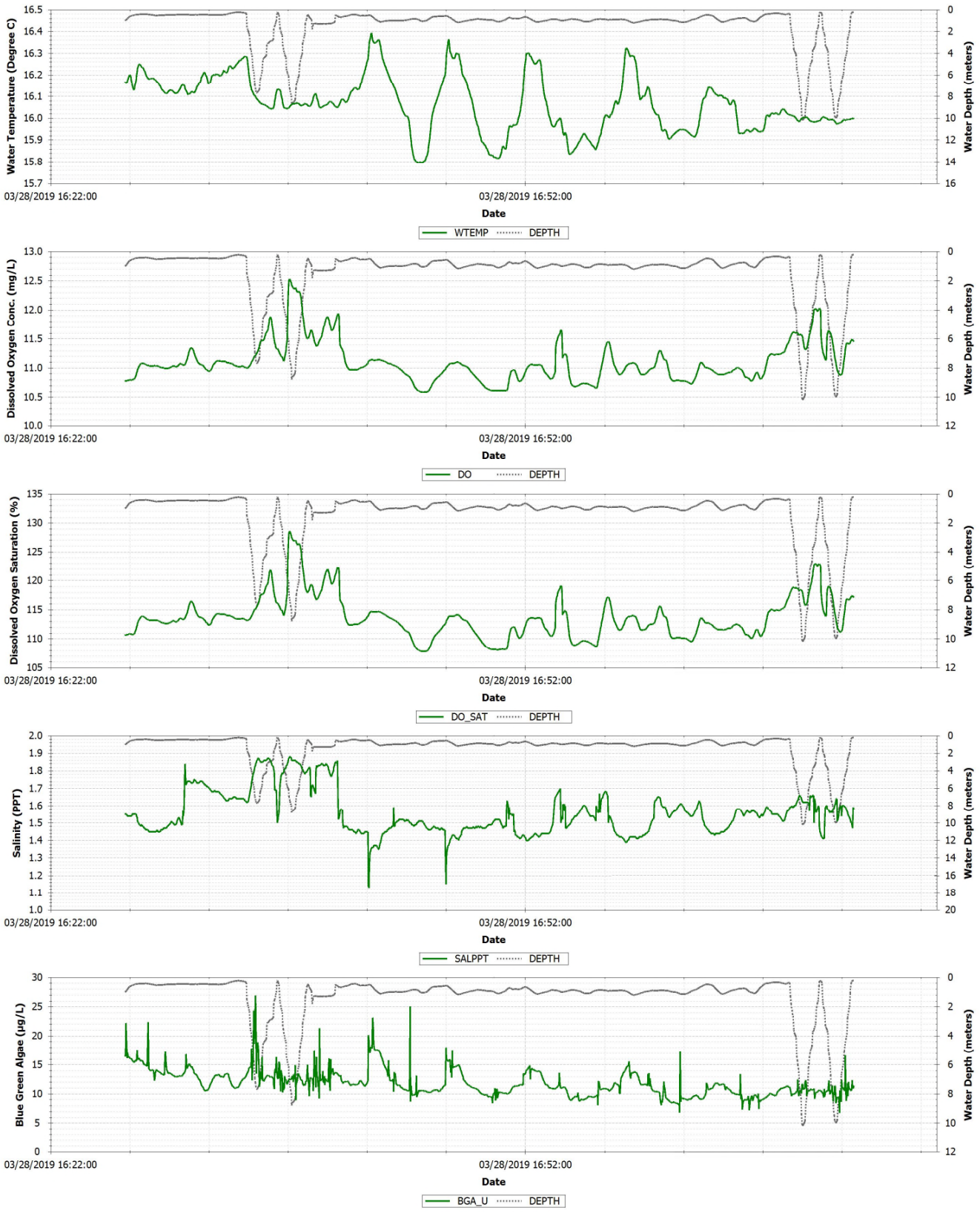


Figure C-110 Back River March 28, 2019 flood tide traveling profile period 2 observations (LBR_032819_011)

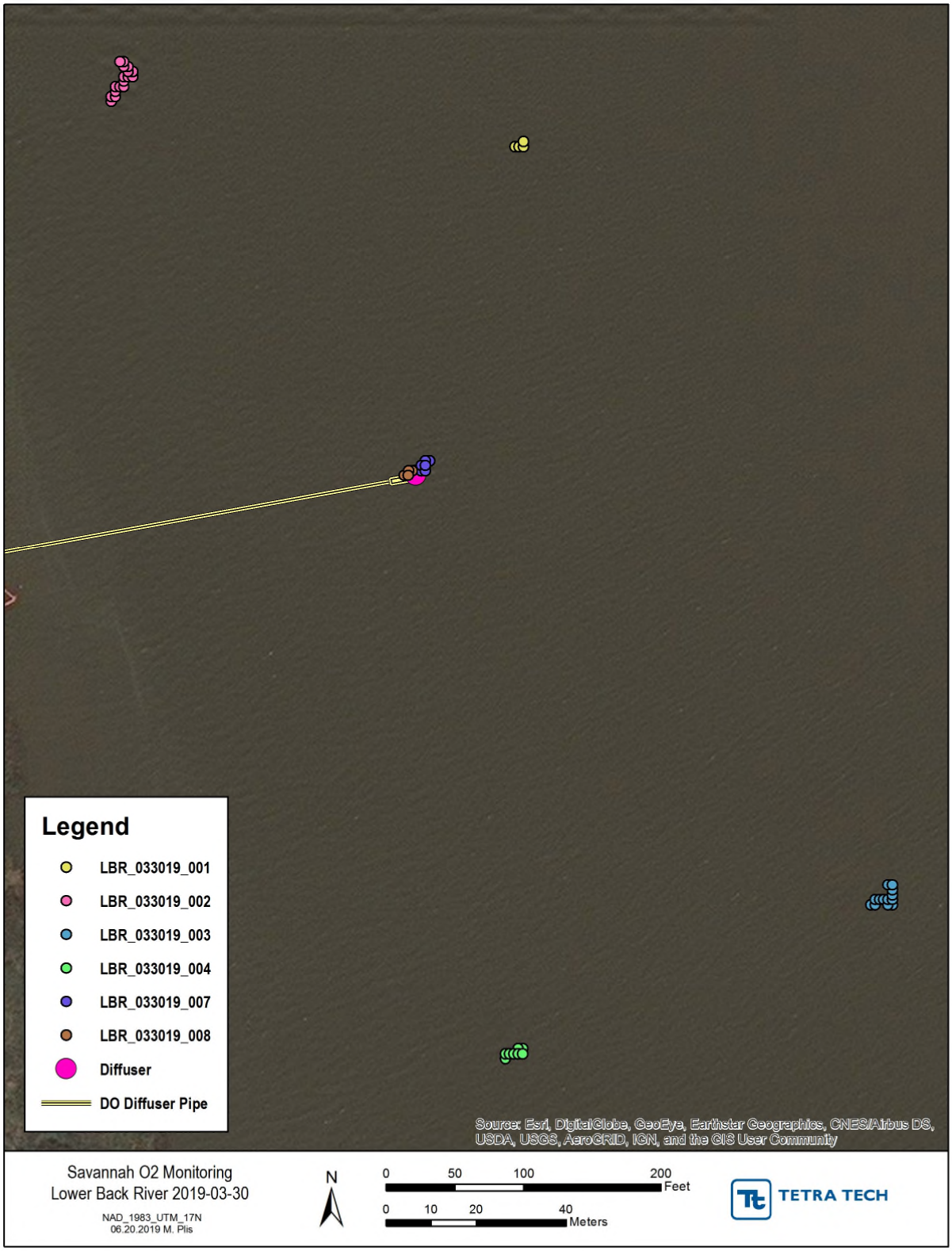


Figure C-111 Back River March 30, 2019 stationary profiles location map

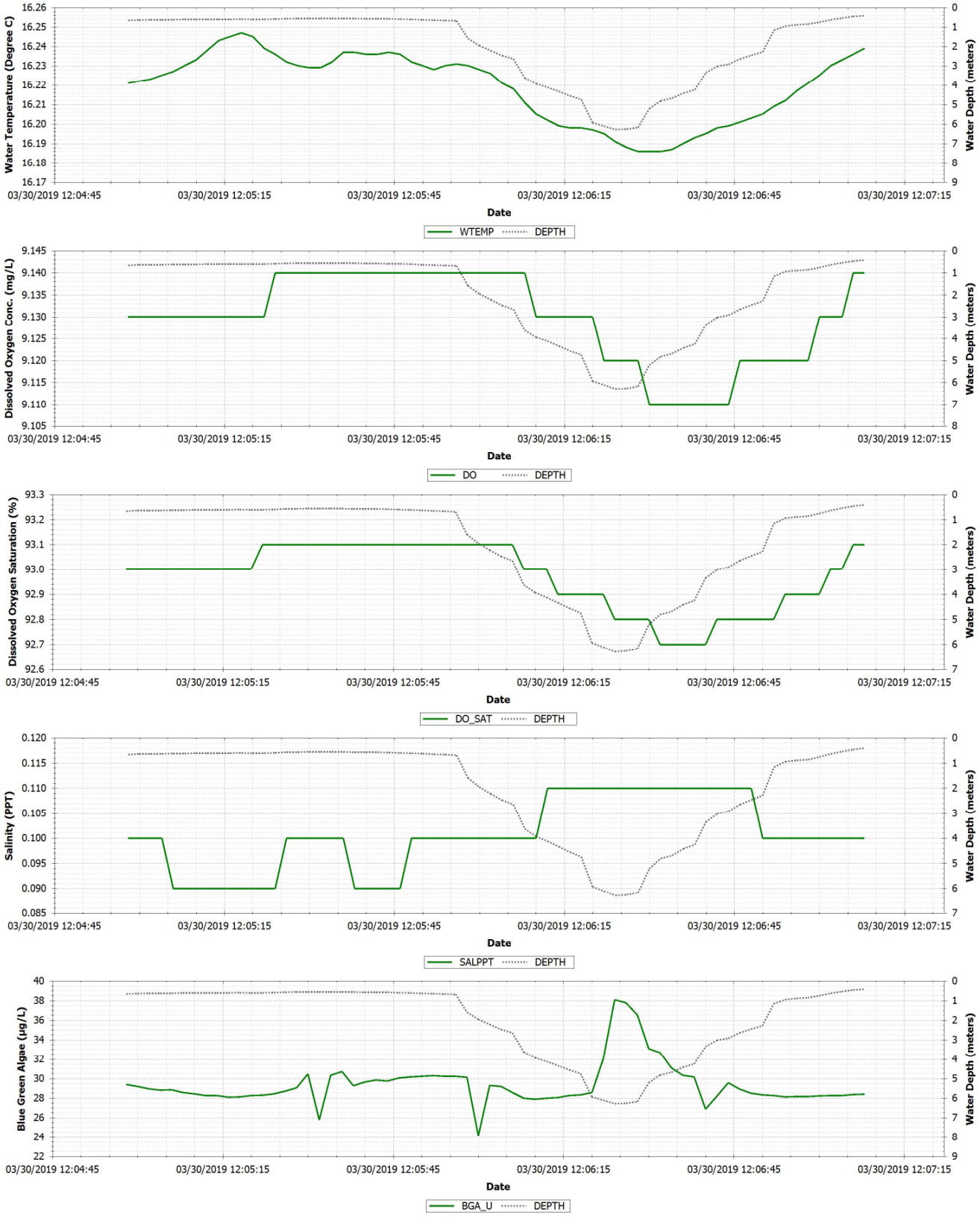


Figure C-112 Back River March 30, 2019 northeast buoy ebb tide stationary profile observations (LBR_033019_001)

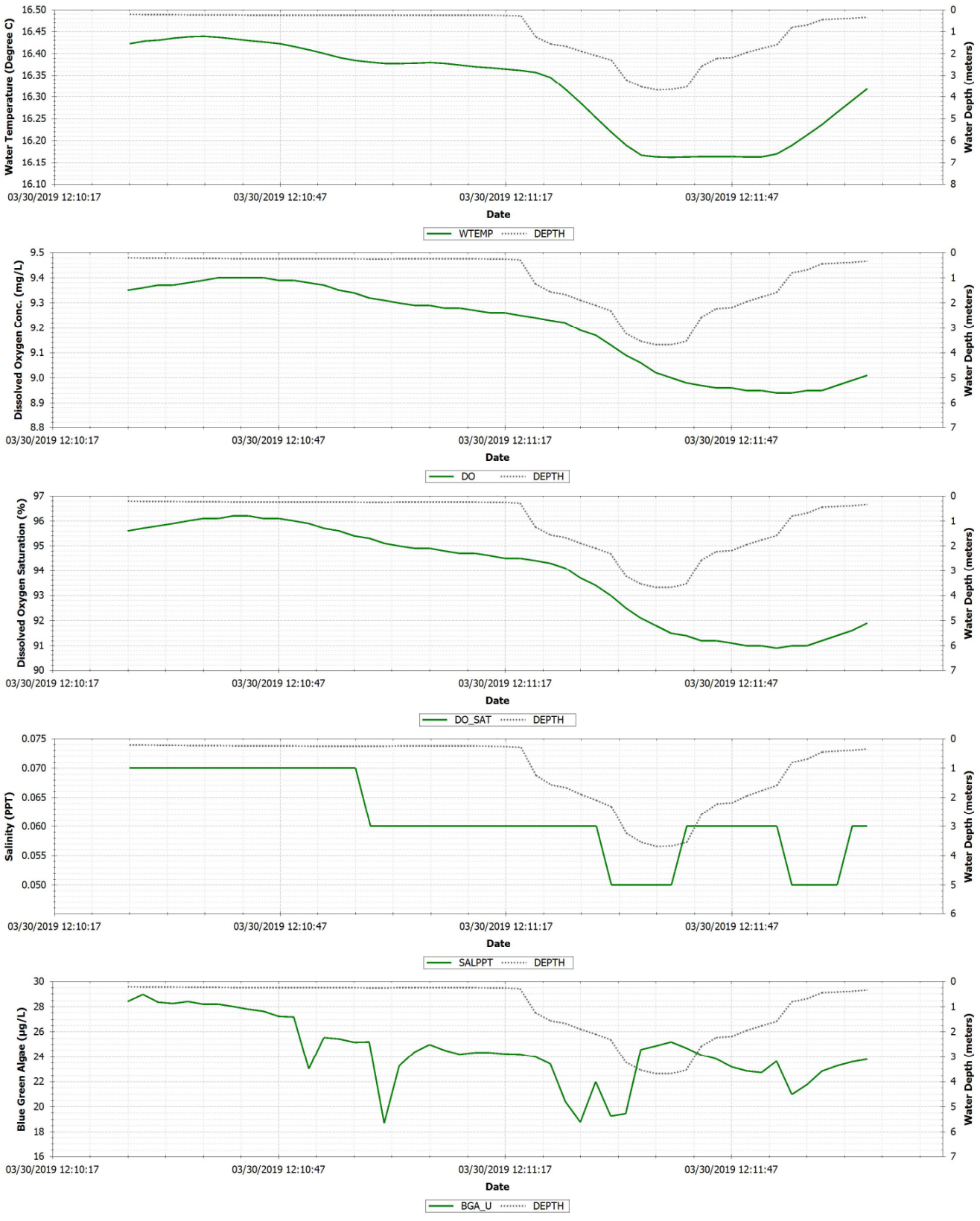


Figure C-113 Back River March 30, 2019 northwest buoy ebb tide stationary profile observations (LBR_033019_002)

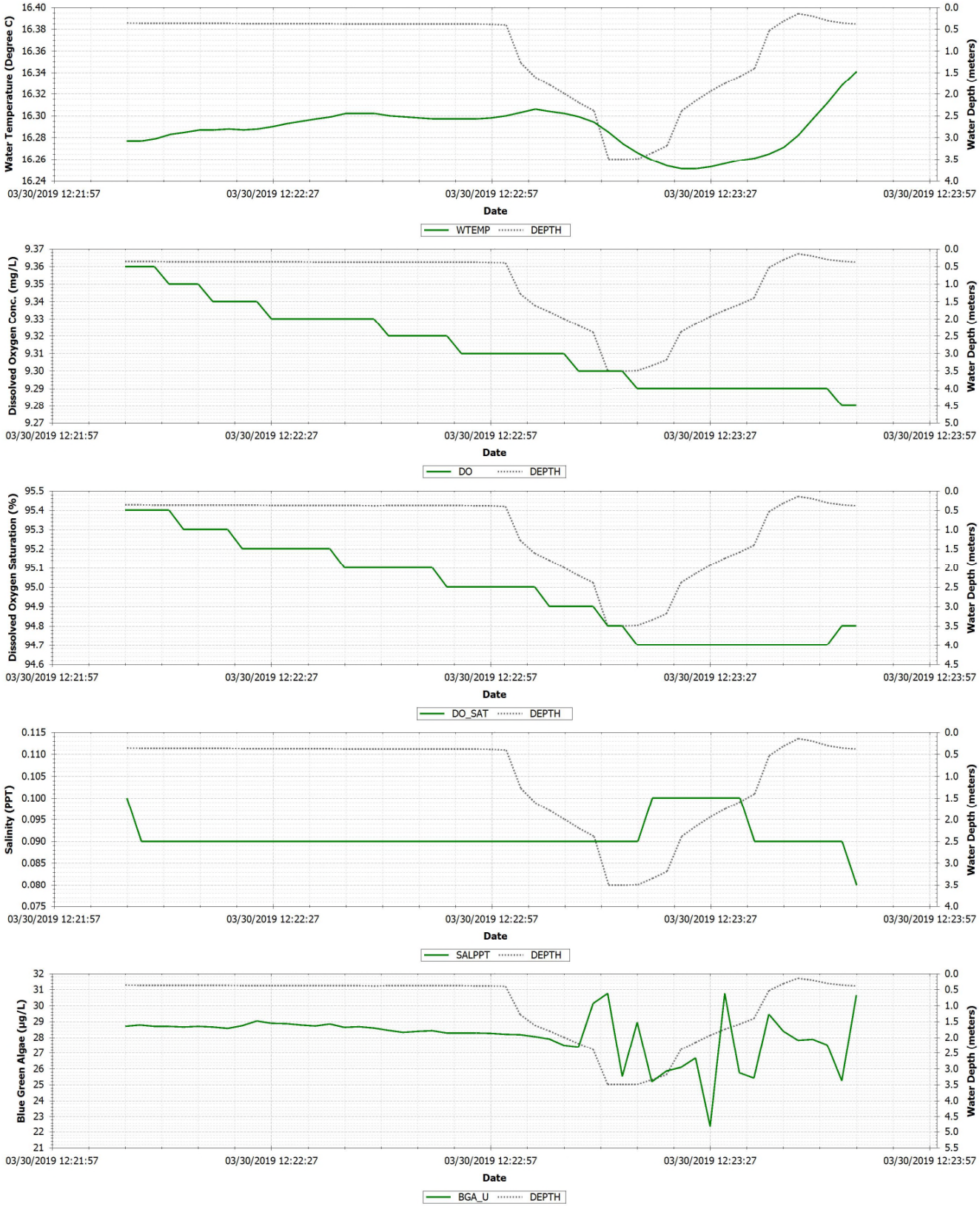


Figure C-114 Back River March 30, 2019 southeast buoy ebb tide stationary profile observations (LBR_033019_003)

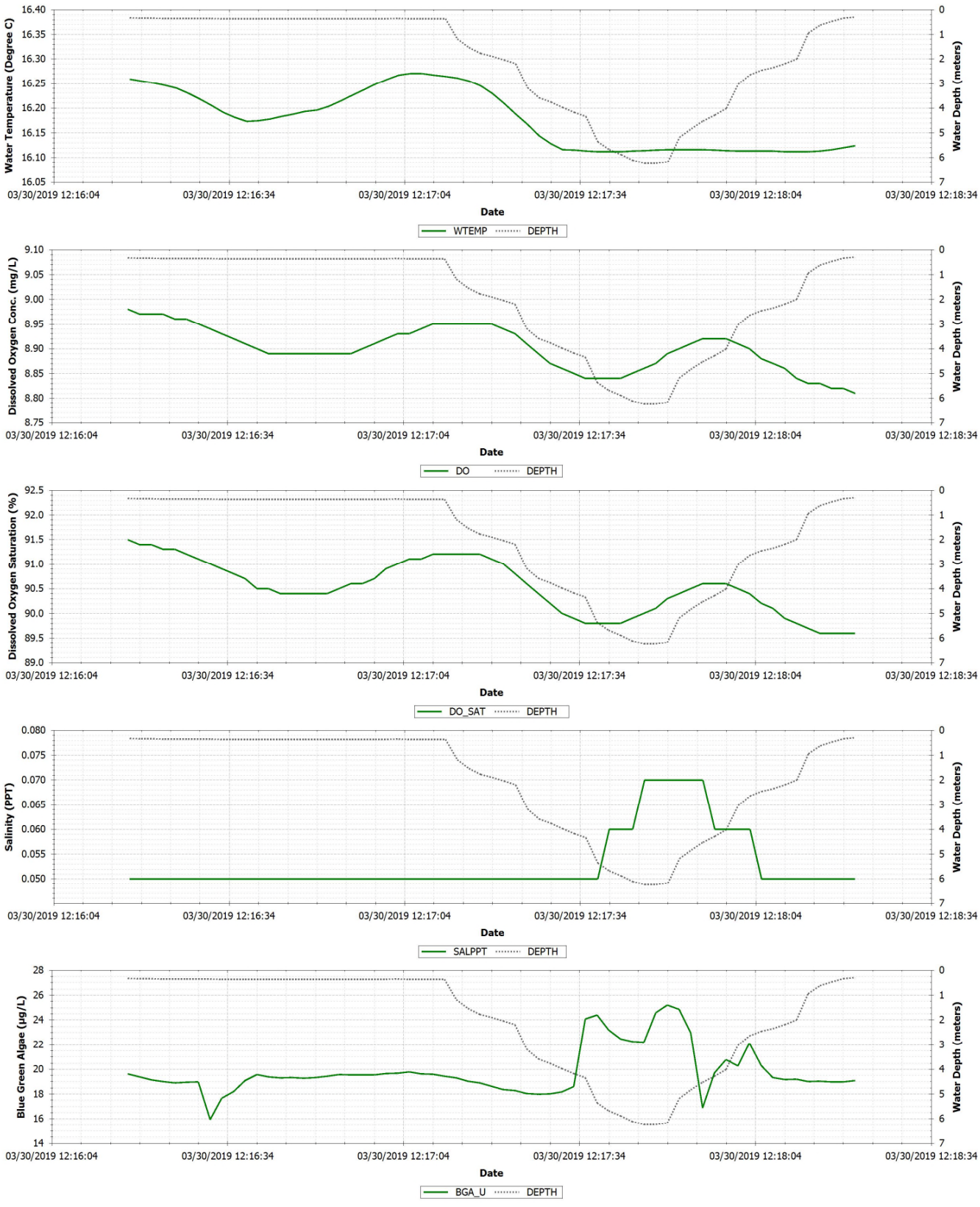


Figure C-115 Back River March 30, 2019 southwest buoy ebb tide stationary profile observations (LBR_033019_004)

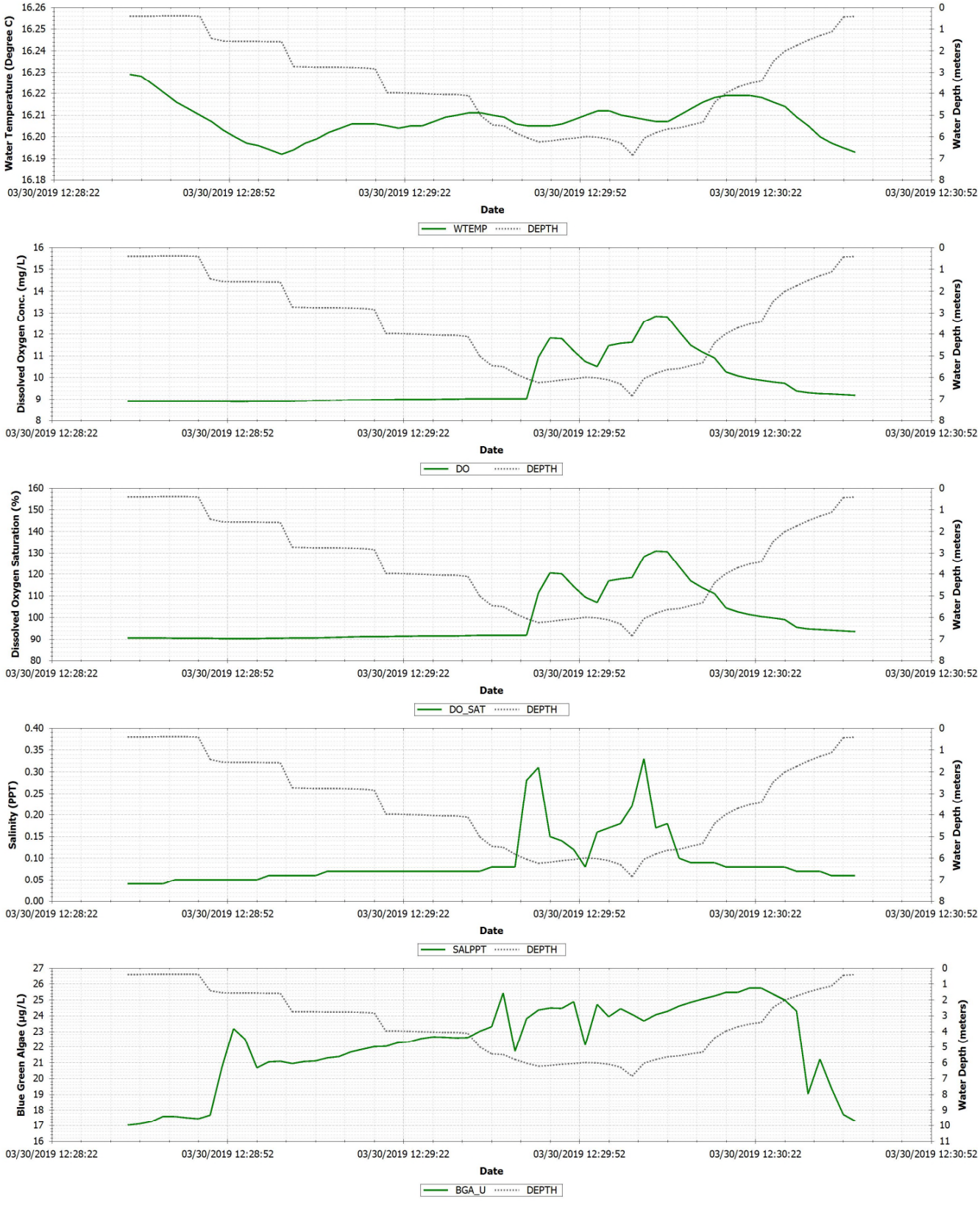


Figure C-116 Back River March 30, 2019 east platform ebb tide stationary profile observations (LBR_033019_007)

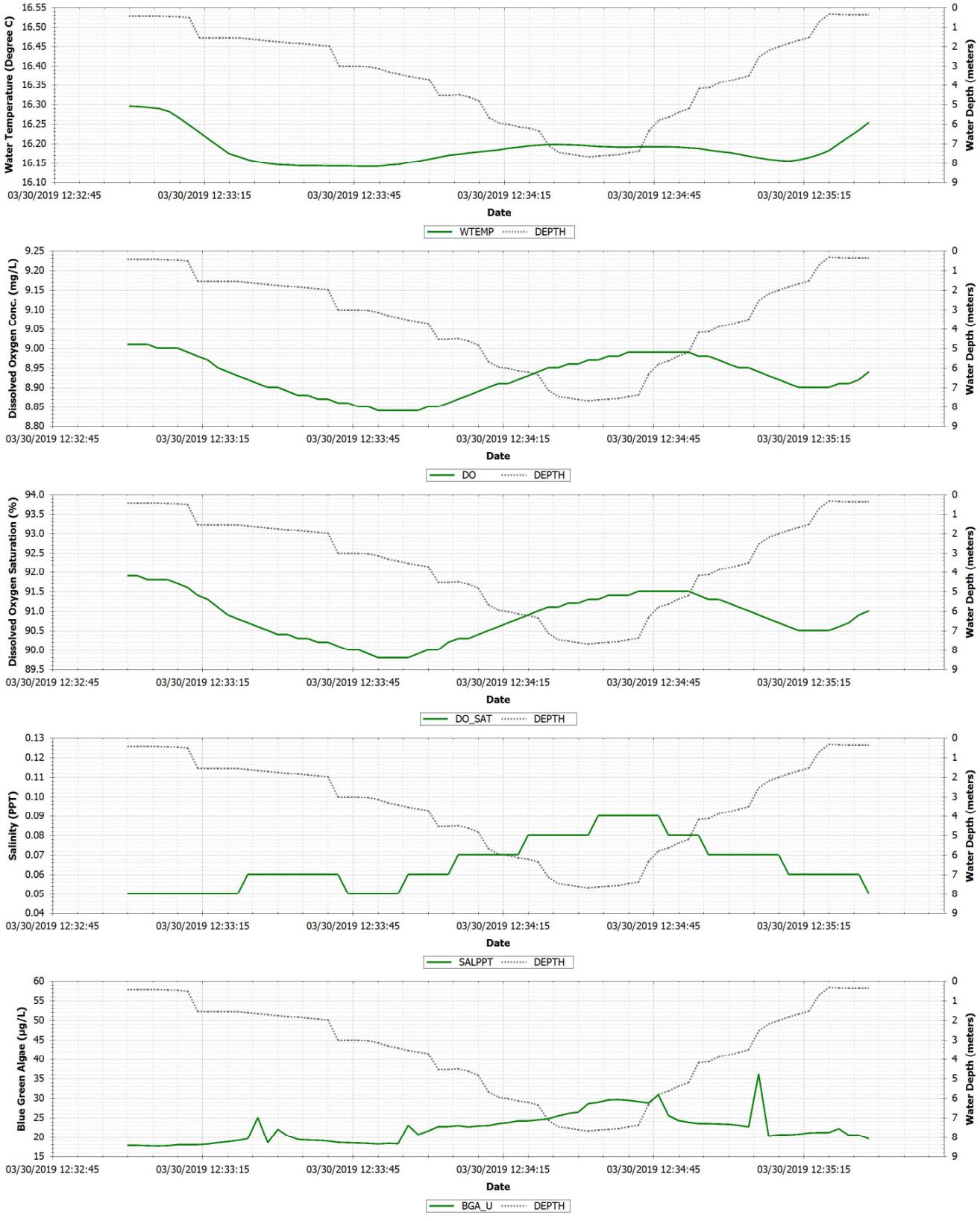


Figure C-117 Back River March 30, 2019 west platform ebb tide stationary profile observations (LBR_033019_008)

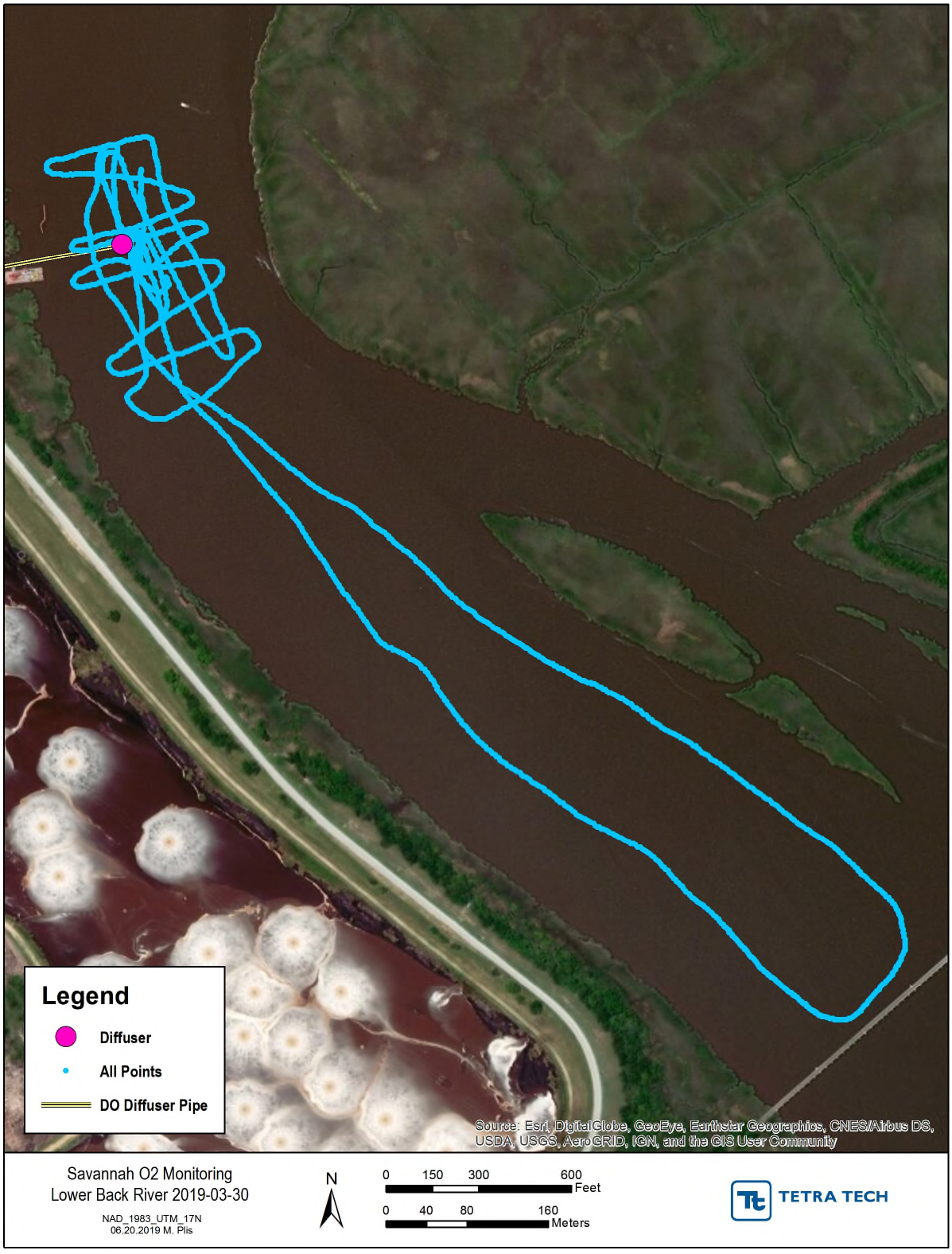


Figure C-118 Back River March 30, 2019 ebb tide traveling profile period 1 location map (LBR_033019_006)

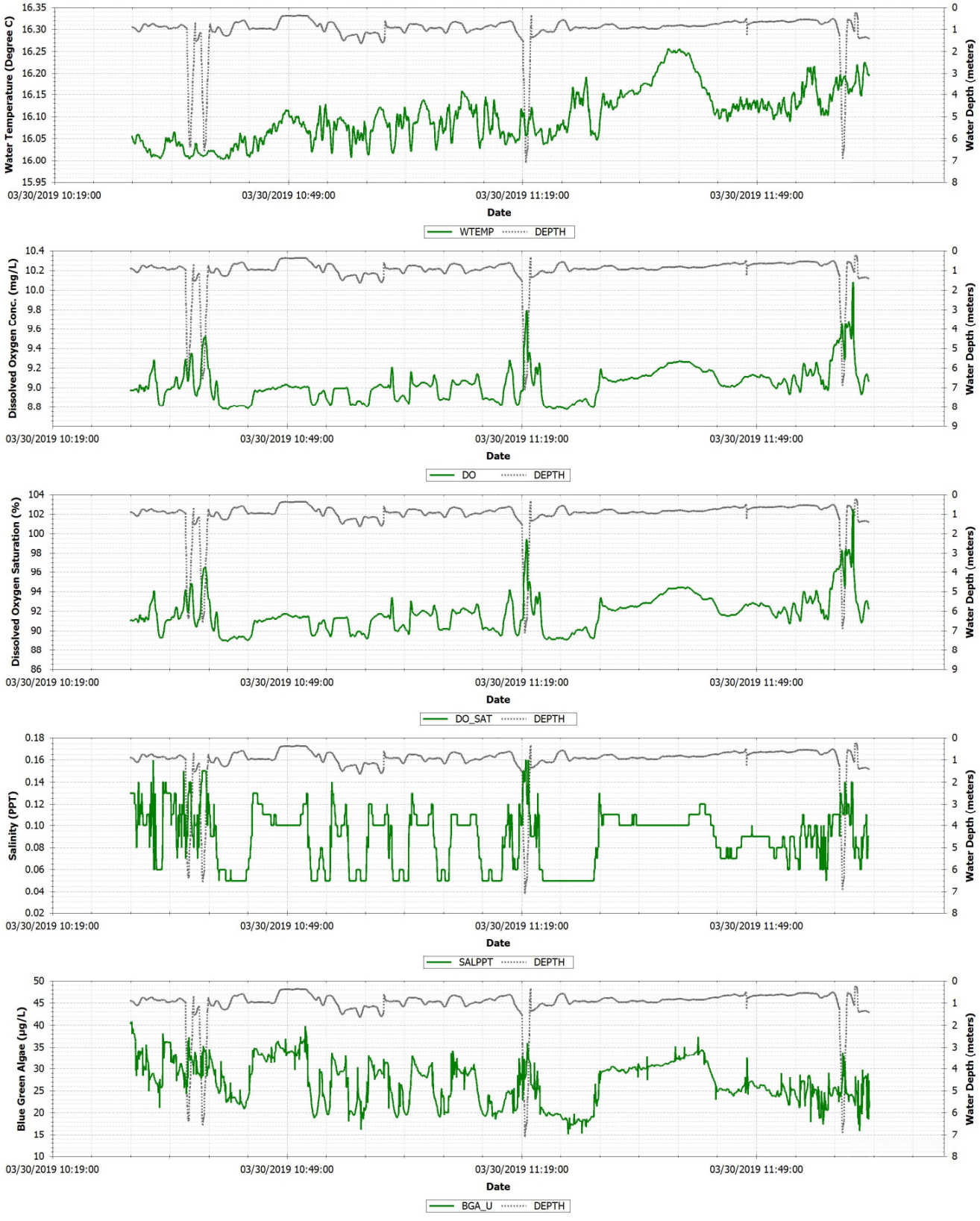


Figure C-119 Back River March 30, 2019 ebb tide traveling profile period 1 observations (LBR_033019_006)

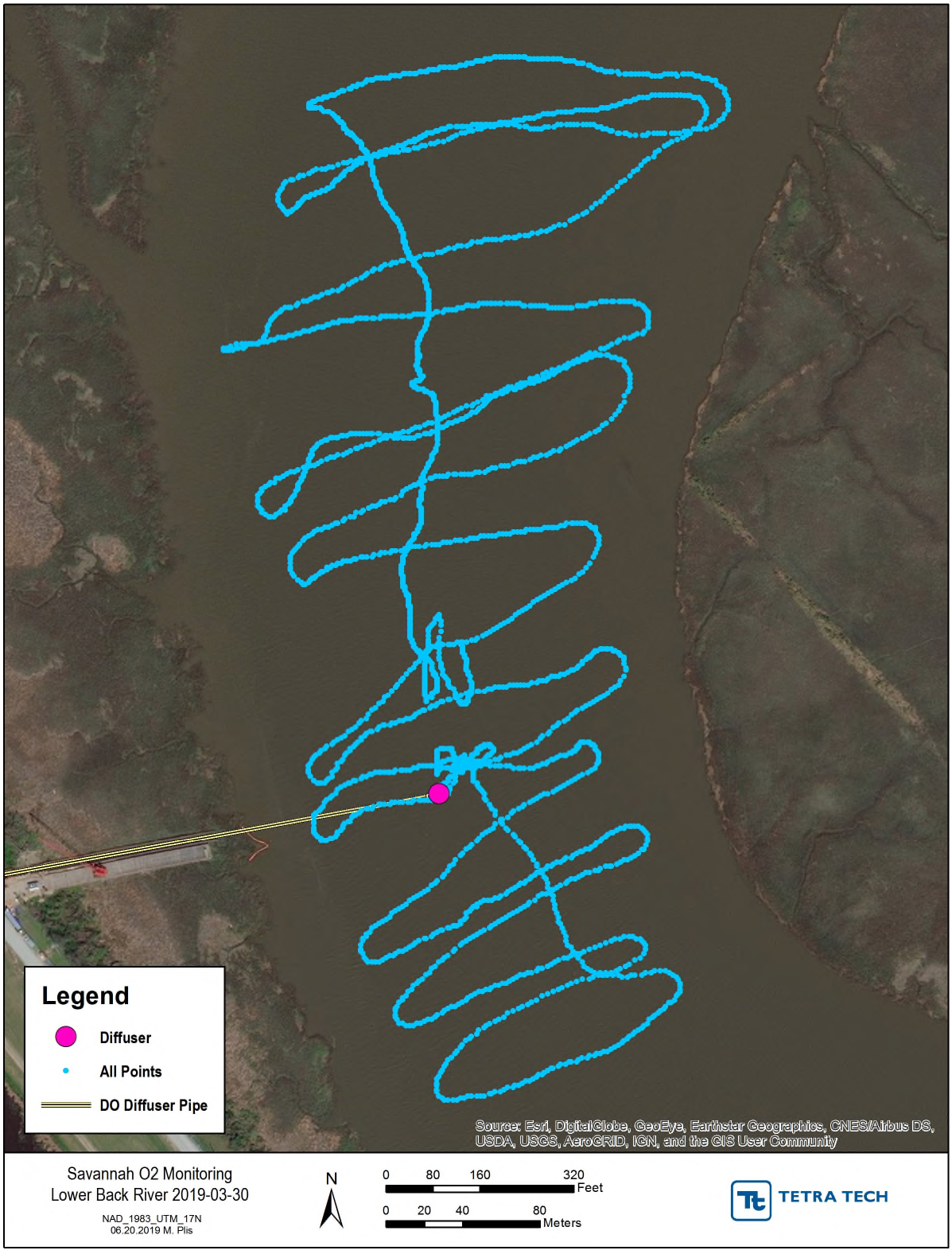


Figure C-120 Back River March 30, 2019 ebb tide traveling profile period 2 location map (LBR_033019_005)

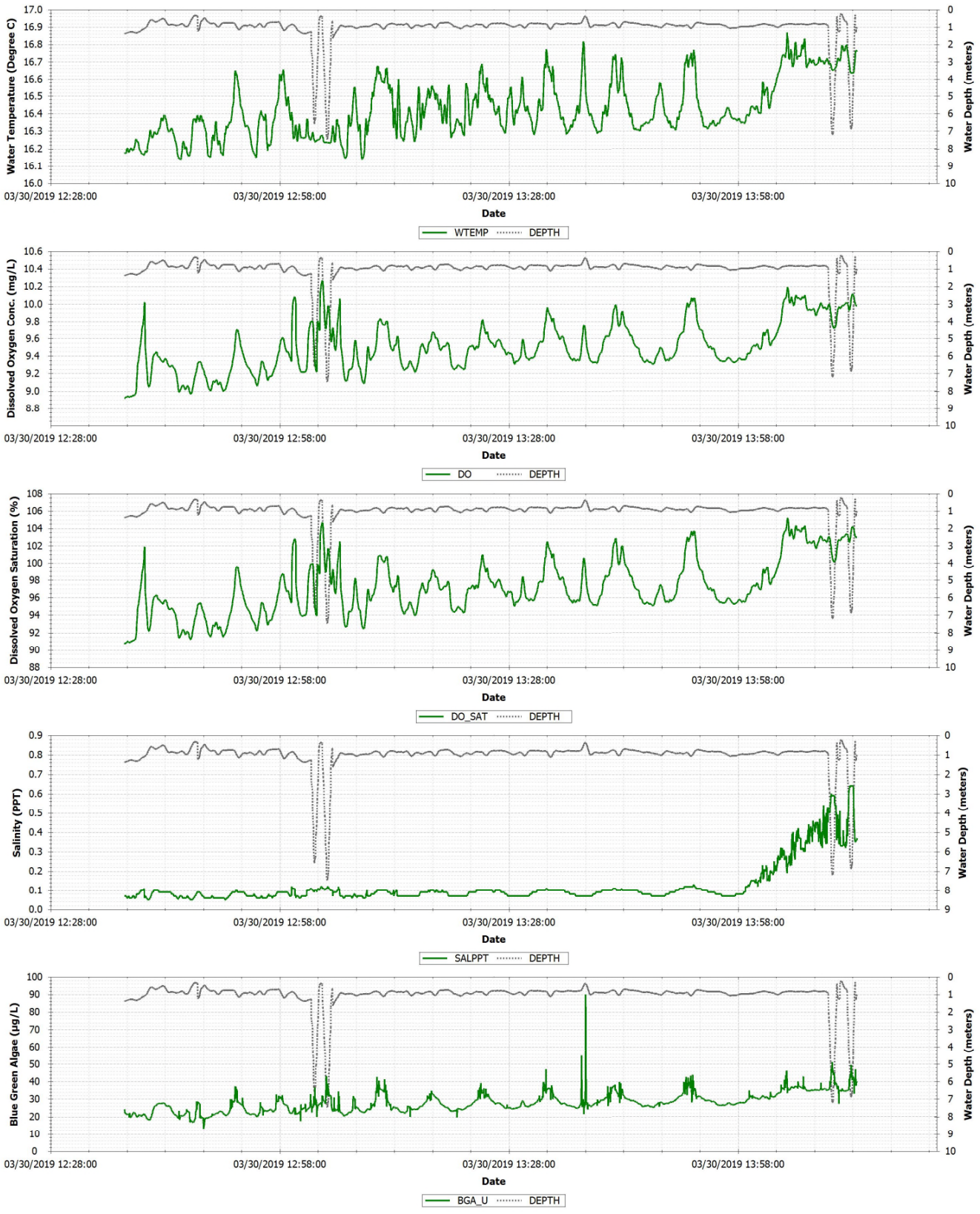


Figure C-121 Back River March 30, 2019 ebb tide traveling profile period 2 observations (LBR_033019_005)

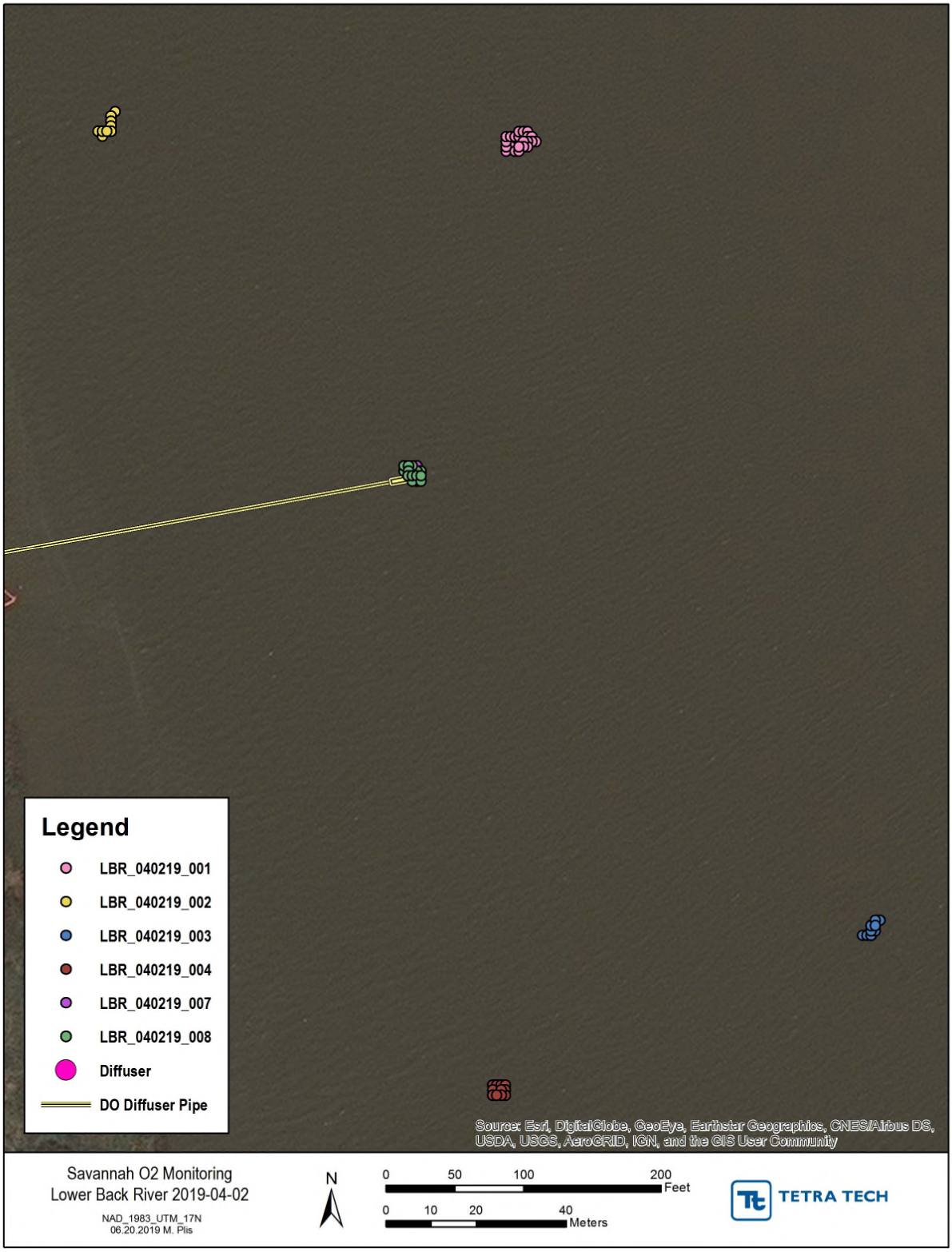


Figure C-122 Back River April 2, 2019 stationary profiles location map

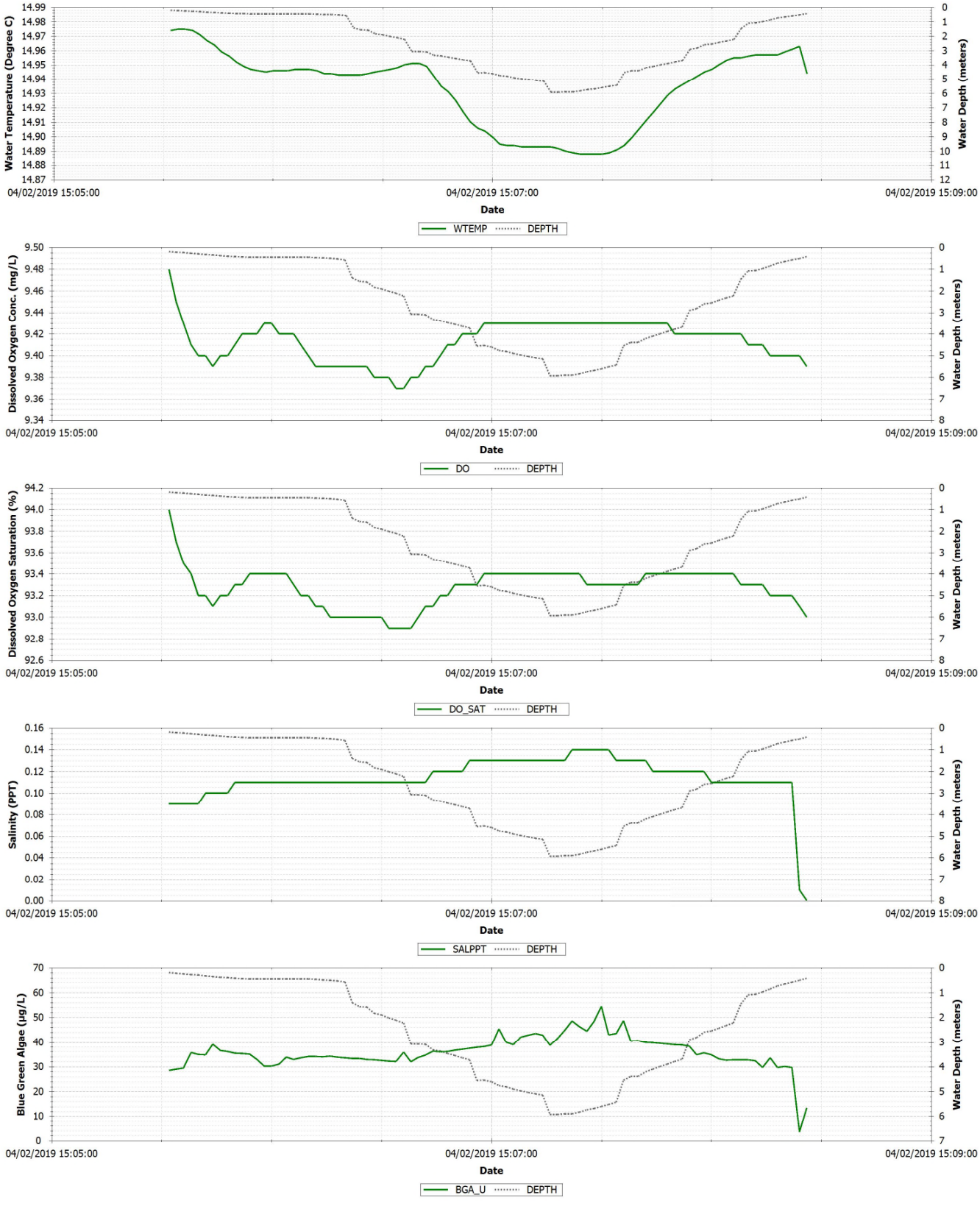


Figure C-123 Back River April 2, 2019 northeast buoy ebb tide stationary profile observations (LBR_040219_001)

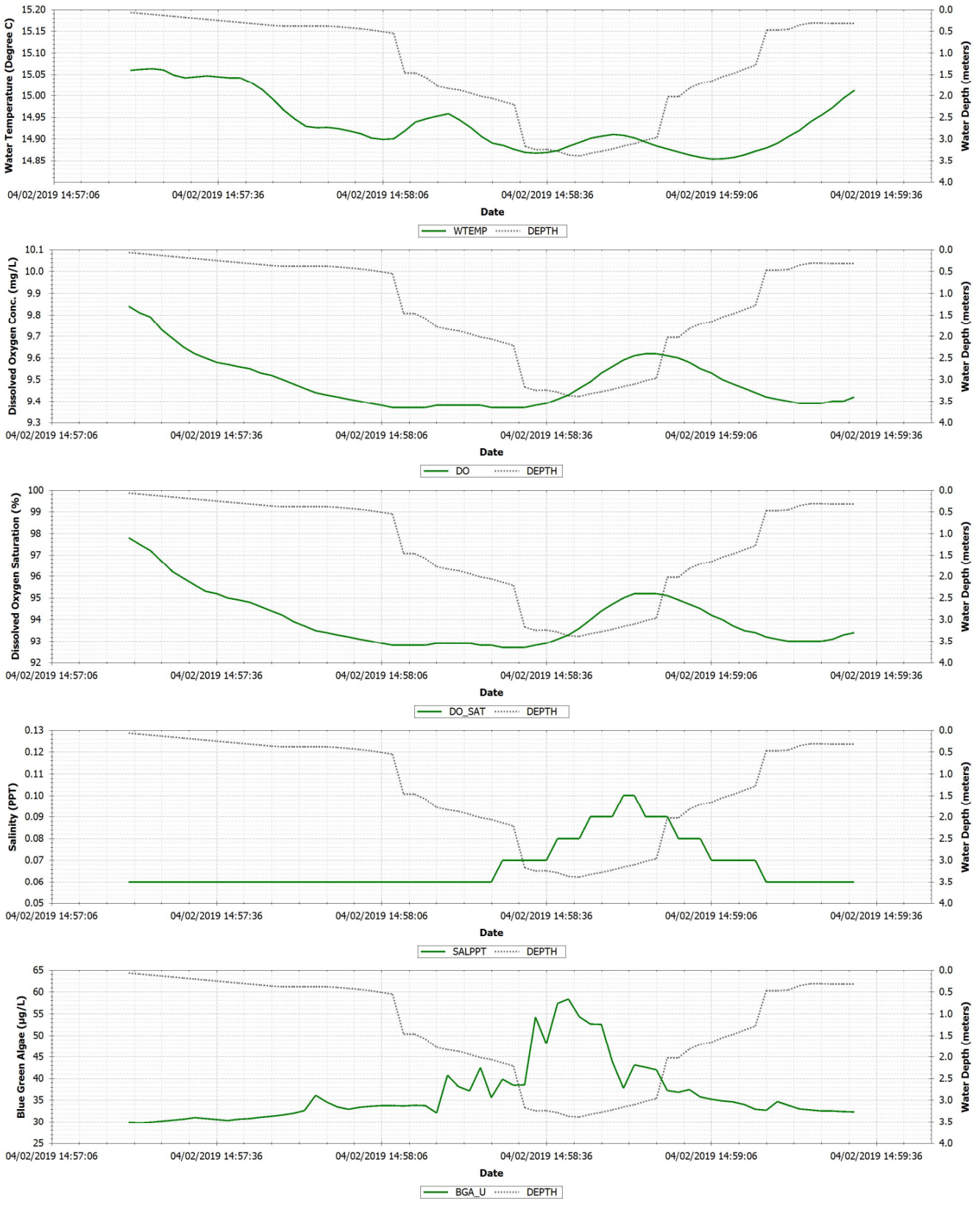


Figure C-124 Back River April 2, 2019 northwest buoy ebb tide stationary profile observations (LBR_040219_002)

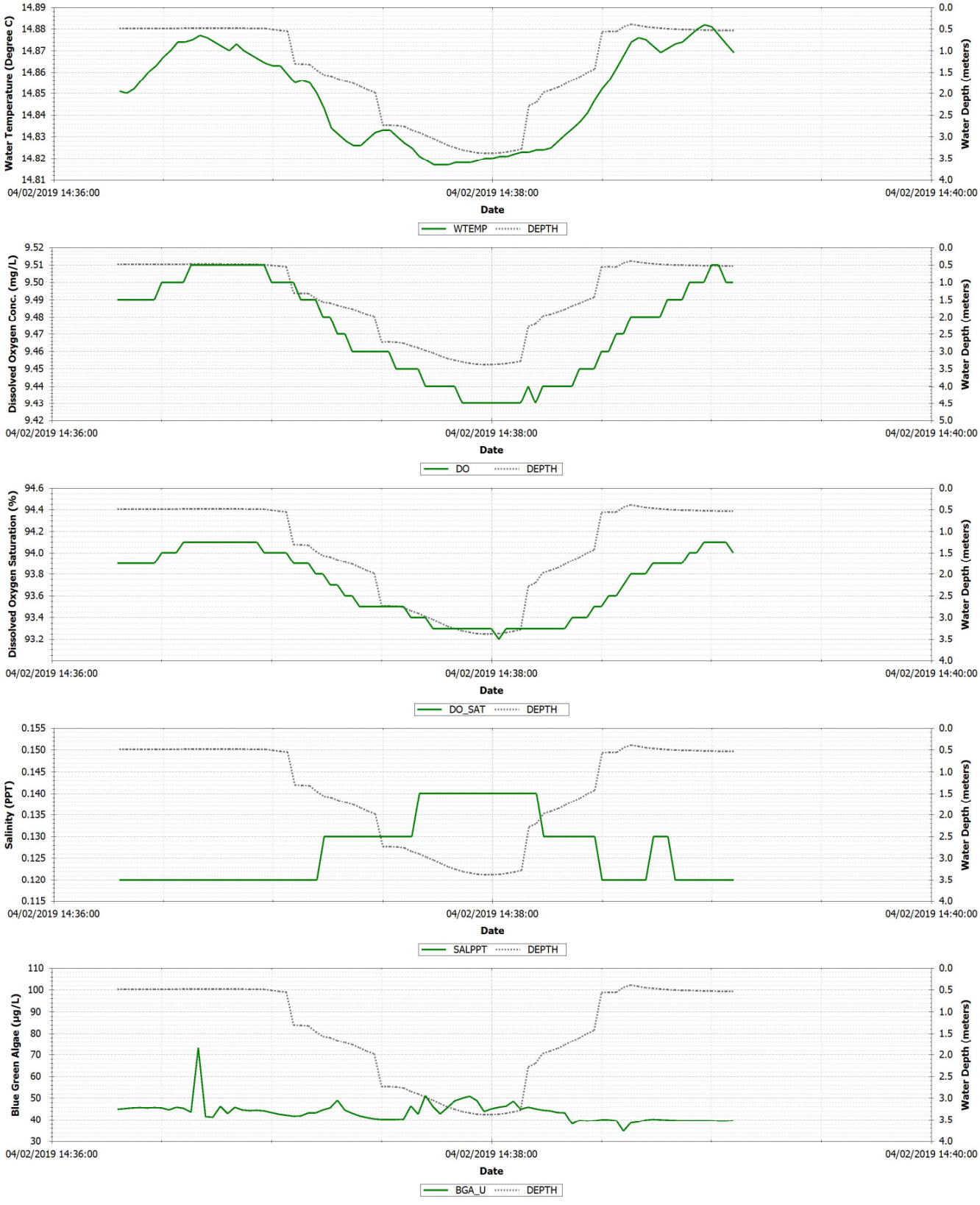


Figure C-125 Back River April 2, 2019 southeast buoy ebb tide stationary profile observations (LBR_040219_003)

Figure C-126 Back River April 2, 2019 southwest buoy ebb tide stationary profile observations (LBR_040219_004)

Figure C-127 Back River April 2, 2019 east platform ebb tide stationary profile observations (LBR_040219_007)

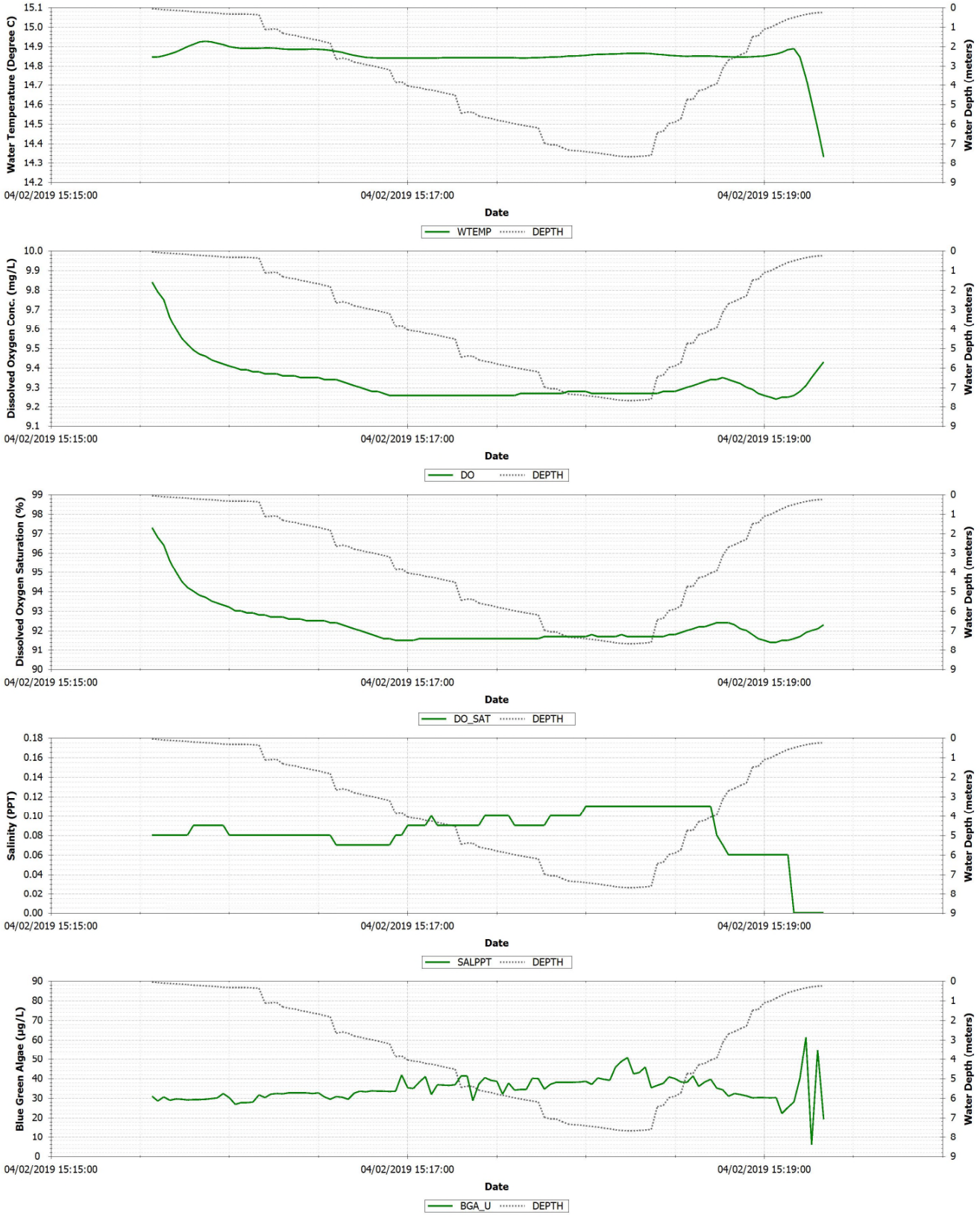


Figure C-128 Back River April 2, 2019 west platform ebb tide stationary profile observations (LBR_040219_008)

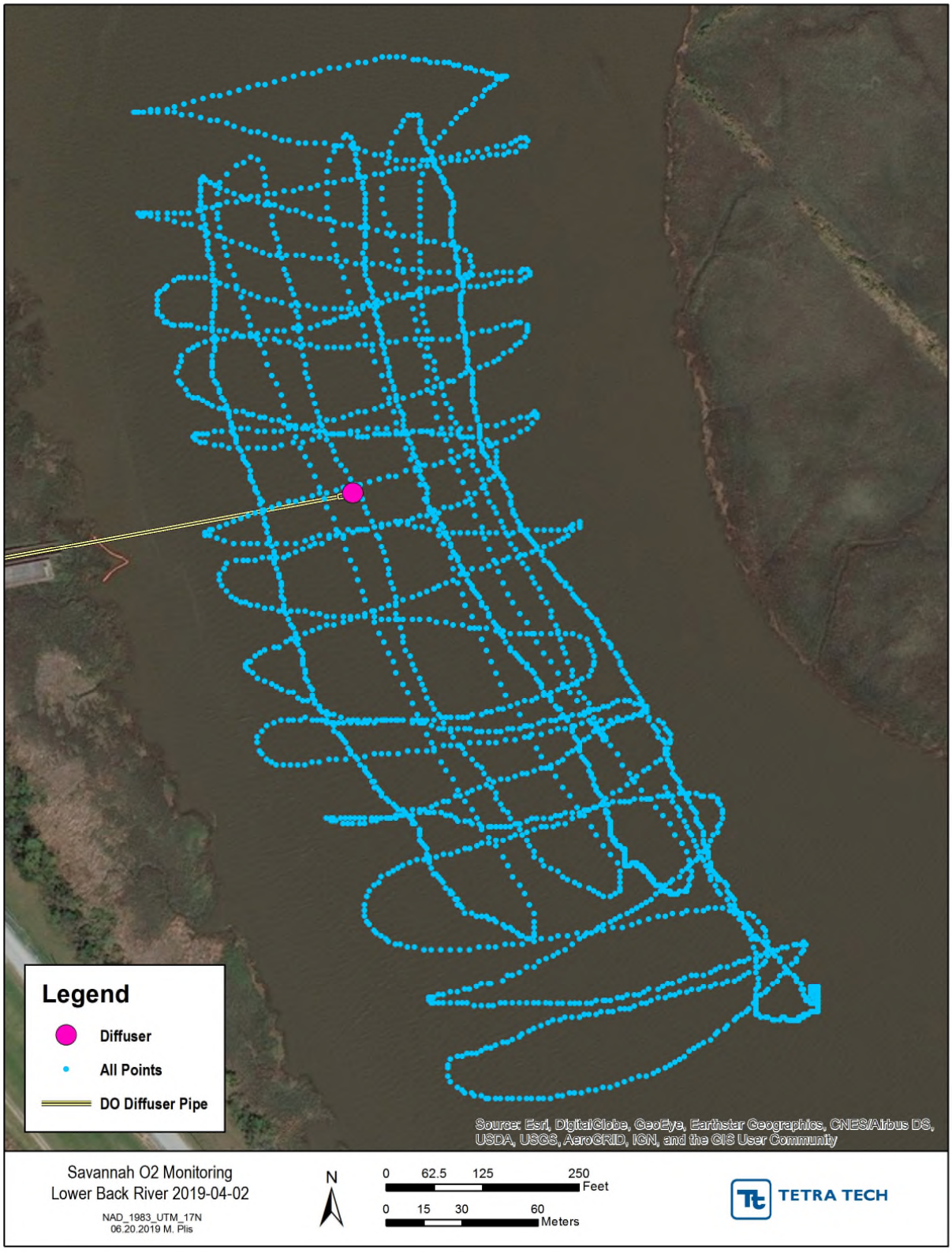


Figure C-129 Back River April 2, 2019 ebb tide traveling profile period 1 location map (LBR_040219_006)

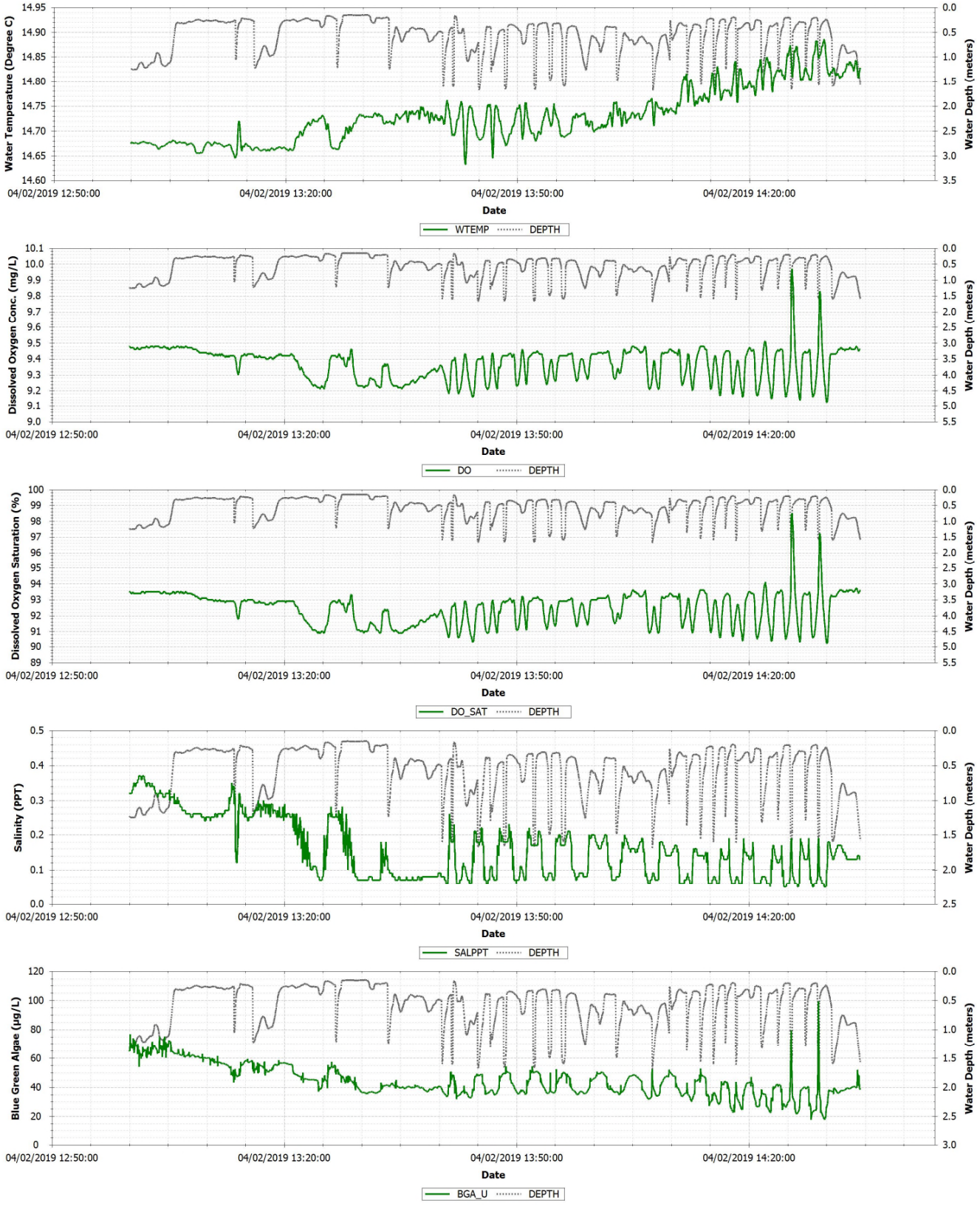


Figure C-130 Back River April 2, 2019 ebb tide traveling profile period 1 observations (LBR_040219_006)

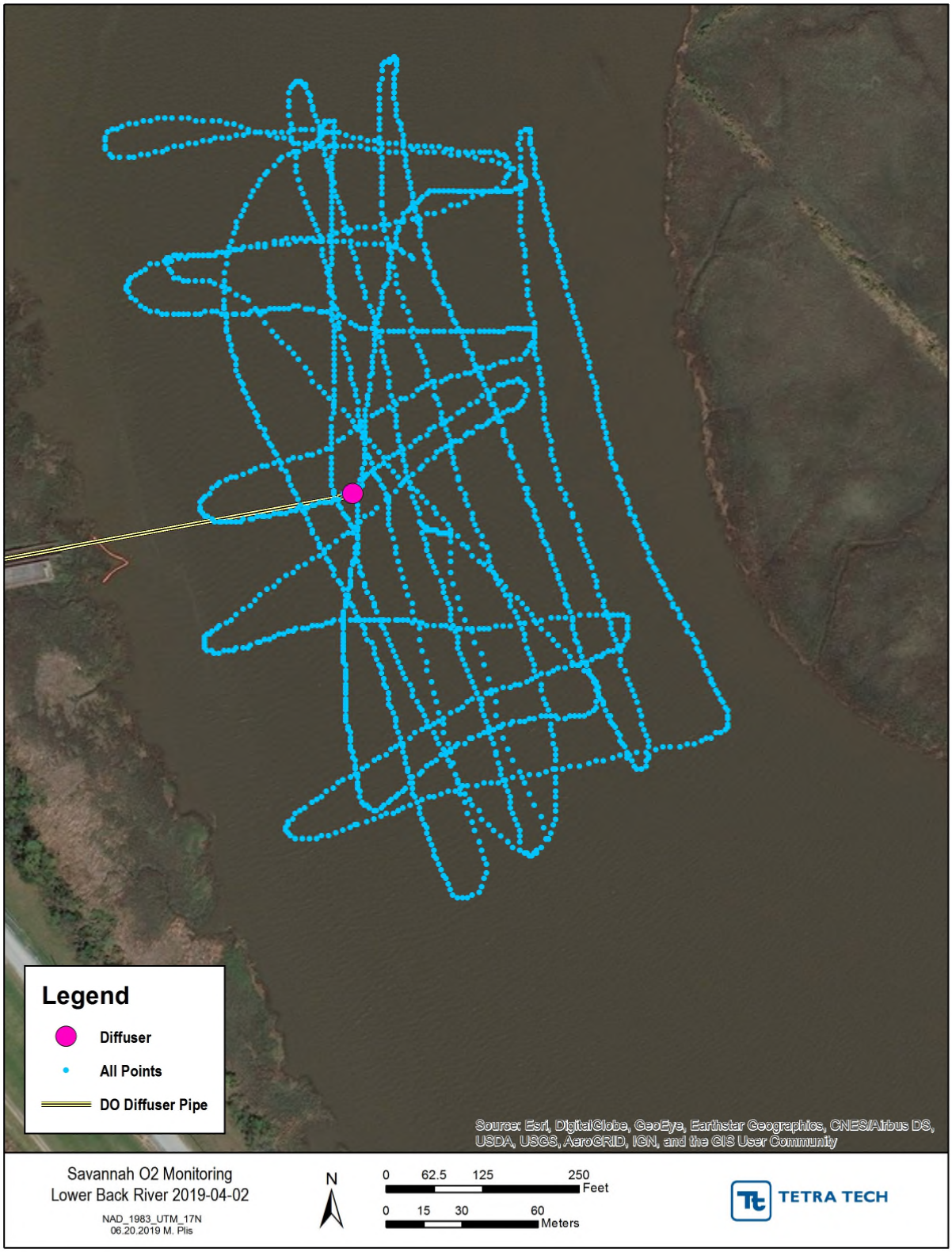


Figure C-131 Back River April 2, 2019 ebb tide traveling profile period 2 location map (LBR_040219_005)

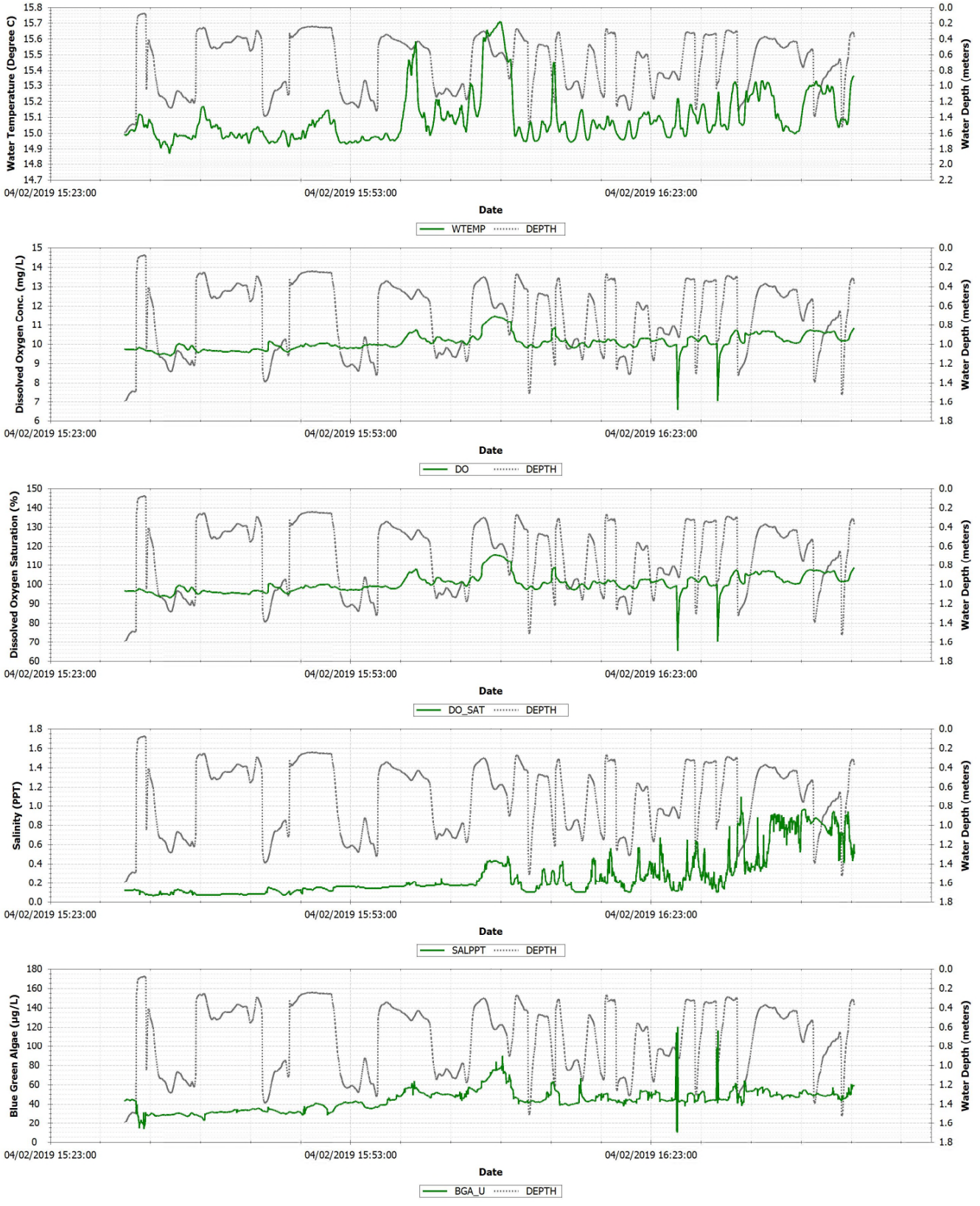


Figure C-132 Back River April 2, 2019 ebb tide traveling profile period 2 observations (LBR_040219_005)

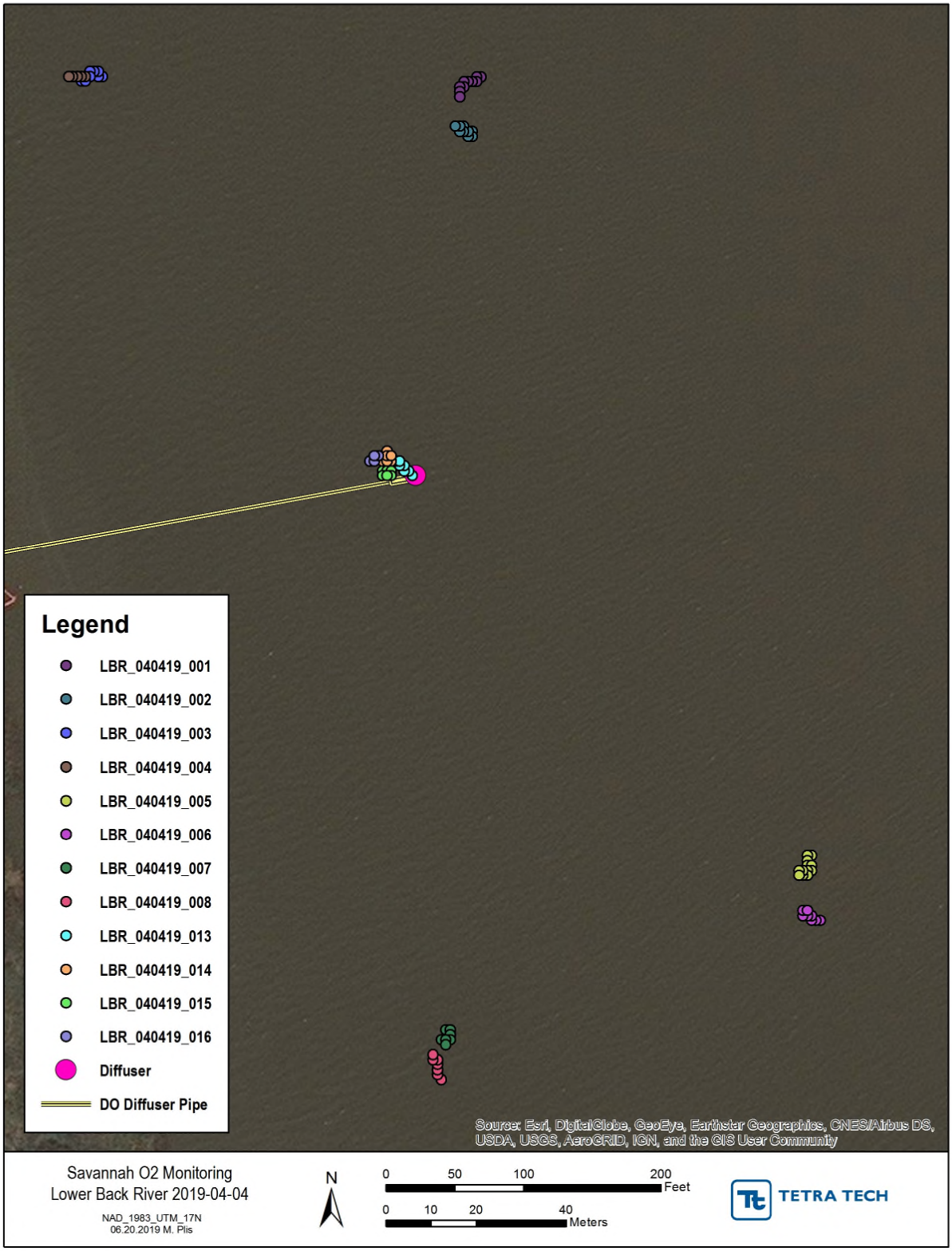


Figure C-133 Back River April 4, 2019 stationary profiles location map

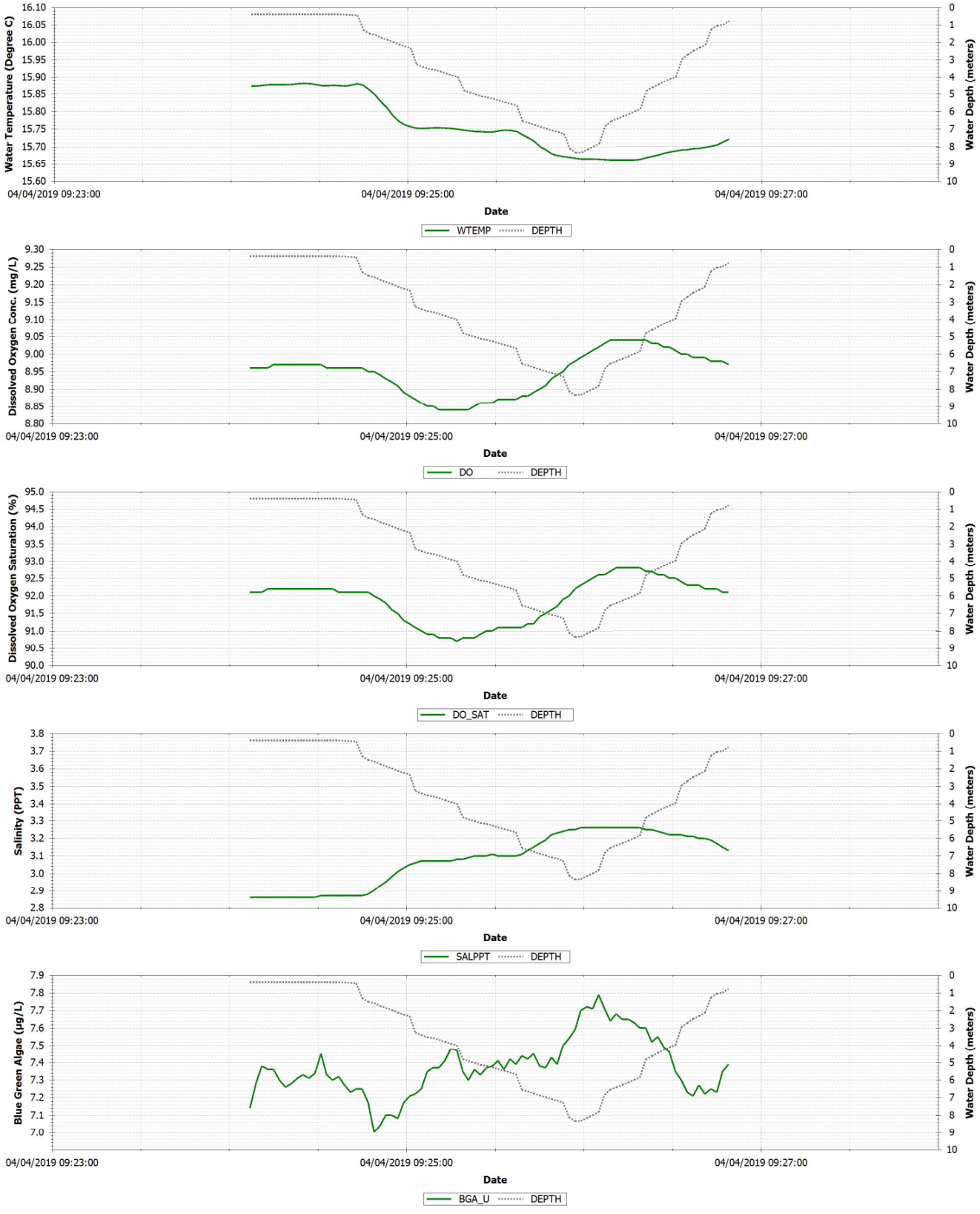


Figure C-134 Back River April 4, 2019 northeast buoy flood tide stationary profile observations (LBR_040419_001)

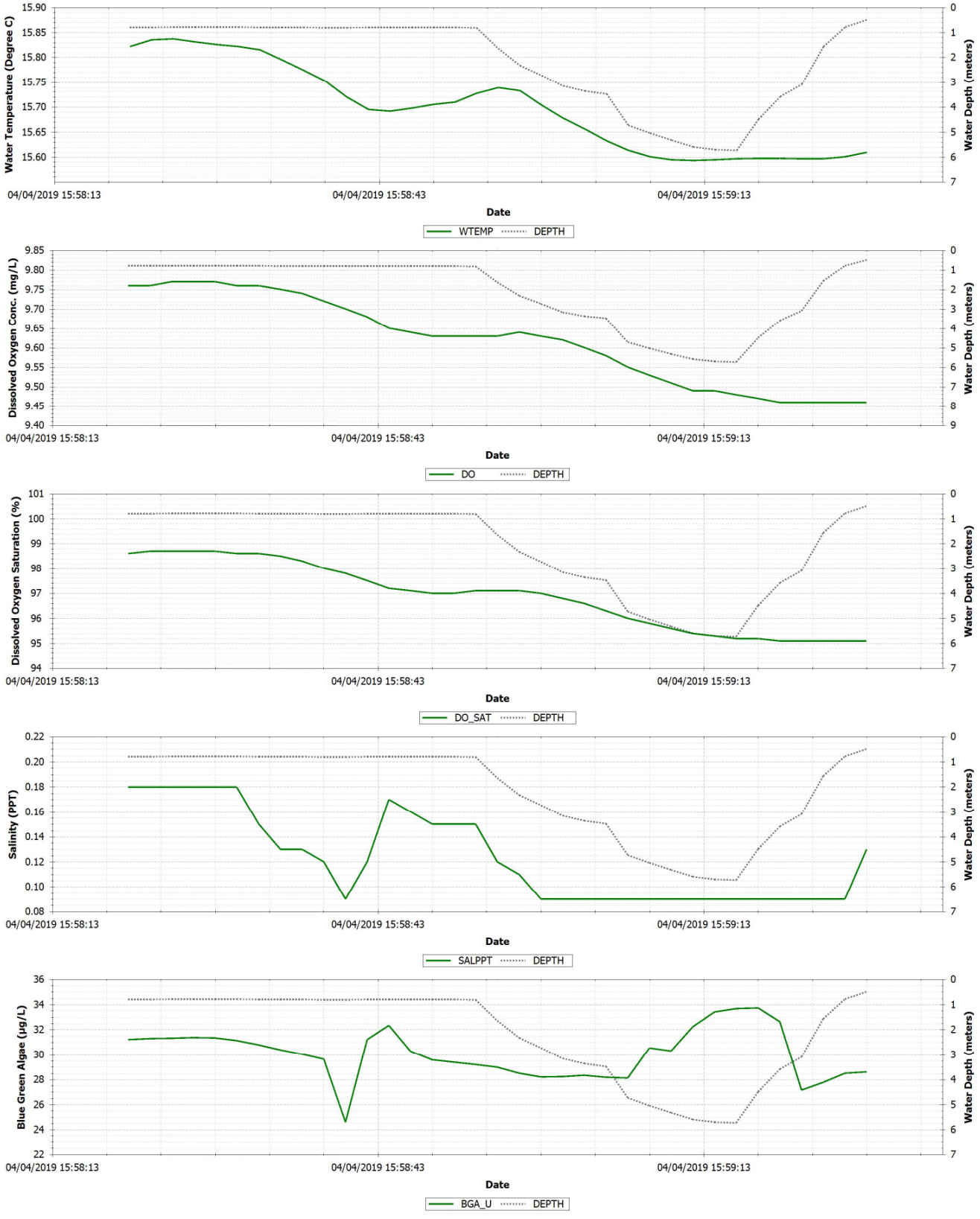


Figure C-135 Back River April 4, 2019 northeast buoy ebb tide stationary profile observations (LBR_040419_002)

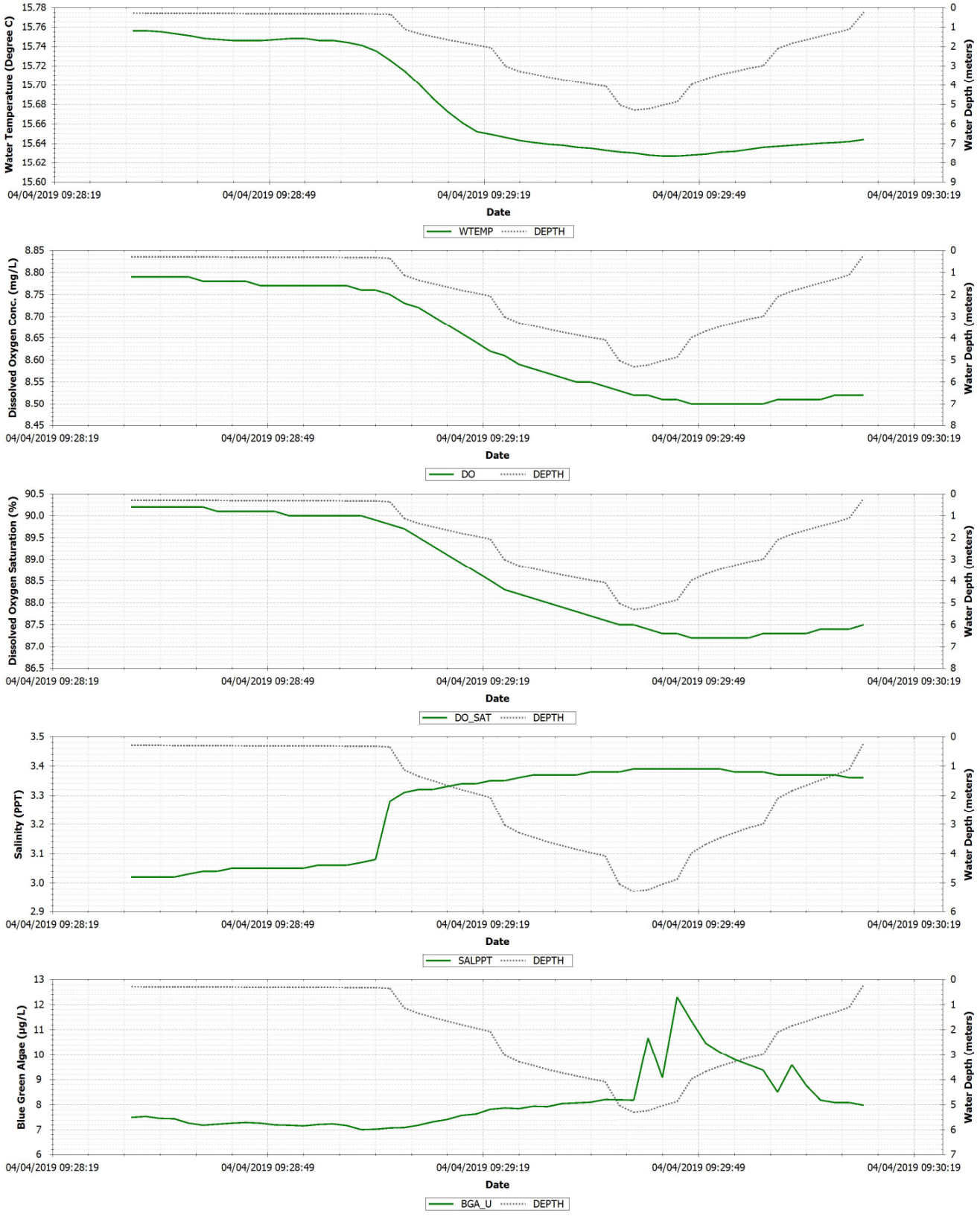


Figure C-136 Back River April 4, 2019 northwest buoy flood tide stationary profile observations (LBR_040419_003)

Figure C-137 Back River April 4, 2019 northwest buoy ebb tide stationary profile observations (LBR_040419_004)

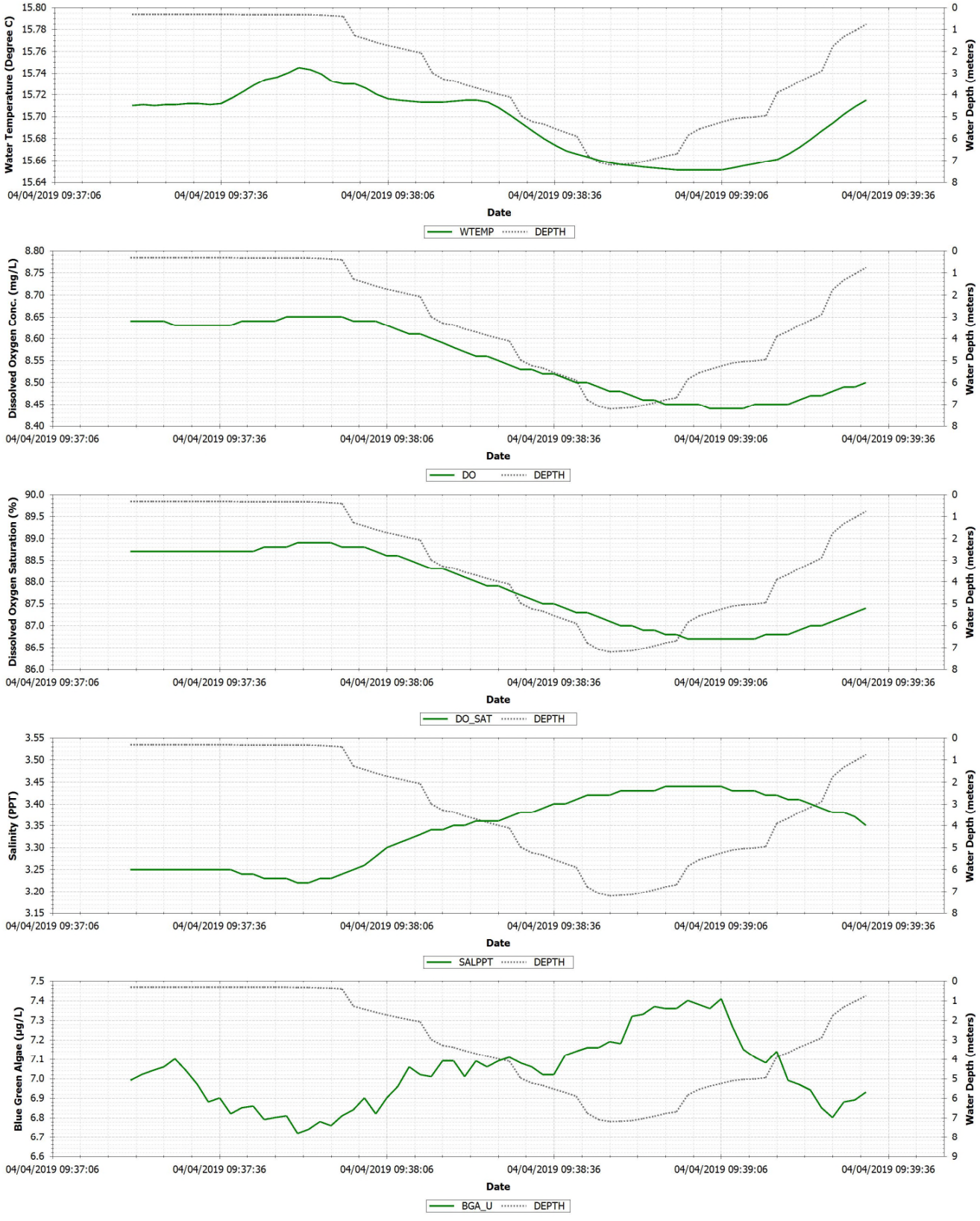


Figure C-138 Back River April 4, 2019 southeast buoy flood tide stationary profile observations (LBR_040419_005)

Figure C-139 Back River April 4, 2019 southeast buoy ebb tide stationary profile observations (LBR_040419_006)

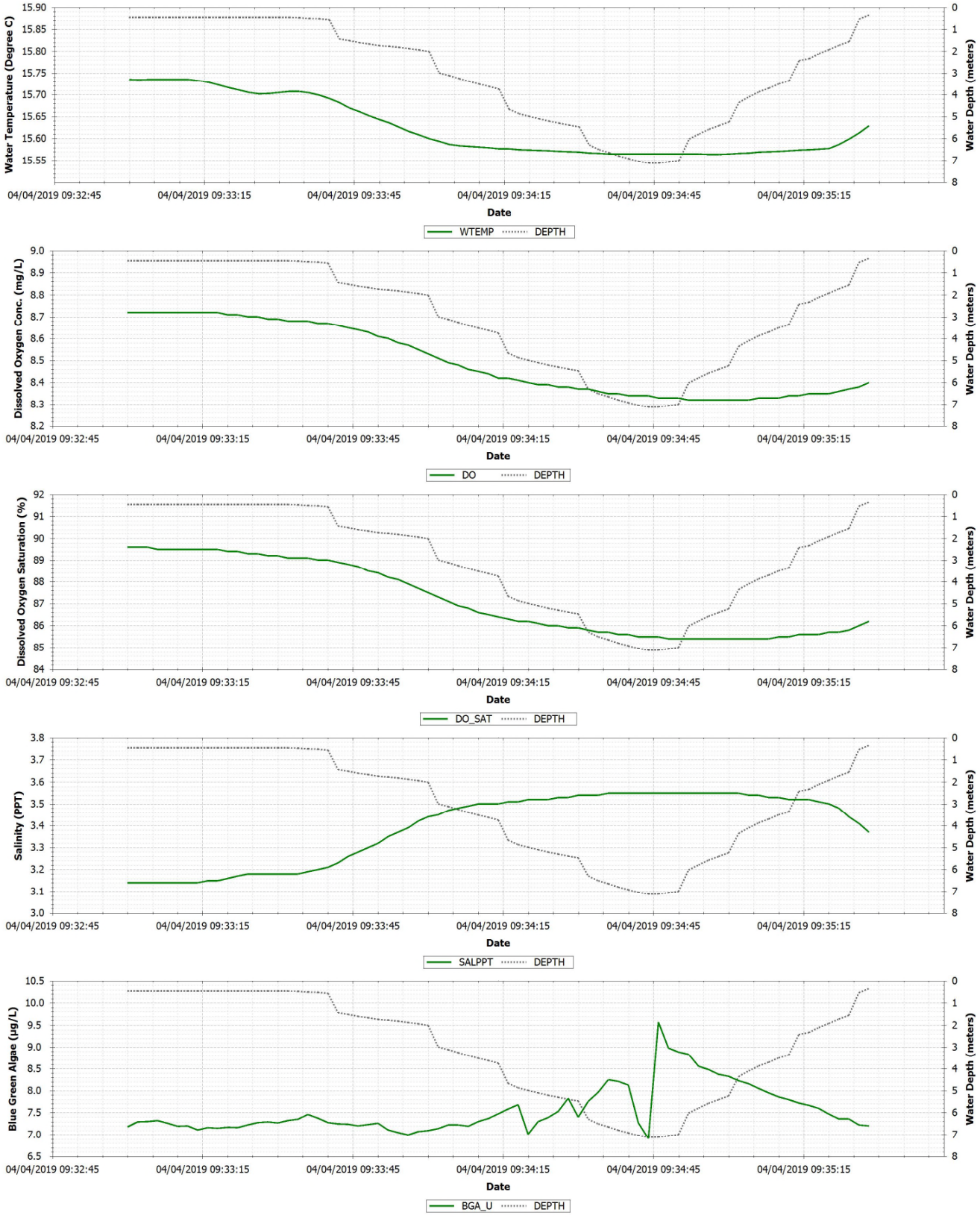


Figure C-140 Back River April 4, 2019 southwest buoy flood tide stationary profile observations (LBR_040419_007)

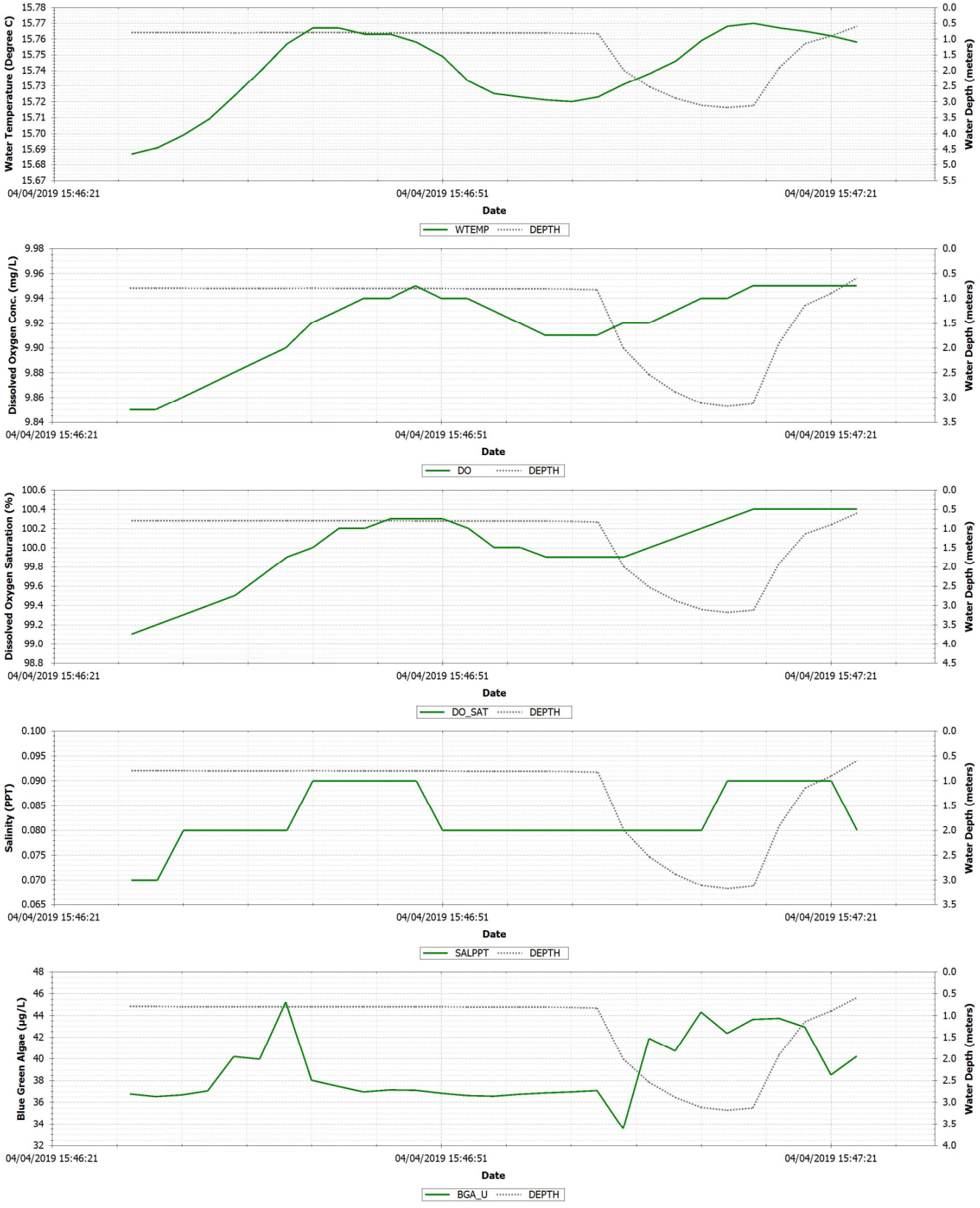


Figure C-141 Back River April 4, 2019 southwest buoy ebb tide stationary profile observations (LBR_040419_008)

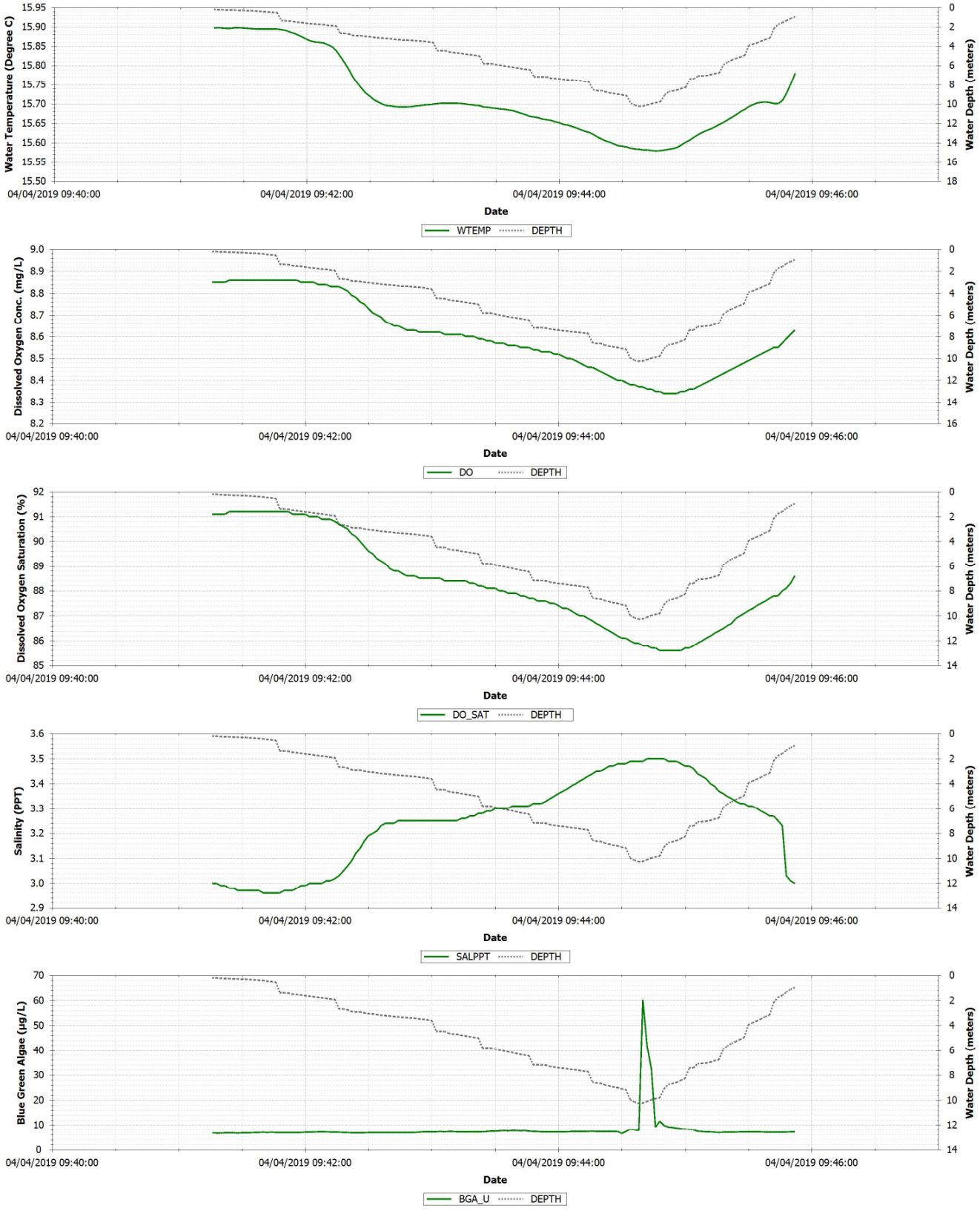


Figure C-142 Back River April 4, 2019 east platform flood tide stationary profile observations (LBR_040419_013)

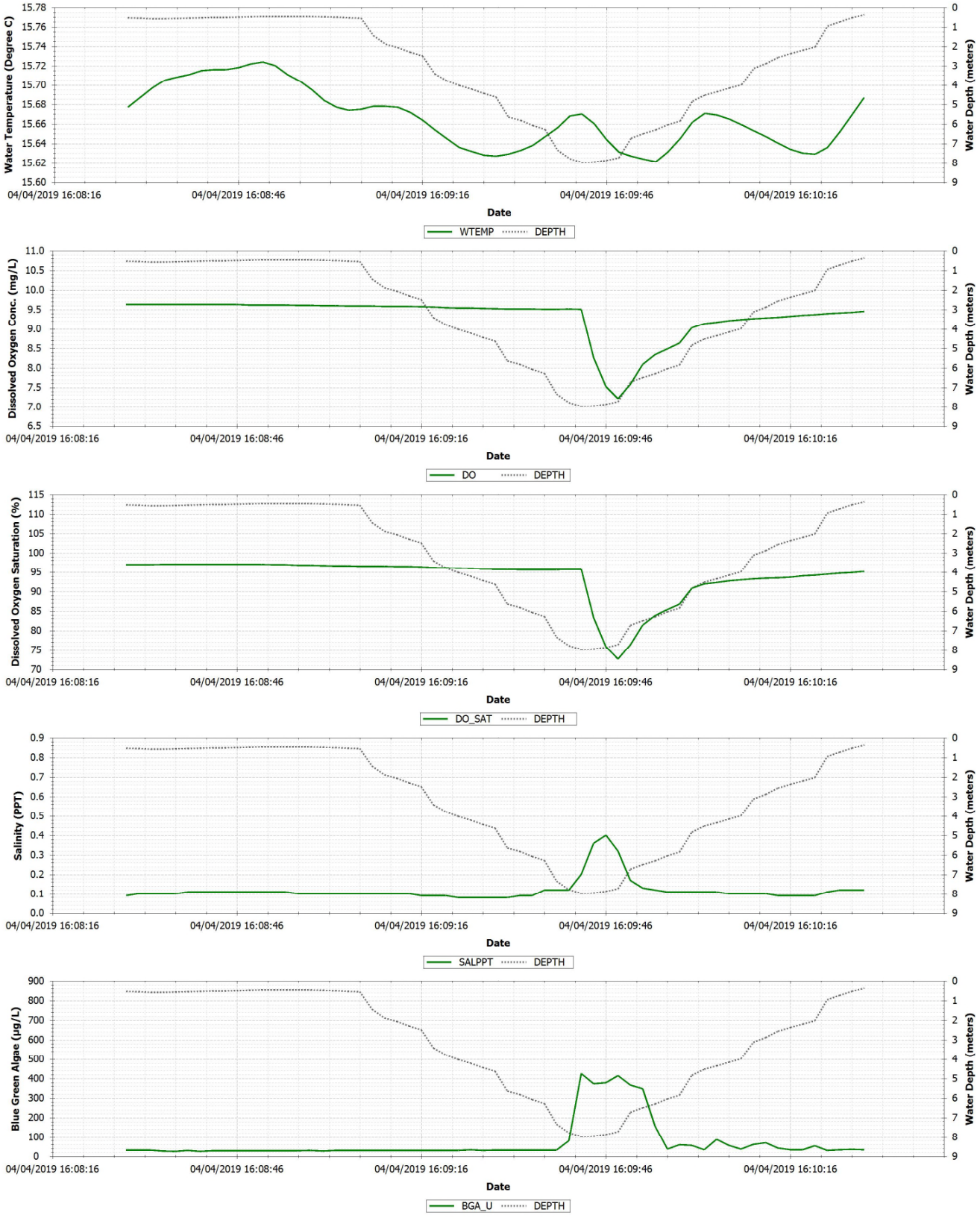


Figure C-143 Back River April 4, 2019 east platform ebb tide stationary profile observations (LBR_040419_014)

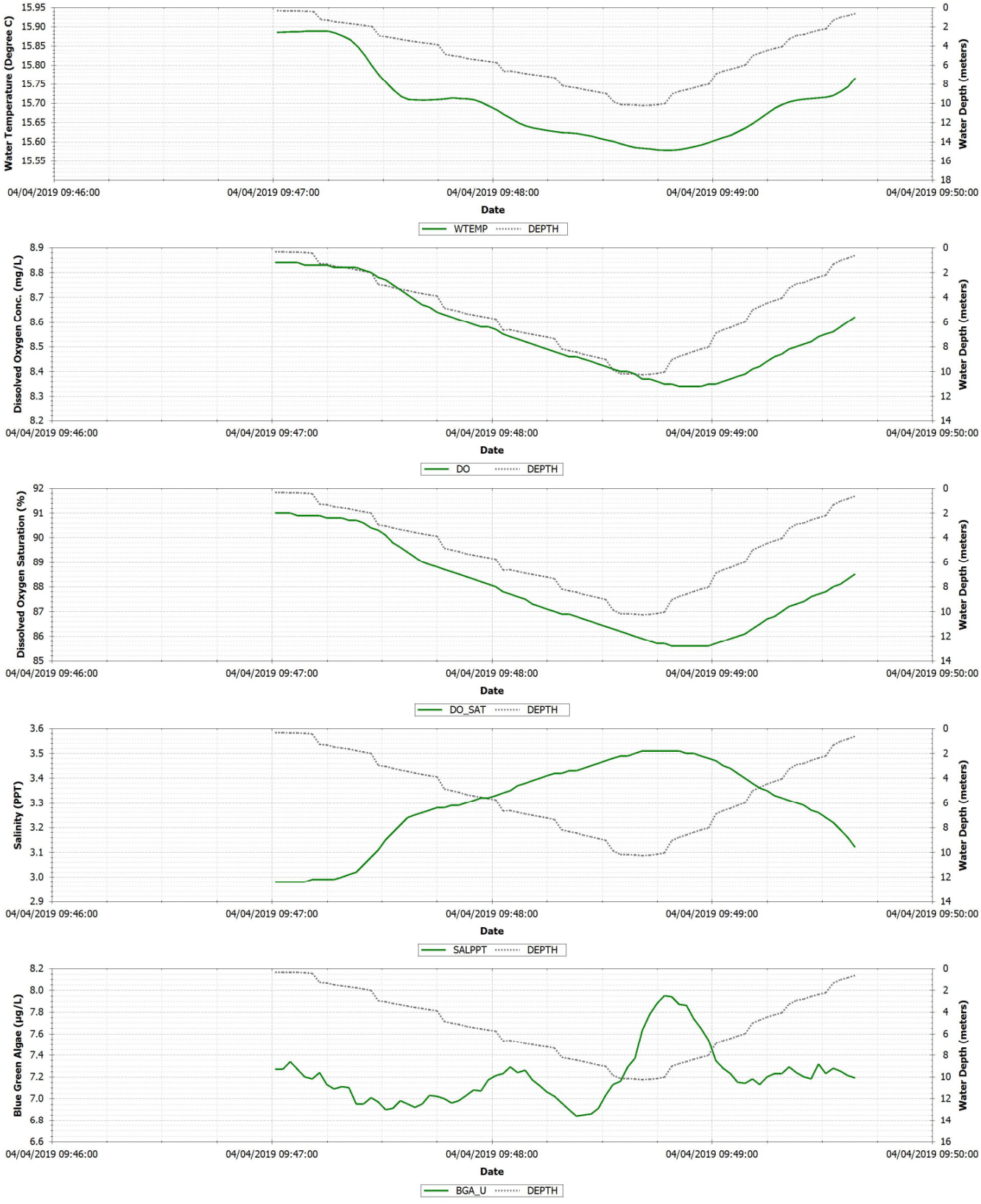


Figure C-144 Back River April 4, 2019 west platform flood tide stationary profile observations (LBR_040419_015)

Figure C-145 Back River April 4, 2019 west platform ebb tide stationary profile observations (LBR_040419_016)

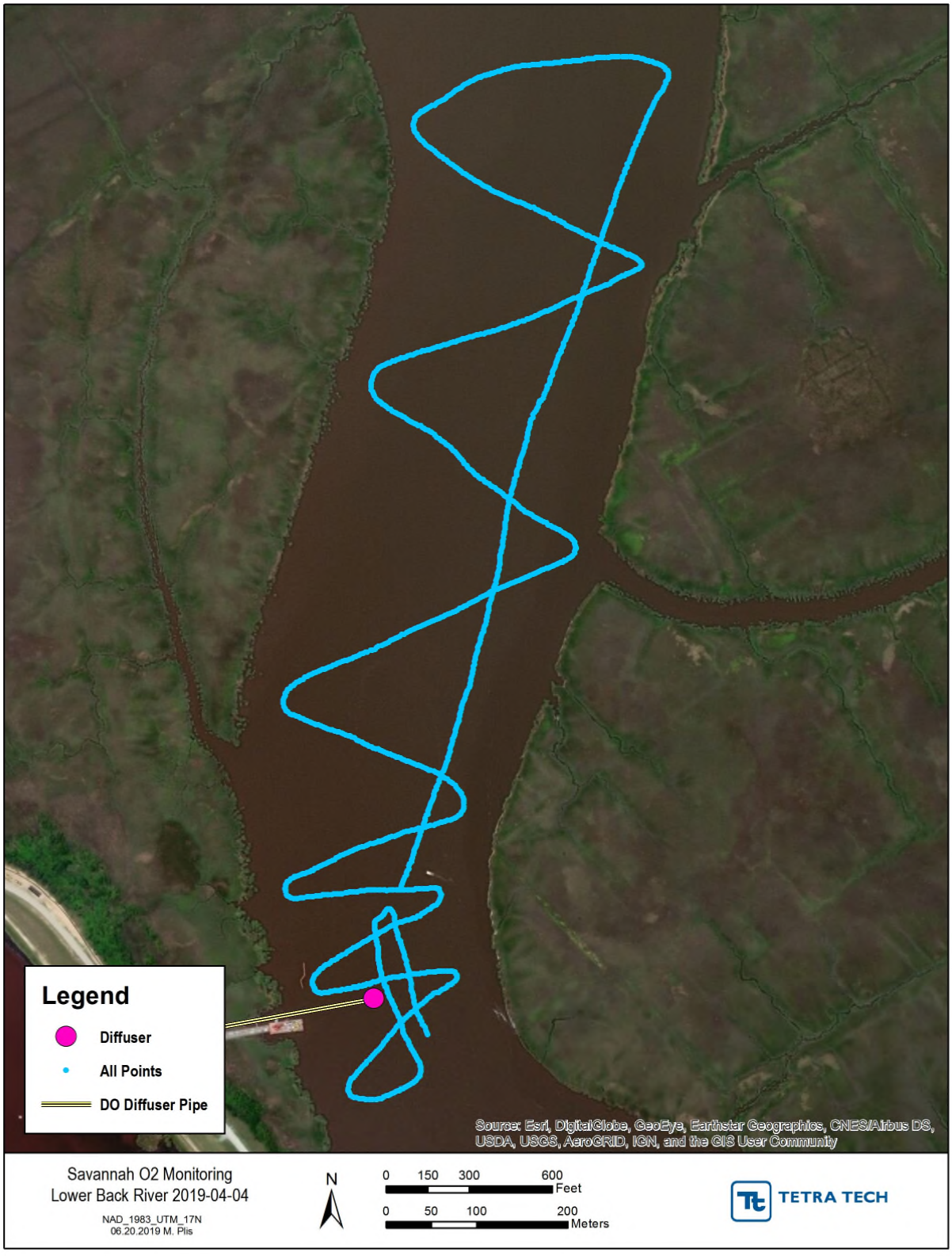


Figure C-146 Back River April 4, 2019 flood tide traveling profile period 1 location map (LBR_040419_010)

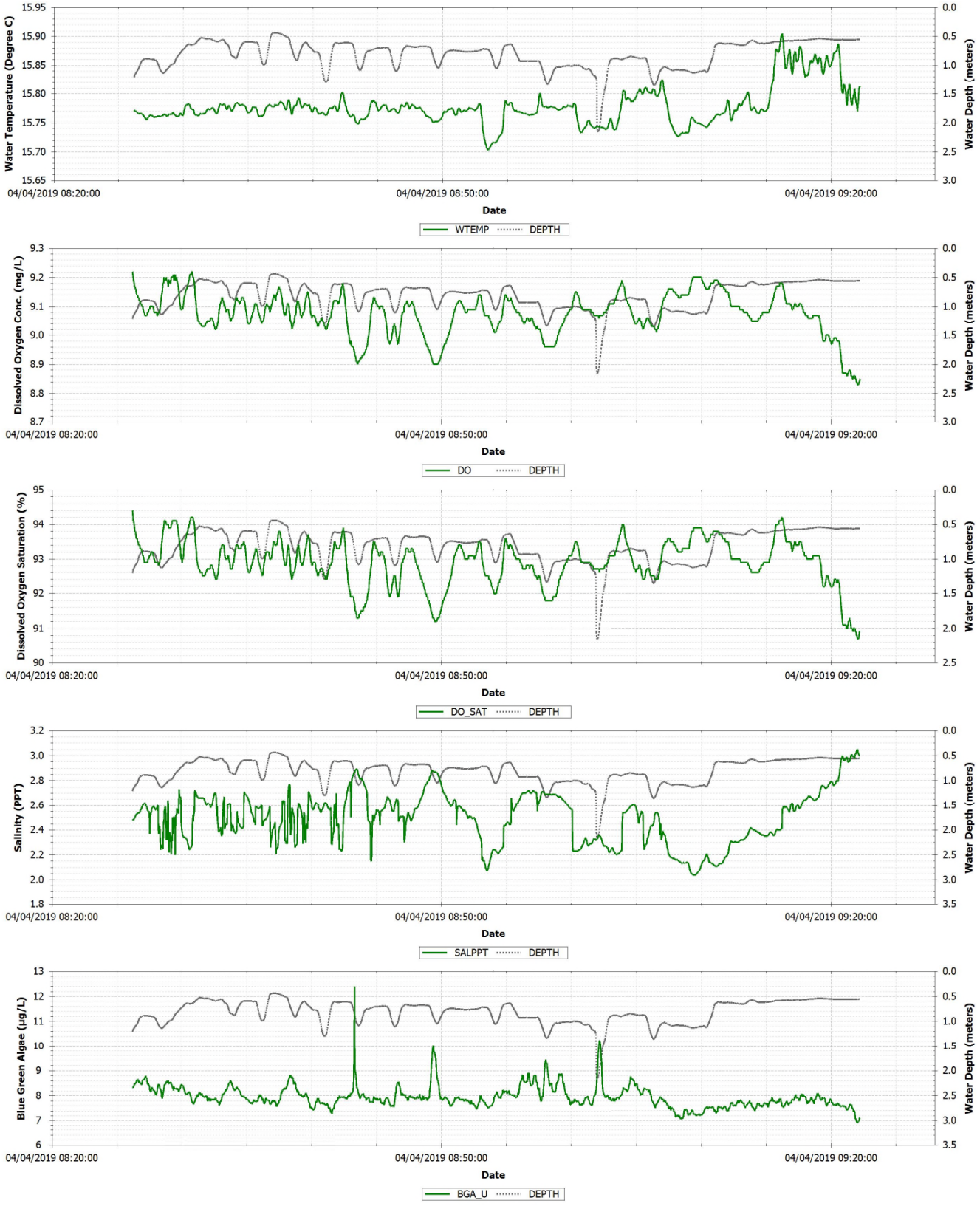


Figure C-147 Back River April 4, 2019 flood tide traveling profile period 1 observations (LBR_040419_010)

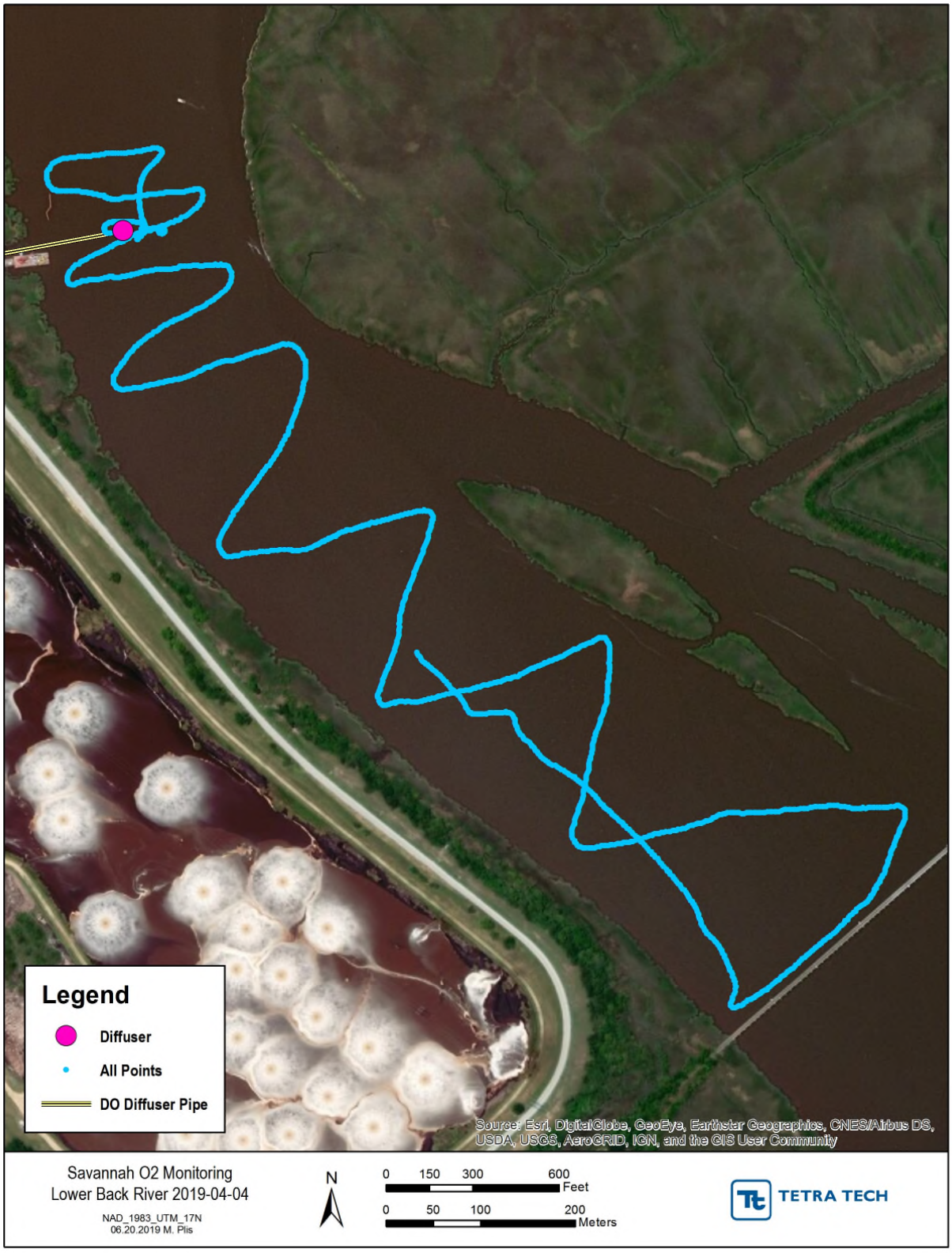


Figure C-148 Back River April 4, 2019 flood tide traveling profile period 2 location map (LBR_040419_009)

Figure C-149 Back River April 4, 2019 flood tide traveling profile period 2 observations (LBR_040419_009)

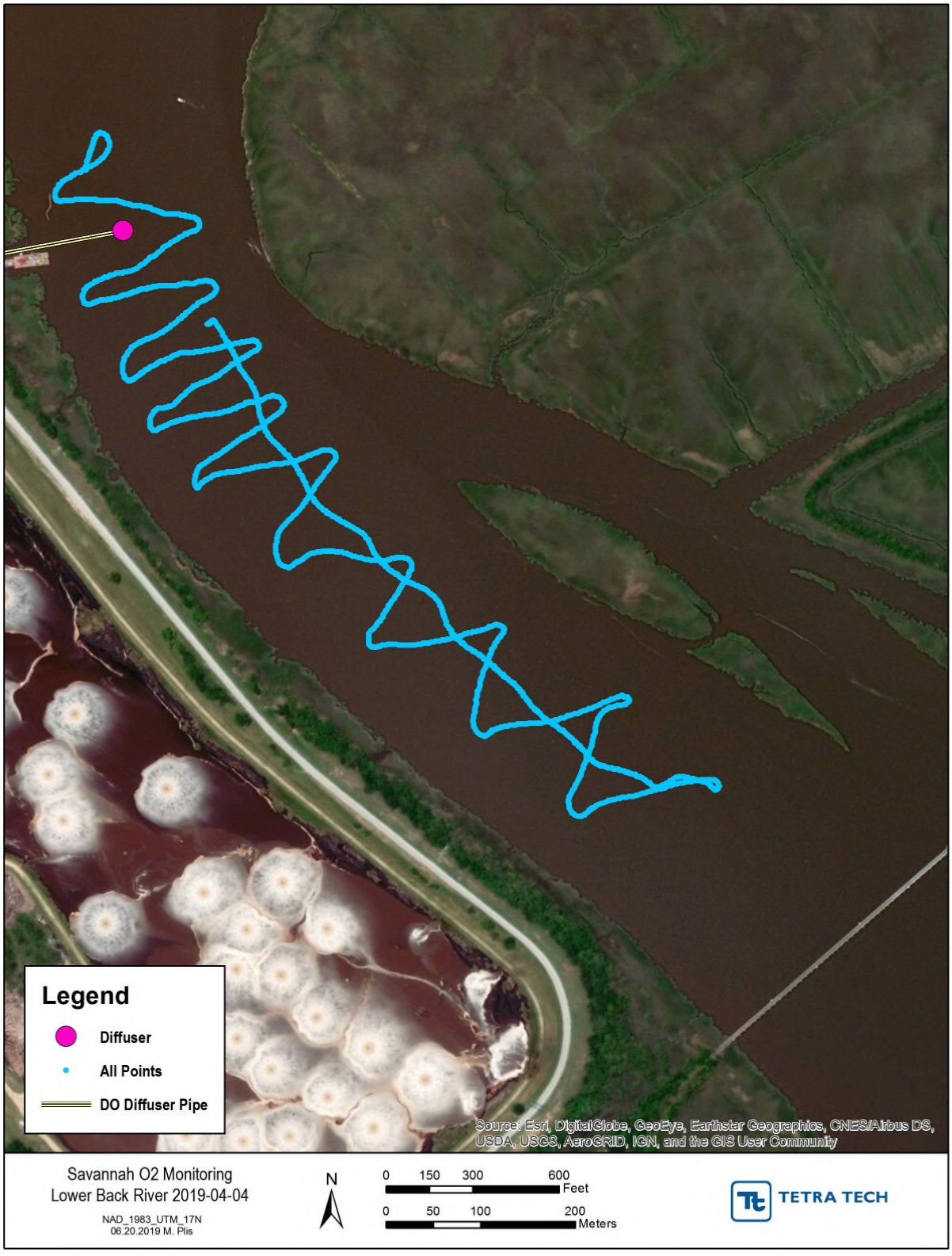


Figure C-150 Back River April 4, 2019 ebb tide traveling profile period 1 location map (LBR_040419_012)

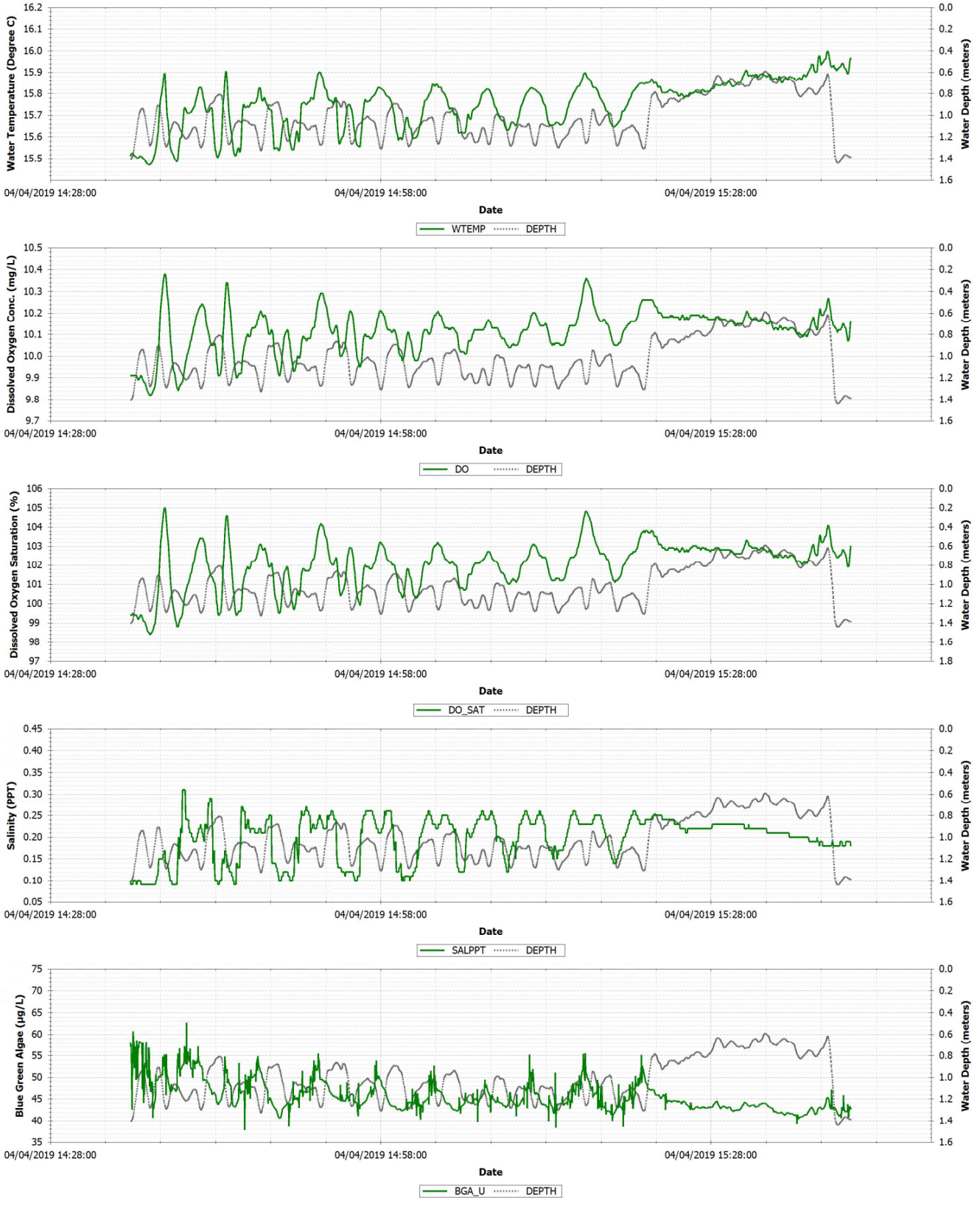


Figure C-151 Back River April 4, 2019 ebb tide traveling profile period 1 observations (LBR_040419_012)

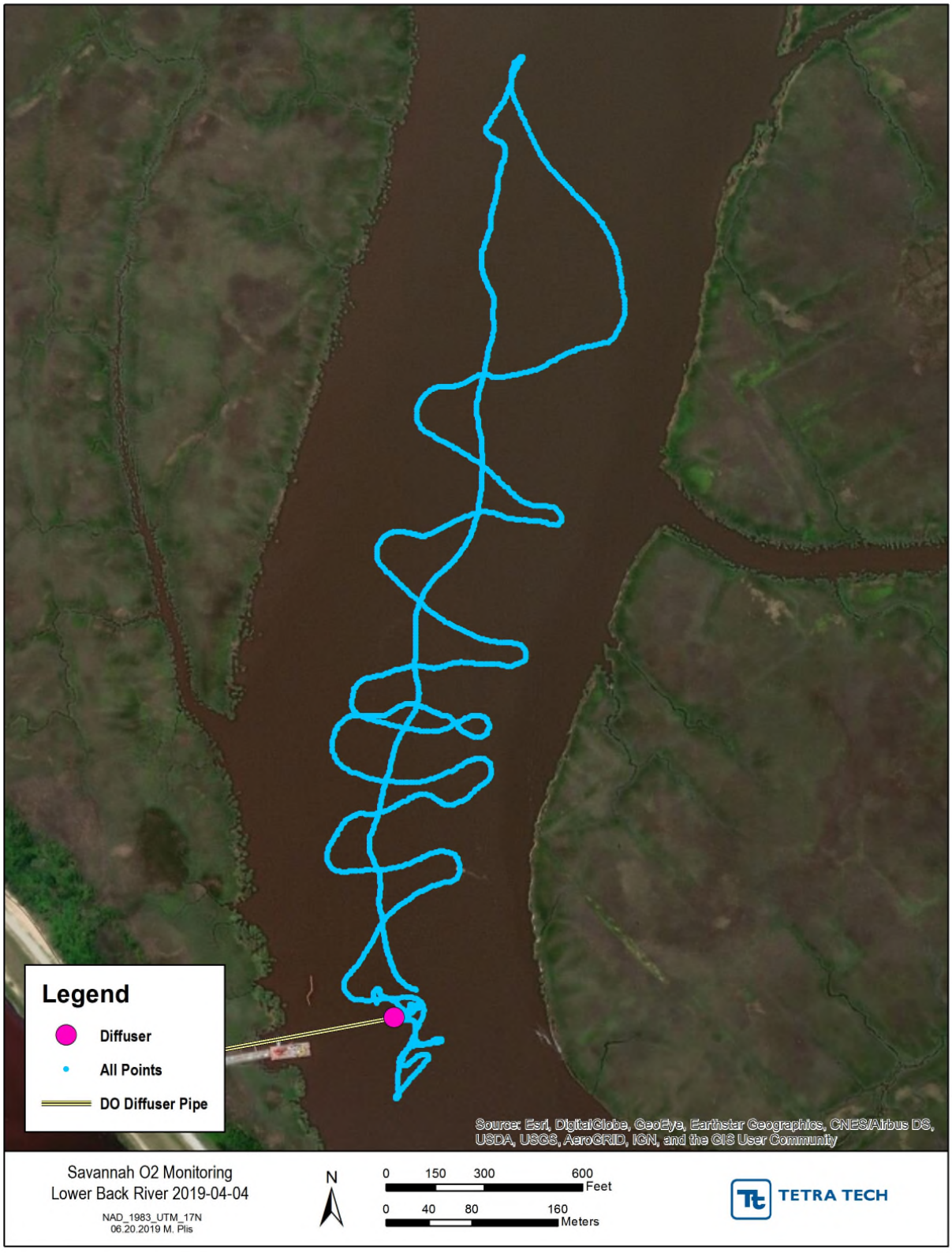


Figure C-152 Back River April 4, 2019 ebb tide traveling profile period 2 location map (LBR_040419_011)

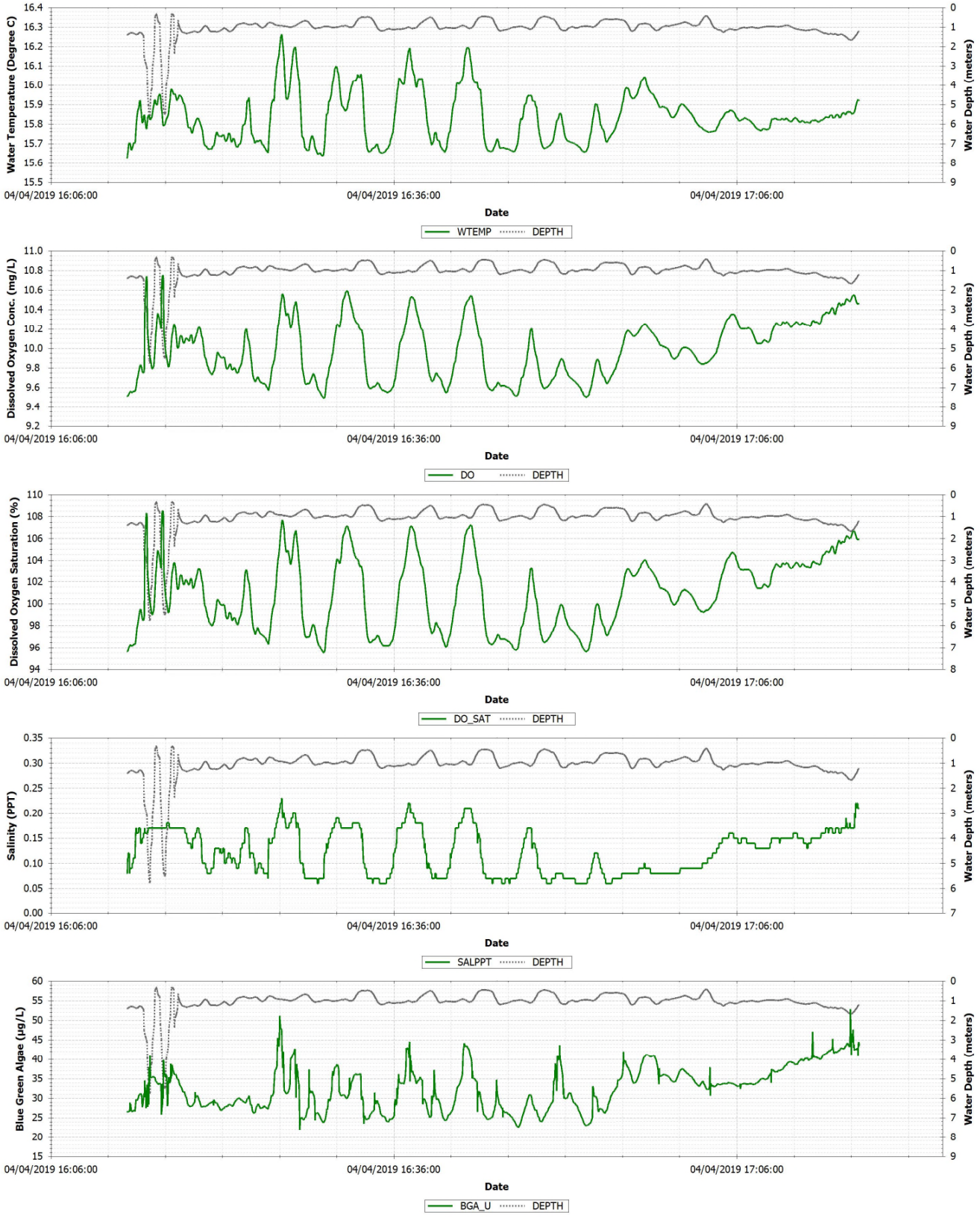


Figure C-153 Back River April 4, 2019 ebb tide traveling profile period 2 observations (LBR_040419_011)

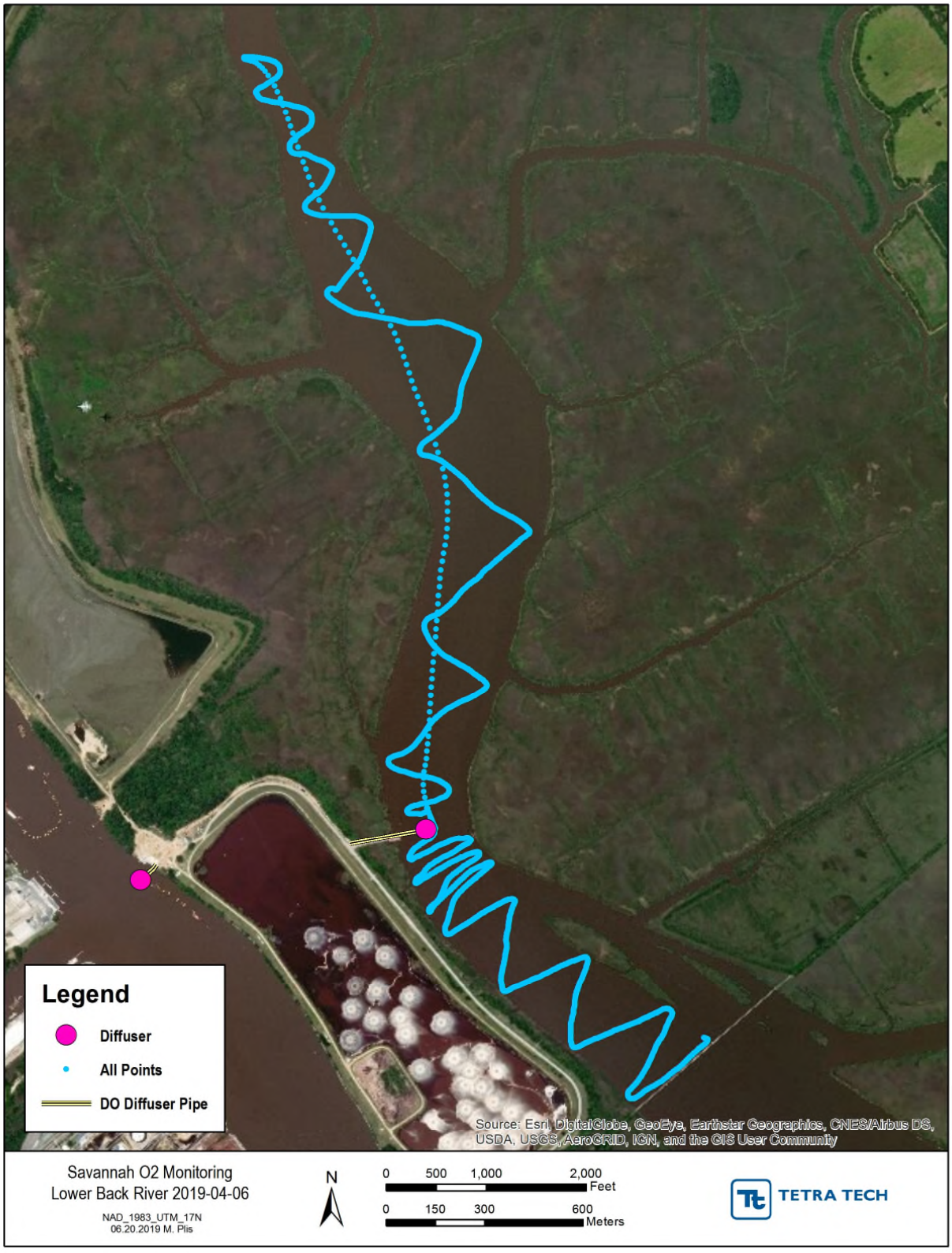
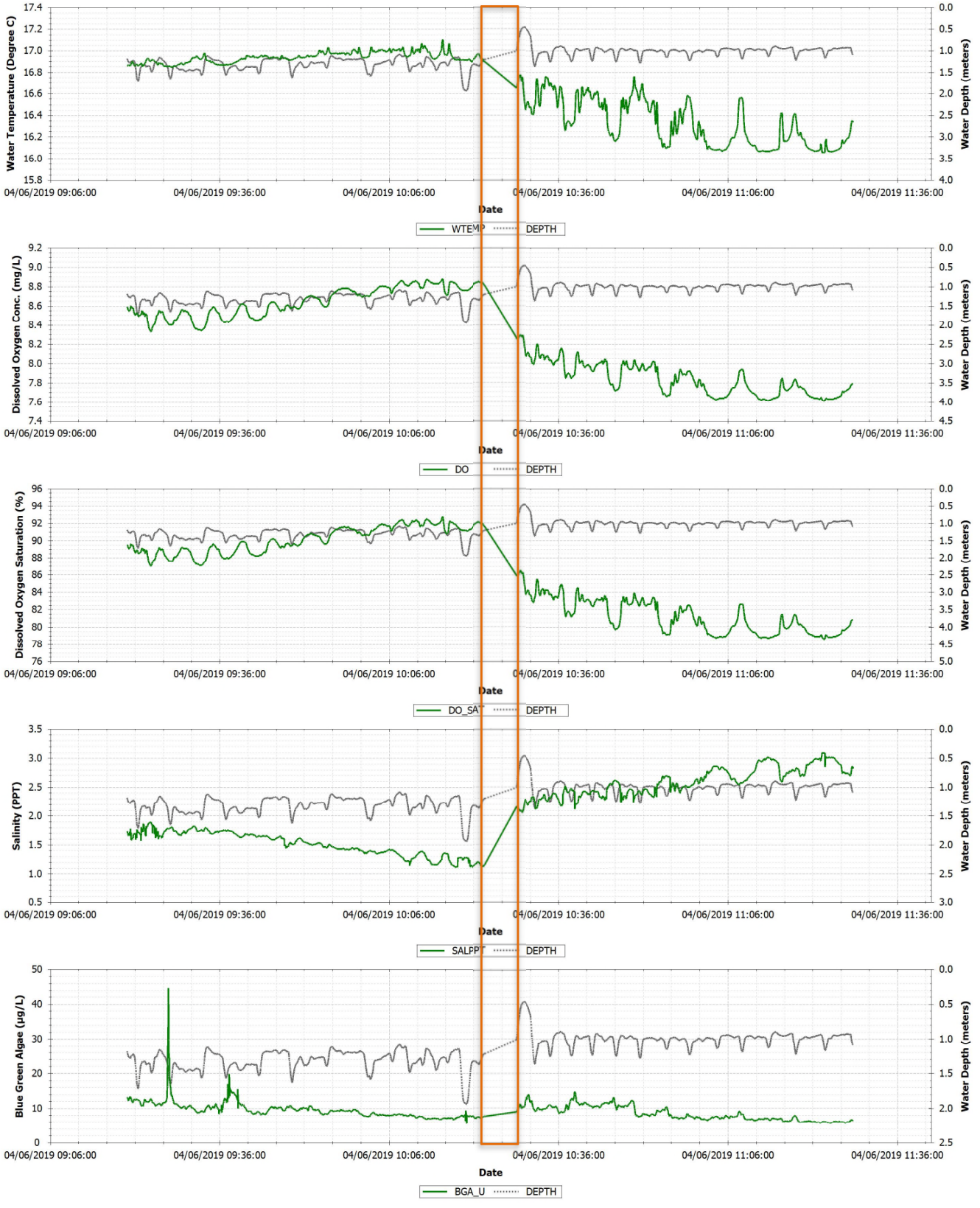


Figure C-154 Back River April 6, 2019 flood tide traveling profile location map (LBR_040619_001)



Note Orange box identifies period of data removed during QAQC process

Figure C-155 Back River April 6, 2019 flood tide traveling profile observations (LBR_040619_001)

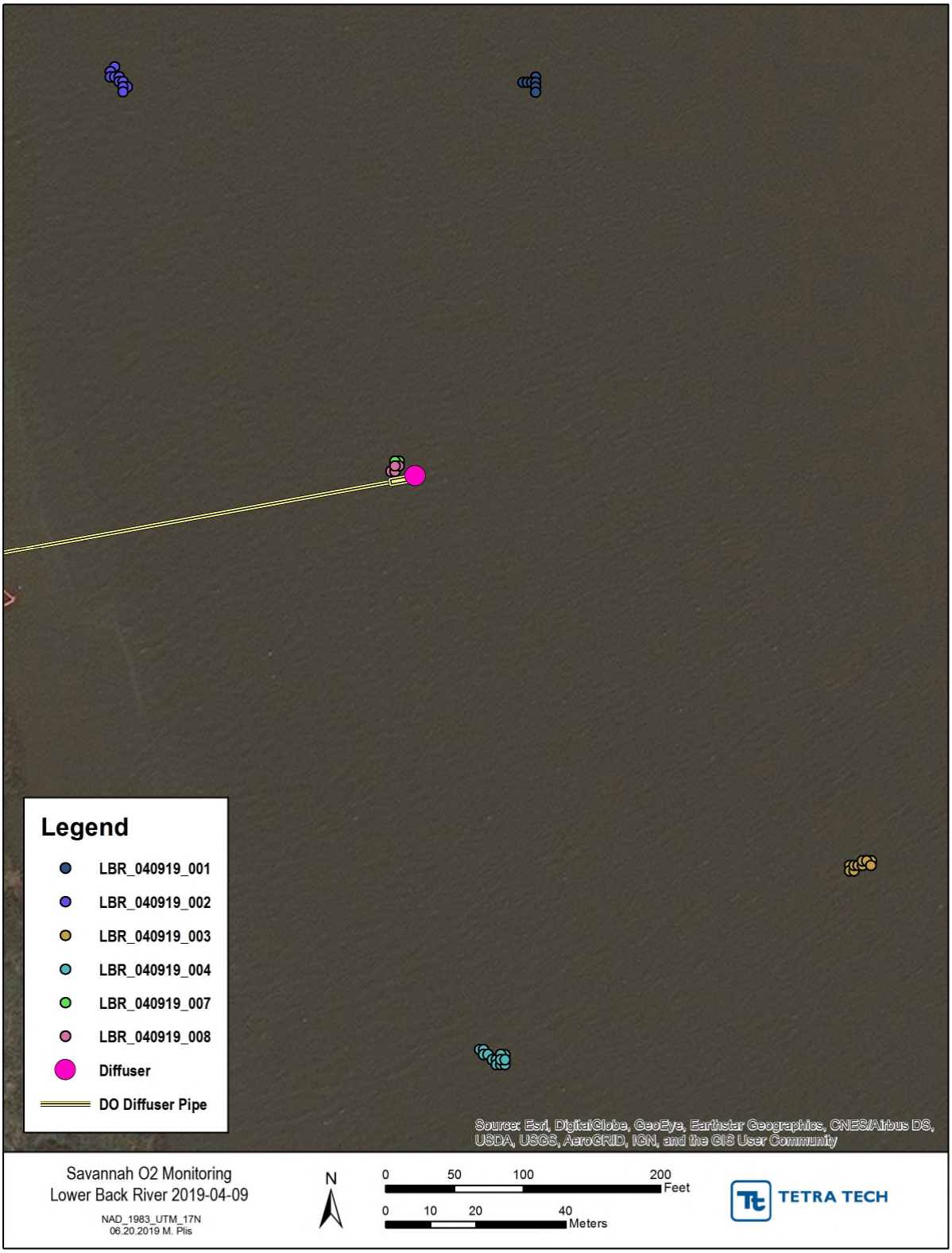


Figure C-156 Back River April 9, 2019 stationary profiles location map

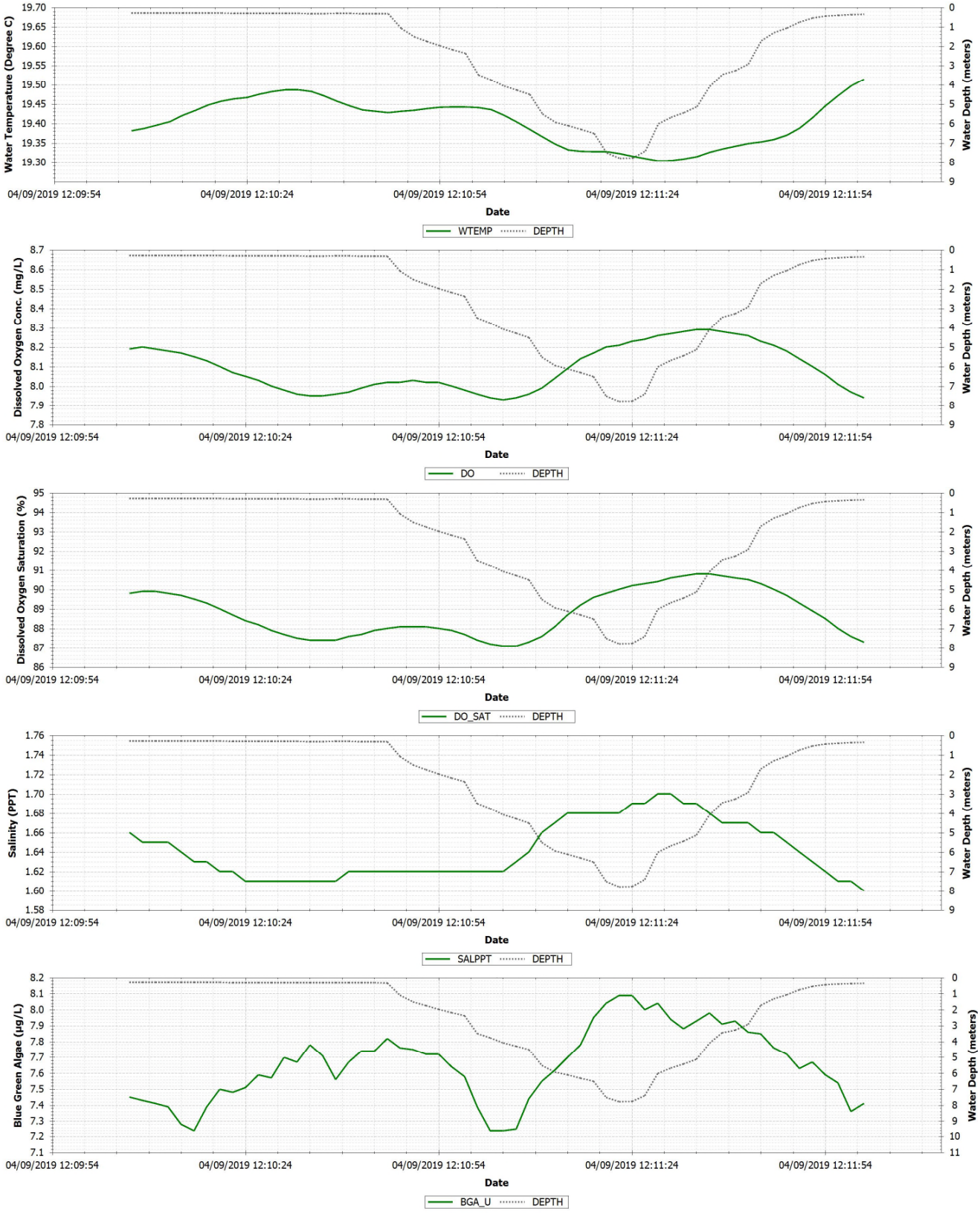


Figure C-157 Back River April 9, 2019 northeast buoy flood tide stationary profile observations (LBR_040919_001)

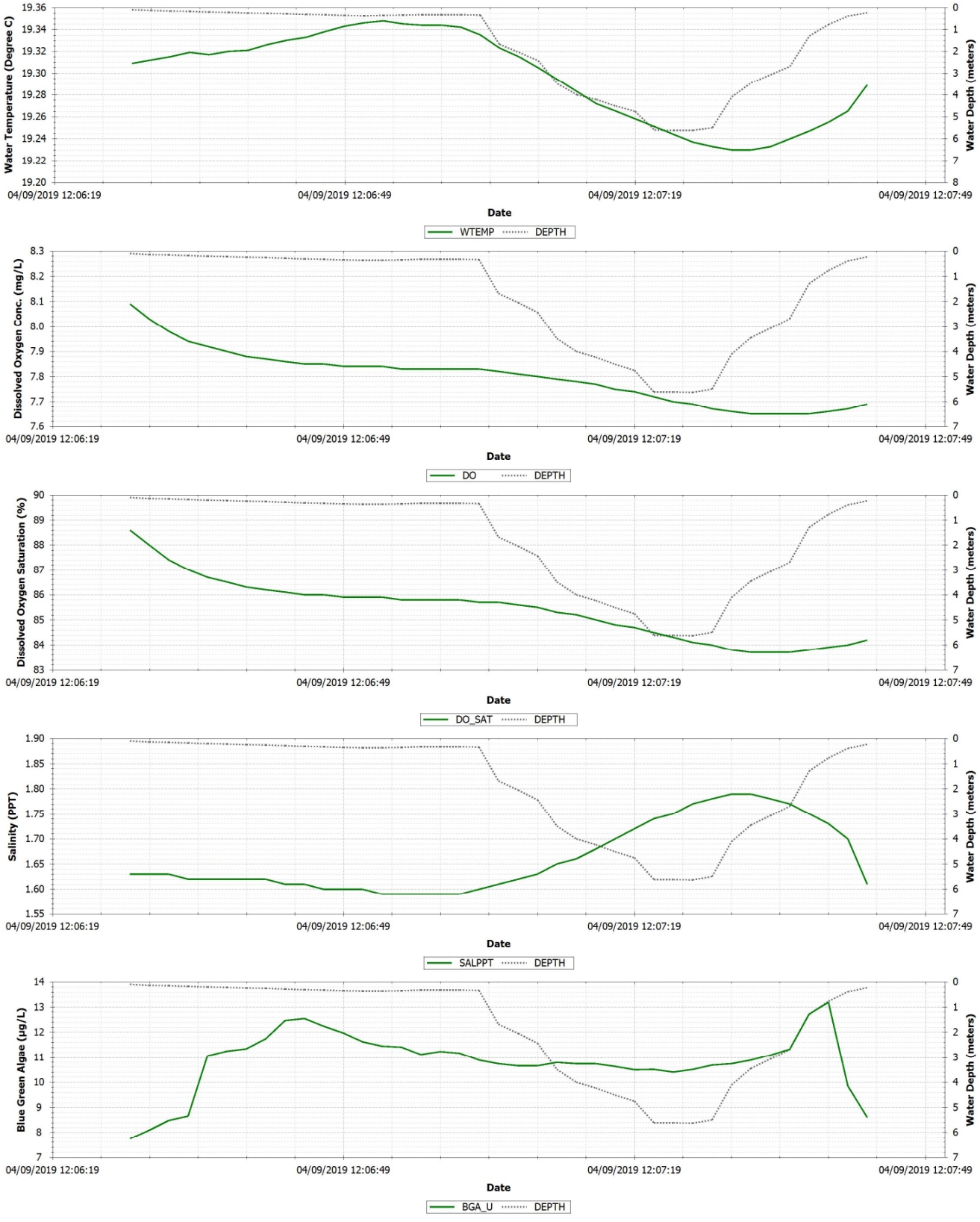


Figure C-158 Back River April 9, 2019 northwest buoy flood tide stationary profile observations (LBR_040919_002)

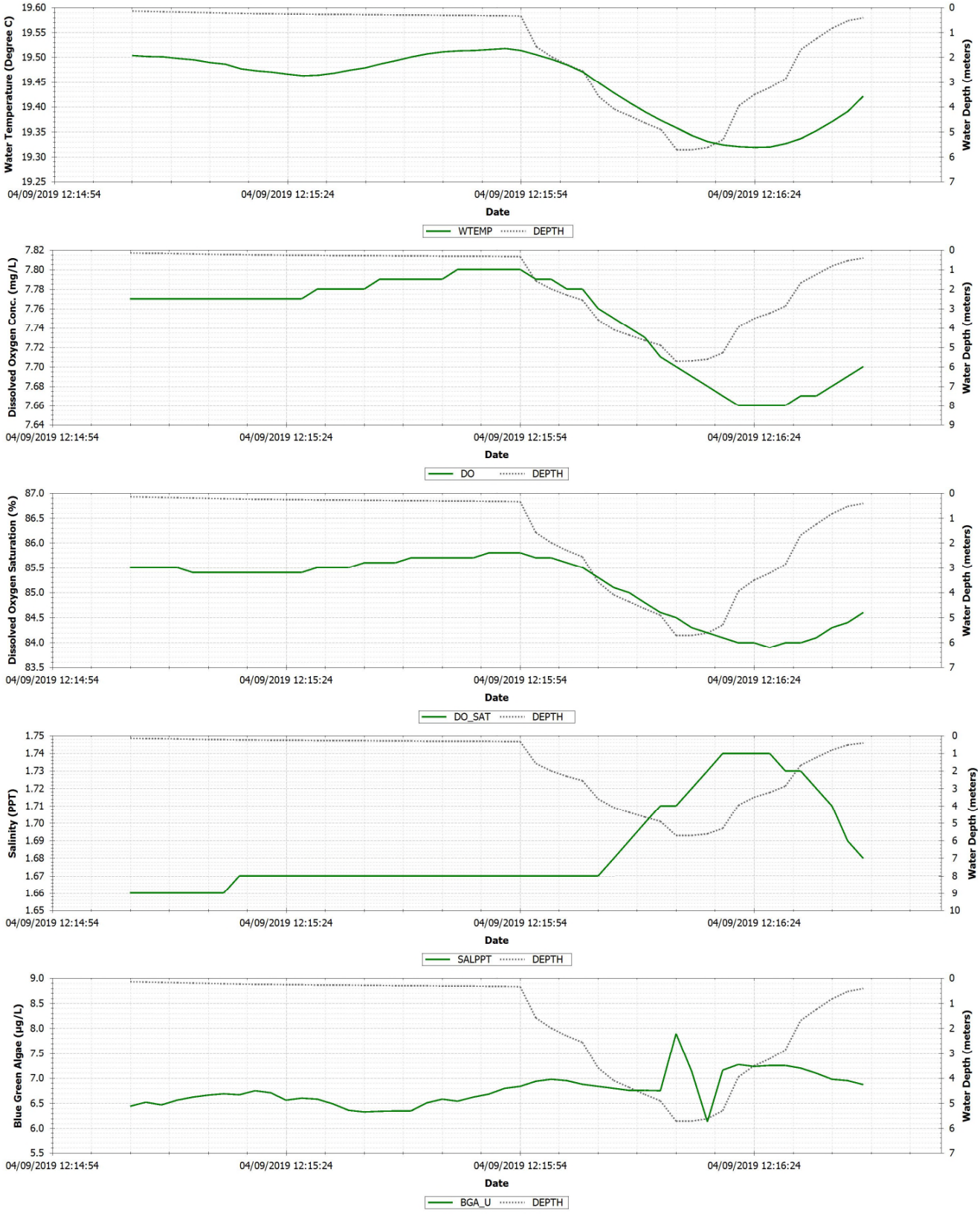


Figure C-159 Back River April 9, 2019 southeast buoy flood tide stationary profile observations (LBR_040919_003)

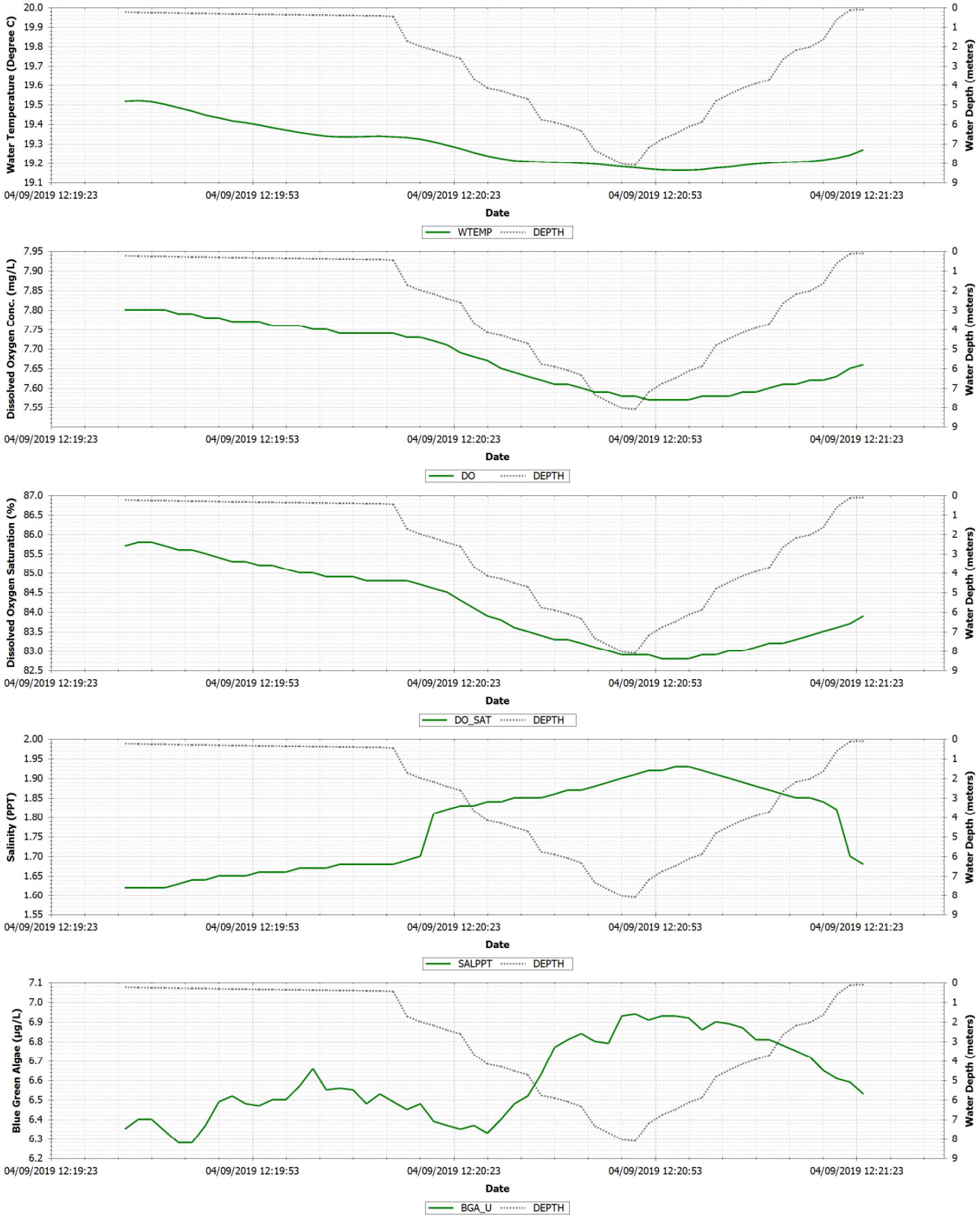


Figure C-160 Back River April 9, 2019 southwest buoy flood tide stationary profile observations (LBR_040919_004)

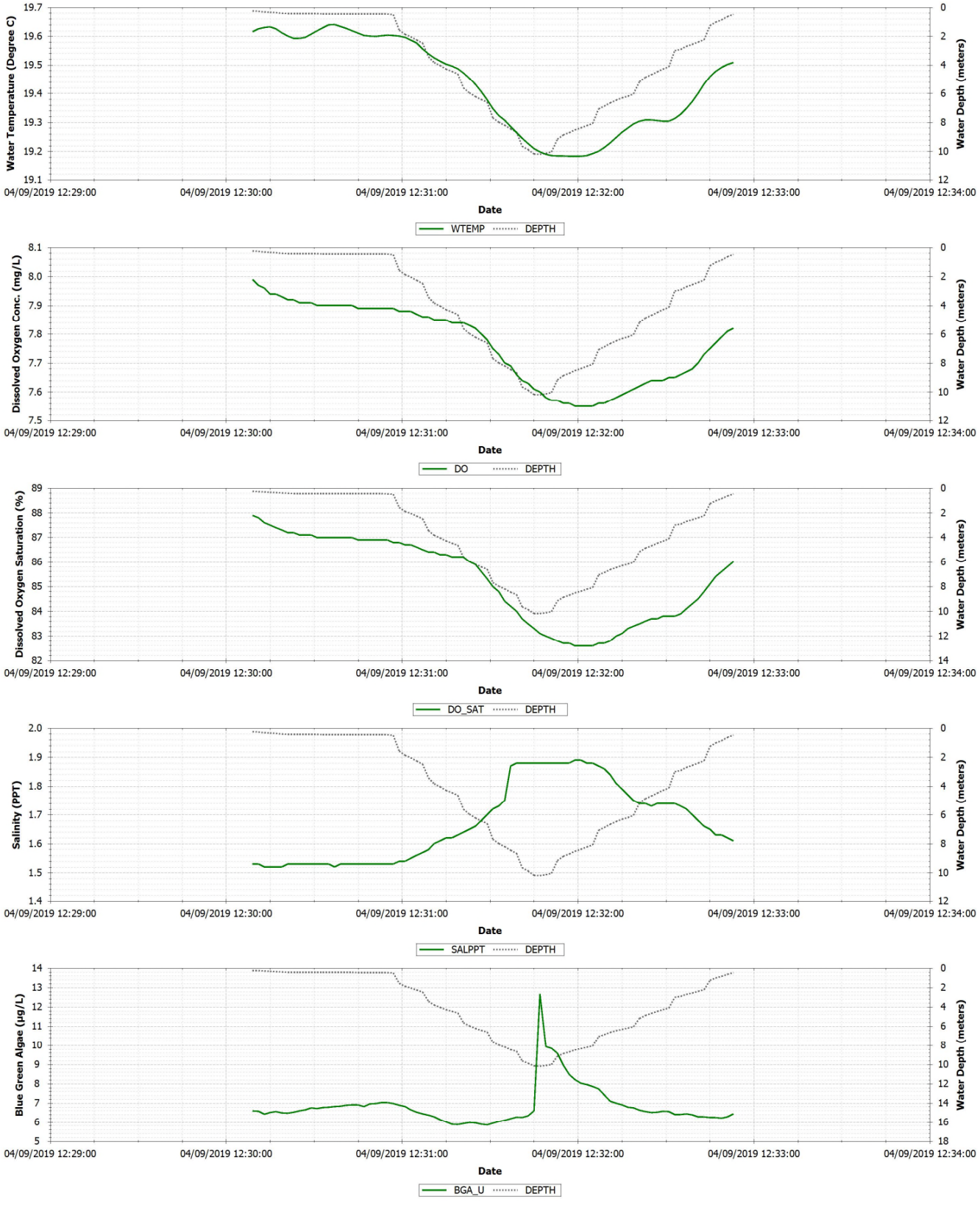


Figure C-161 Back River April 9, 2019 east platform flood tide stationary profile observations (LBR_040919_007)

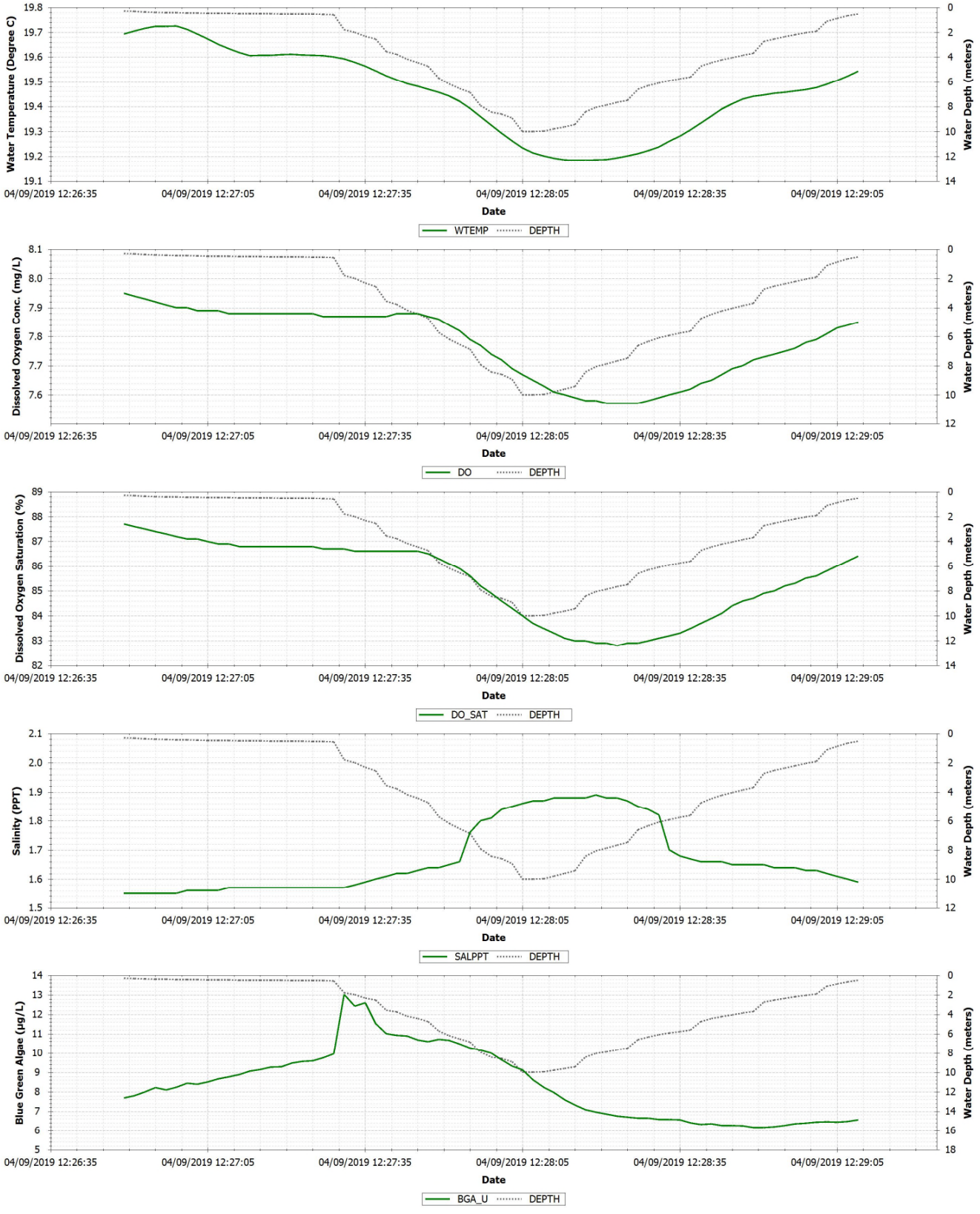


Figure C-162 Back River April 9, 2019 west platform flood tide stationary profile observations (LBR_040919_008)

Figure C-163 Back River April 9, 2019 flood tide traveling profile period 1 location map (LBR_040919_006)

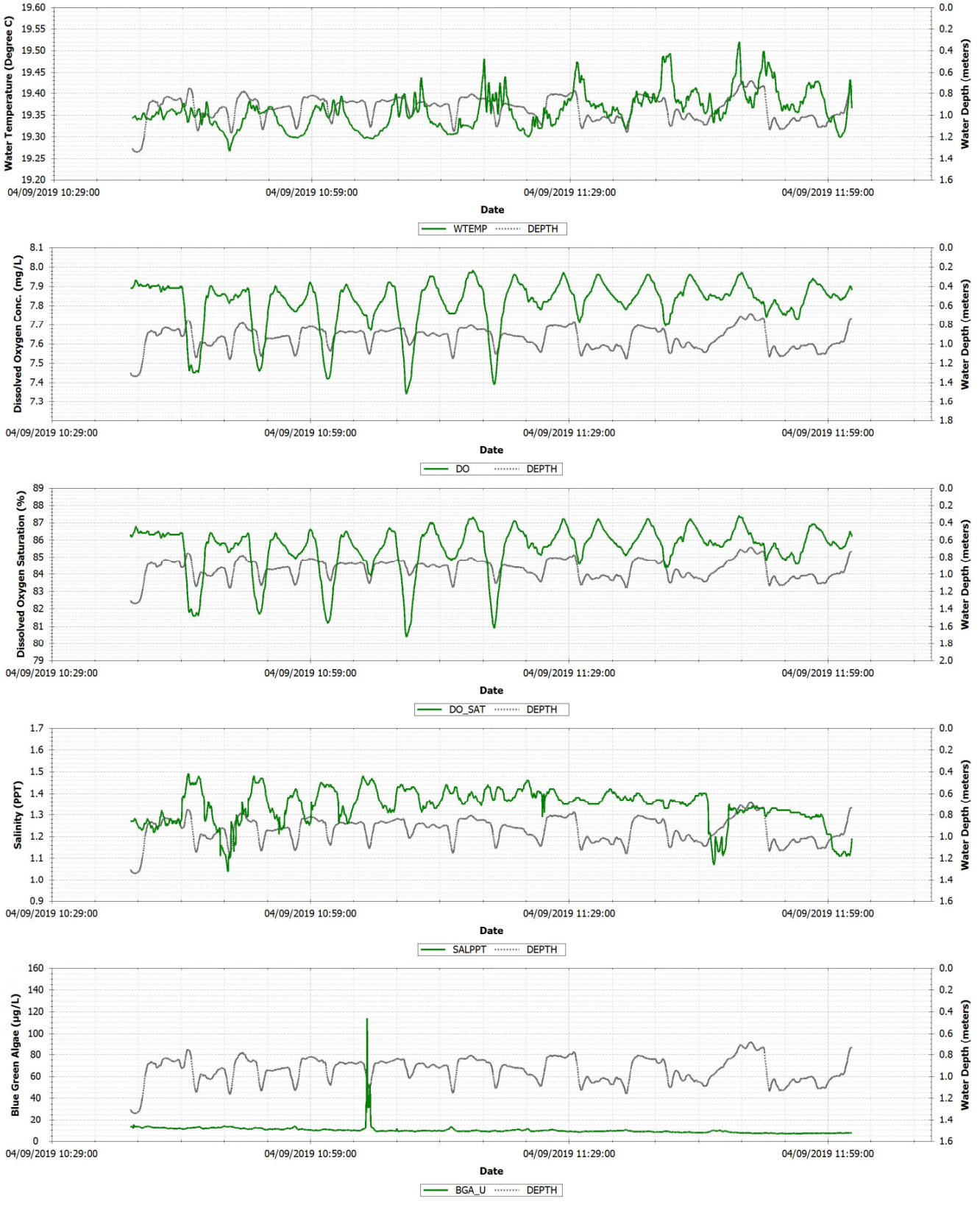


Figure C-164 Back River April 9, 2019 flood tide traveling profile period 1 observations (LBR_040919_006)

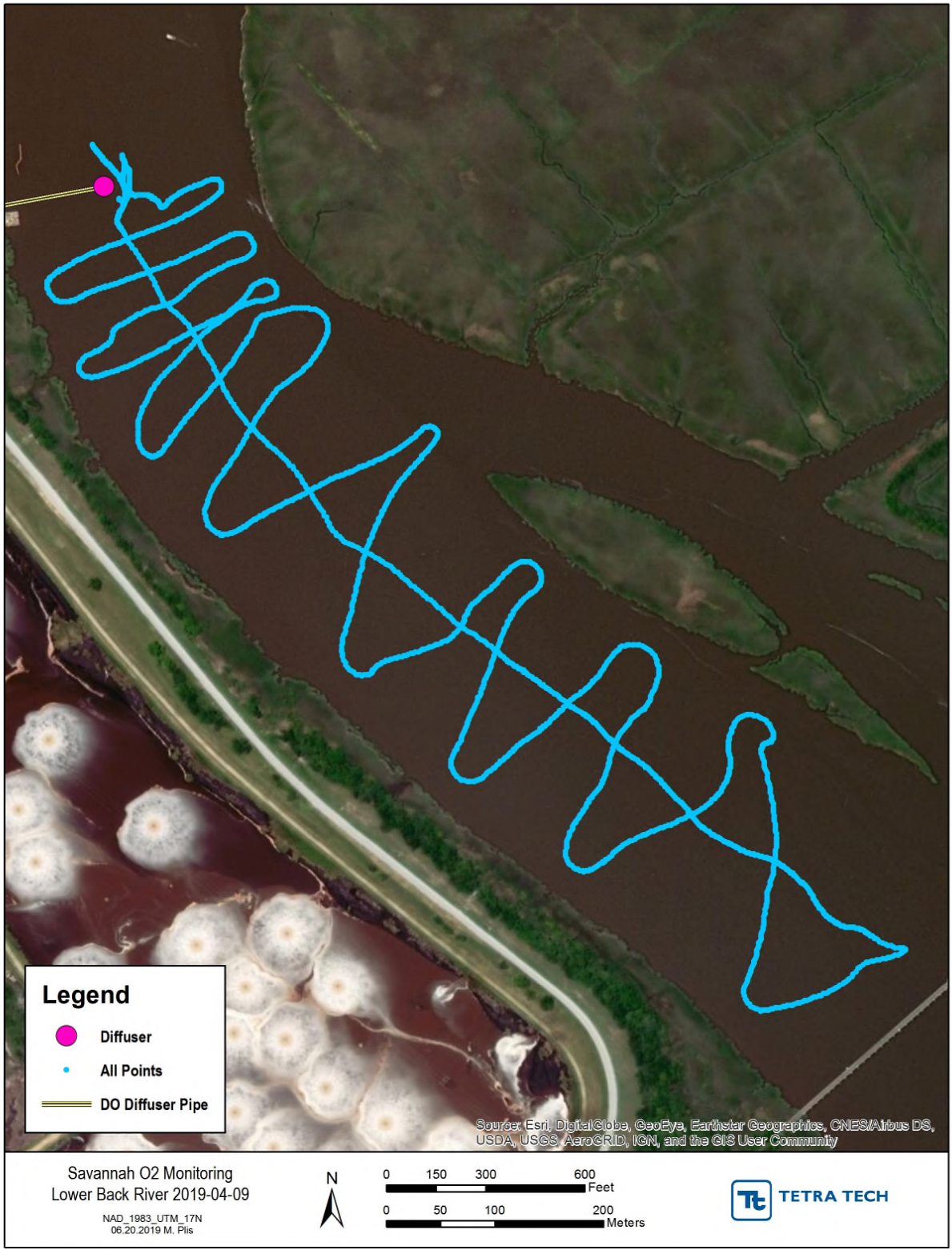


Figure C-165 Back River April 9, 2019 flood tide traveling profile period 2 location map (LBR_040919_005)

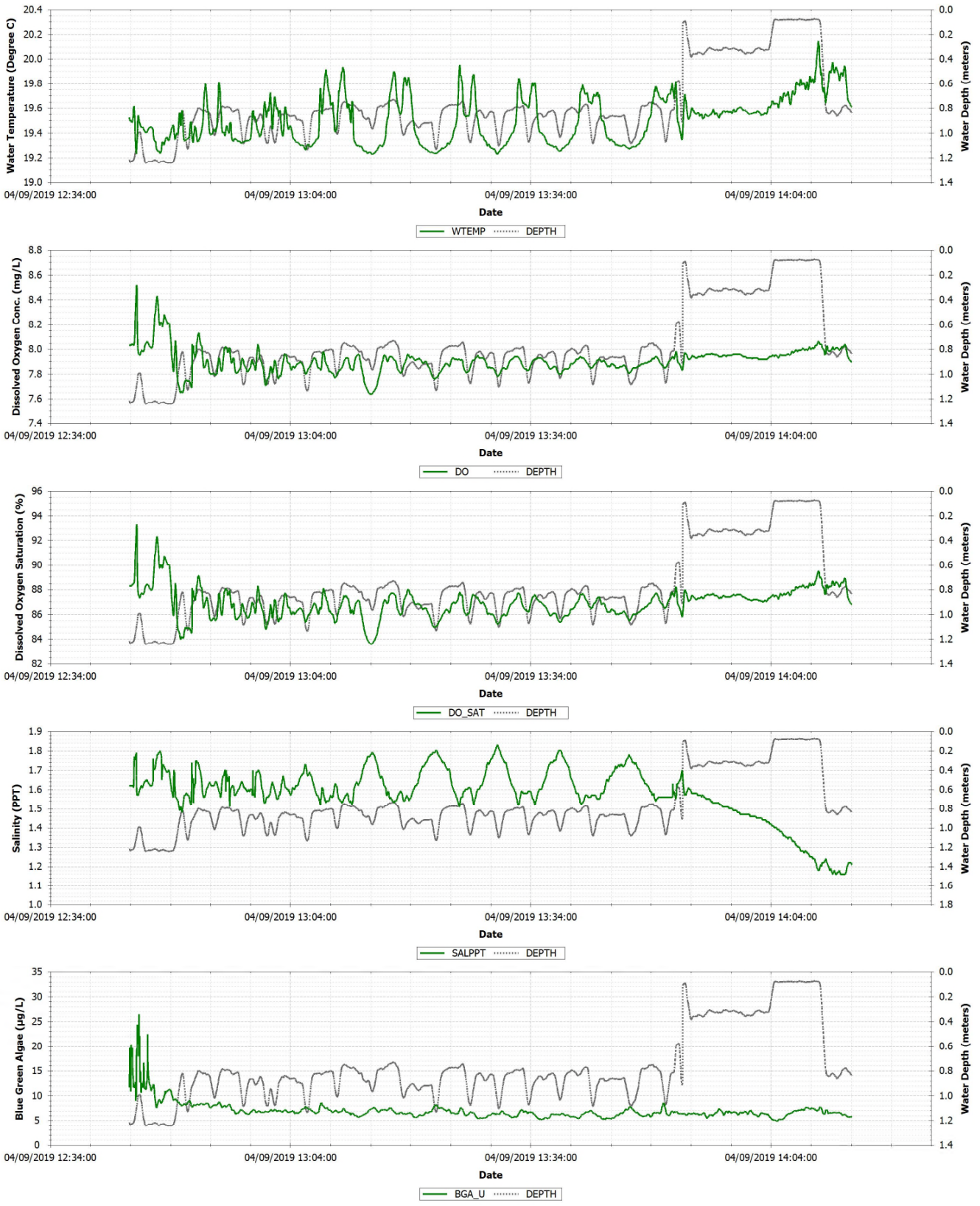
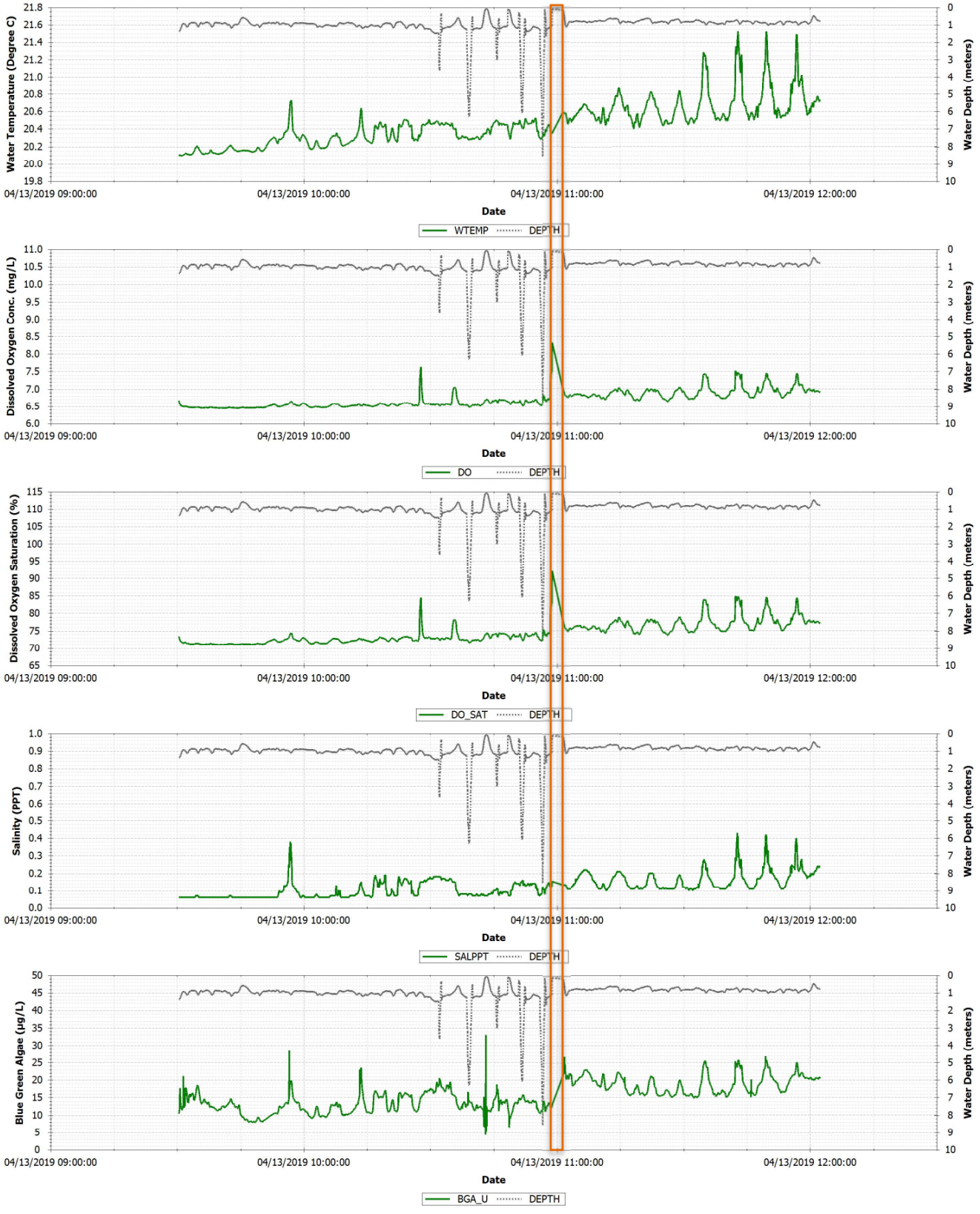


Figure C-166 Back River April 9, 2019 flood tide traveling profile period 2 observations (LBR_040919_005)

Figure C-167 Back River April 13, 2019 ebb tide traveling profile location map (LBR_041319_001)



Note Orange box identifies period of data removed during QAQC process

Figure C-168 Back River April 13, 2019 ebb tide traveling profile observations (LBR_041319_001)

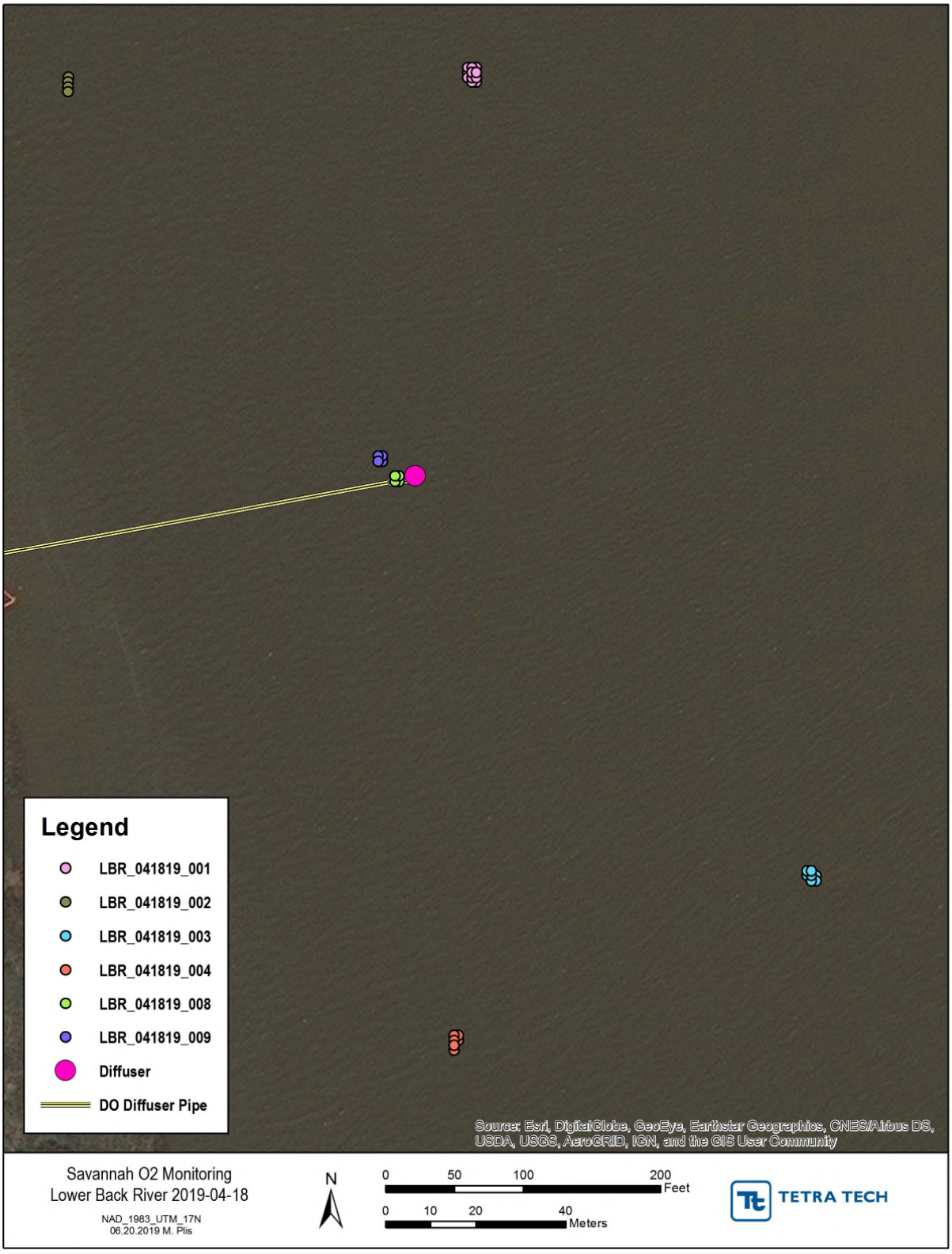


Figure C-169 Back River April 18, 2019 stationary profiles location map

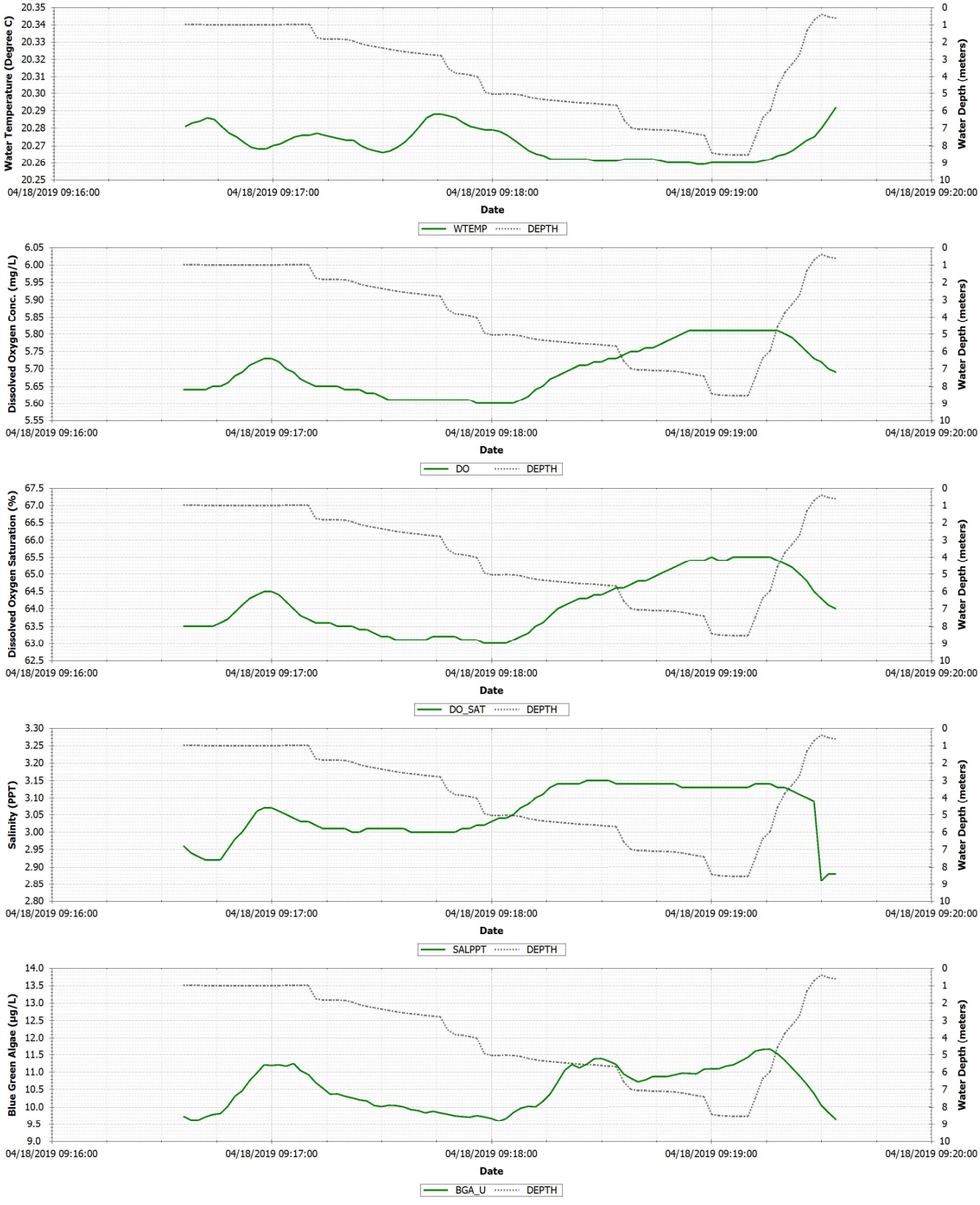


Figure C-170 Back River April 18, 2019 northeast buoy flood tide stationary profile observations (LBR_041819_001)

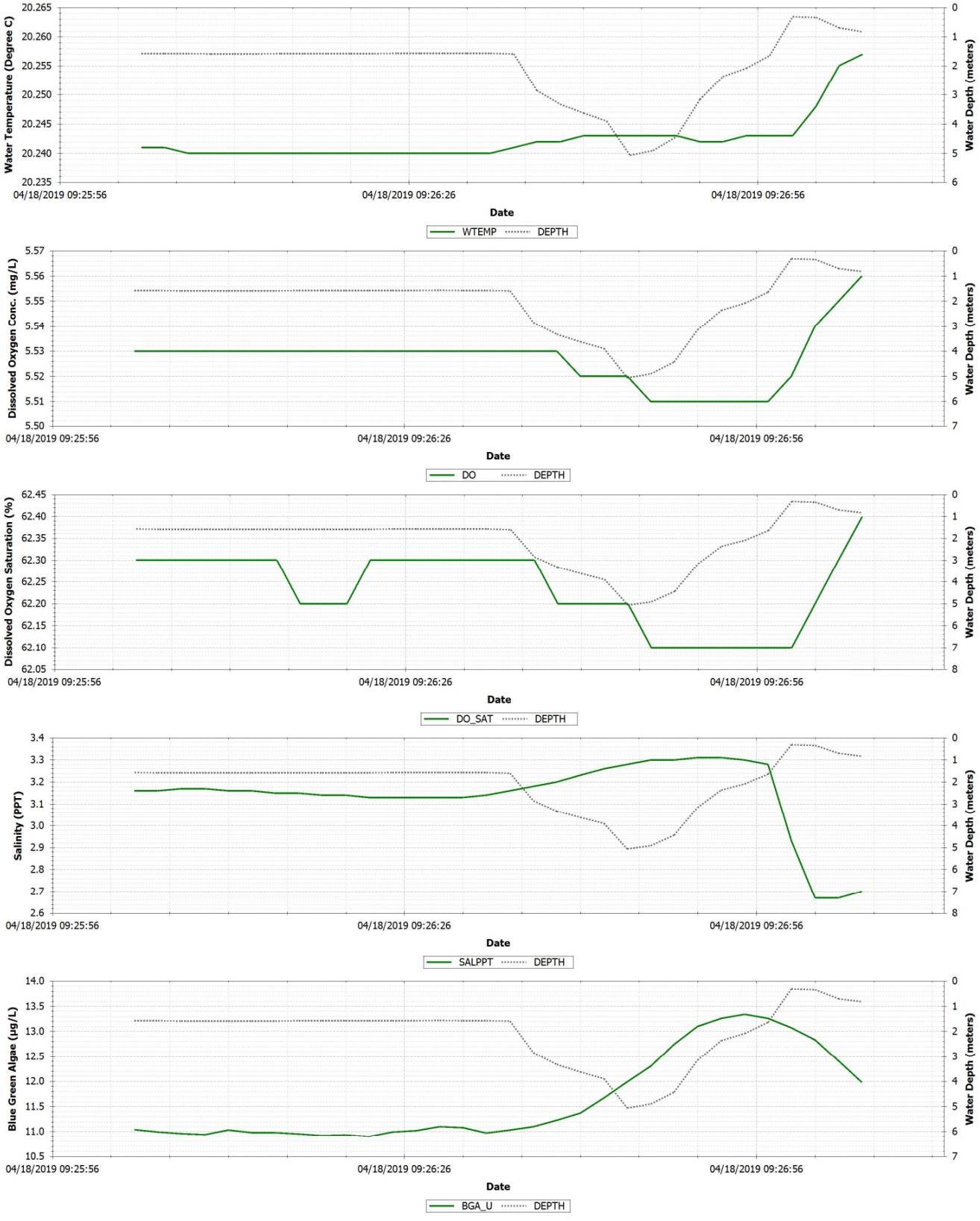


Figure C-171 Back River April 18, 2019 northwest buoy flood tide stationary profile observations (LBR_041819_002)

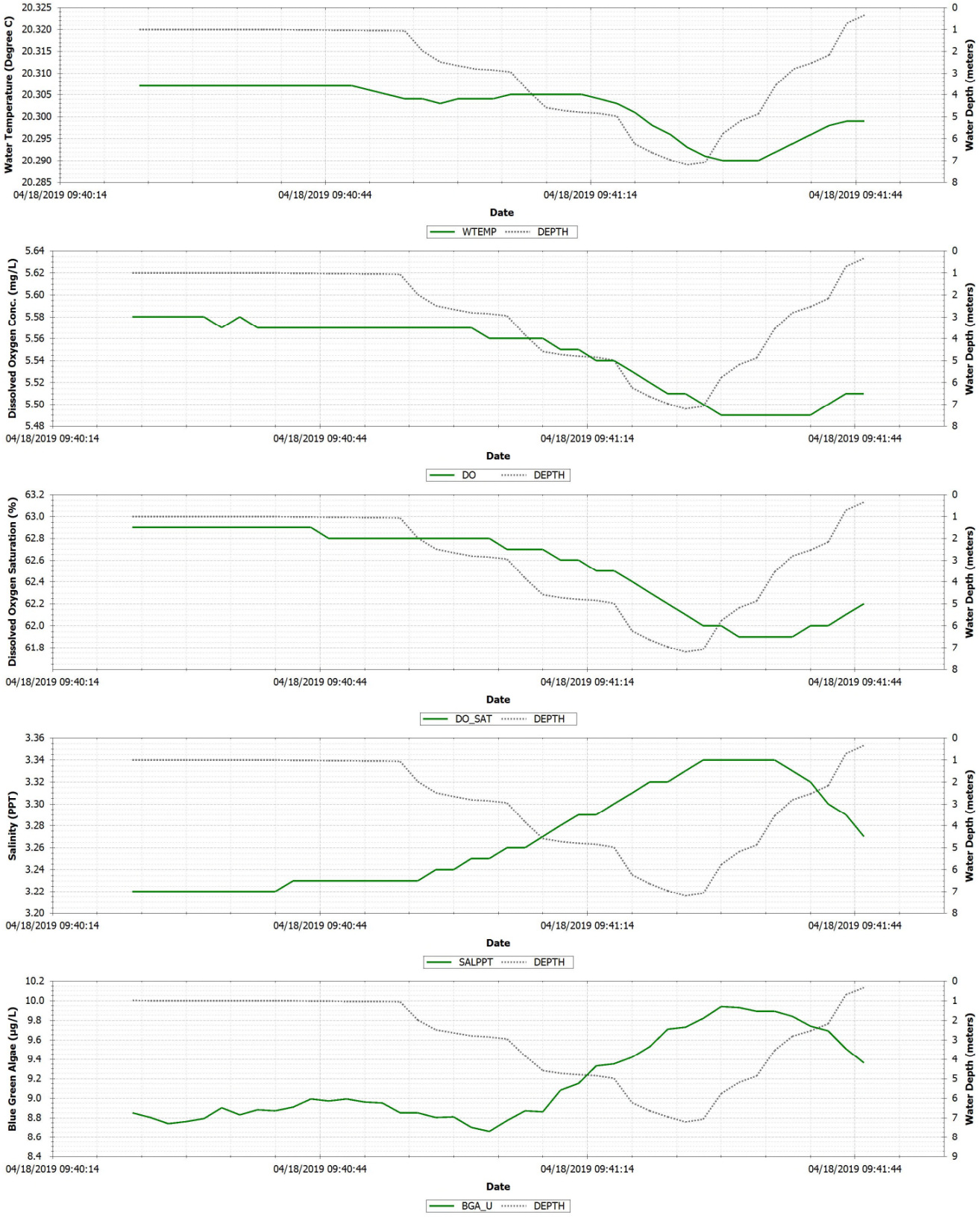


Figure C-172 Back River April 18, 2019 southeast buoy flood tide stationary profile observations (LBR_041819_003)

Figure C-173 Back River April 18, 2019 southwest buoy flood tide stationary profile observations (LBR_041819_004)

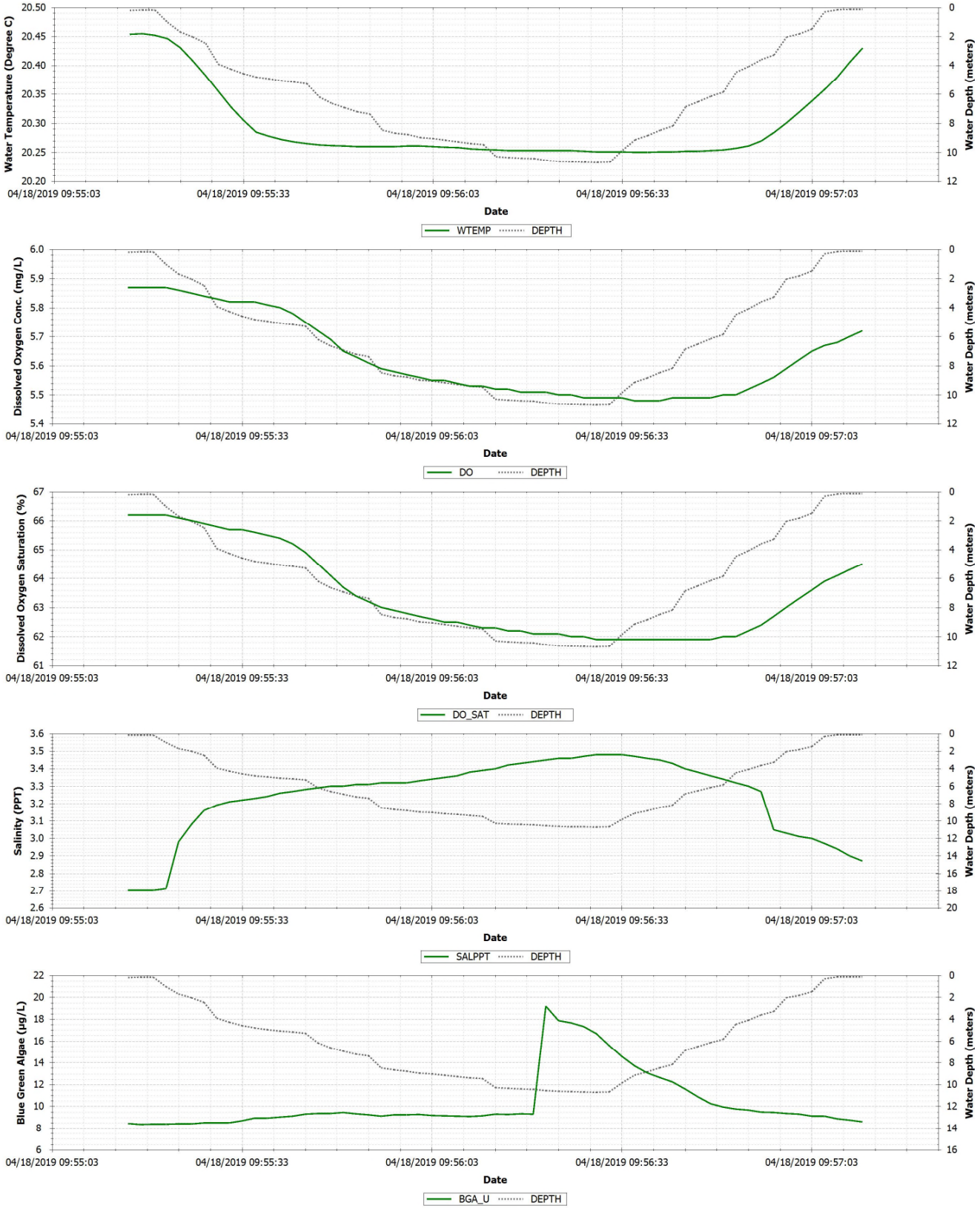


Figure C-174 Back River April 18, 2019 east platform flood tide stationary profile observations (LBR_041819_008)

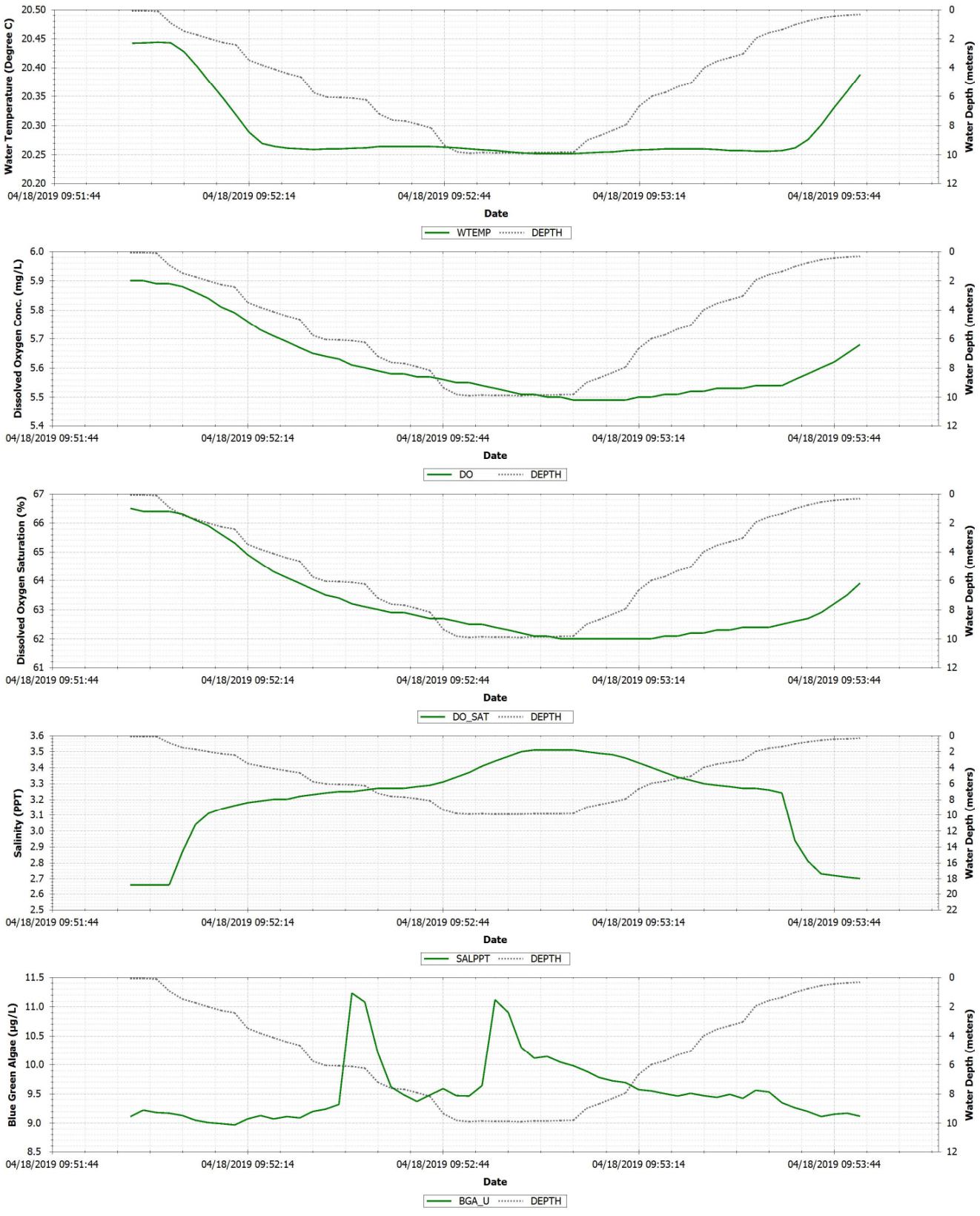


Figure C-175 Back River April 18, 2019 west platform flood tide stationary profile observations (LBR_041819_009)

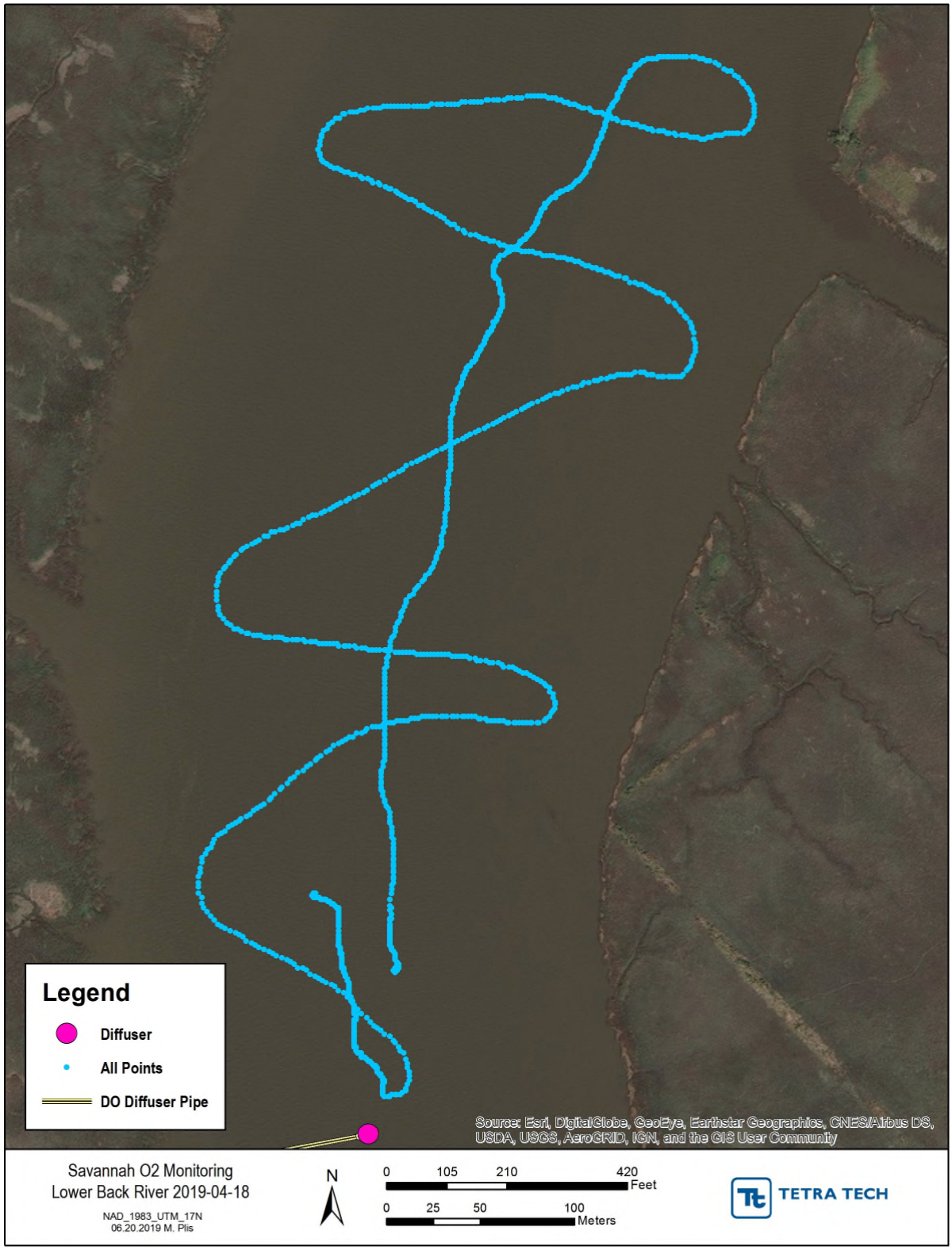


Figure C-176 Back River April 18, 2019 flood tide traveling profile period 1 location map (LBR_041819_006)

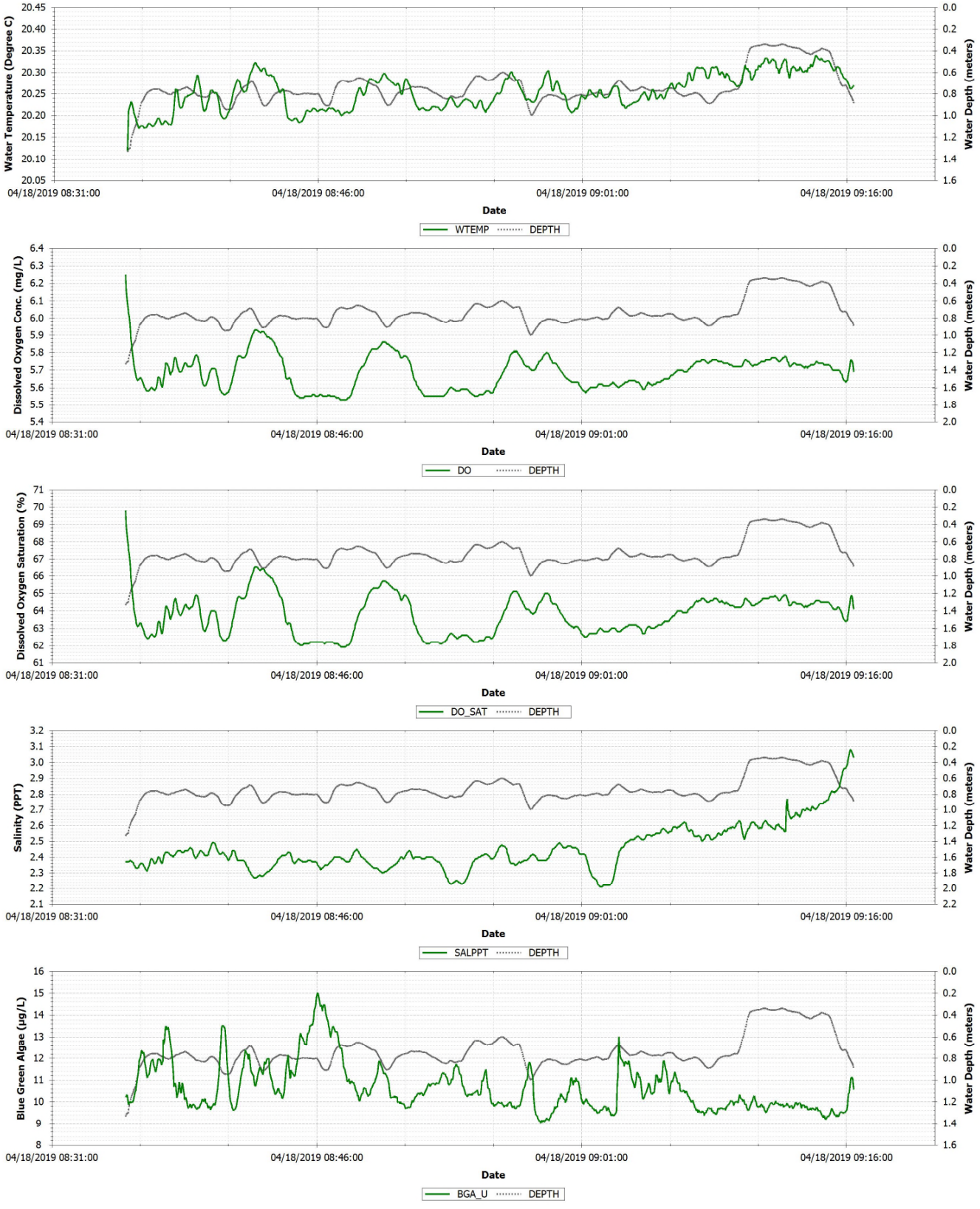


Figure C-177 Back River April 18, 2019 flood tide traveling profile period 1 observations (LBR_041819_006)

Figure C-178 Back River April 18, 2019 flood tide traveling profile period 2 location map (LBR_041819_005)

Figure C-179 Back River April 18, 2019 flood tide traveling profile period 2 observations (LBR_041819_005)

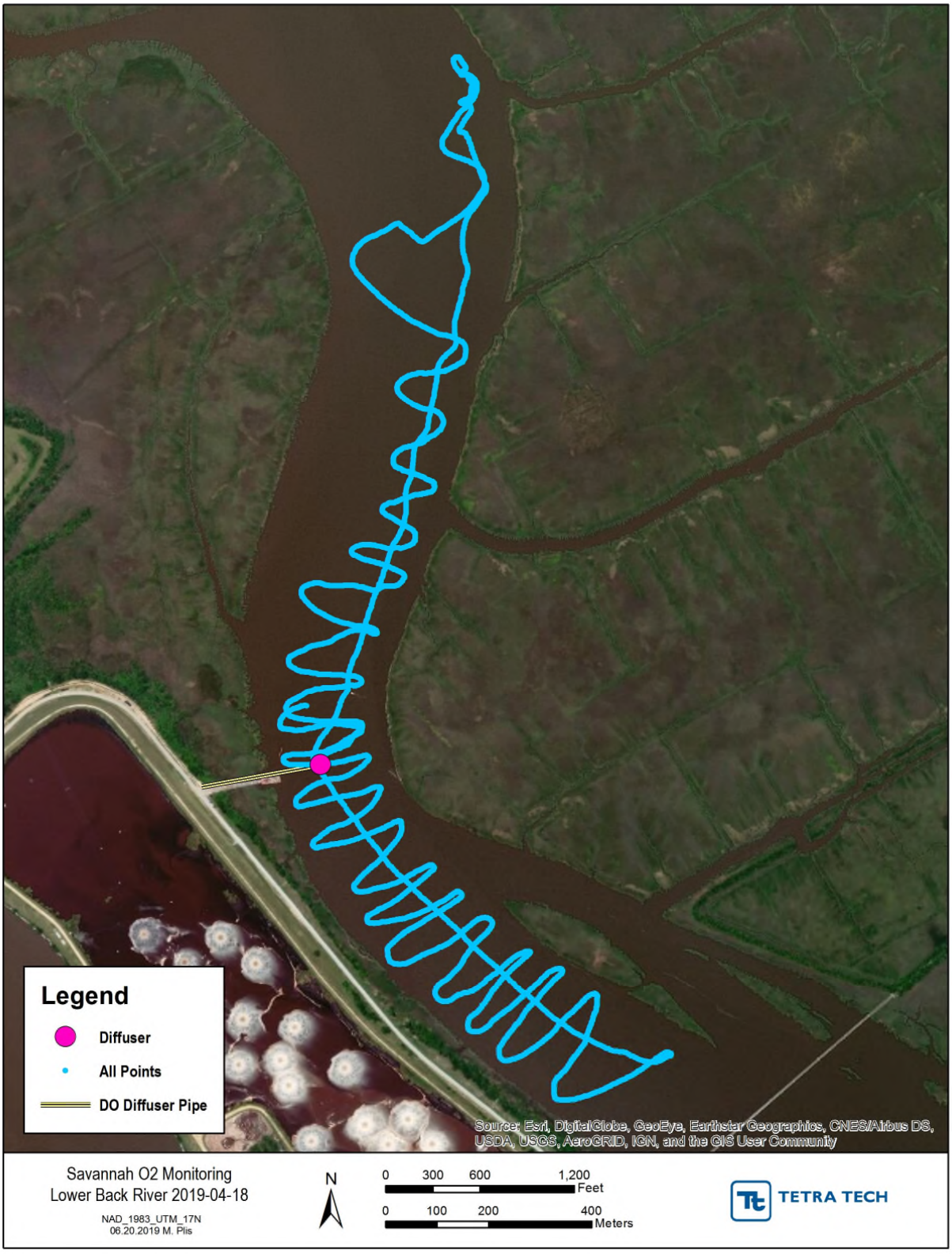


Figure C-180 Back River April 18, 2019 ebb tide traveling profile location map (LBR_041819_007)

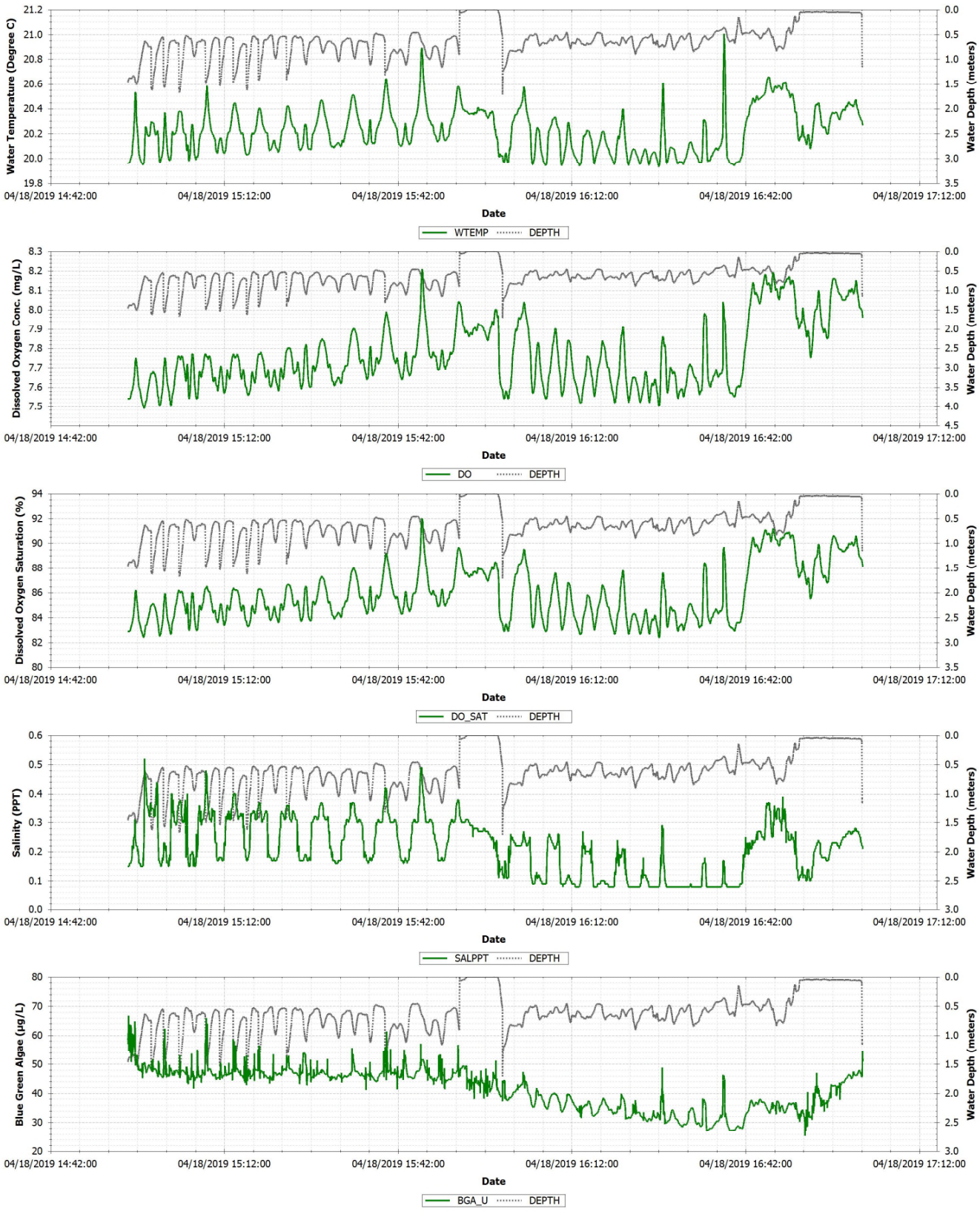


Figure C-181 Back River April 18, 2019 ebb tide traveling profile observations (LBR_041819_007)

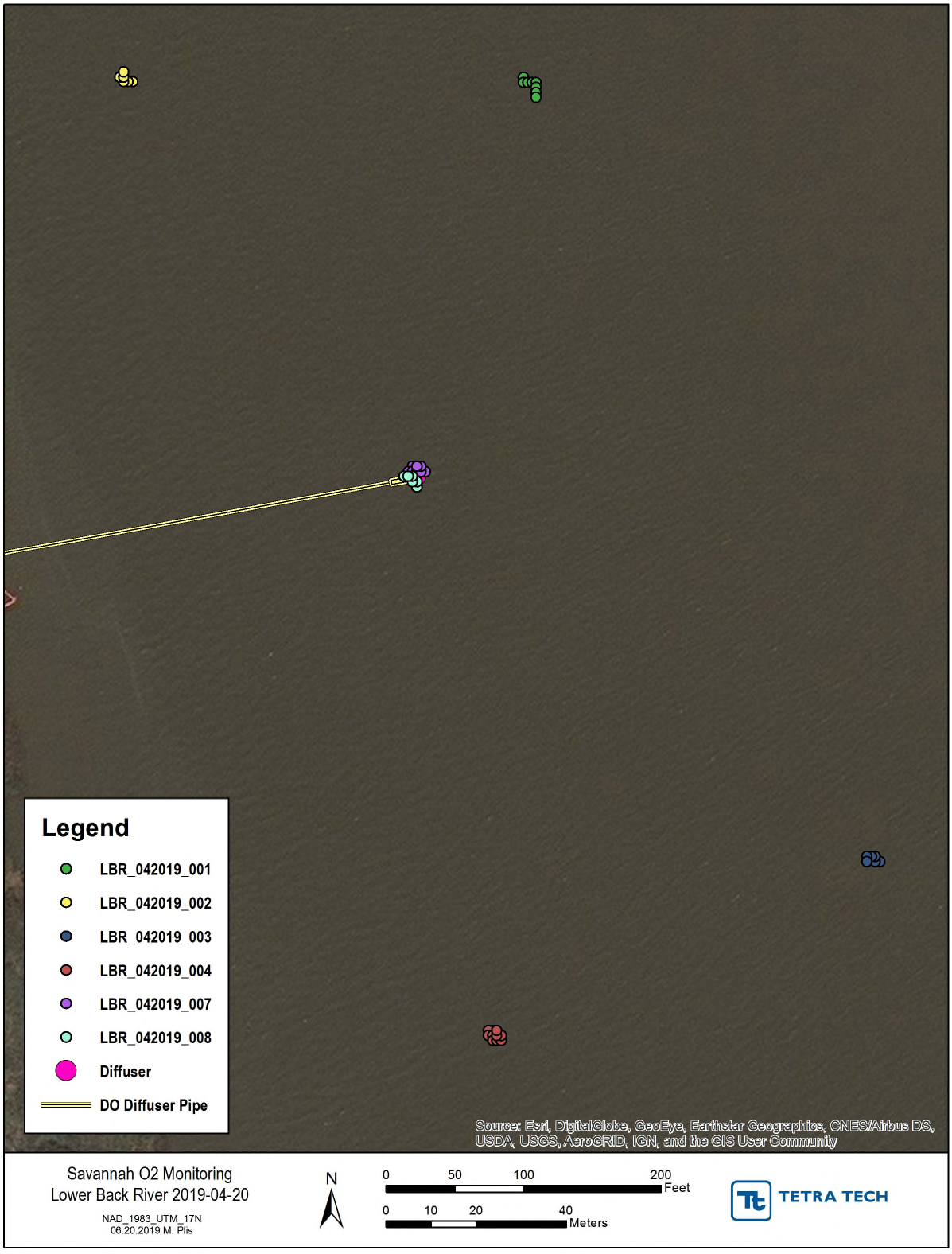


Figure C-182 Back River April 20, 2019 stationary profiles location map

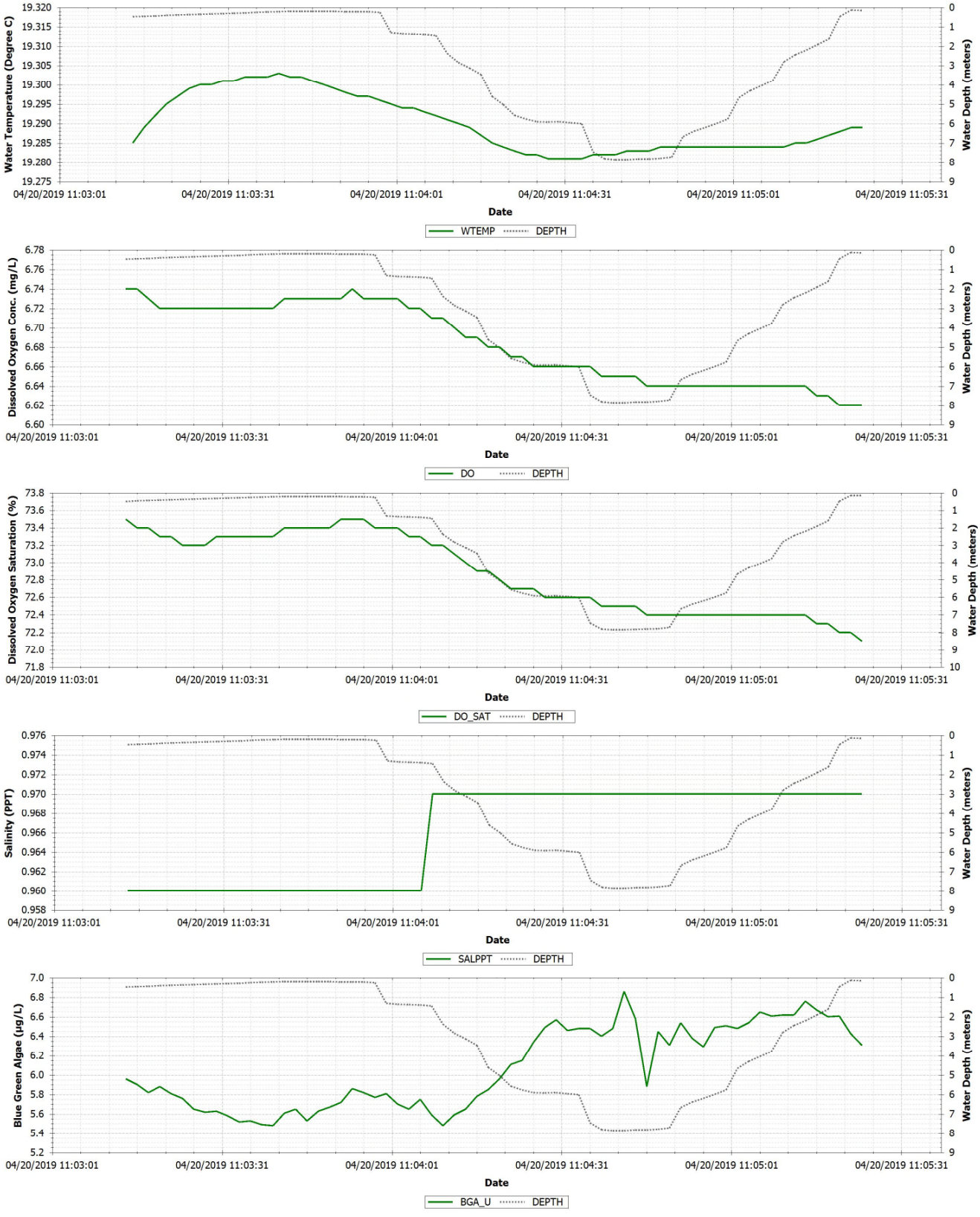


Figure C-183 Back River April 20, 2019 northeast buoy flood tide stationary profile observations (LBR_042019_001)

Figure C-184 Back River April 20, 2019 northwest buoy flood tide stationary profile observations (LBR_042019_002)

Figure C-185 Back River April 20, 2019 southeast buoy flood tide stationary profile observations (LBR_042019_003)

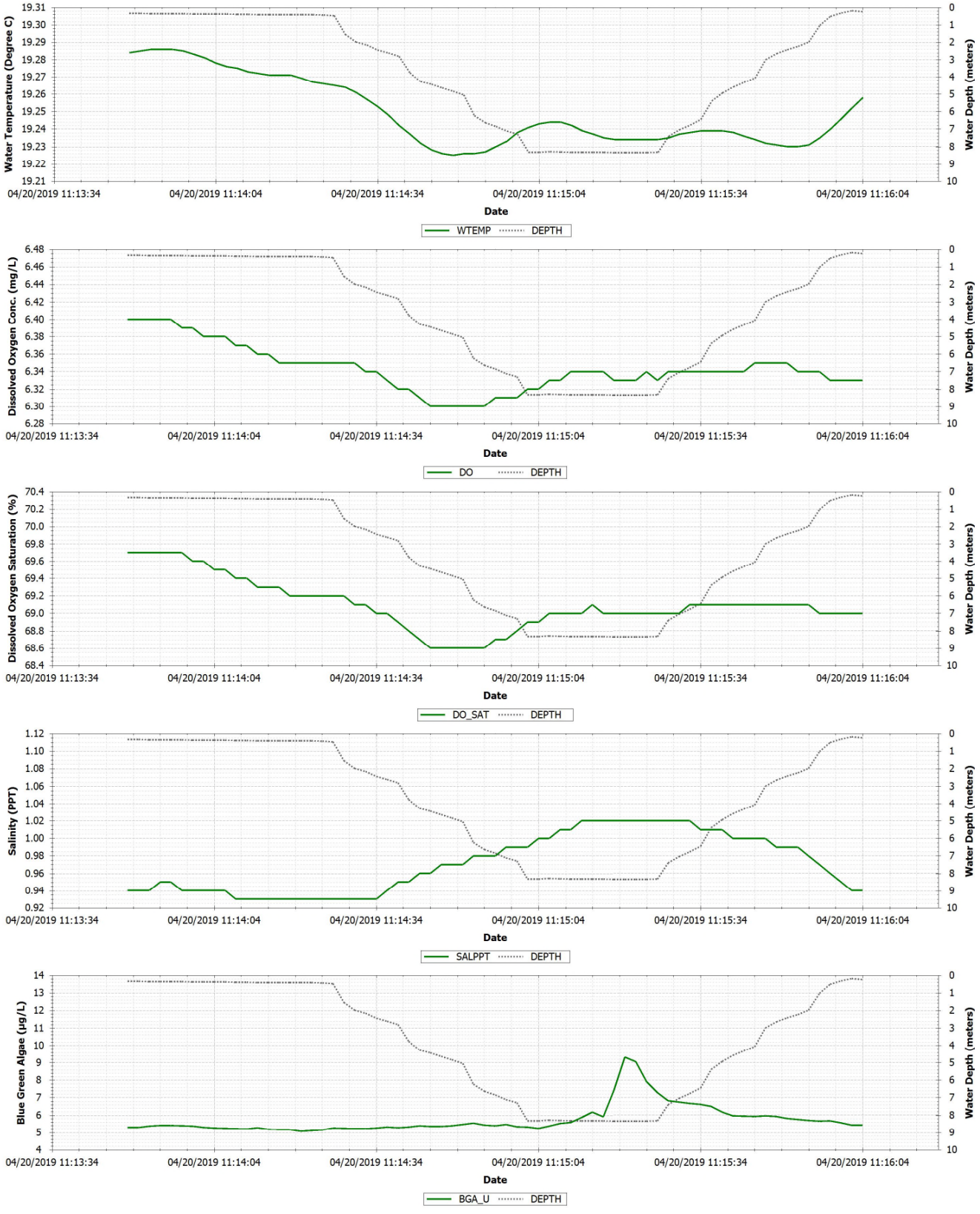


Figure C-186 Back River April 20, 2019 southwest buoy flood tide stationary profile observations (LBR_042019_004)

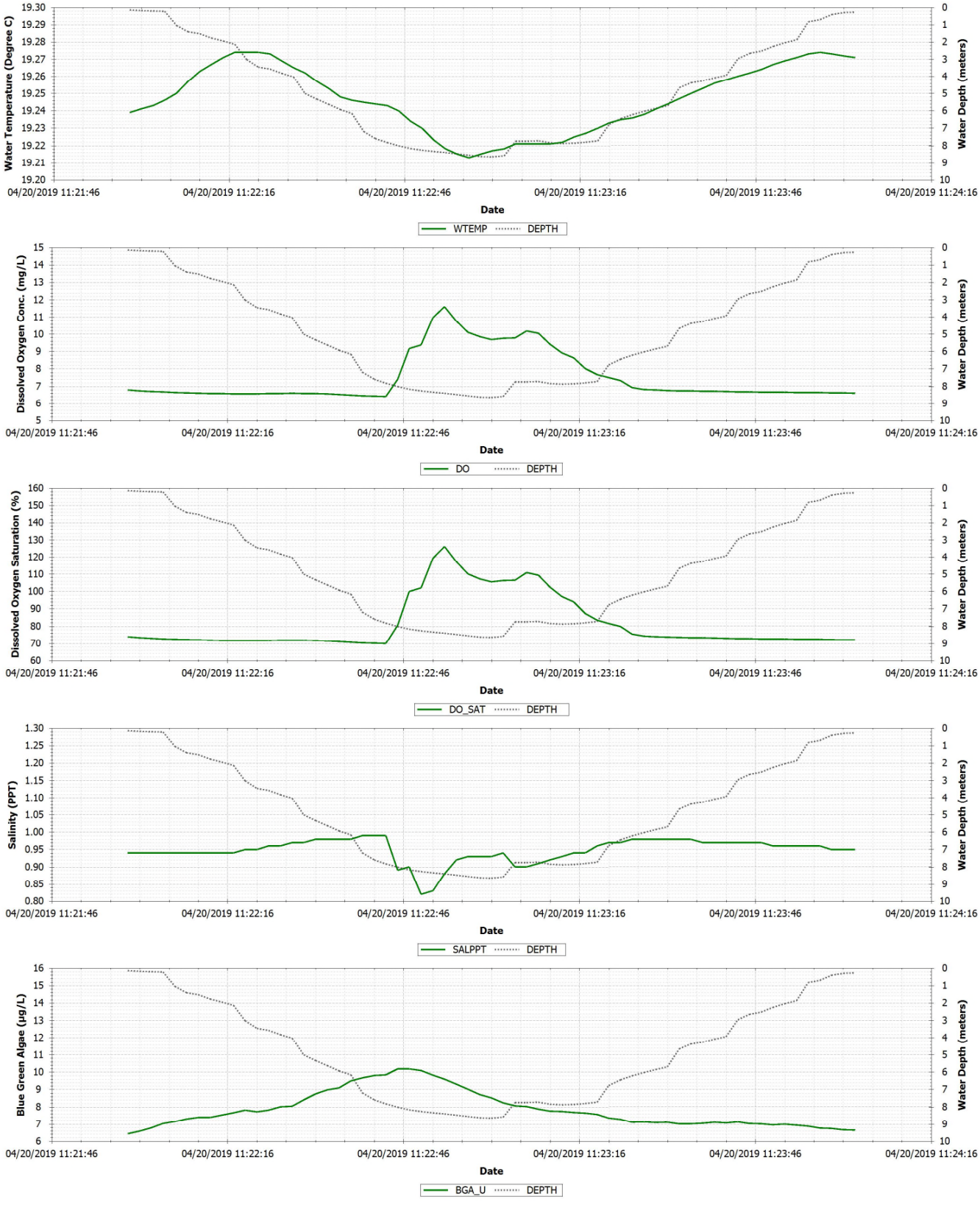


Figure C-187 Back River April 20, 2019 east platform flood tide stationary profile observations (LBR_042019_007)

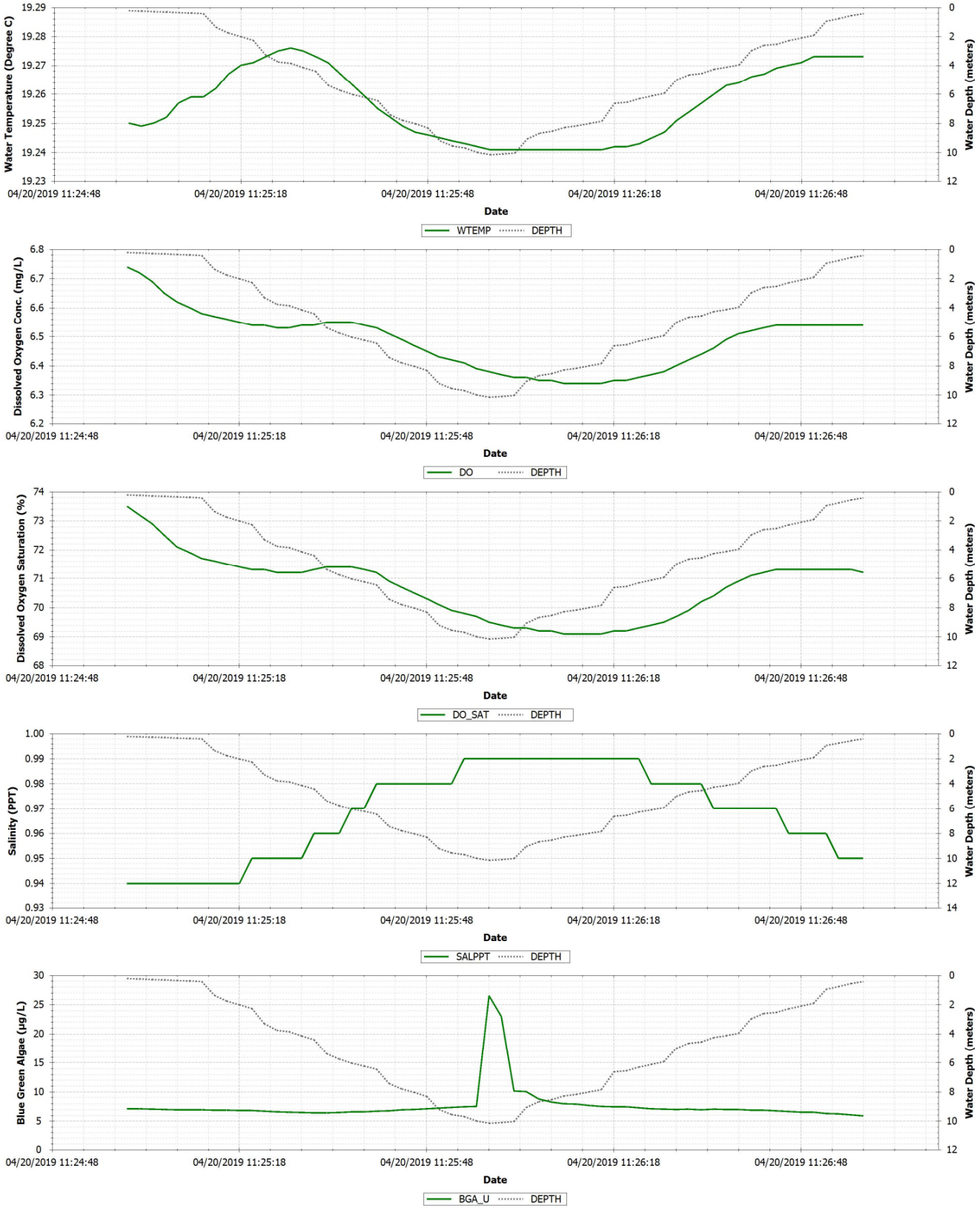


Figure C-188 Back River April 20, 2019 west platform flood tide stationary profile observations (LBR_042019_008)

Figure C-189 Back River April 20, 2019 flood tide traveling profile period 1 location map (LBR_042019_006)

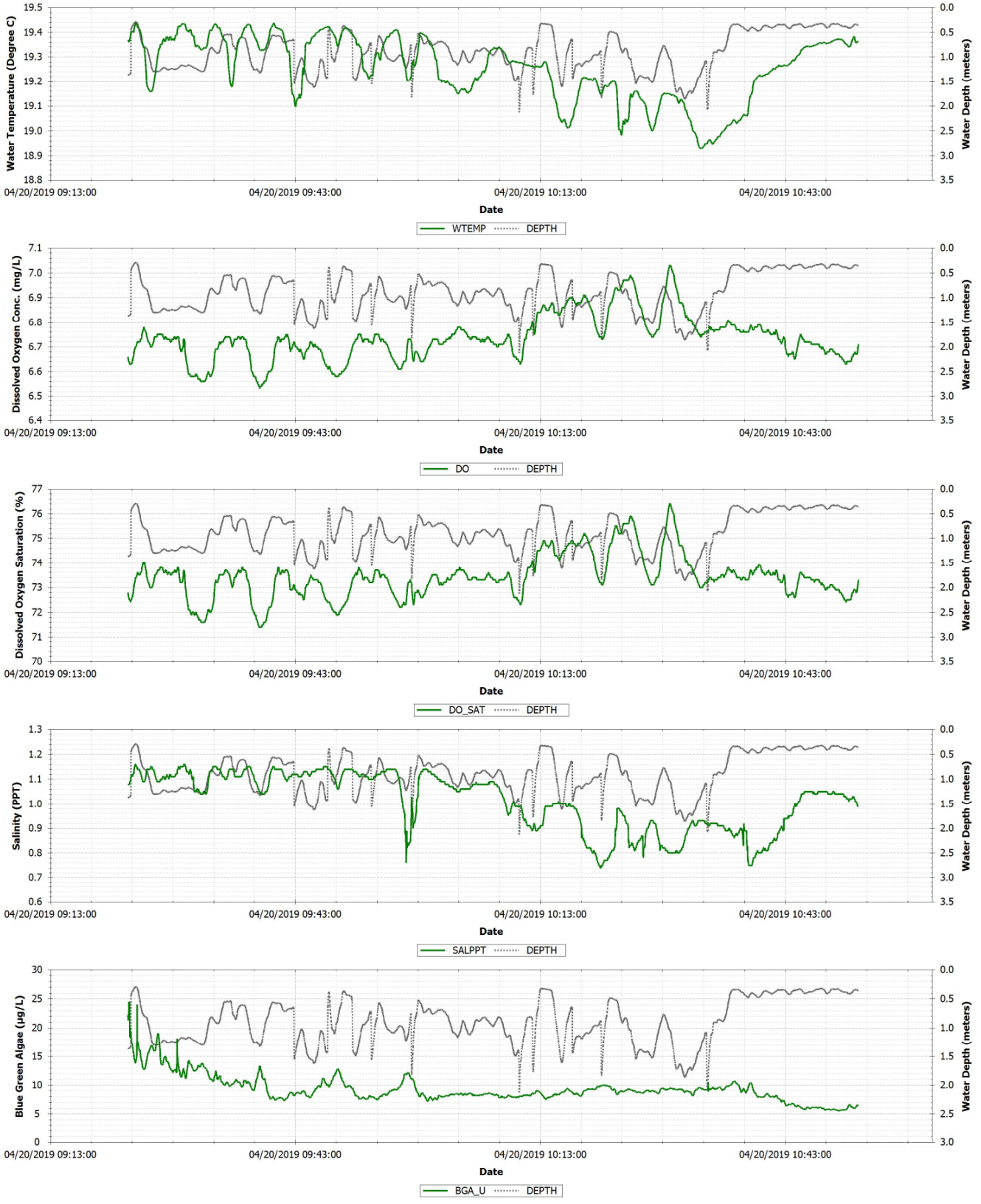


Figure C-190 Back River April 20, 2019 flood tide traveling profile period 1 observations (LBR_042019_006)

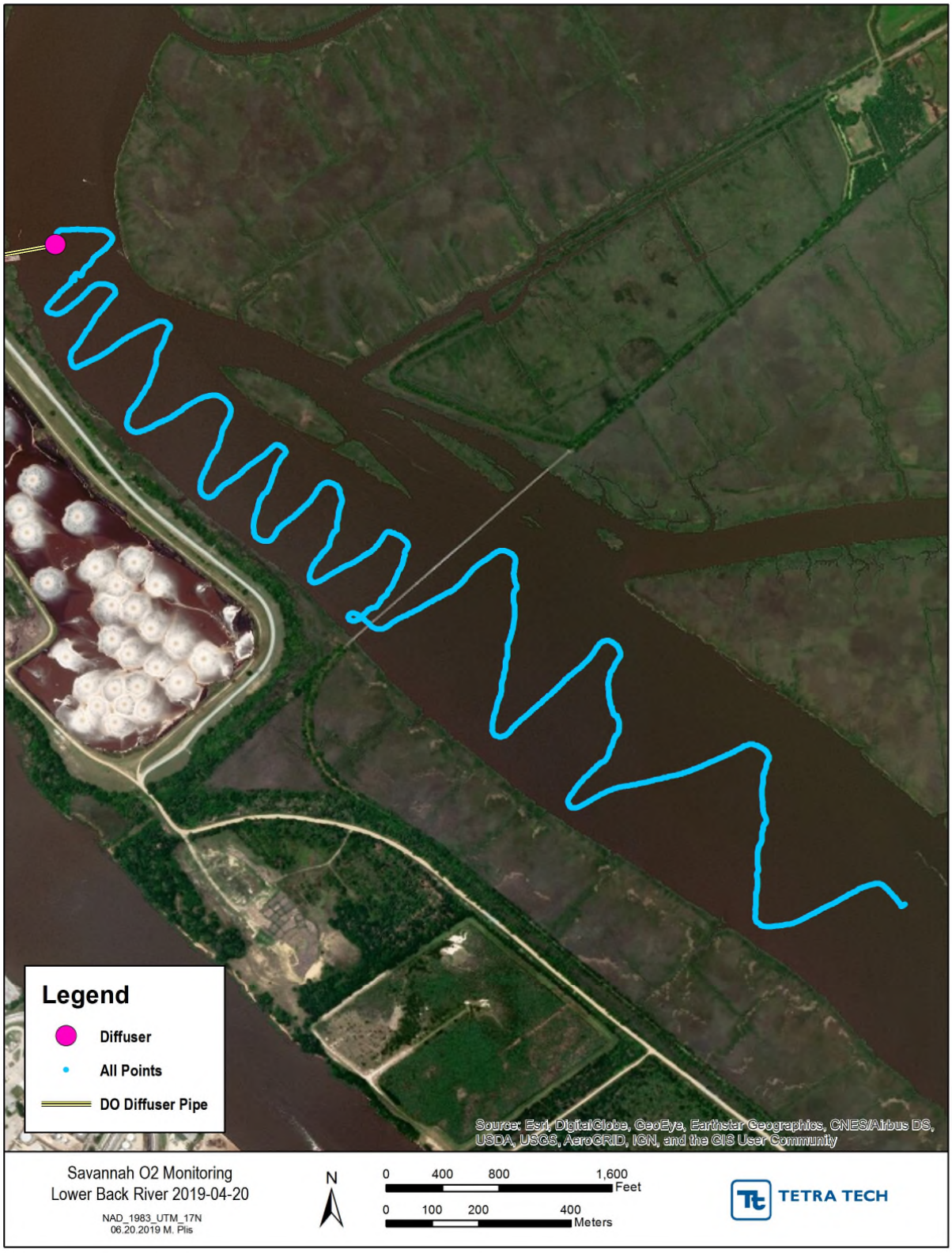


Figure C-191 Back River April 20, 2019 flood tide traveling profile period 2 location map (LBR_042019_005)

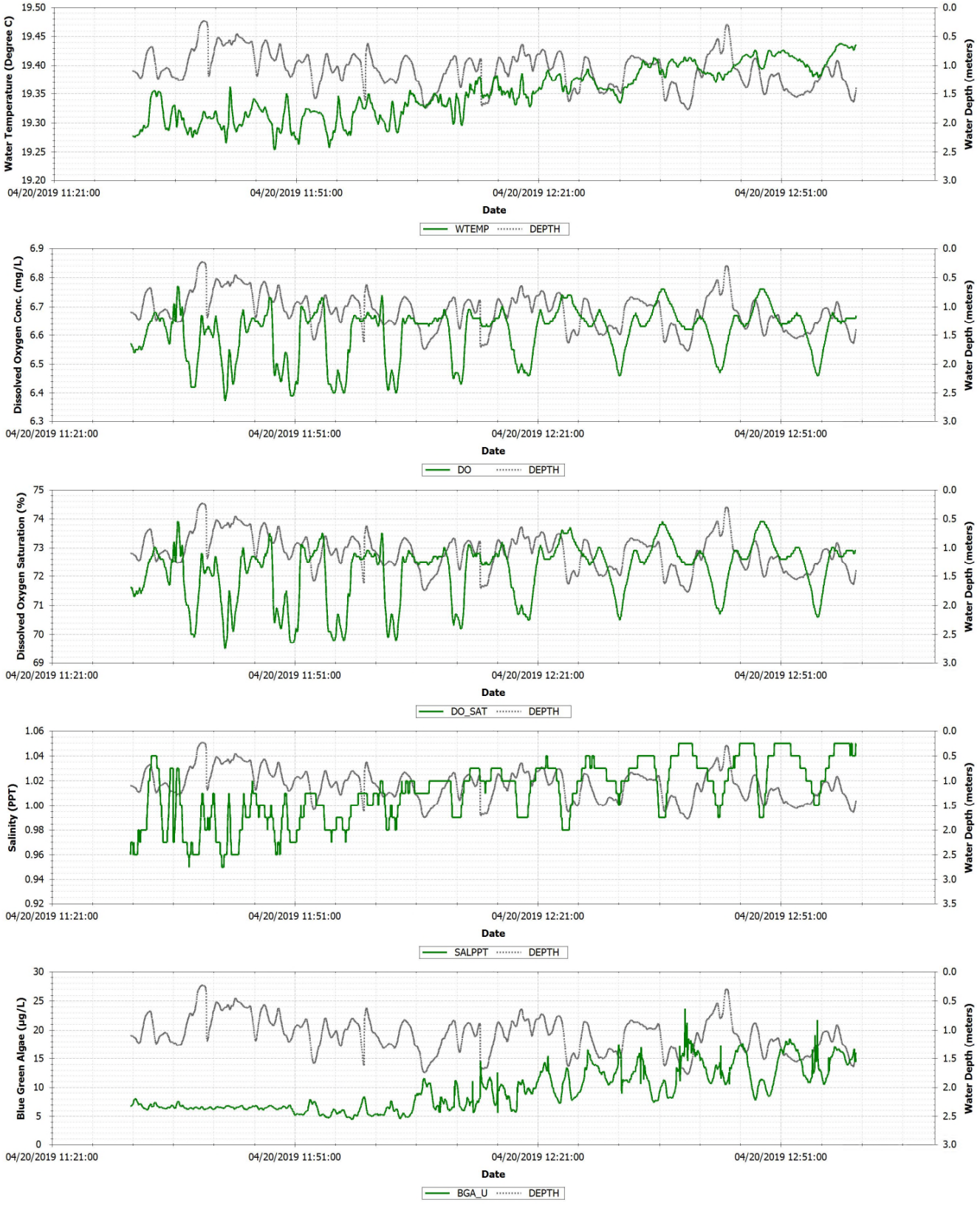


Figure C-192 Back River April 20, 2019 flood tide traveling profile period 2 observations (LBR_042019_005)

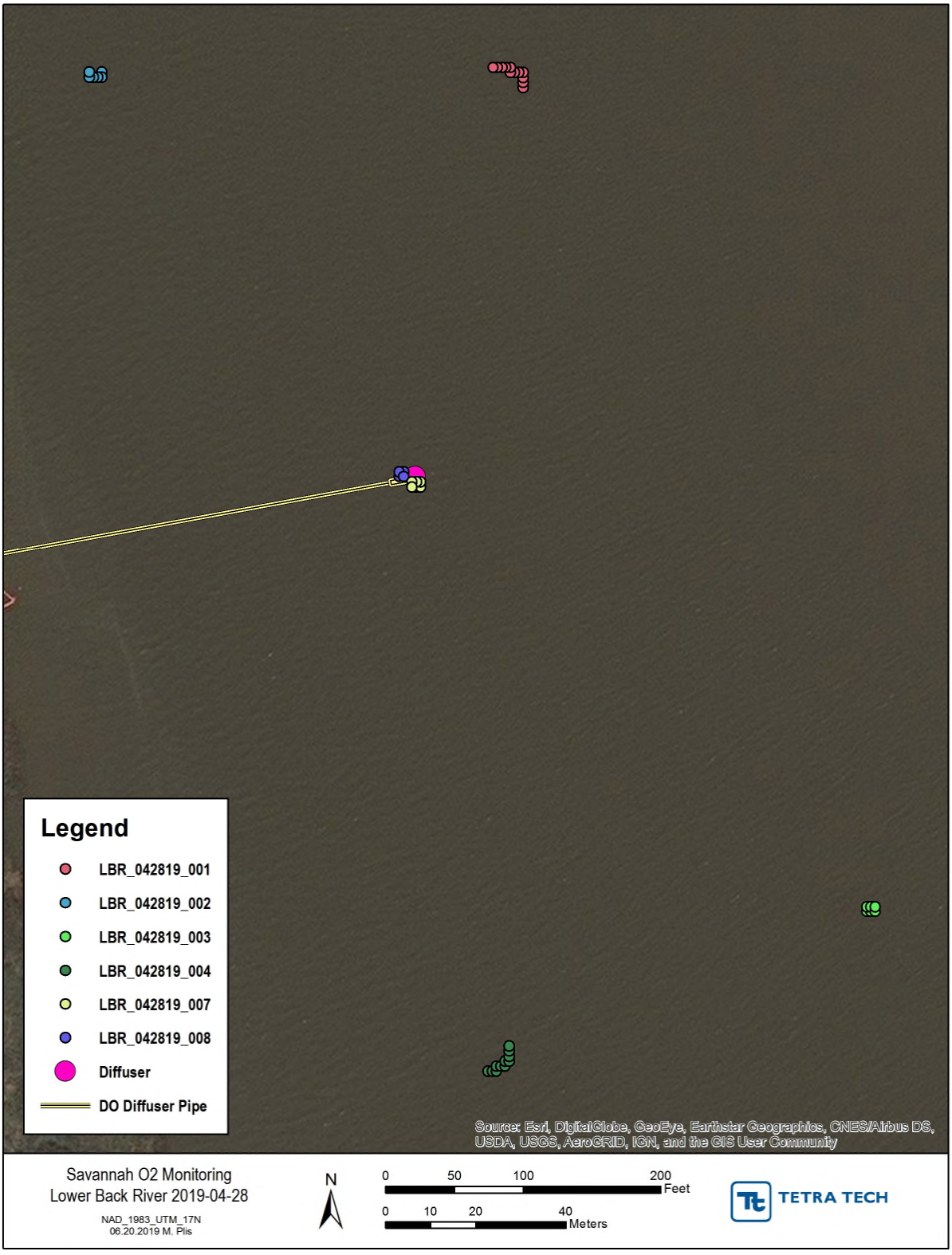


Figure C-193 Back River April 28, 2019 stationary profiles location map

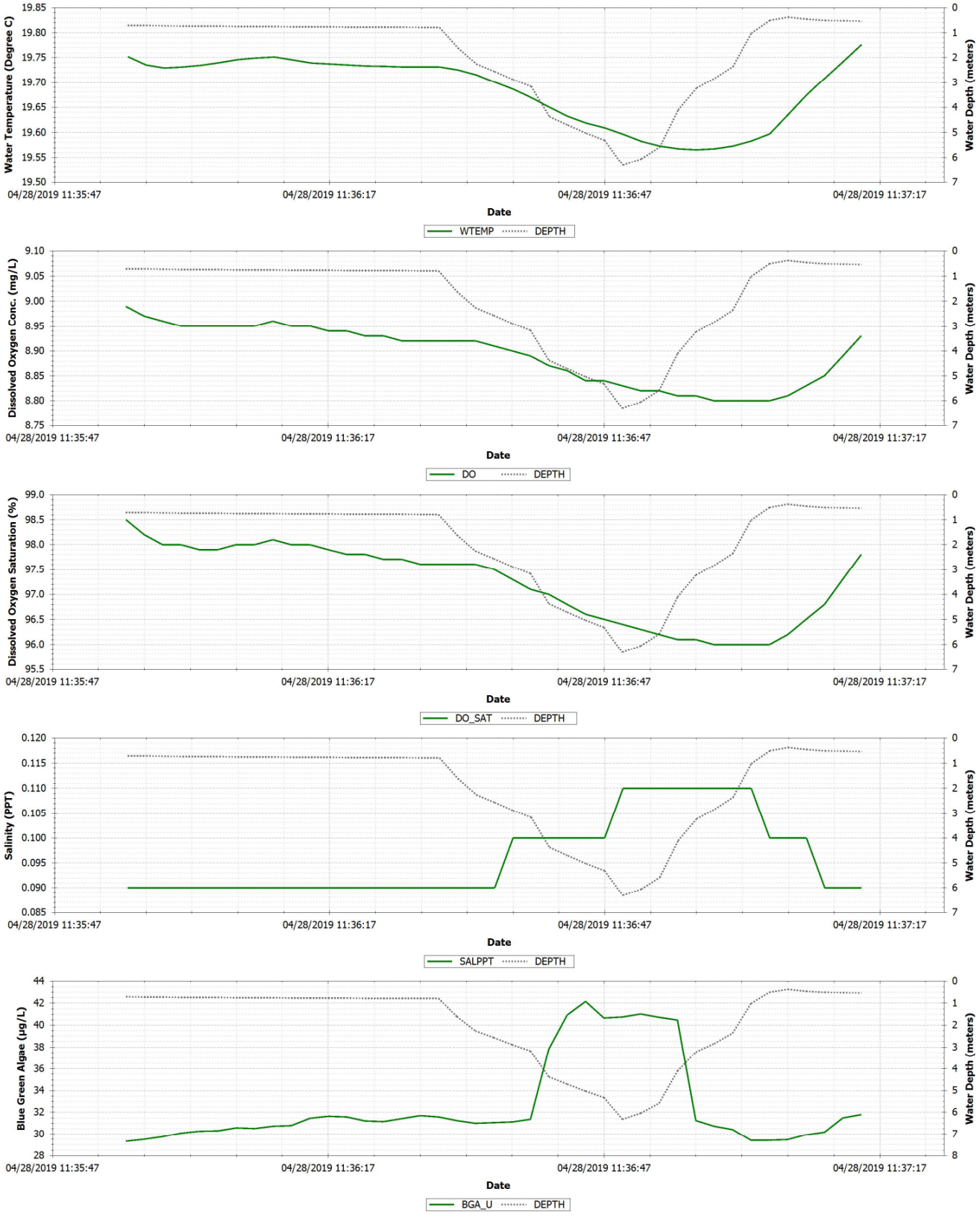


Figure C-194 Back River April 28, 2019 northeast buoy ebb tide stationary profile observations (LBR_042819_001)

Figure C-195 Back River April 28, 2019 northwest buoy ebb tide stationary profile observations (LBR_042819_002)

Figure C-196 Back River April 28, 2019 southeast buoy ebb tide stationary profile observations (LBR_042819_003)

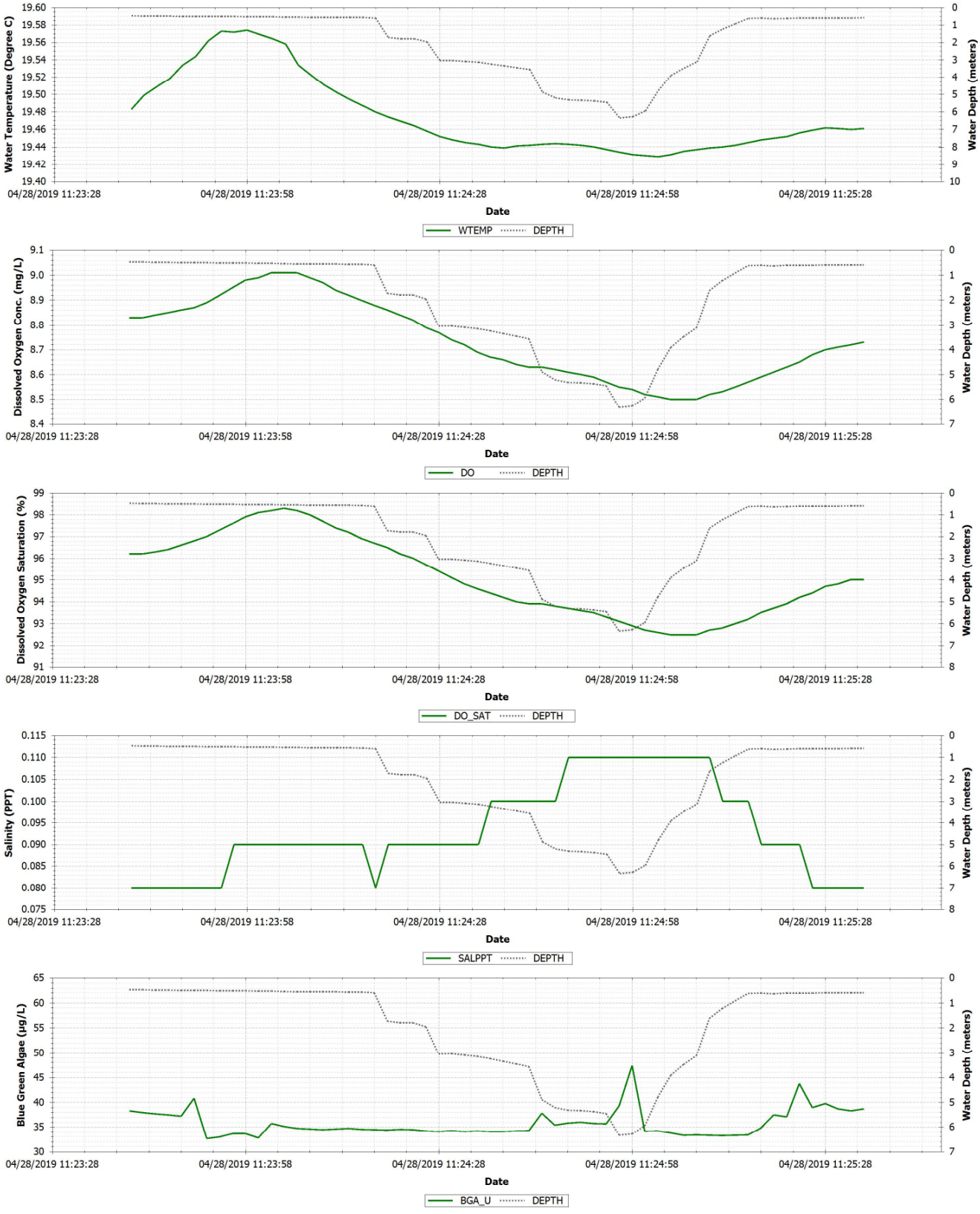


Figure C-197 Back River April 28, 2019 southwest buoy ebb tide stationary profile observations (LBR_042819_004)

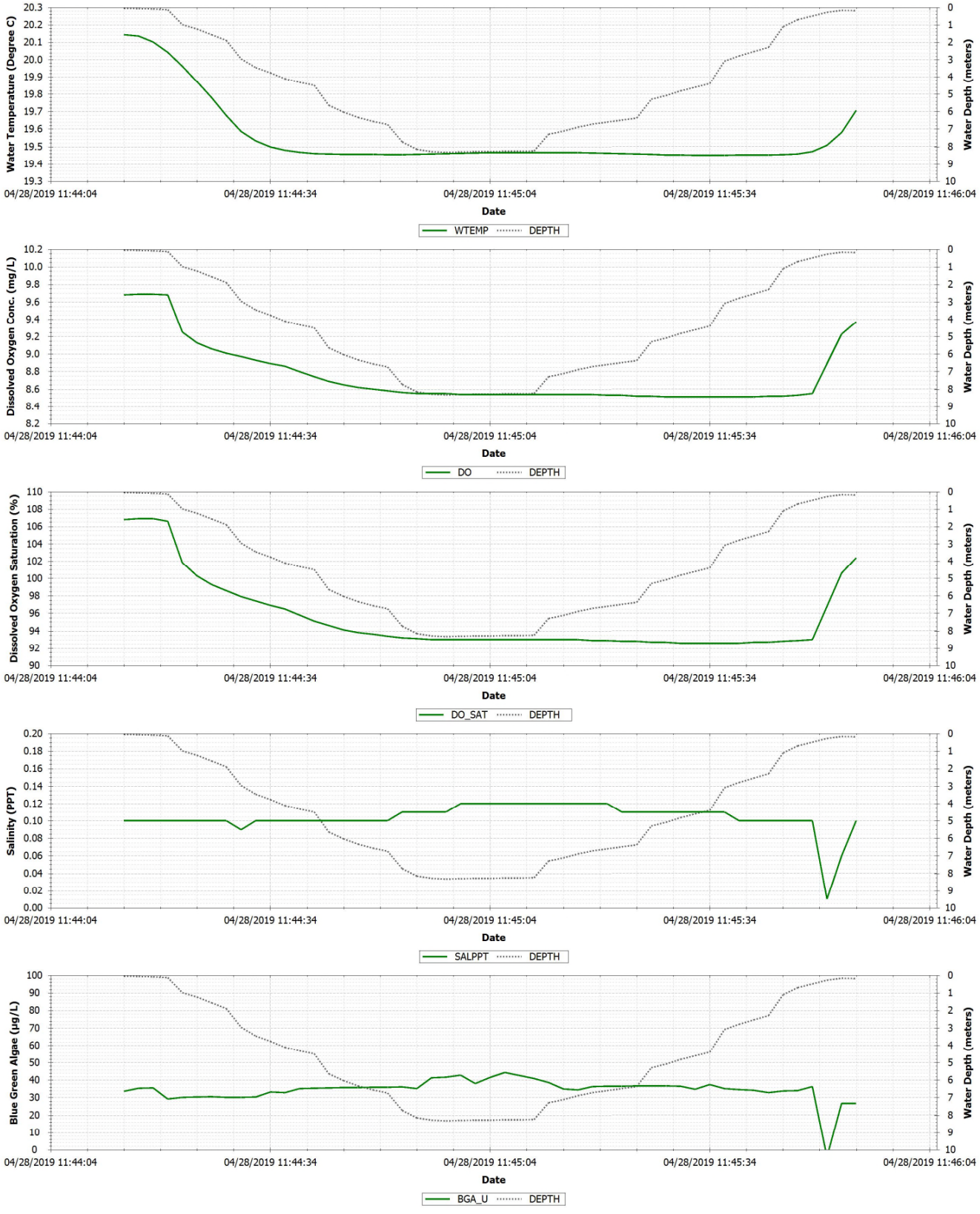


Figure C-198 Back River April 28, 2019 east platform ebb tide stationary profile observations (LBR_042819_007)

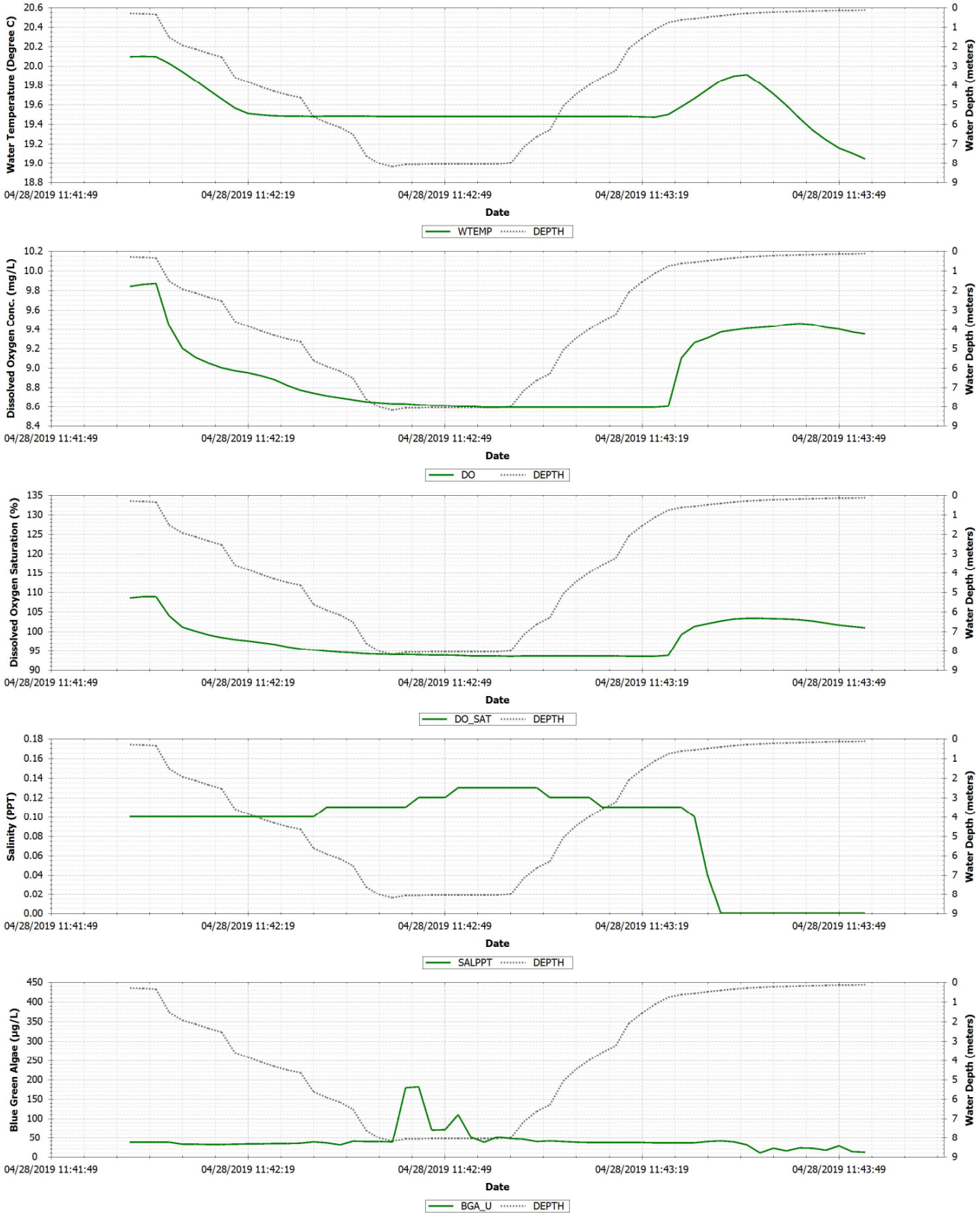


Figure C-199 Back River April 28, 2019 west platform ebb tide stationary profile observations (LBR_042819_008)

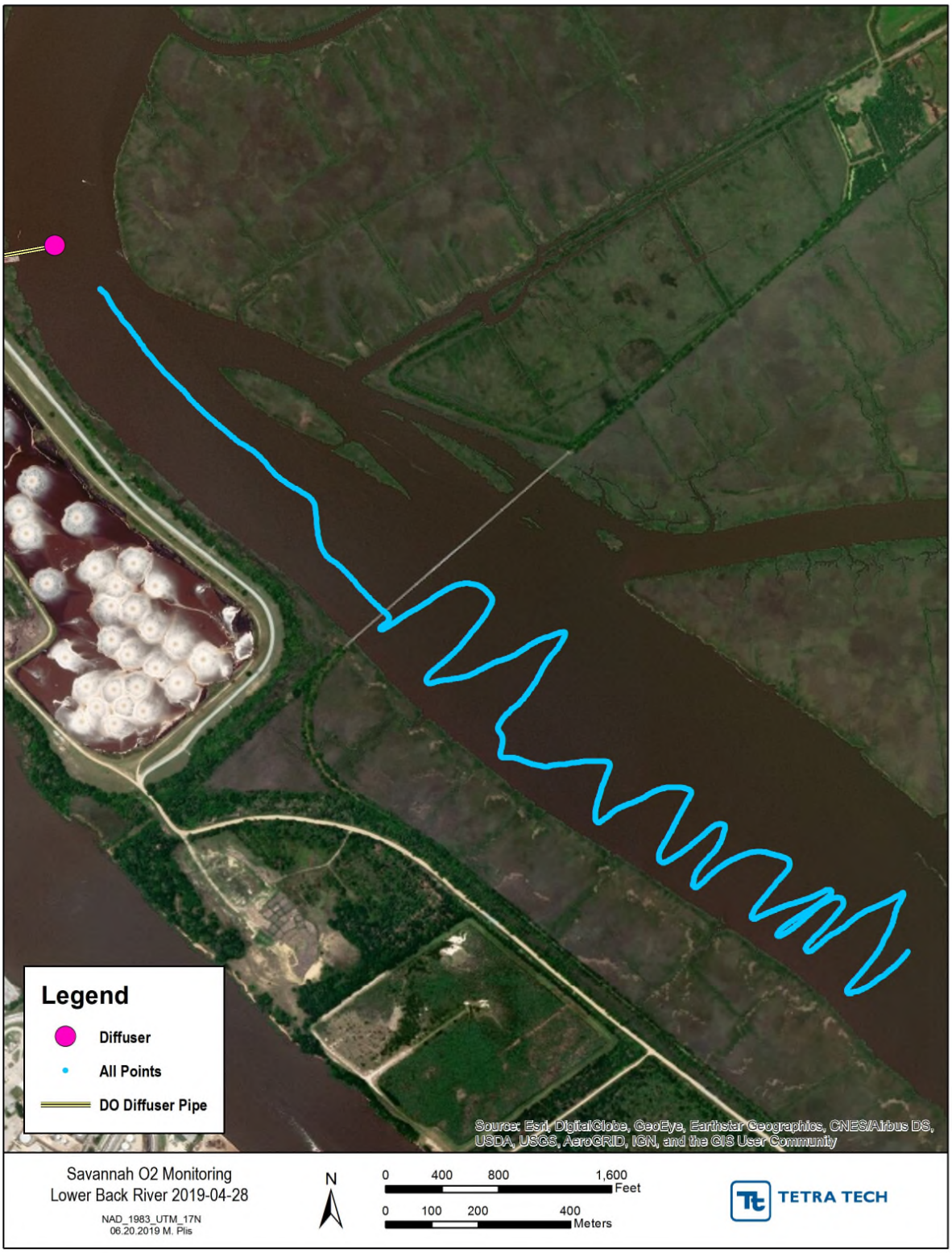


Figure C-200 Back River April 28, 2019 ebb tide traveling profile period 1 location map (LBR_042819_006)

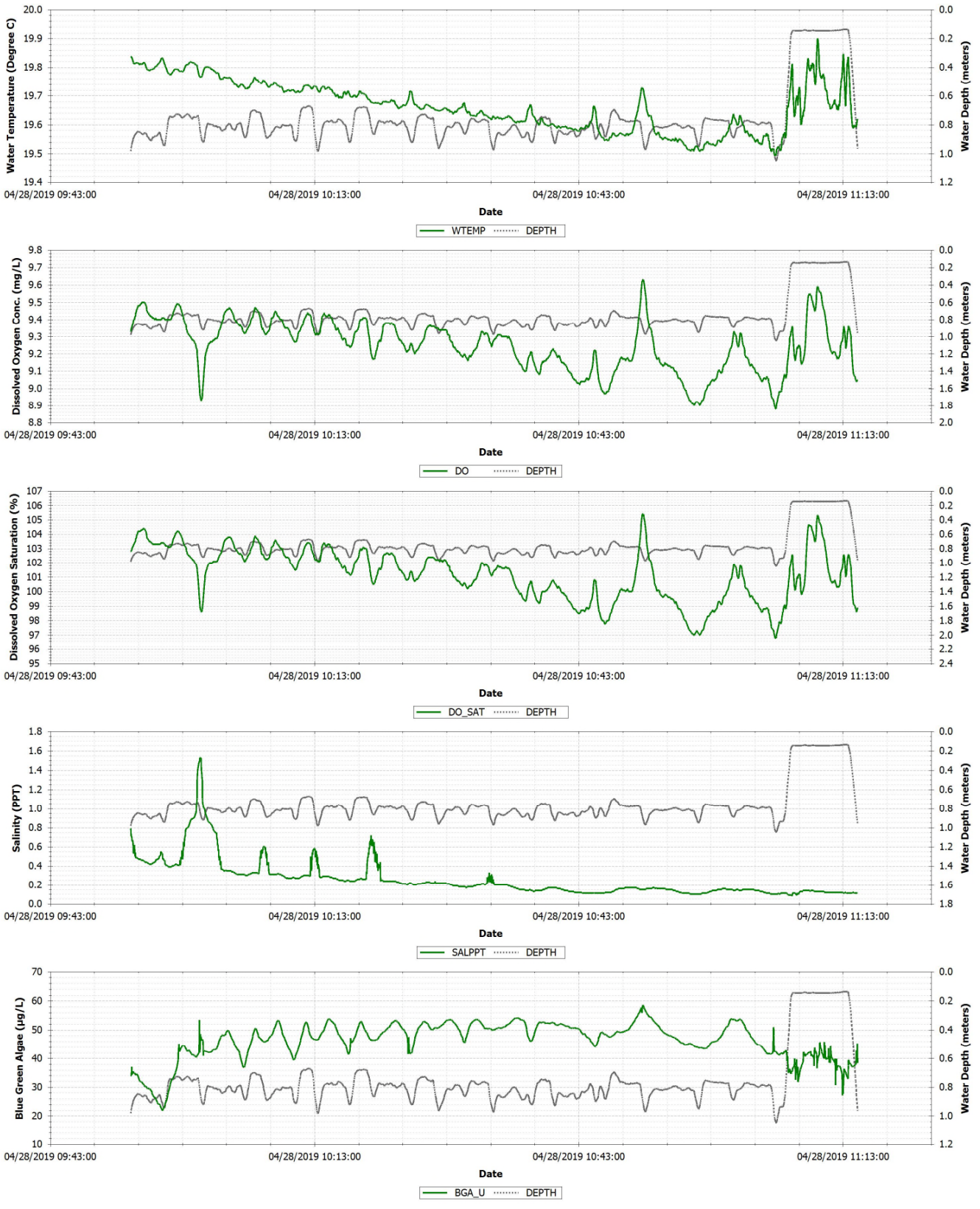


Figure C-201 Back River April 28, 2019 ebb tide traveling profile period 1 observations (LBR_042819_006)

Figure C-202 Back River April 28, 2019 ebb tide traveling profile period 2 location map (LBR_042819_005)

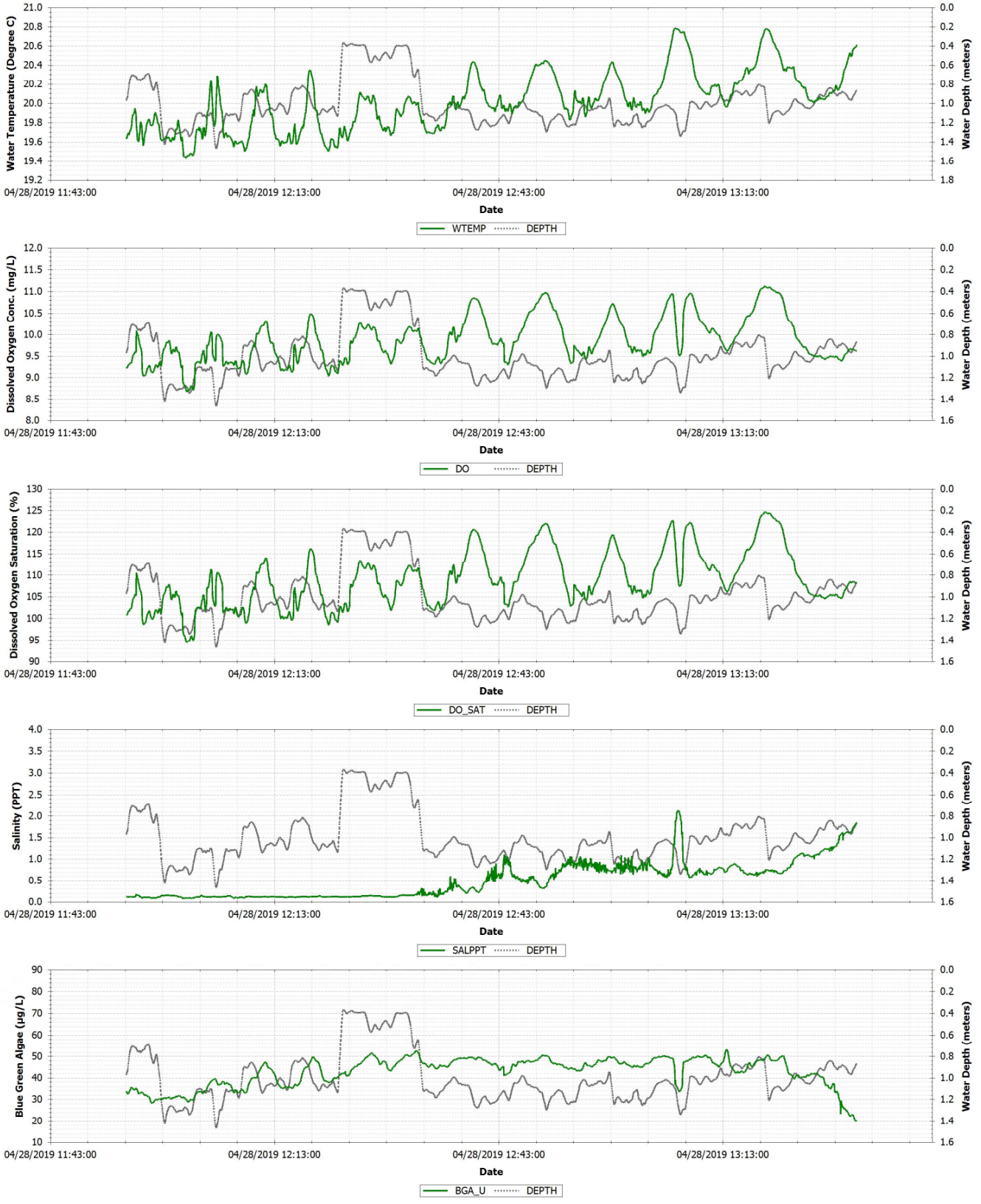


Figure C-203 Back River April 28, 2019 ebb tide traveling profile period 2 observations (LBR_042819_005)

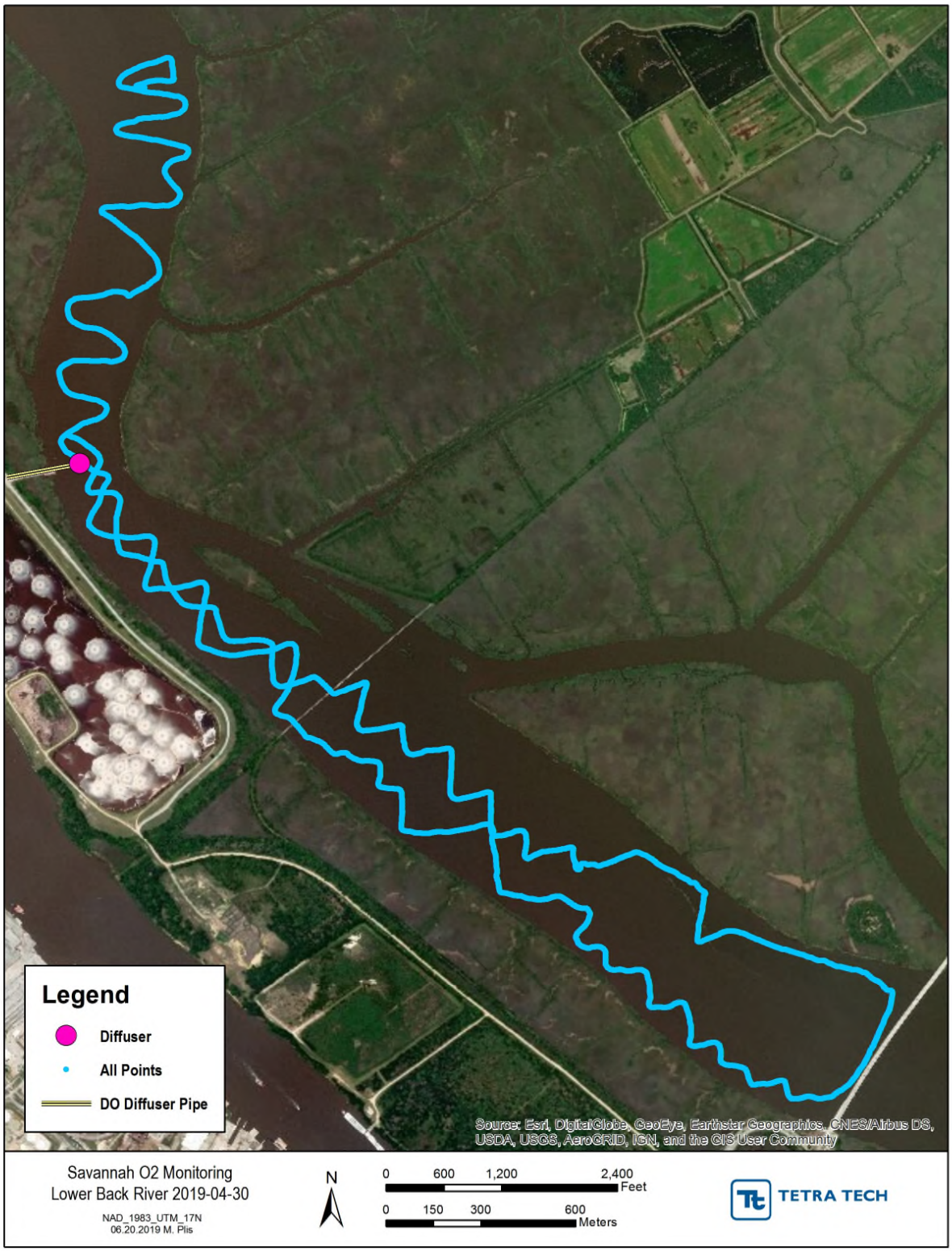


Figure C-204 Back River April 30, 2019 ebb tide two sonde combo profile location map (LBR_043019_001 and LBR_043019_002)

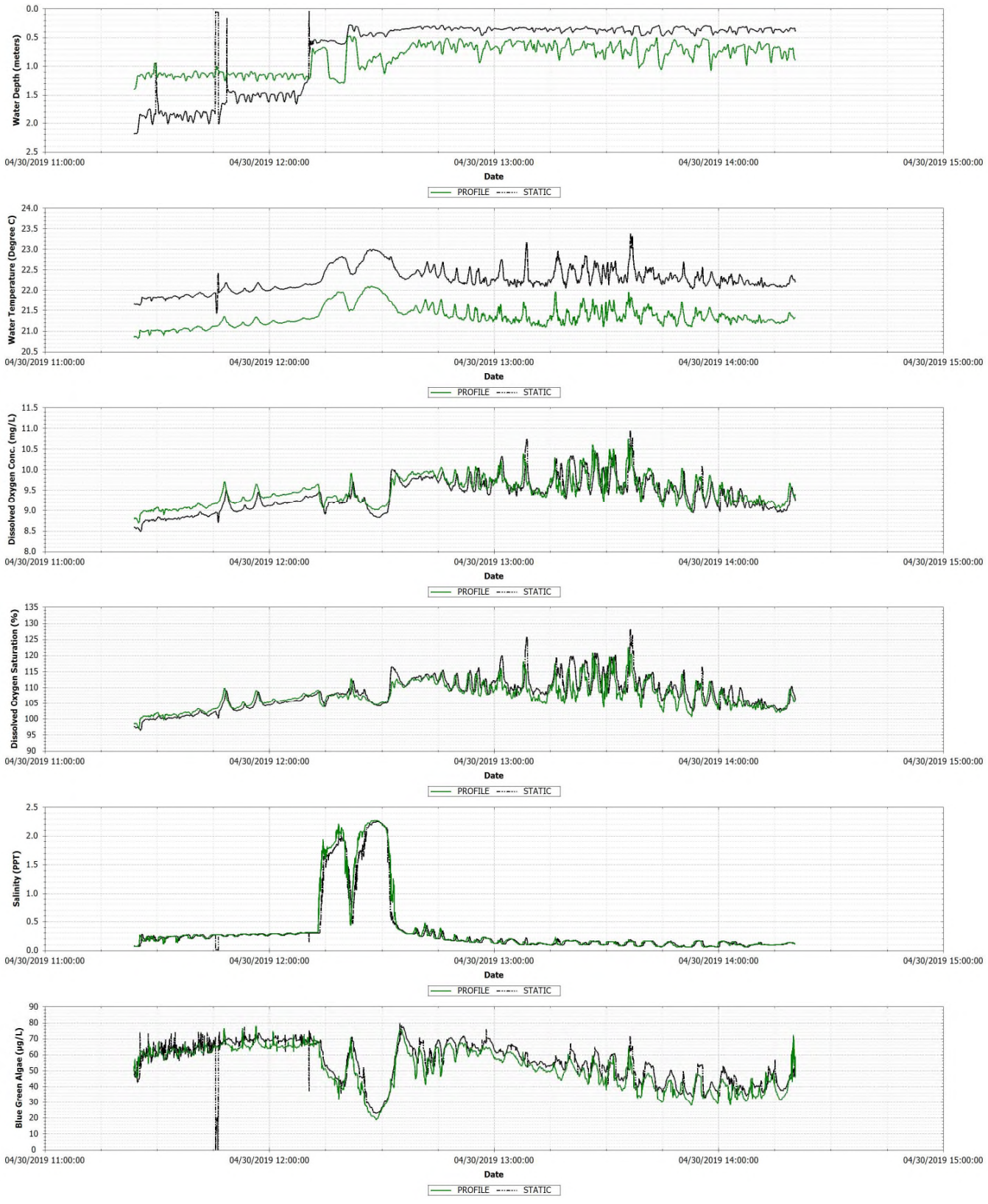


Figure C-205 Back River April 30, 2019 ebb tide two sonde combo profile observations (LBR_043019_001 and LBR_043019_002)

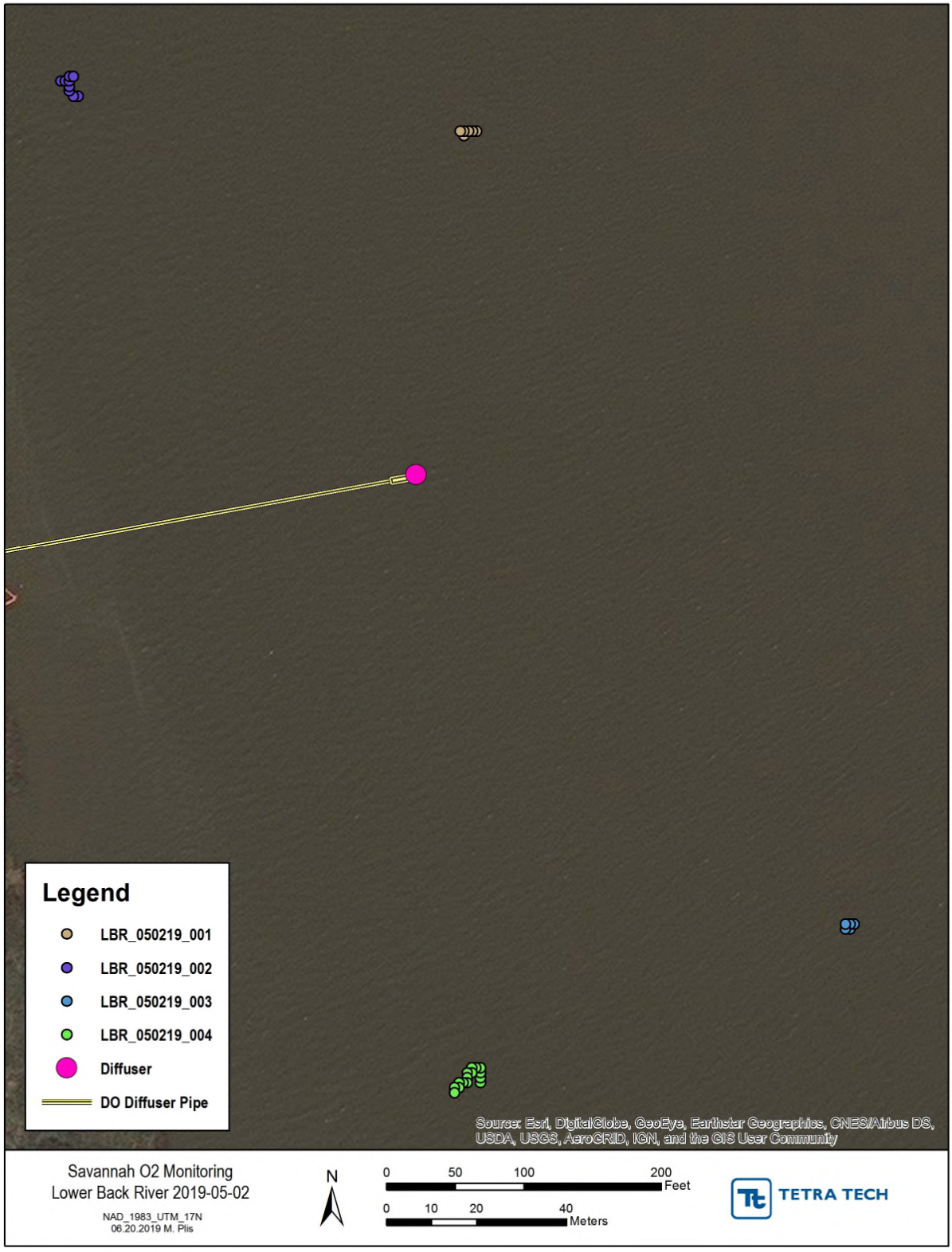


Figure C-206 Back River May 2, 2019 stationary profiles location map

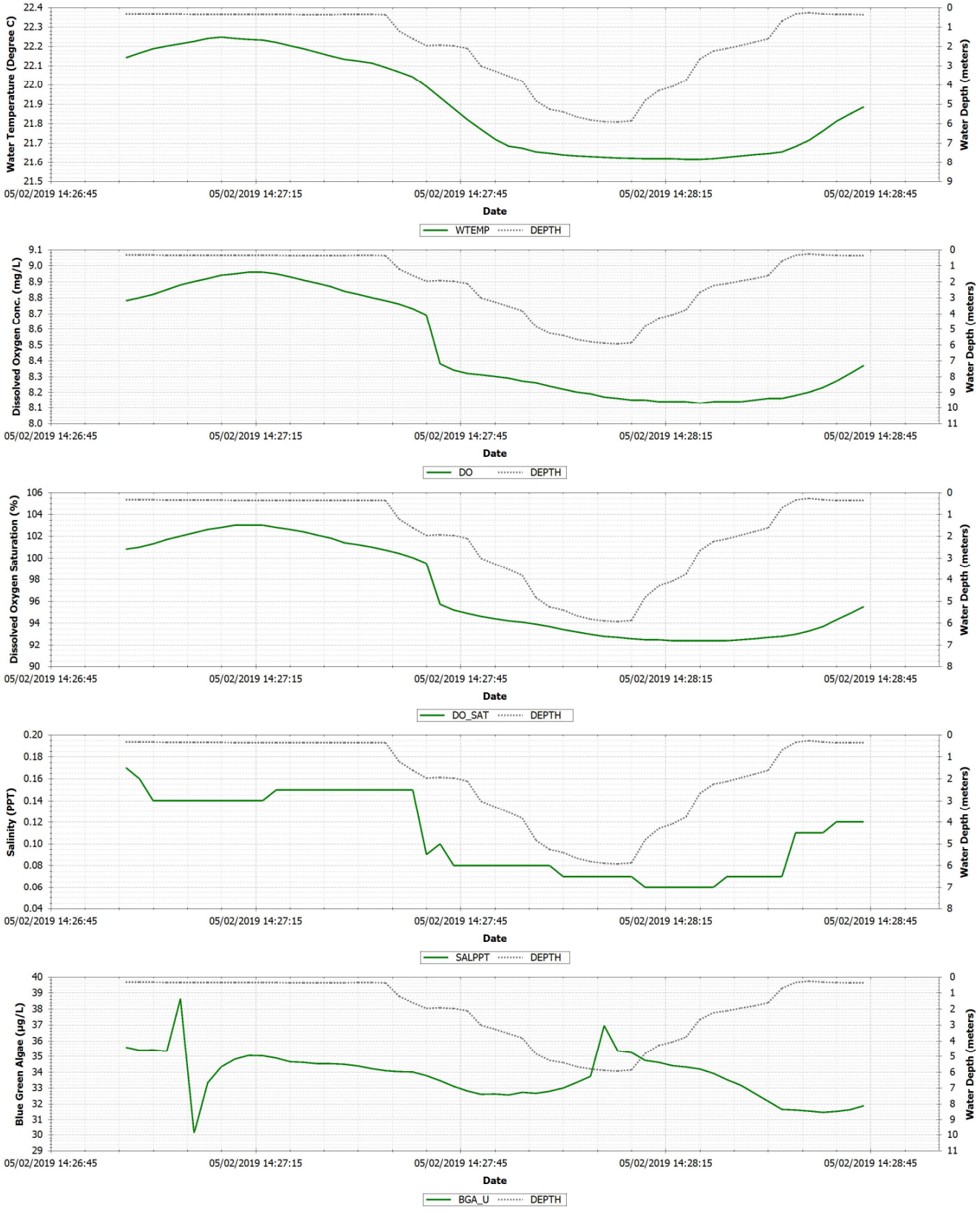


Figure C-207 Back River May 2, 2019 northeast buoy ebb tide stationary profile observations (LBR_050219_001)

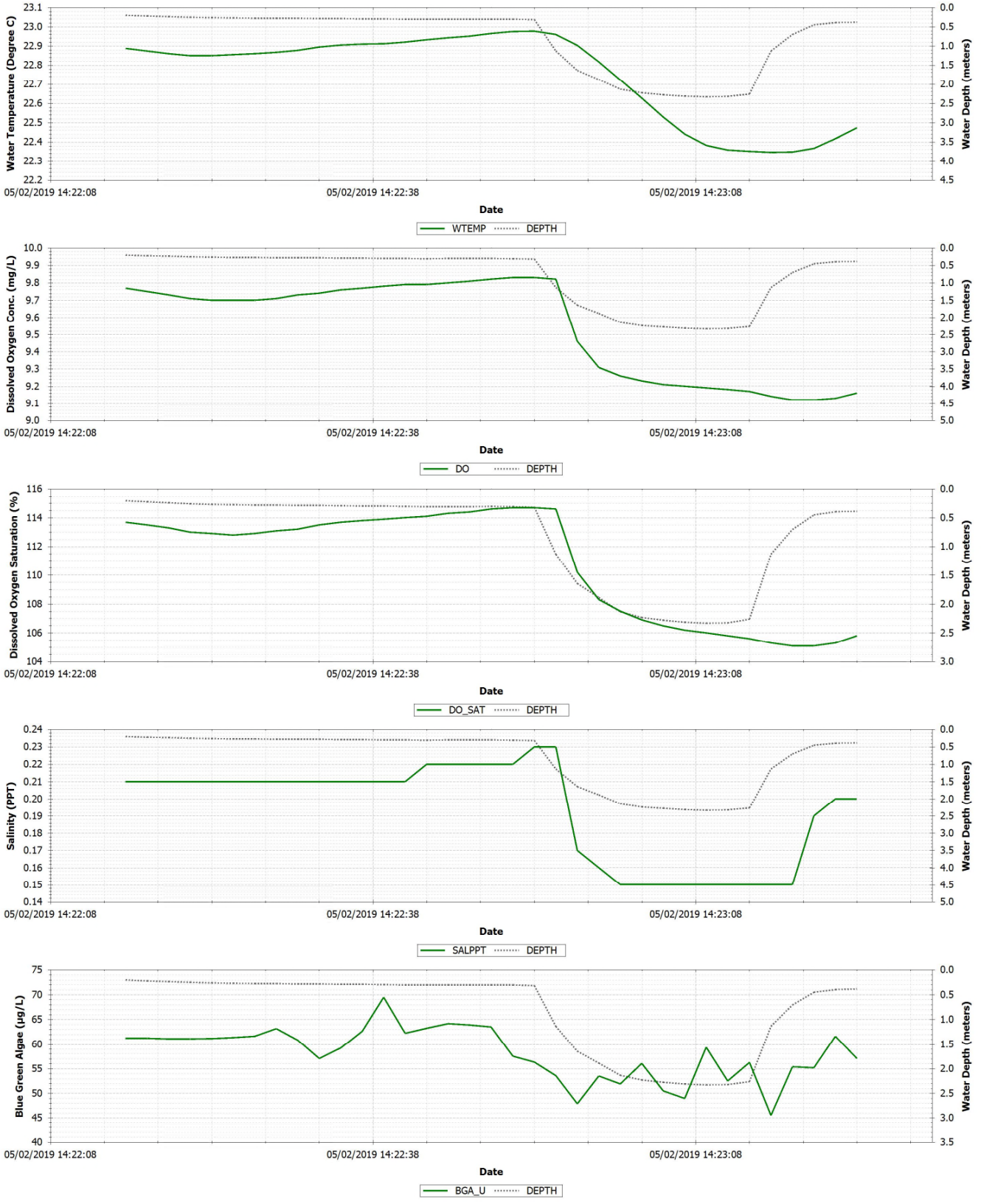


Figure C-208 Back River May 2, 2019 northwest buoy ebb tide stationary profile observations (LBR_050219_002)

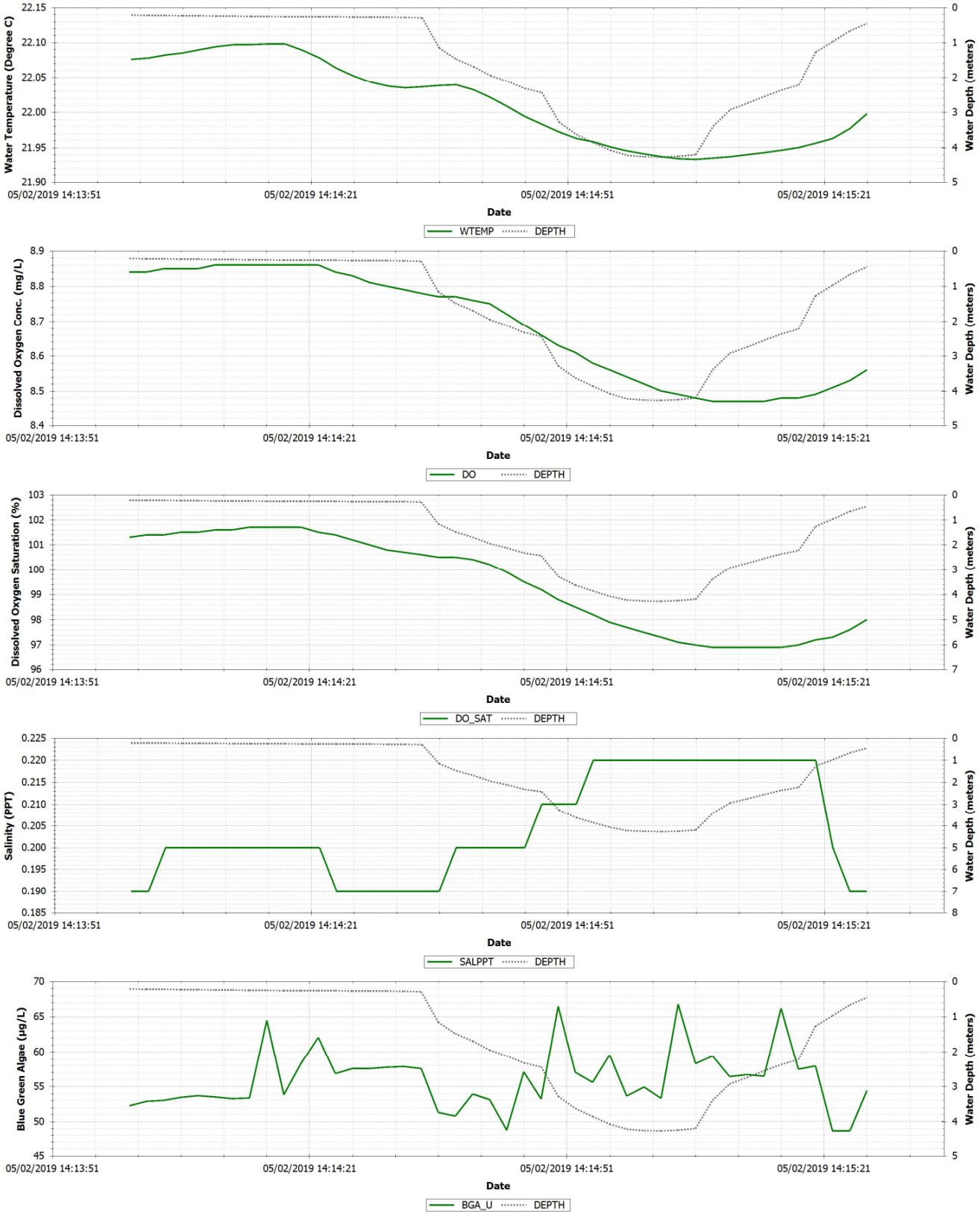


Figure C-209 Back River May 2, 2019 southeast buoy ebb tide stationary profile observations (LBR_050219_003)

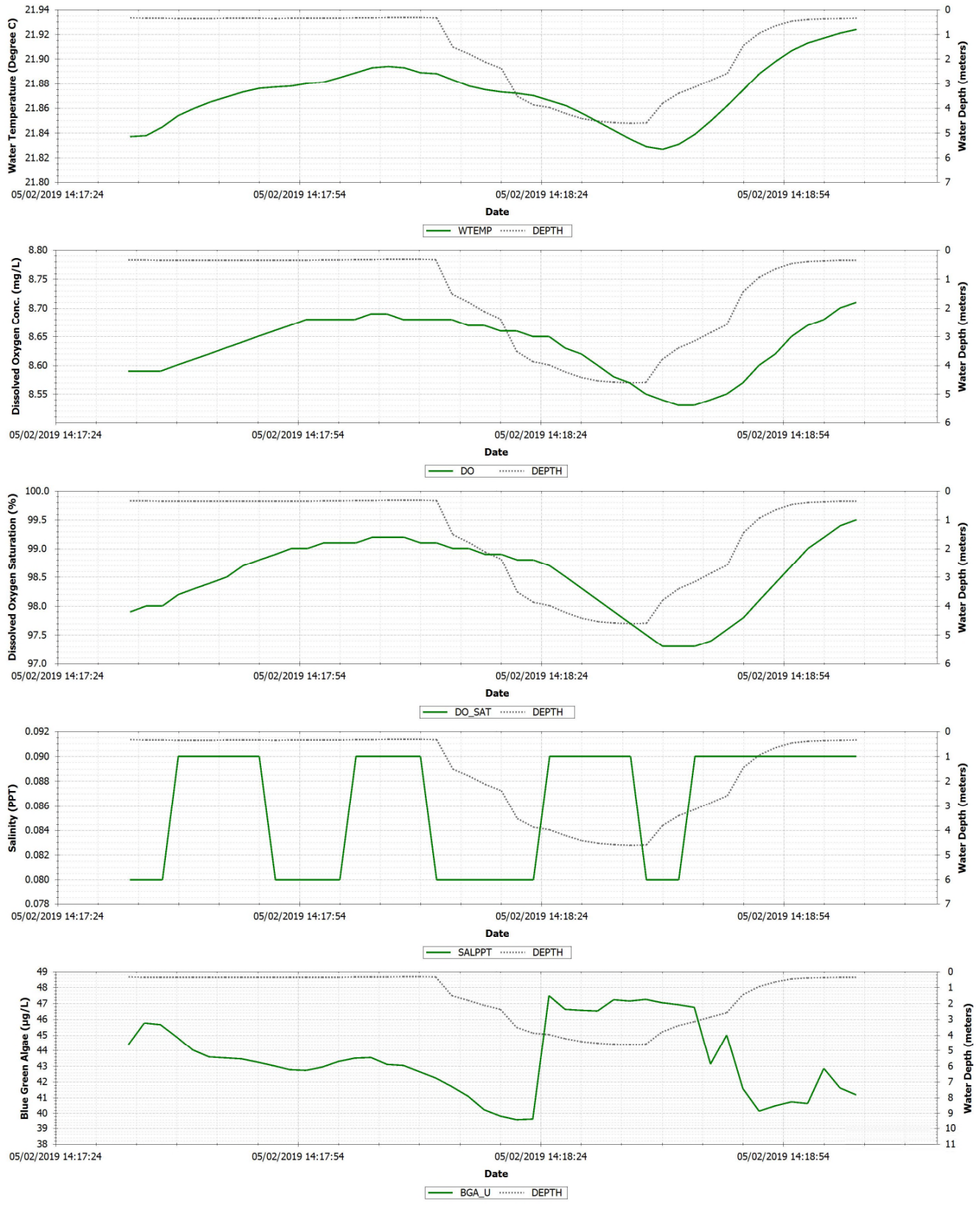


Figure C-210 Back River May 2, 2019 southwest buoy ebb tide stationary profile observations (LBR_050219_004)

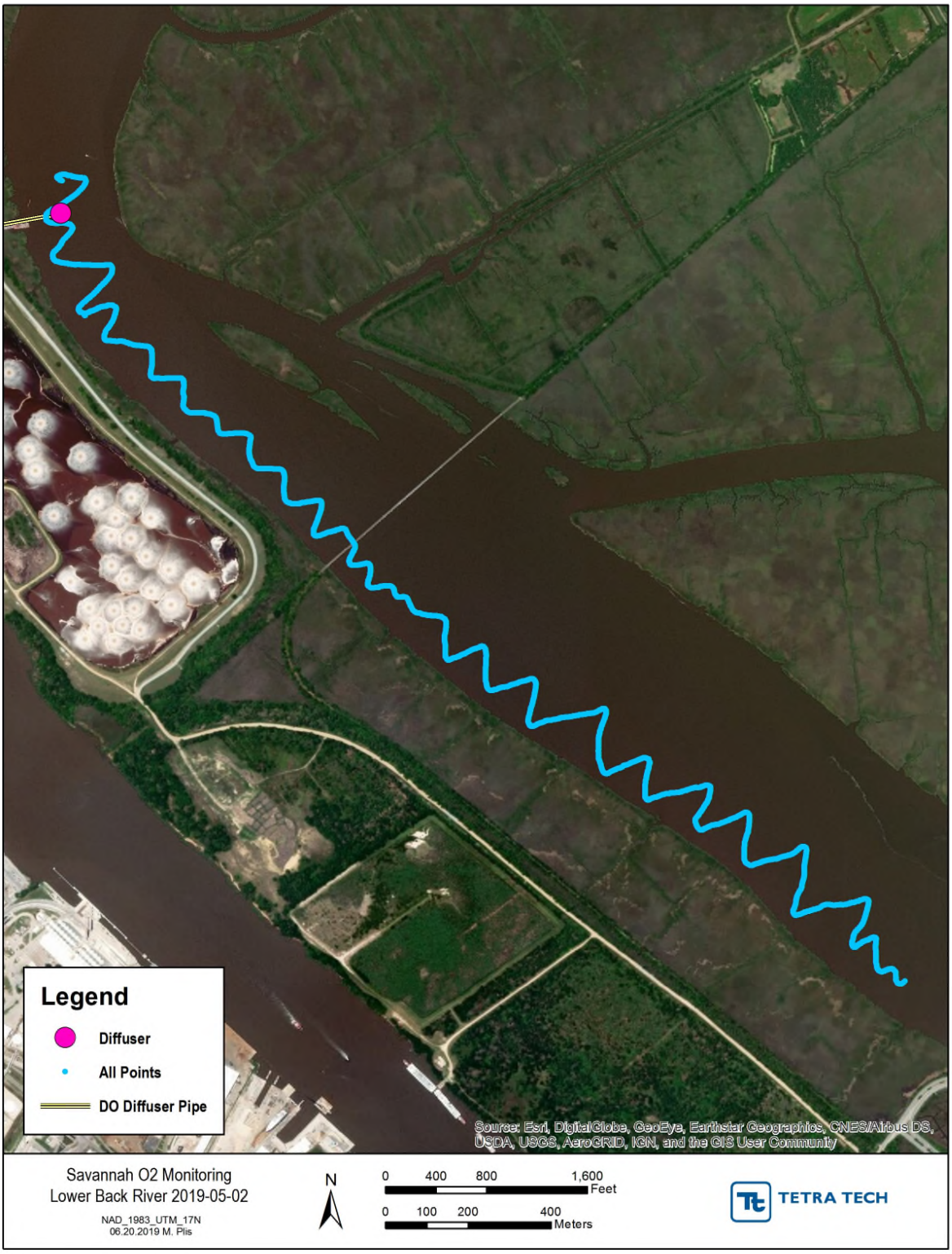


Figure C-211 Back River May 2, 2019 ebb tide two sonde combo profile period 1 location map (LBR_050219_006 and LBR_050219_008)

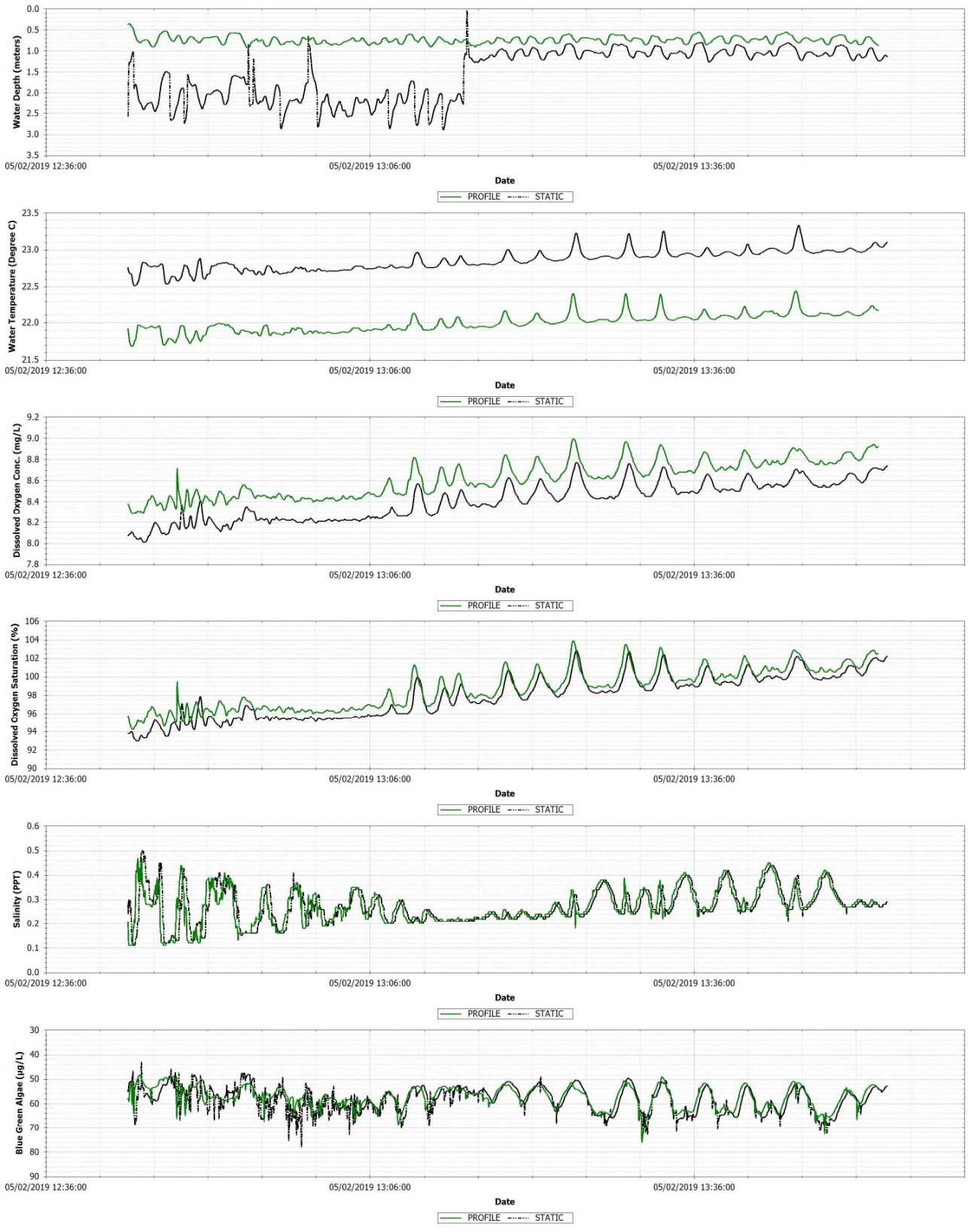


Figure C-212 Back River May 2, 2019 ebb tide two sonde combo profile period 1 observations (LBR_050219_006 and LBR_050219_008)

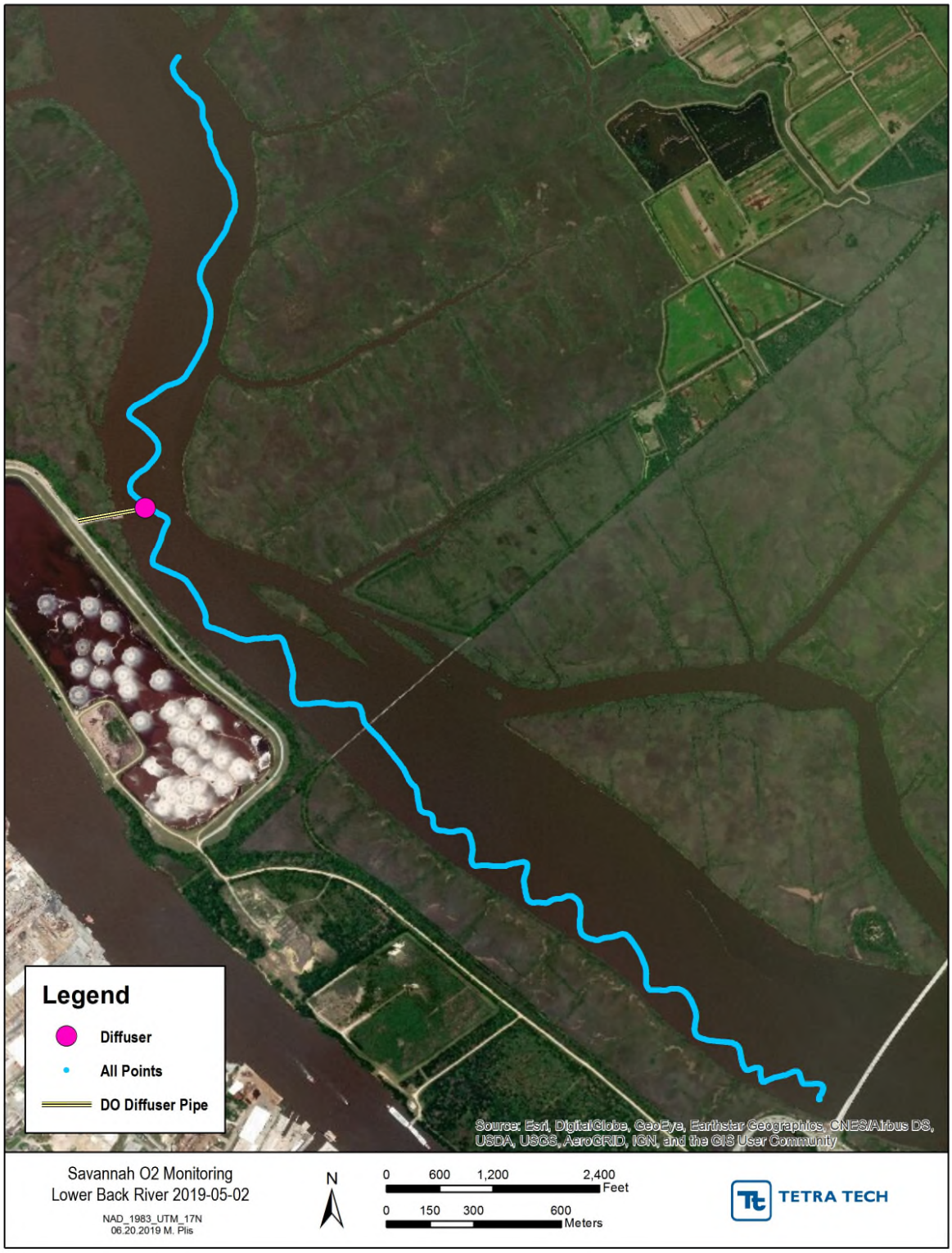


Figure C-213 Back River May 2, 2019 ebb tide two sonde combo profile period 2 location map (LBR_050219_005 and LBR_050219_007)

Figure C-214 Back River May 2, 2019 ebb tide two sonde combo profile period 2 observations (LBR_050219_005 and LBR_050219_007)

Figure C-215 Back River May 4, 2019 flood tide two sonde combo profile location map (LBR_050419_001 and LBR_050419_002)

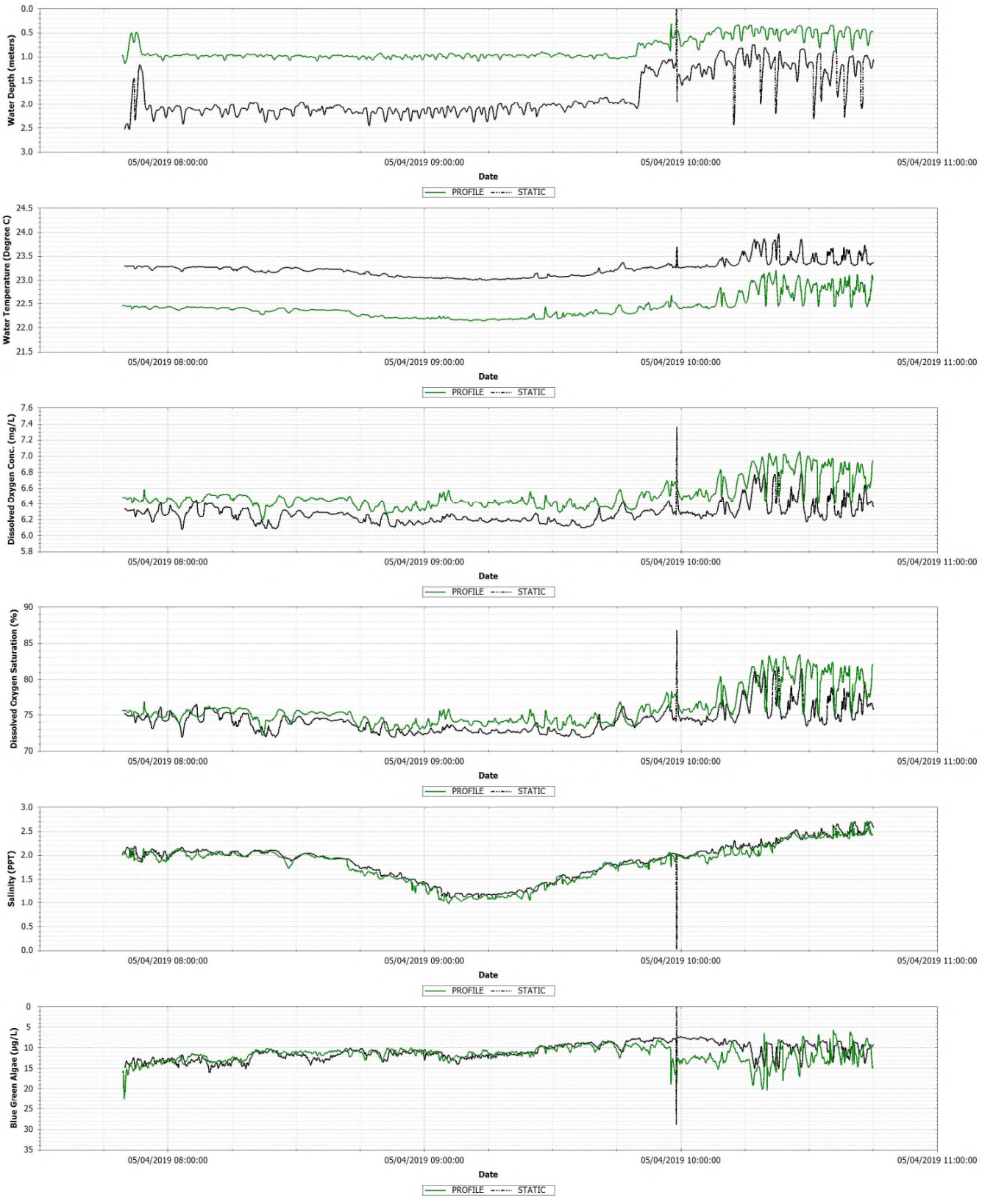


Figure C-216 Back River May 4, 2019 flood tide two sonde combo profile observations (LBR_050419_001 and LBR_050419_002)

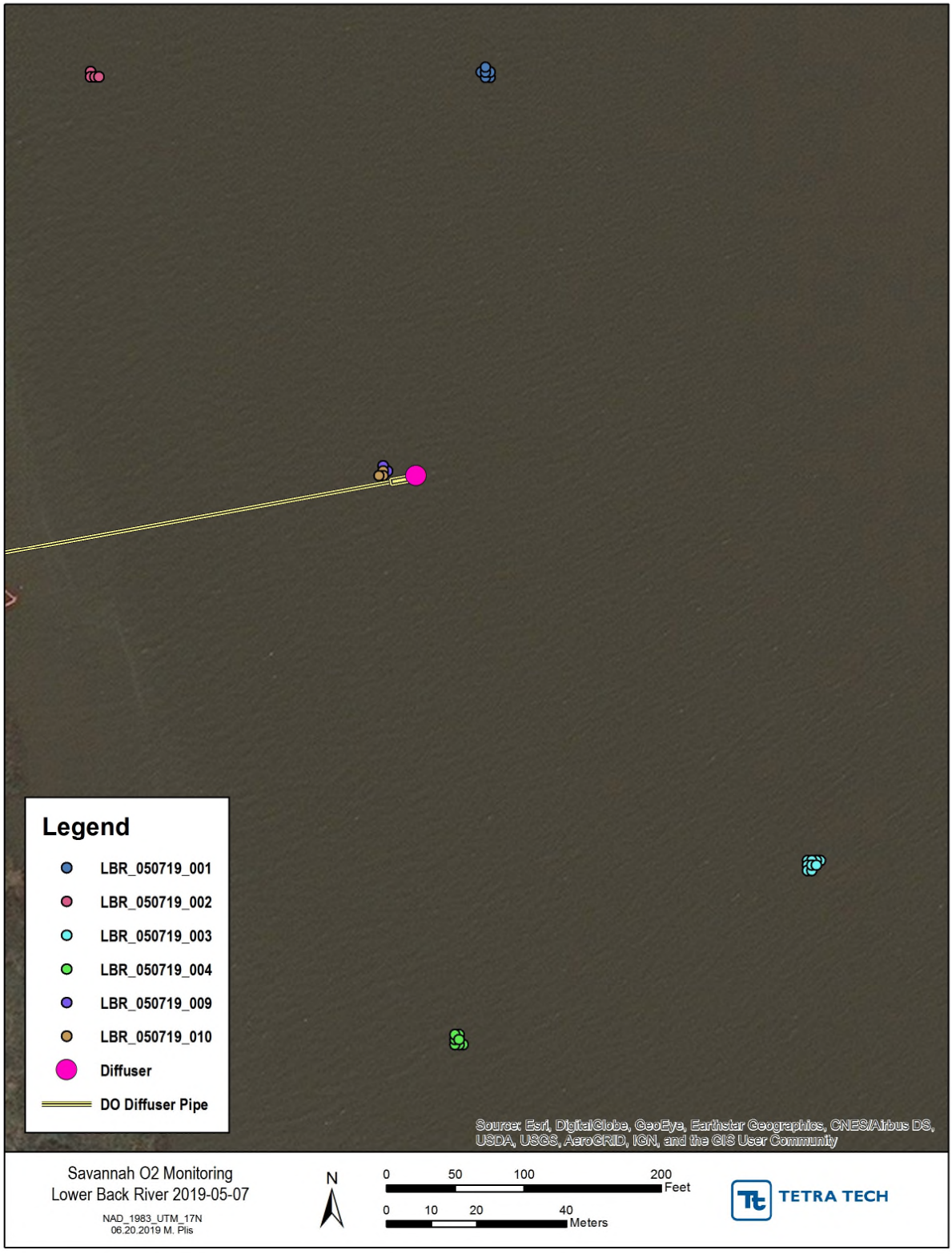


Figure C-217 Back River May 7, 2019 stationary profiles location map

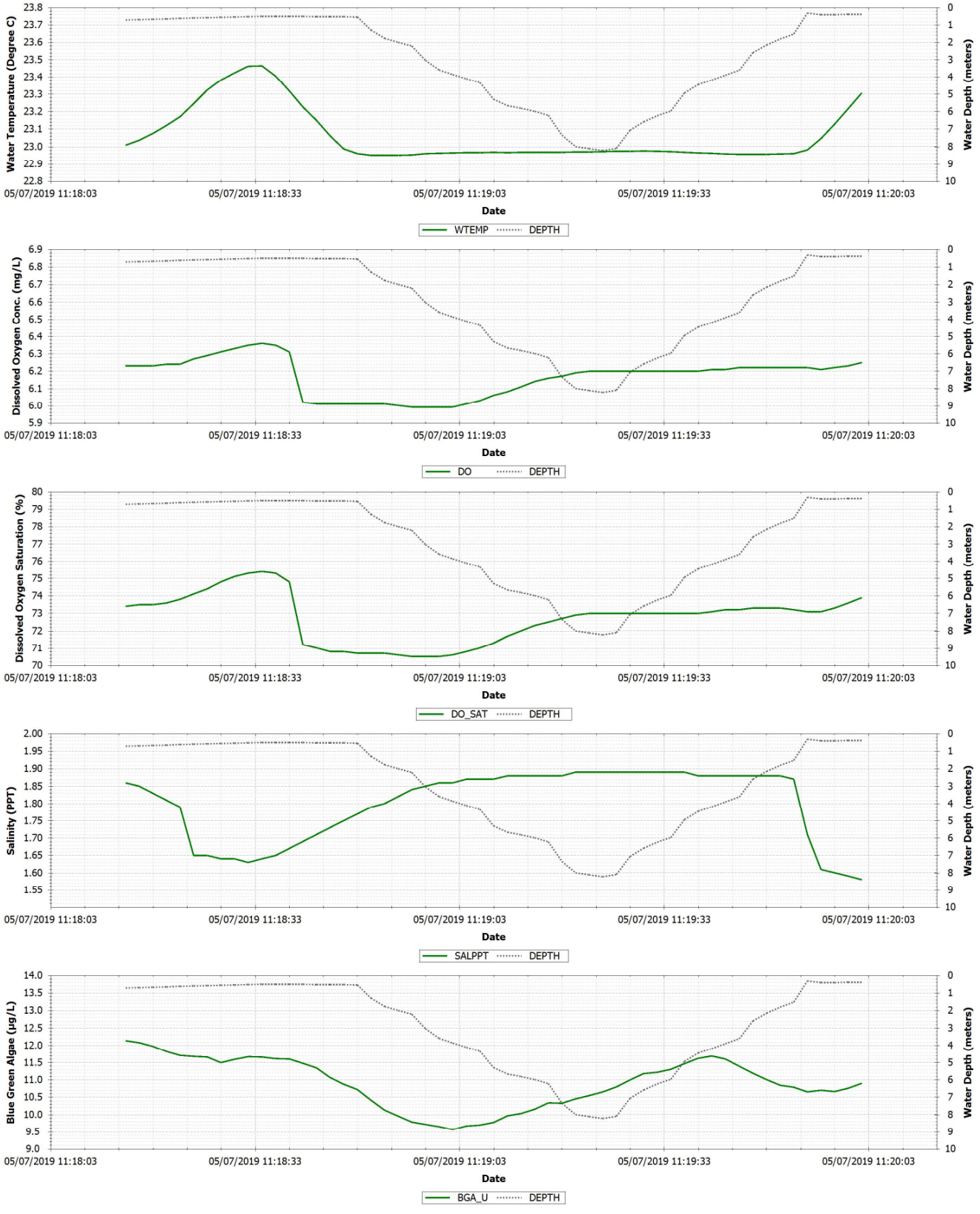


Figure C-218 Back River May 7, 2019 northeast buoy flood tide stationary profile observations (LBR_050719_001)

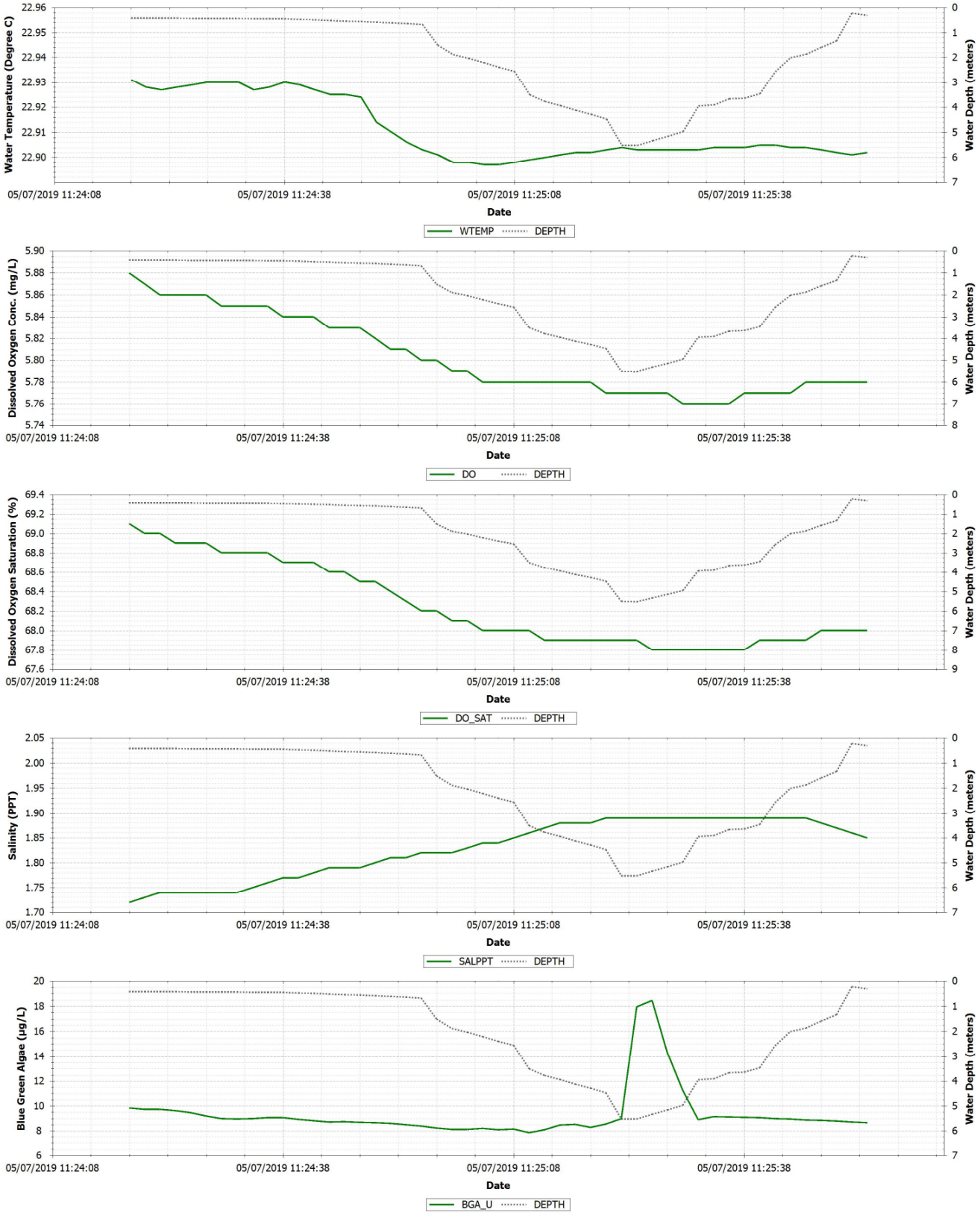


Figure C-219 Back River May 7, 2019 northwest buoy flood tide stationary profile observations (LBR_050719_002)

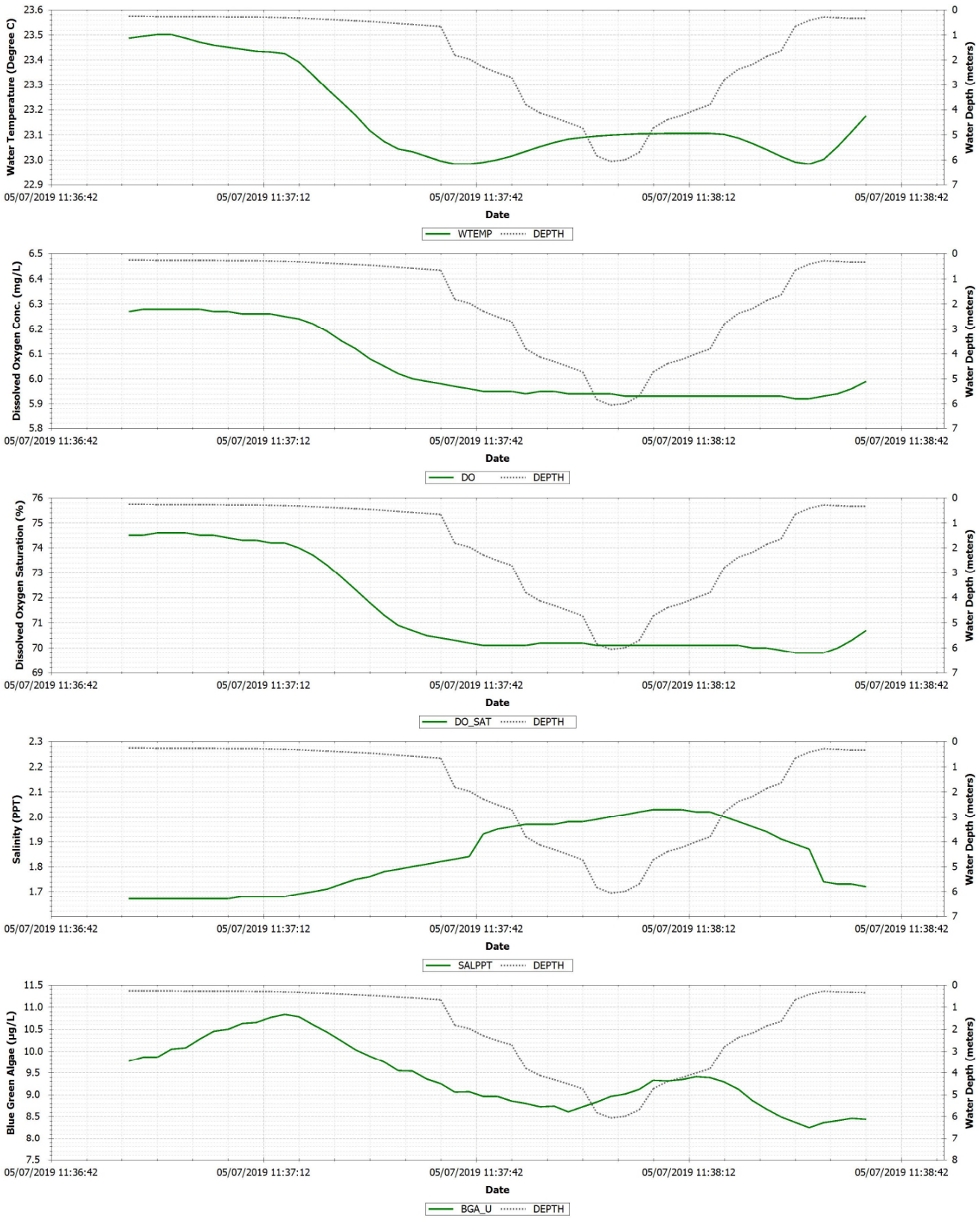


Figure C-220 Back River May 7, 2019 southeast buoy flood tide stationary profile observations (LBR_050719_003)

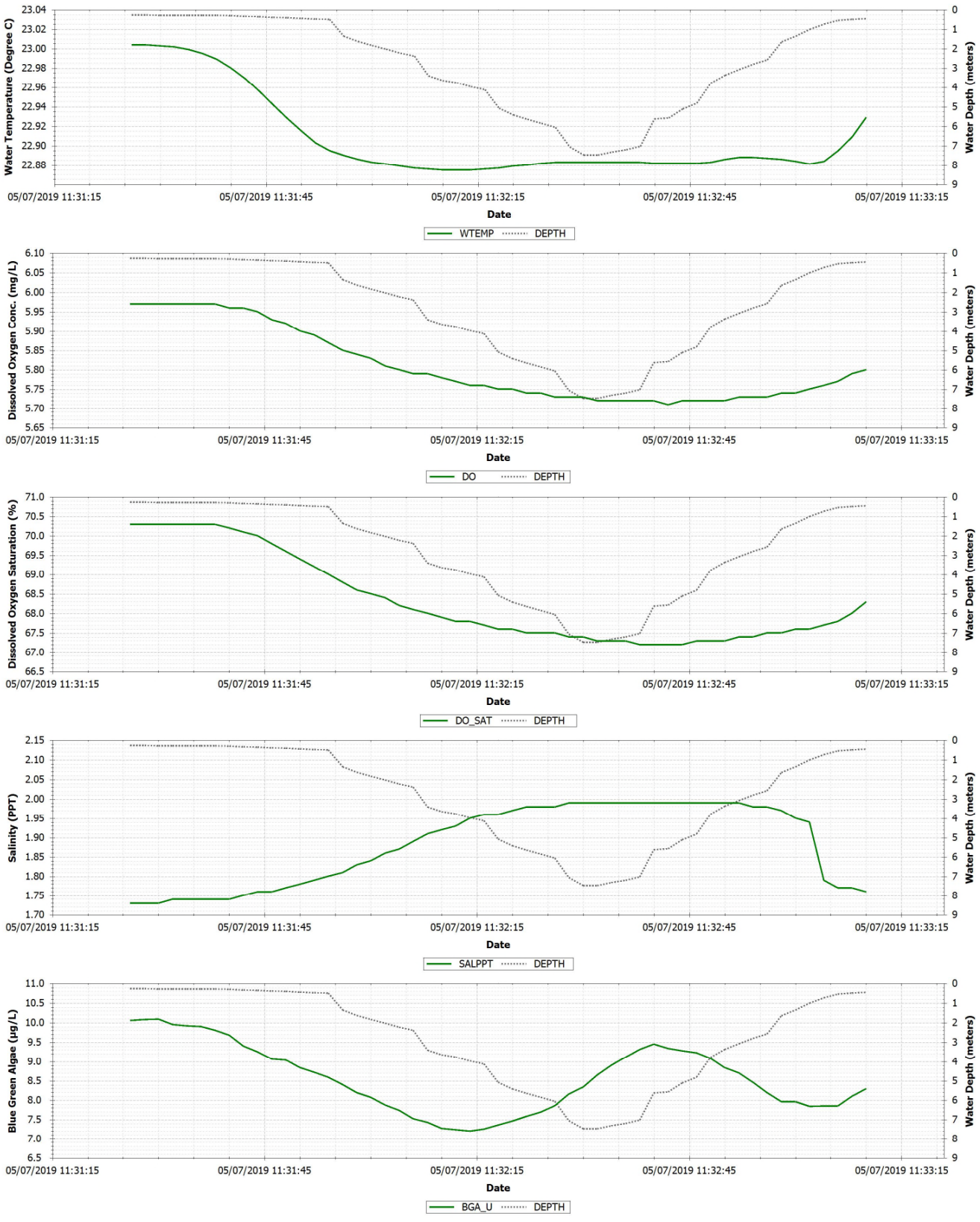


Figure C-221 Back River May 7, 2019 southwest buoy flood tide stationary profile observations (LBR_050719_004)

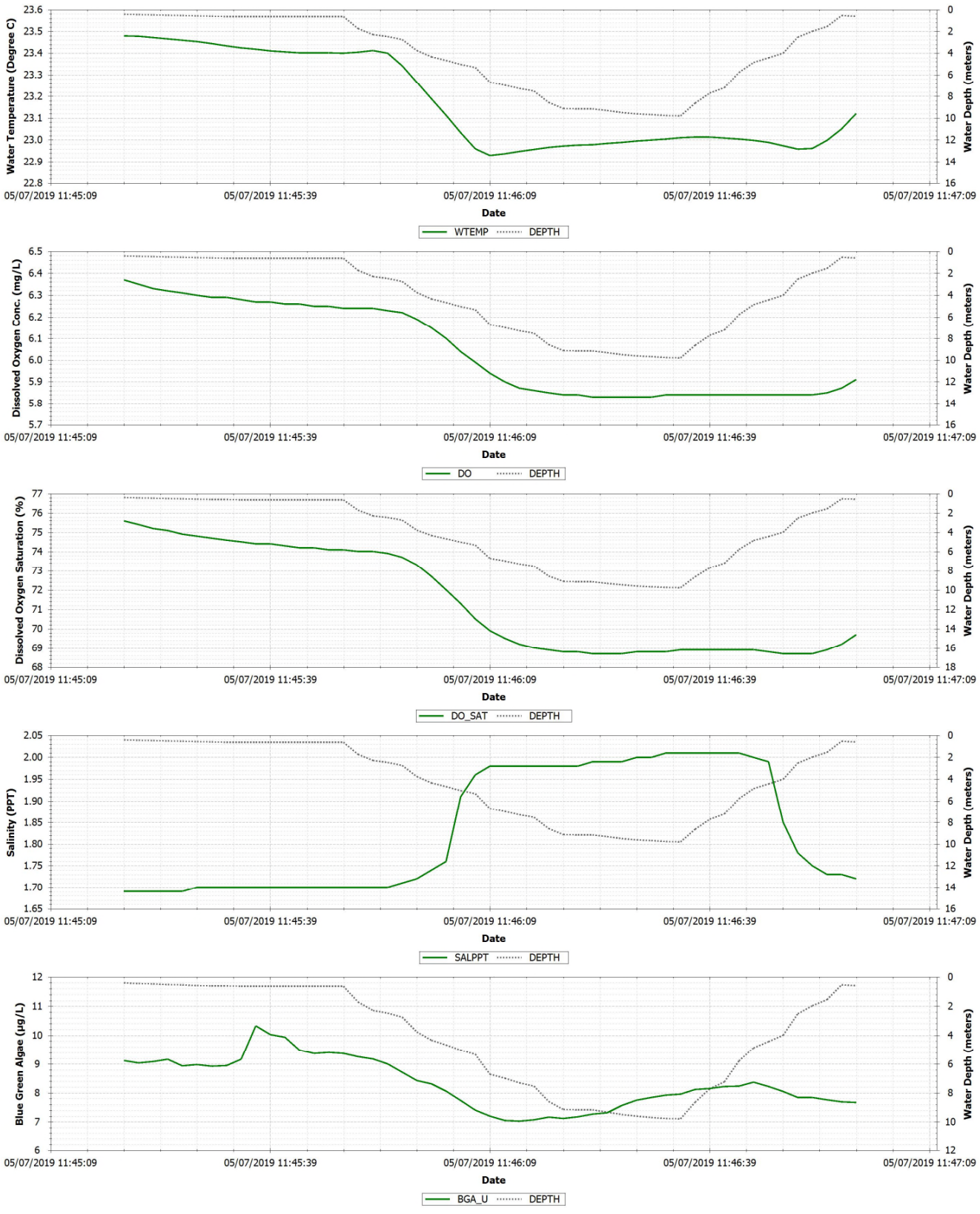


Figure C-222 Back River May 7, 2019 east platform flood tide stationary profile observations (LBR_050719_009)

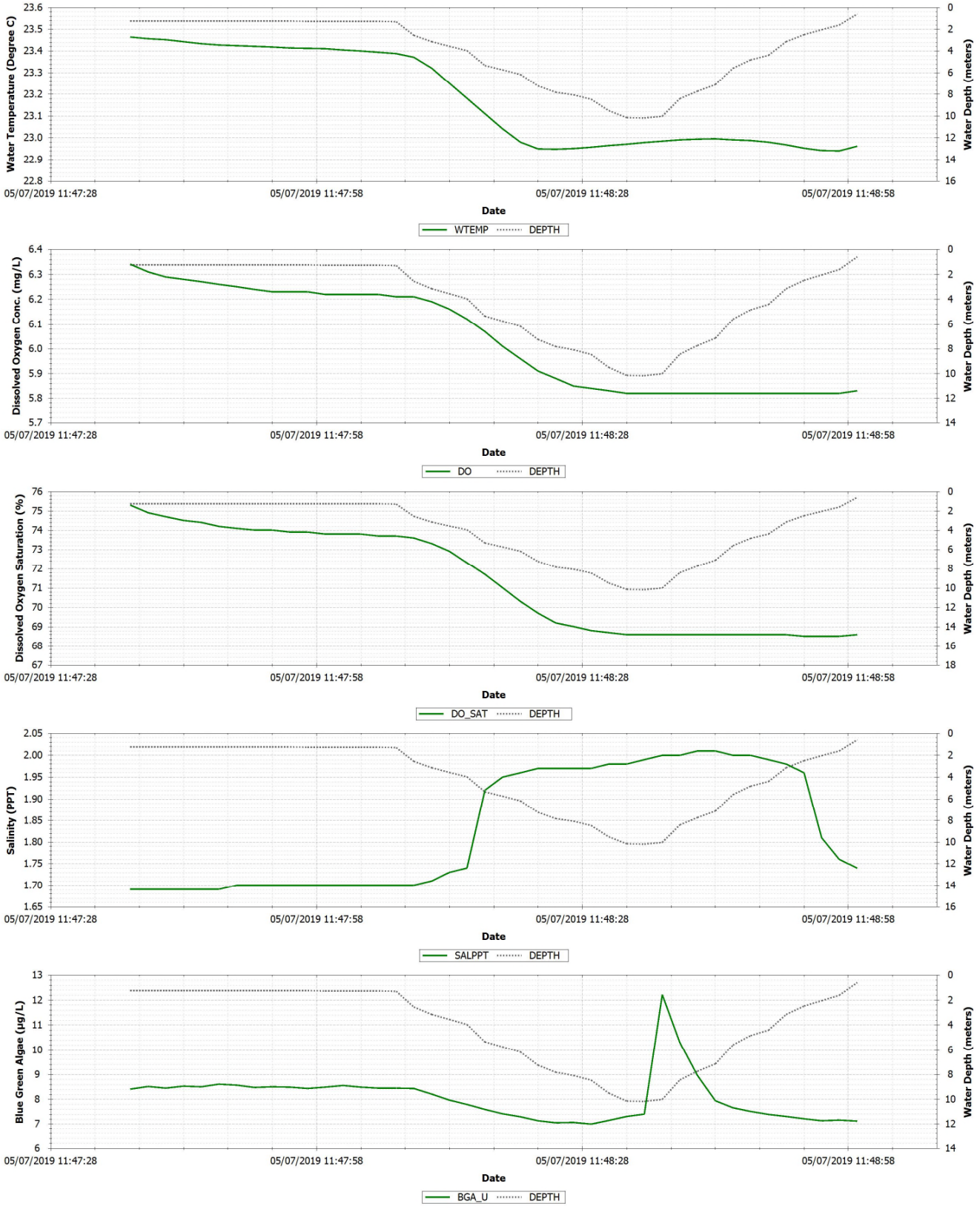


Figure C-223 Back River May 7, 2019 west platform flood tide stationary profile observations (LBR_050719_010)

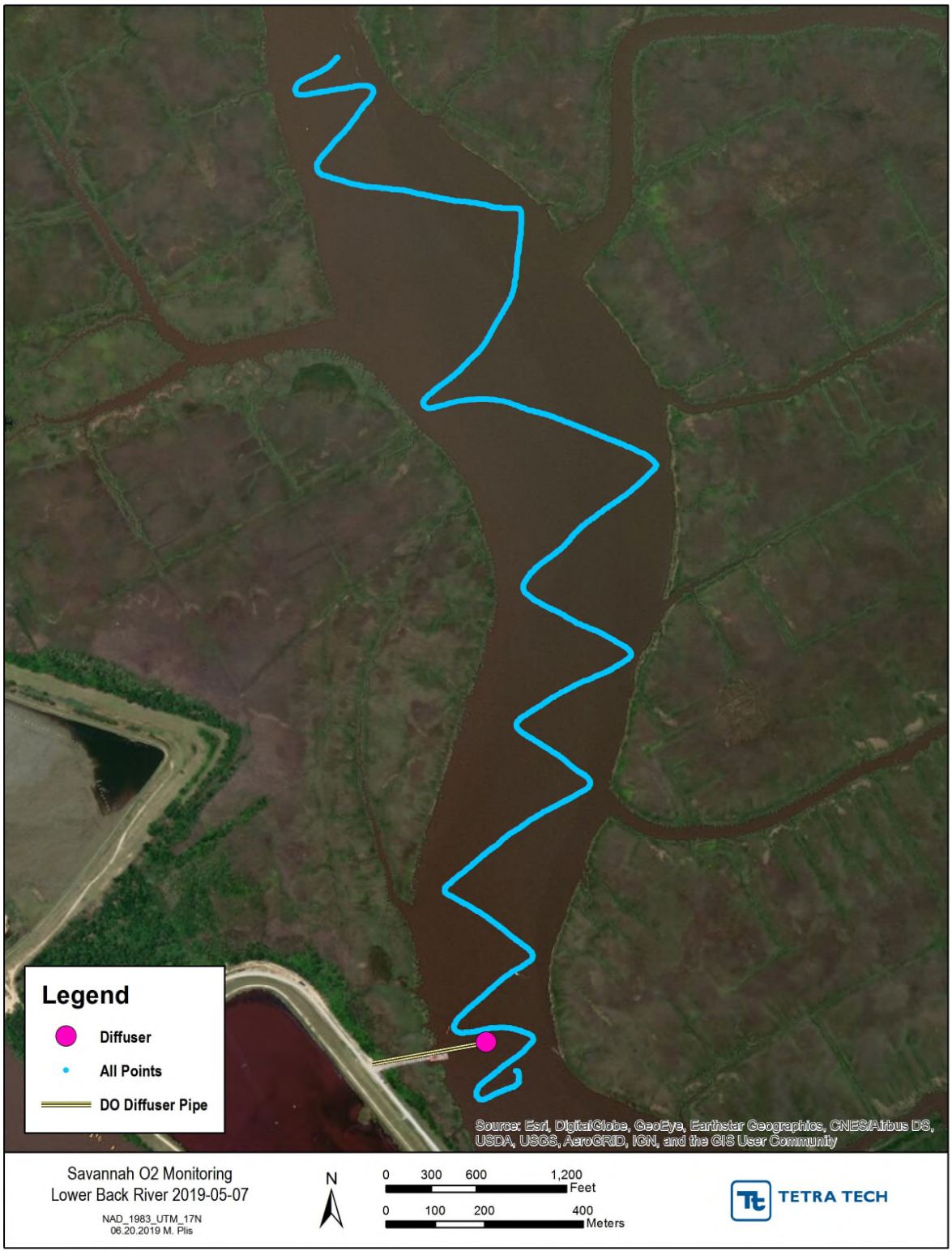


Figure C-224 Back River May 7, 2019 flood tide two sonde combo profile period 1 location map (LBR_050719_006 and LBR_050719_008)

Figure C-225 Back River May 7, 2019 flood tide two sonde combo profile period 1 observations (LBR_050719_006 and LBR_050719_008)

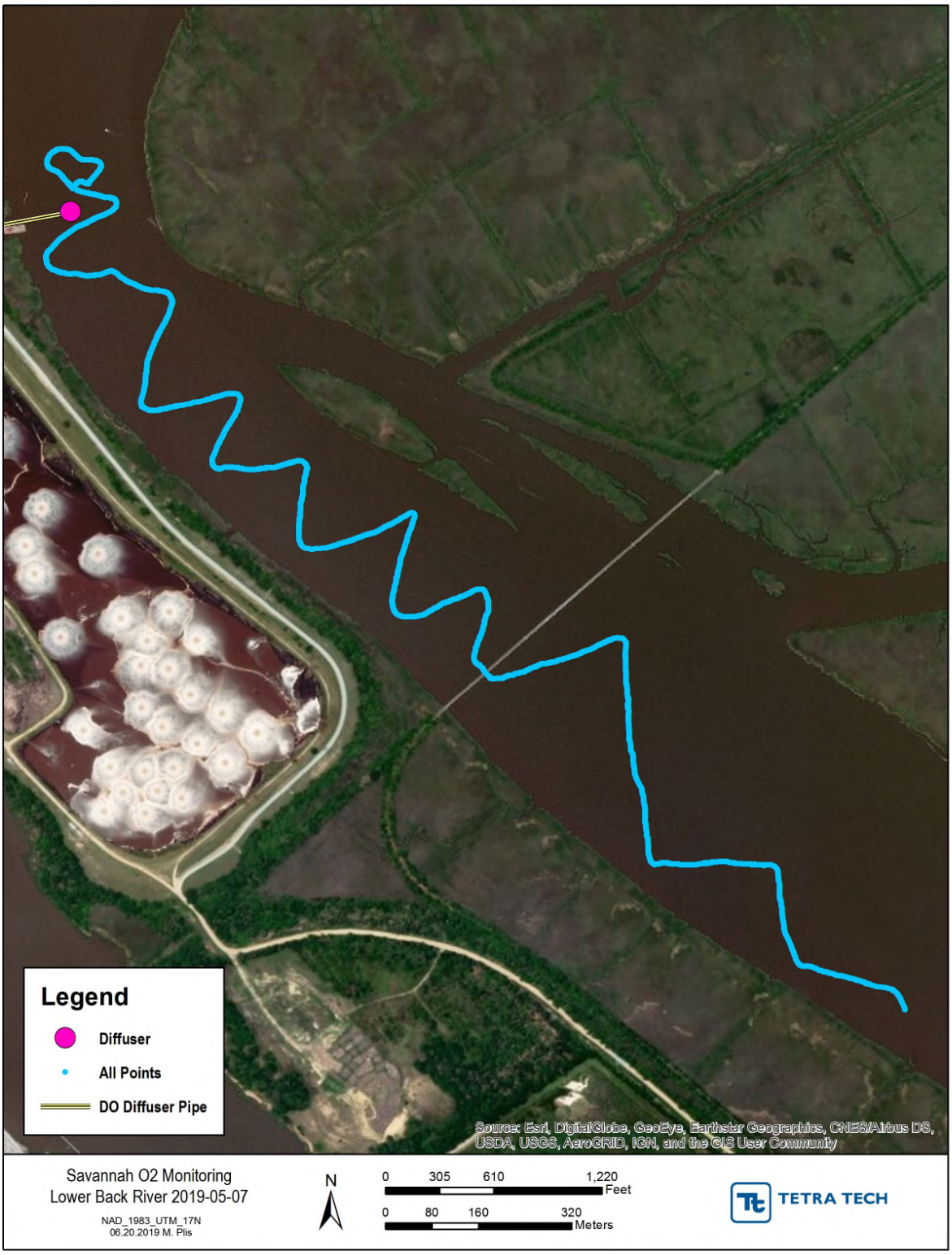


Figure C-226 Back River May 7, 2019 flood tide two sonde combo profile period 2 location map (LBR_050719_007 and LBR_050719_005)

Figure C-227 Back River May 7, 2019 flood tide two sonde combo profile period 2 observations (LBR_050719_007 and LBR_050719_005)

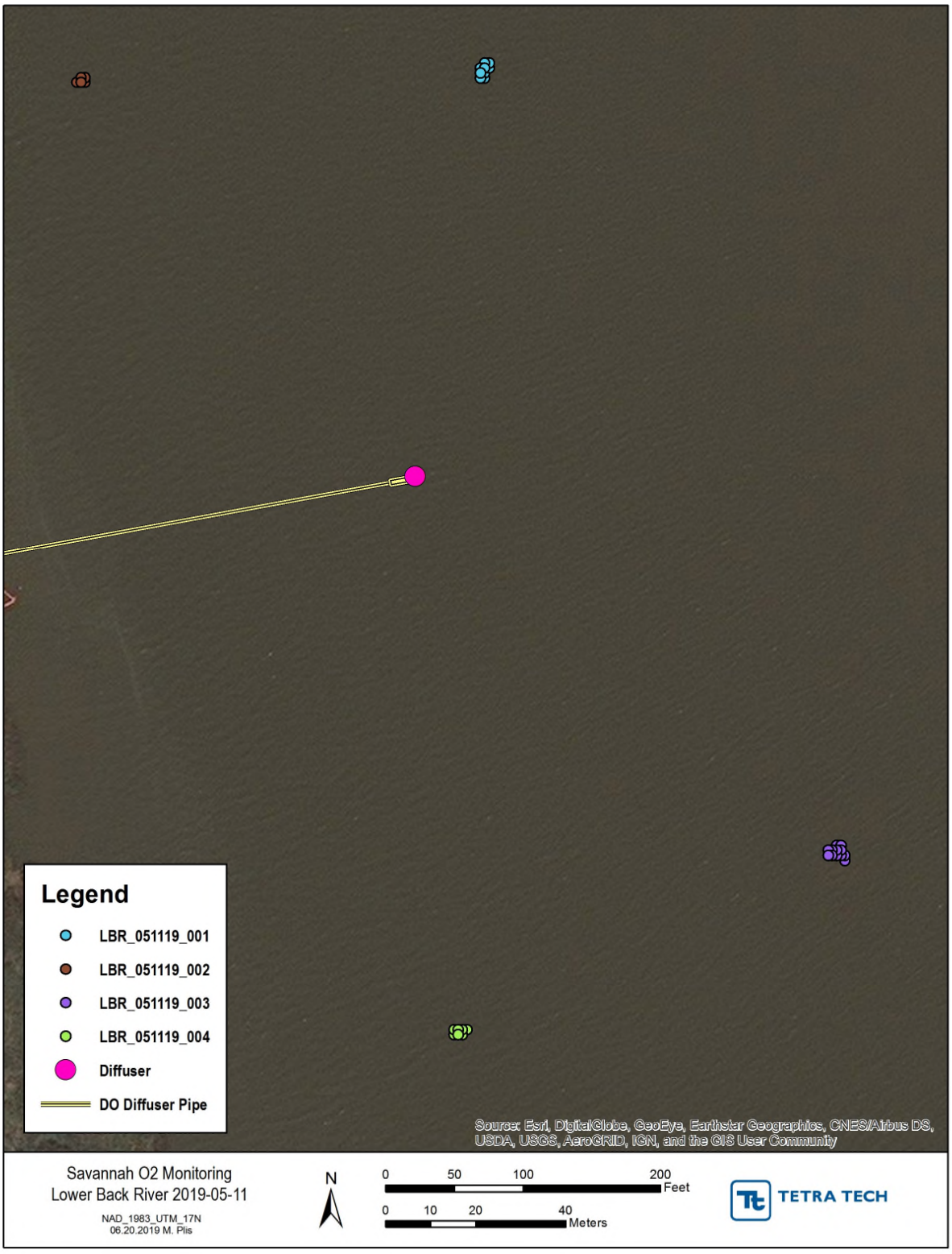


Figure C-228 Back River May 11, 2019 stationary profiles location map

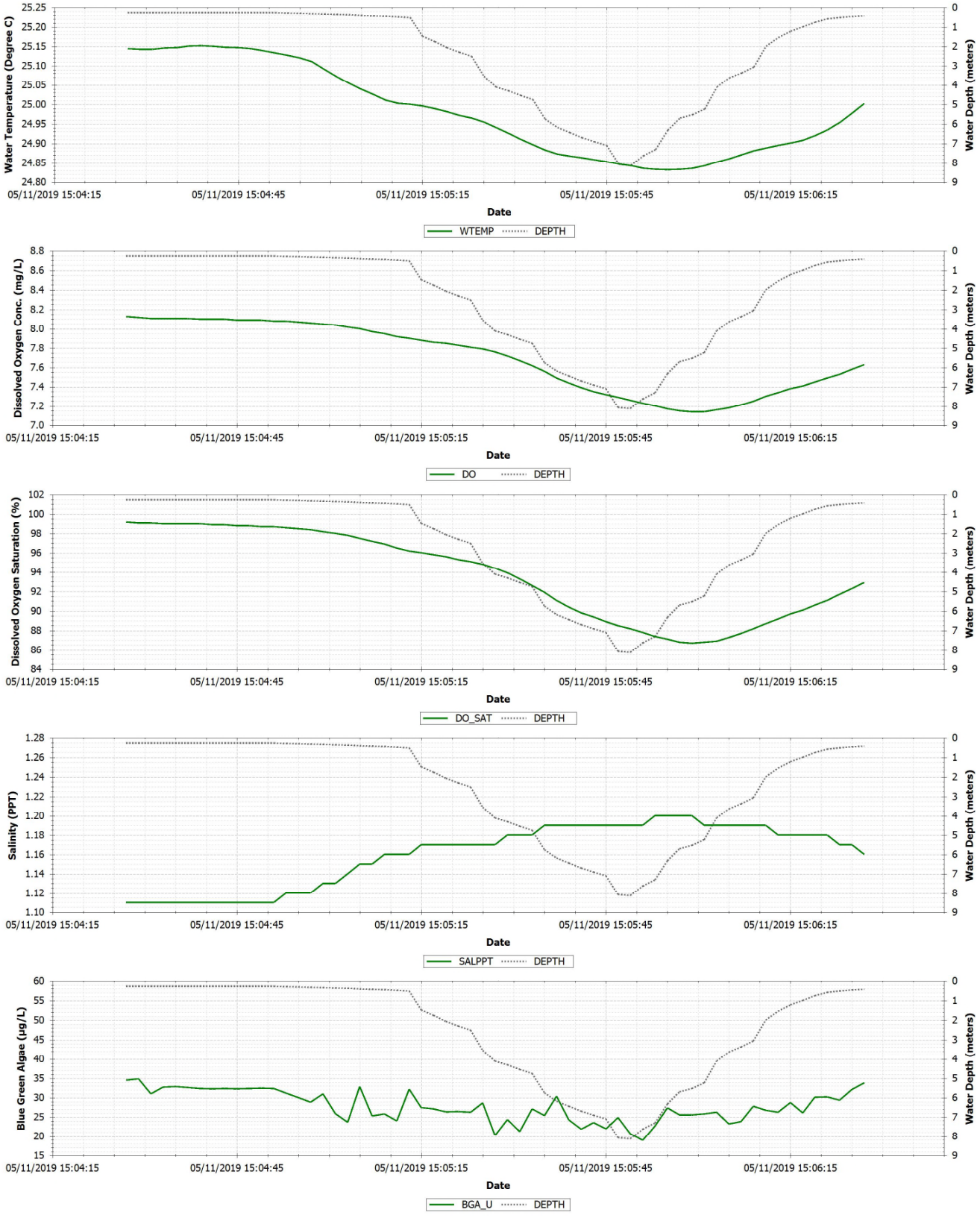


Figure C-229 Back River May 11, 2019 northeast buoy ebb tide stationary profile observations (LBR_051119_001)

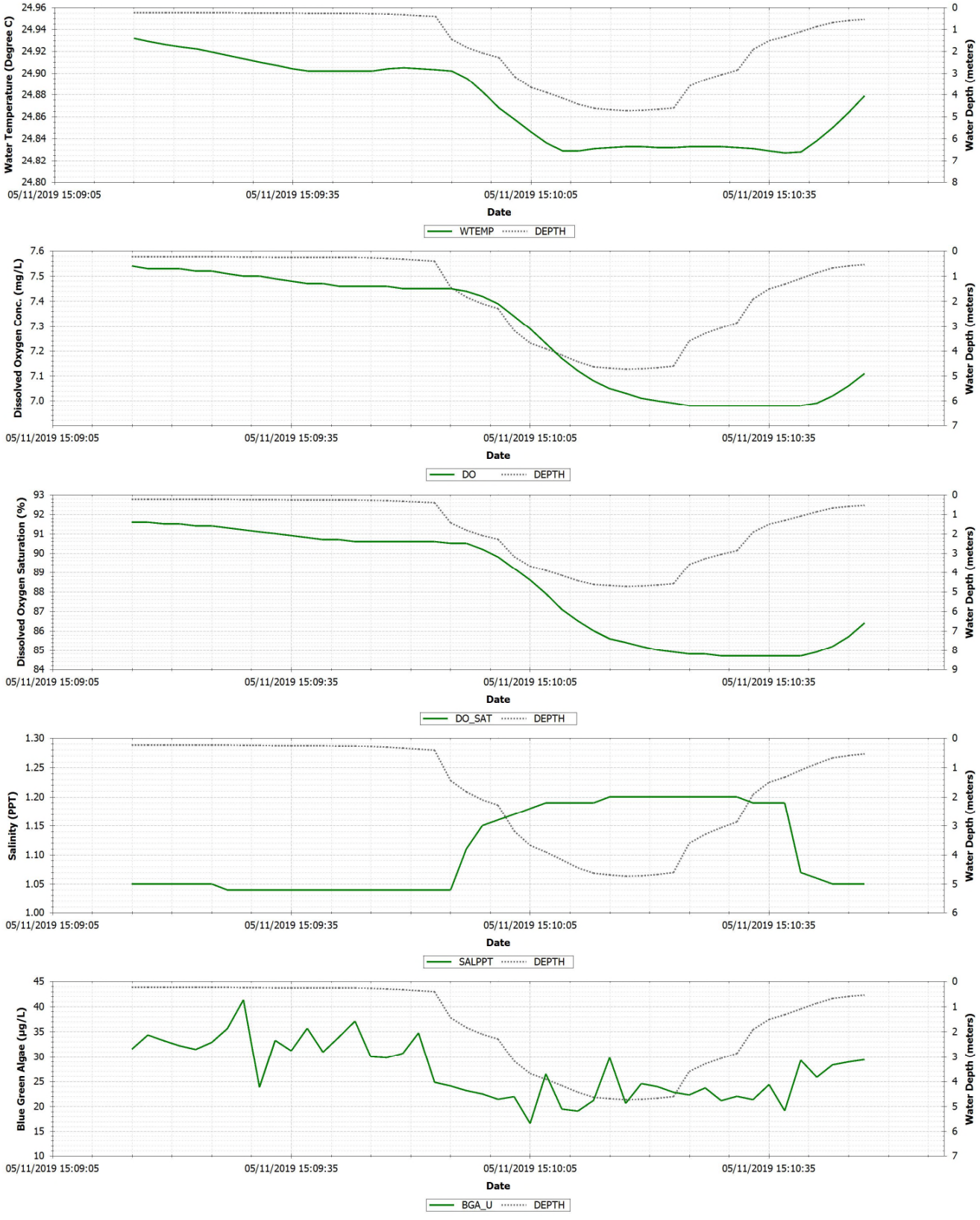


Figure C-230 Back River May 11, 2019 northwest buoy ebb tide stationary profile observations (LBR_051119_002)

Figure C-231 Back River May 11, 2019 southeast buoy ebb tide stationary profile observations (LBR_051119_003)

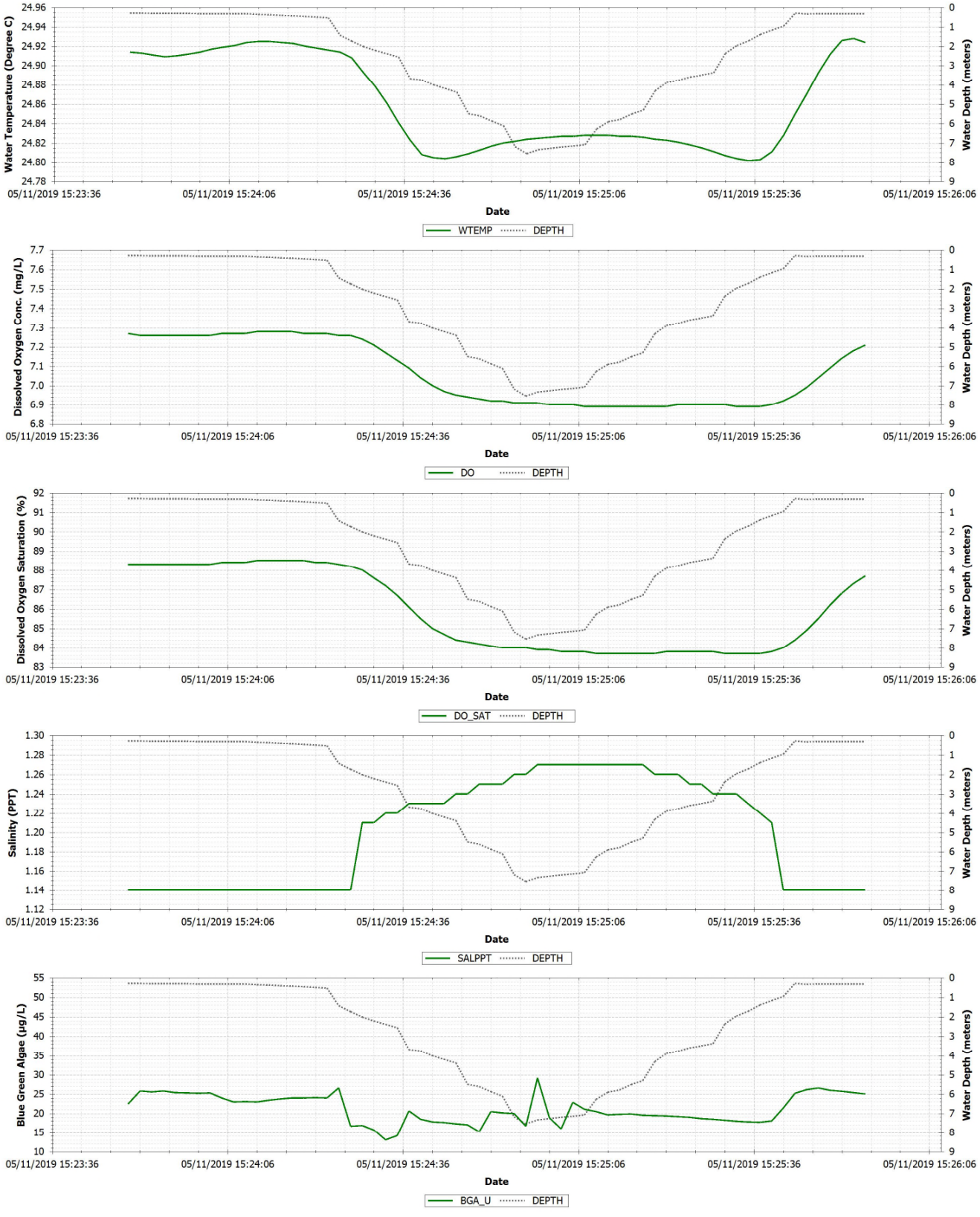


Figure C-232 Back River May 11, 2019 southwest buoy ebb tide stationary profile observations (LBR_051119_004)

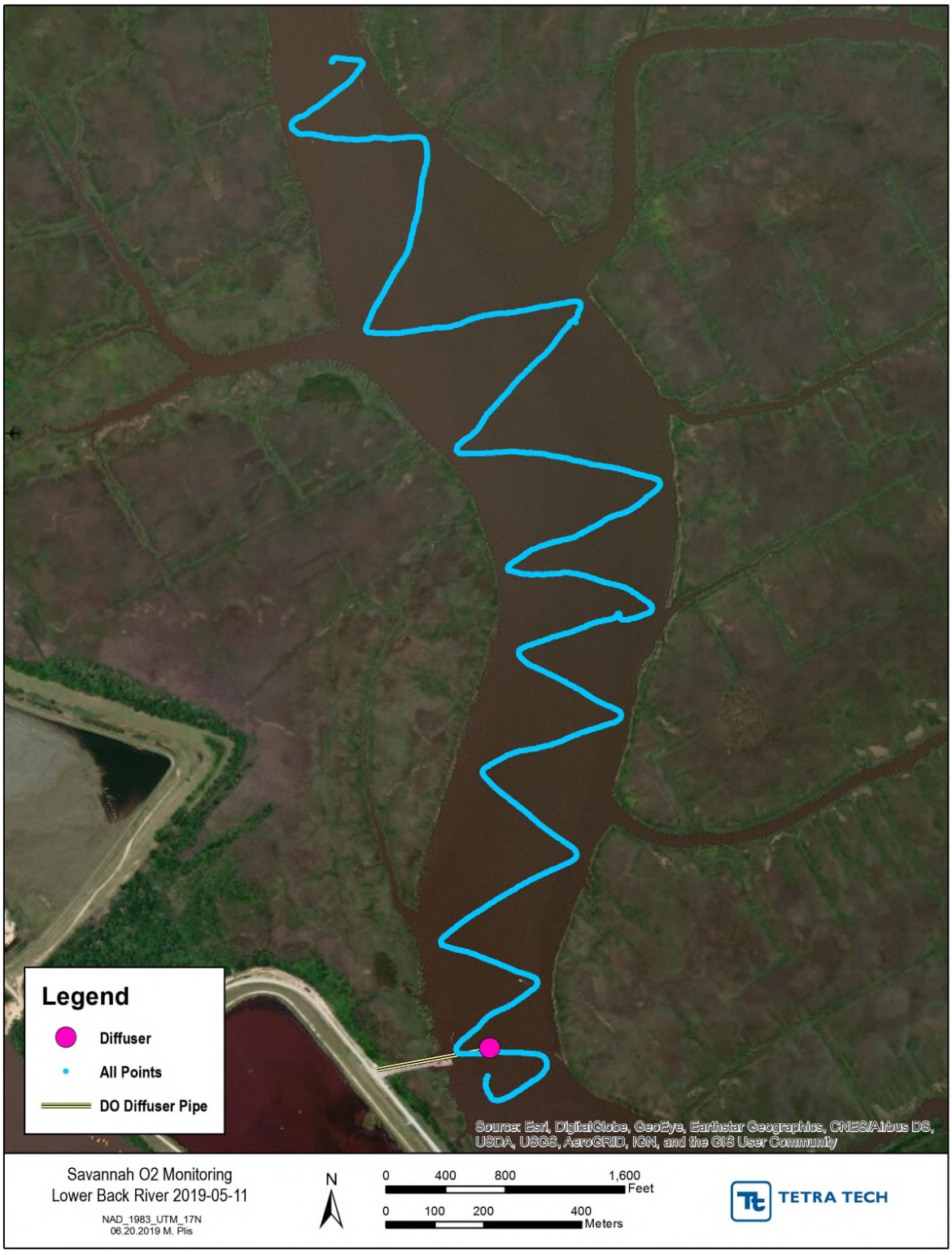


Figure C-233 Back River May 11, 2019 flood tide two sonde combo profile period 1 location map (LBR_051119_006 and LBR_051119_008)

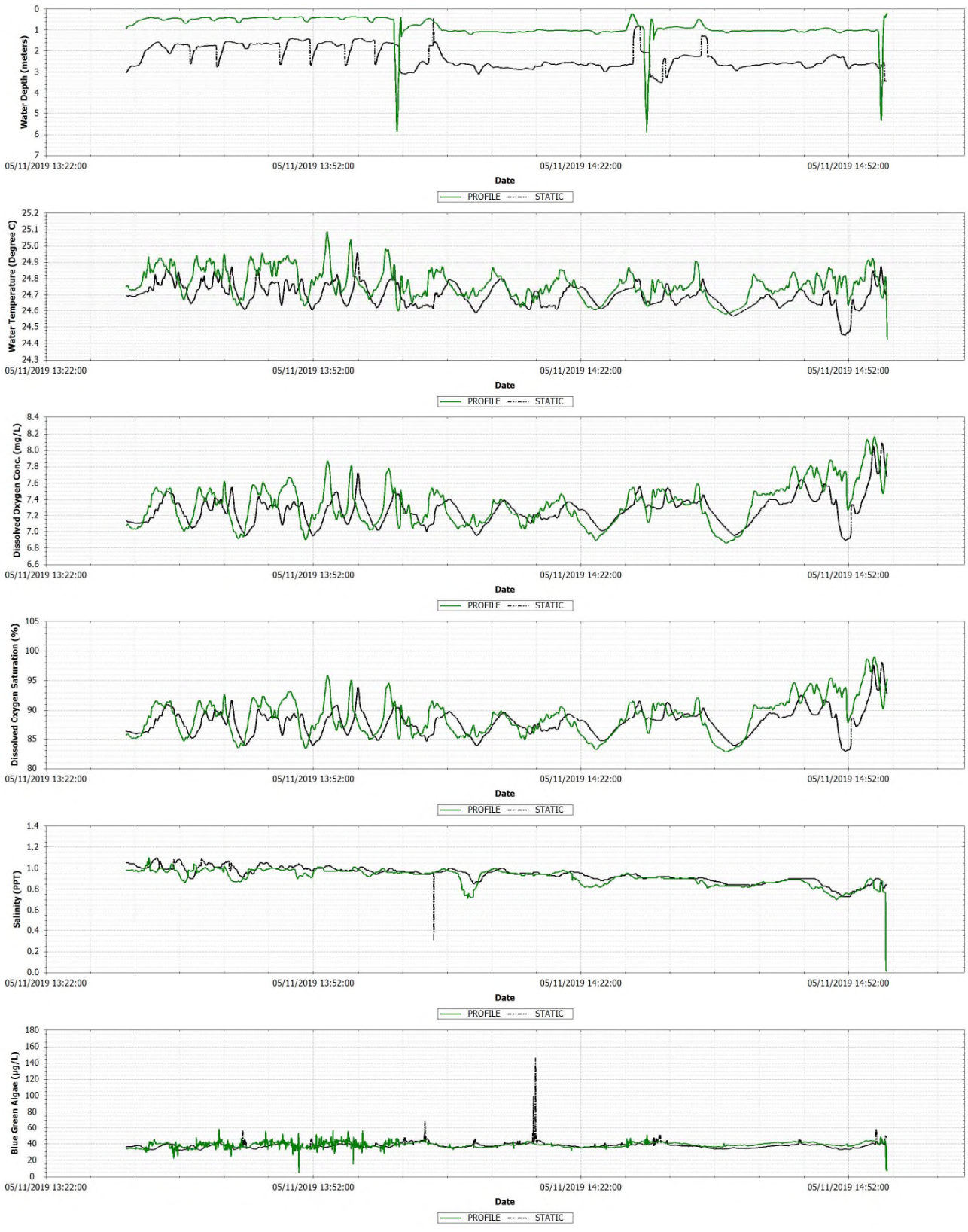


Figure C-234 Back River May 11, 2019 flood tide two sonde combo profile period 1 observations (LBR_051119_006 and LBR_051119_008)

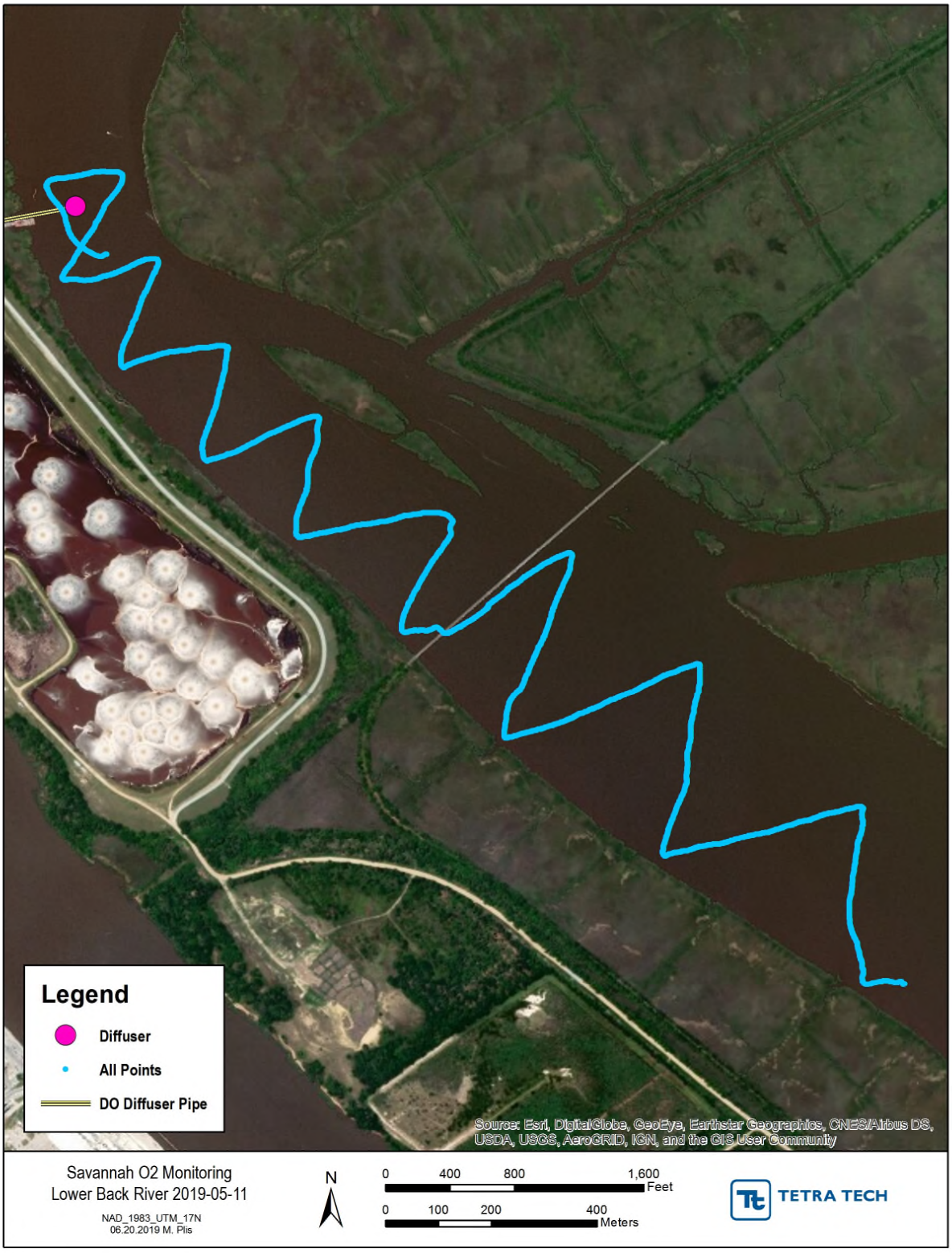


Figure C-235 Back River May 11, 2019 flood tide two sonde combo profile period 2 location map (LBR_051119_005 and LBR_051119_007)

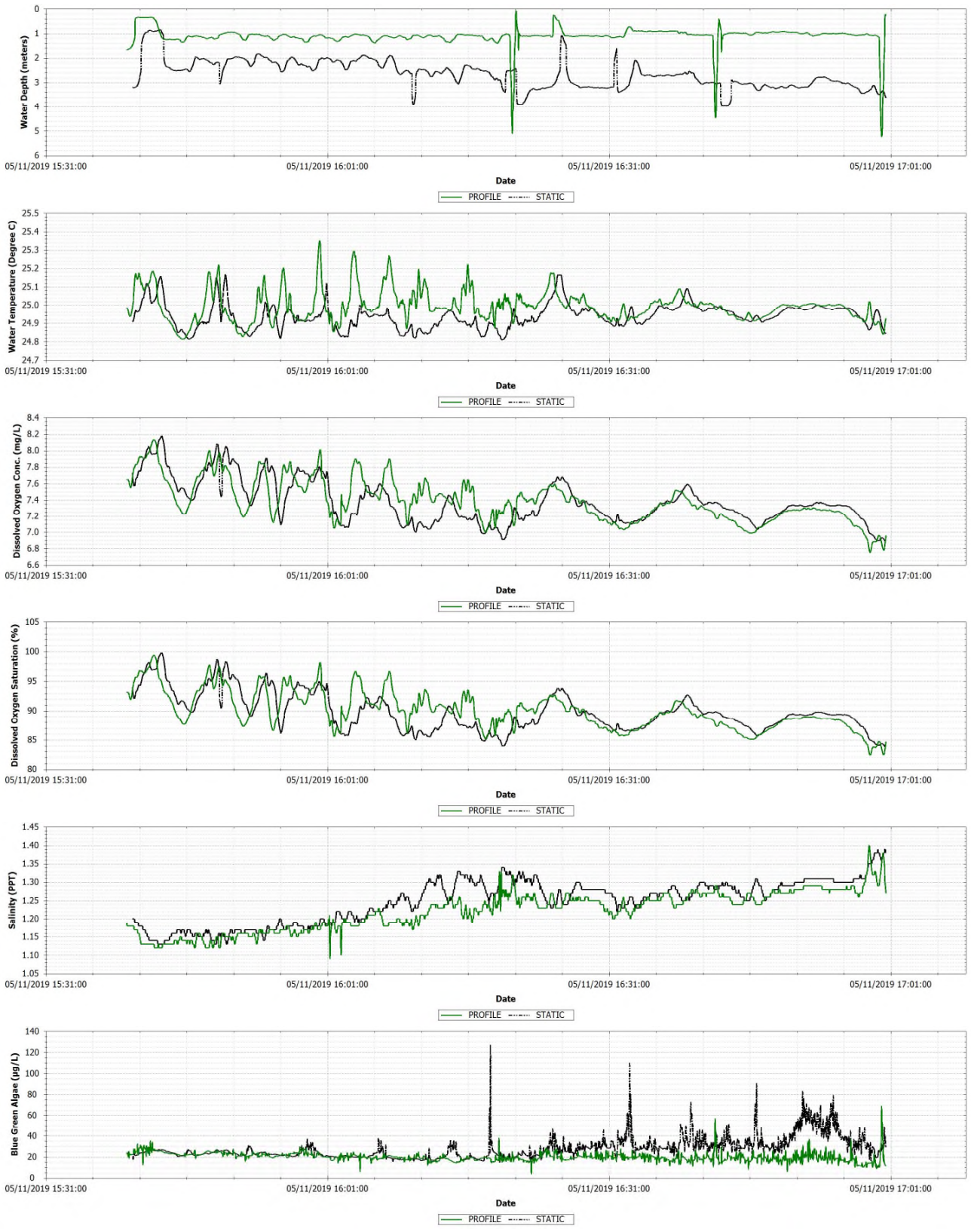


Figure C-236 Back River May 11, 2019 flood tide two sonde combo profile period 2 observations (LBR_051119_005 and LBR_051119_007)

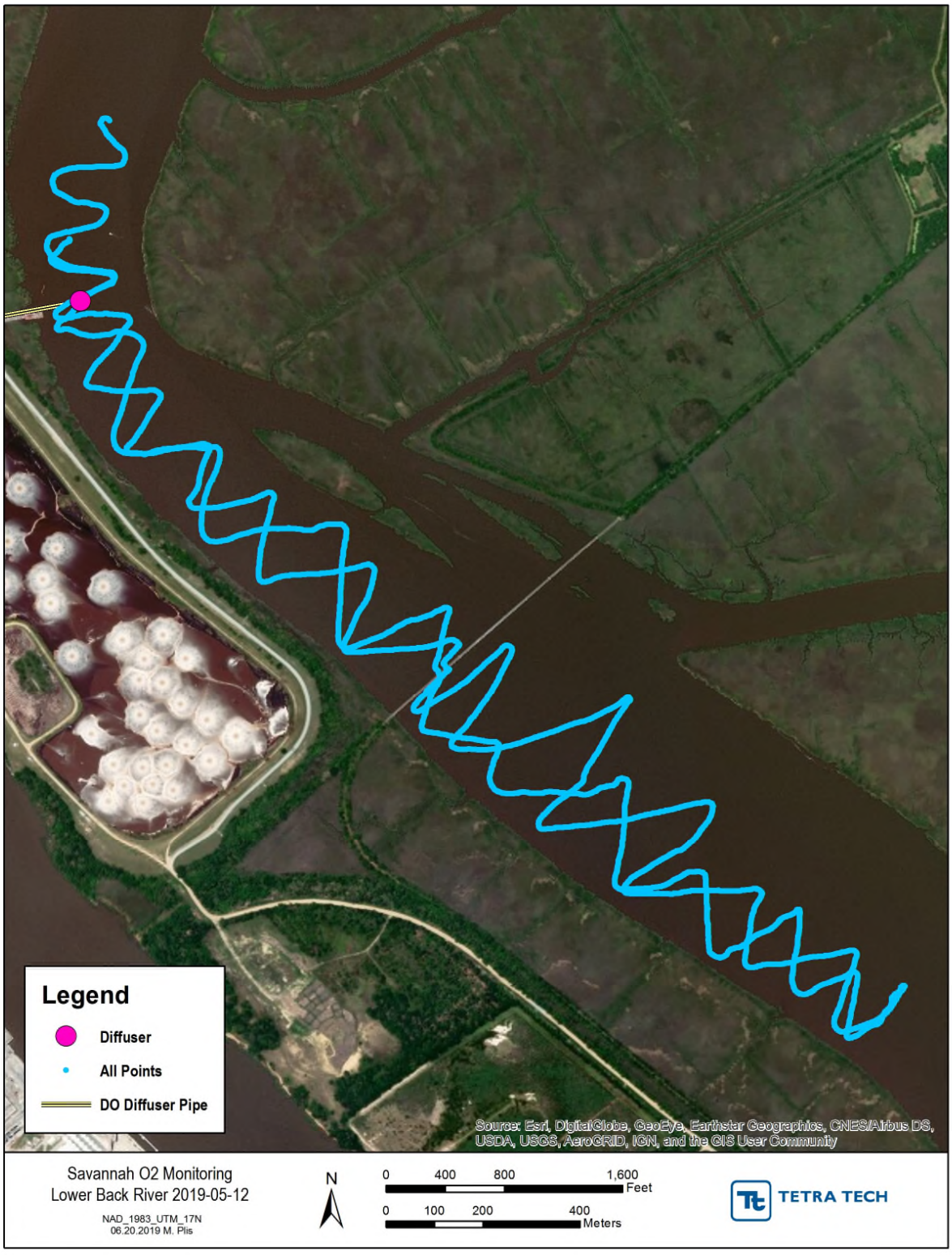


Figure C-237 Back River May 12, 2019 ebb tide two sonde combo profile location map (LBR_051219_001 and LBR_051219_002)

Figure C-238 Back River May 12, 2019 ebb tide two sonde combo profile observations (LBR_051219_001 and LBR_051219_002)

C.2 FRONT RIVER

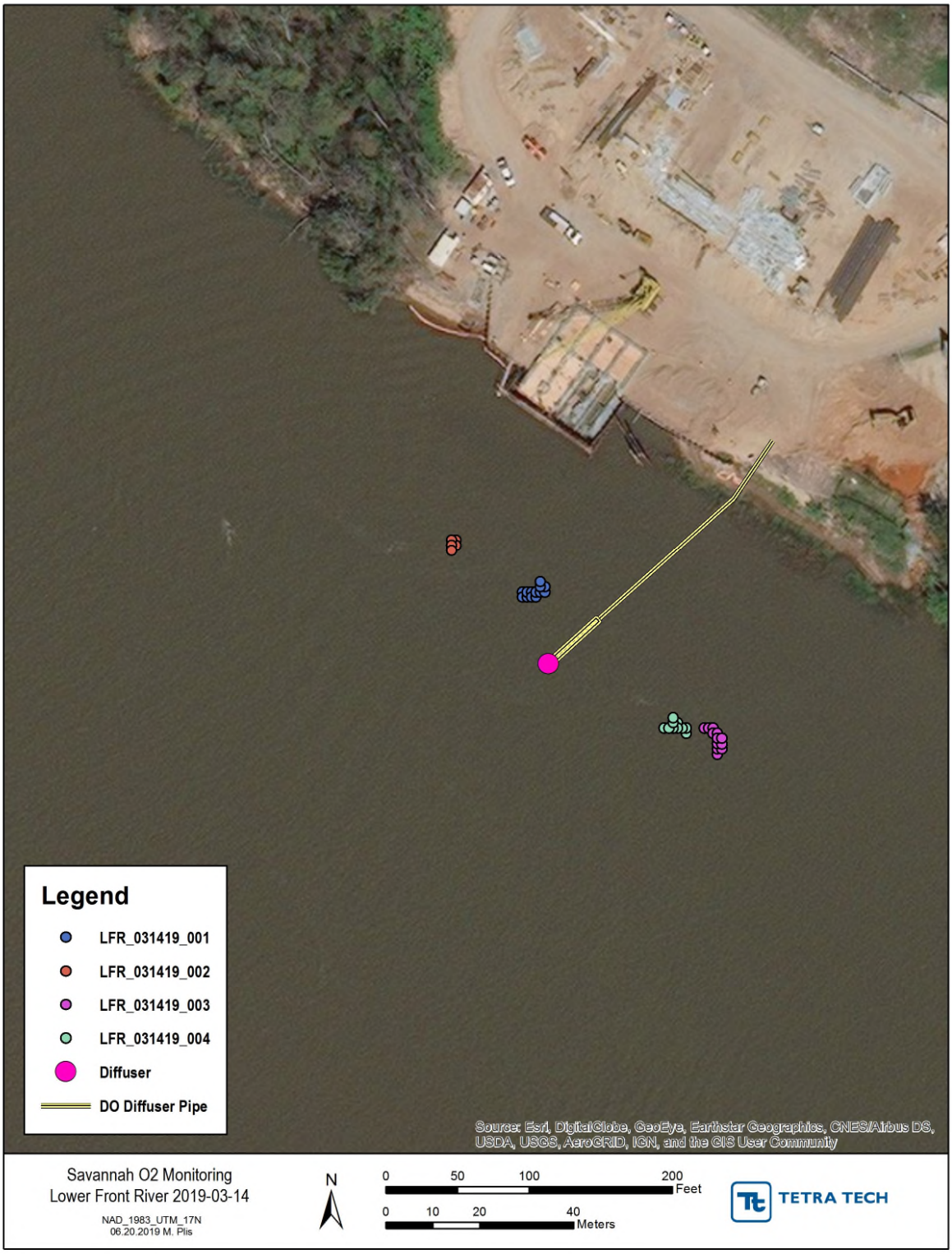


Figure C-239 Front River March 14, 2019 stationary profiles location map

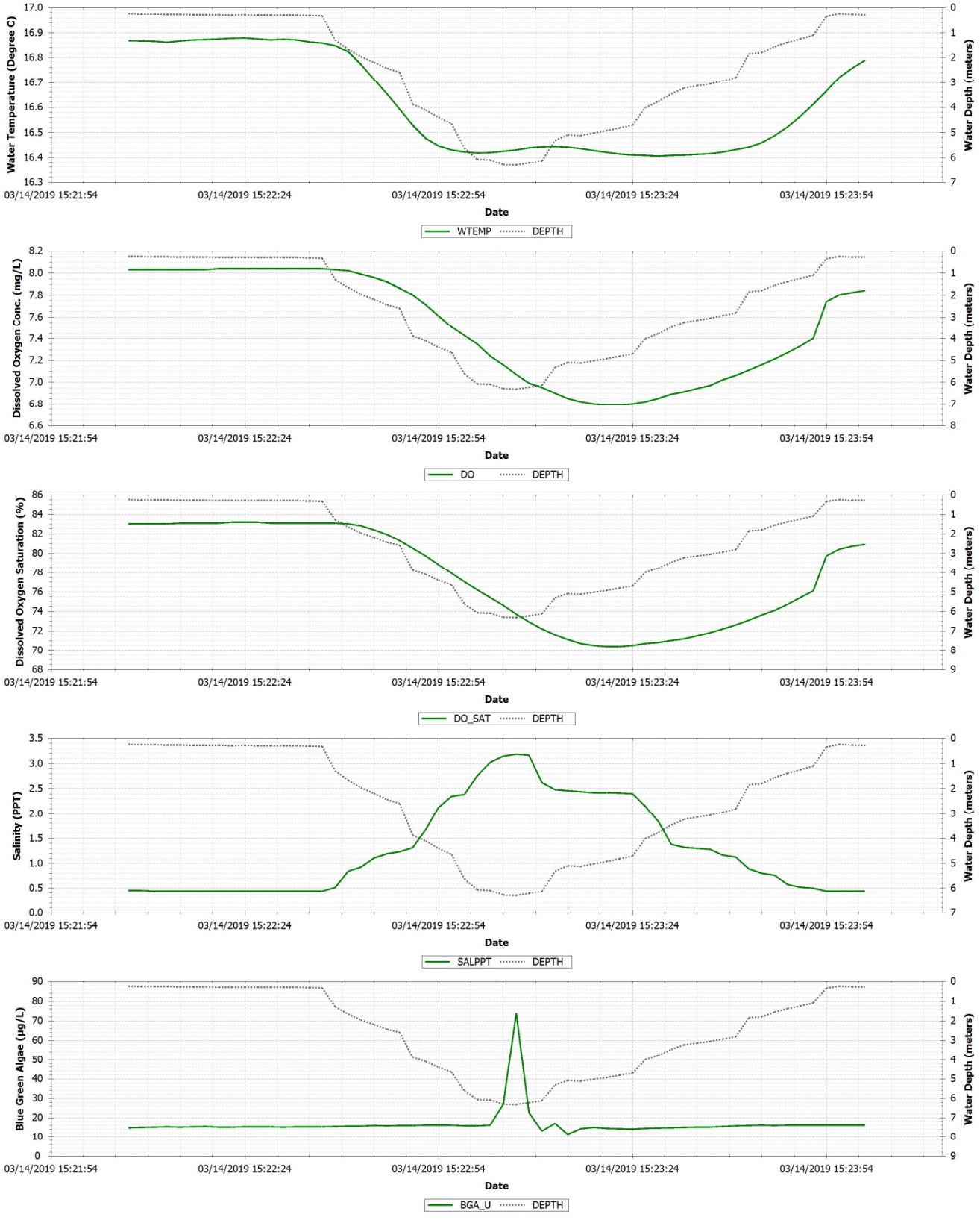


Figure C-240 Front River March 14, 2019 north buoy flood tide stationary profile observations (LFR_031419_001)

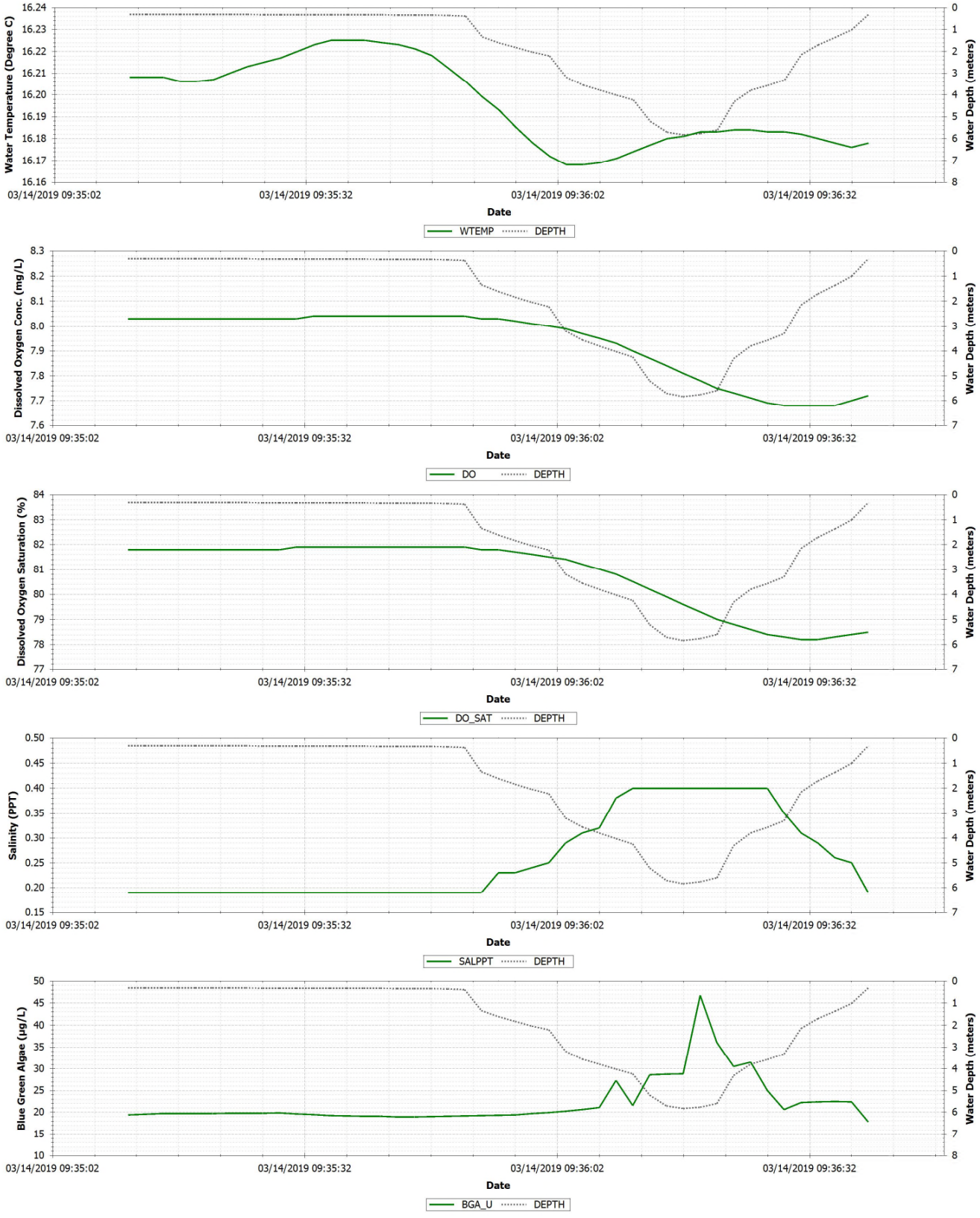


Figure C-241 Front River March 14, 2019 north buoy ebb tide stationary profile observations (LFR_031419_002)

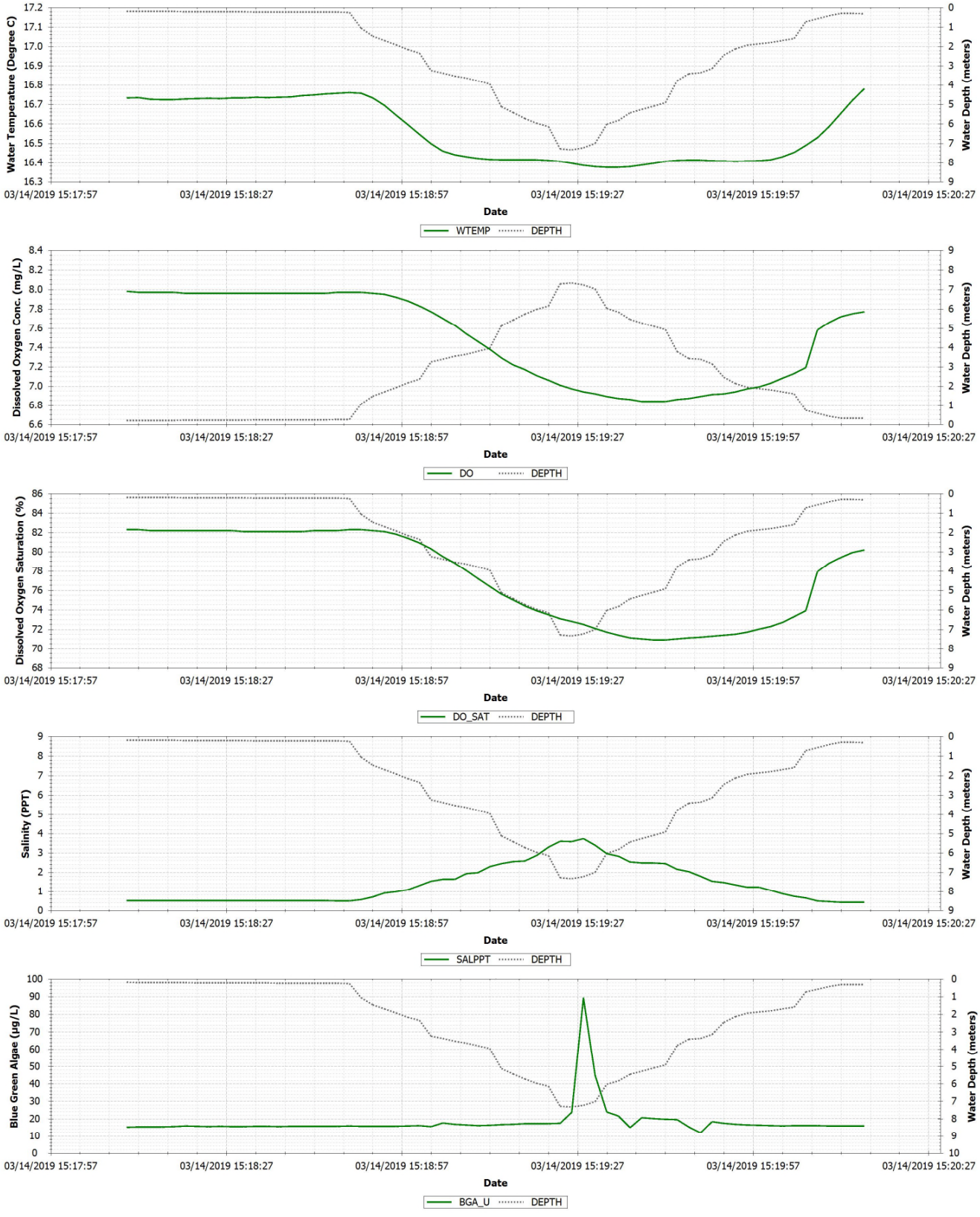


Figure C-242 Front River March 14, 2019 south buoy flood tide stationary profile observations (LFR_031419_003)

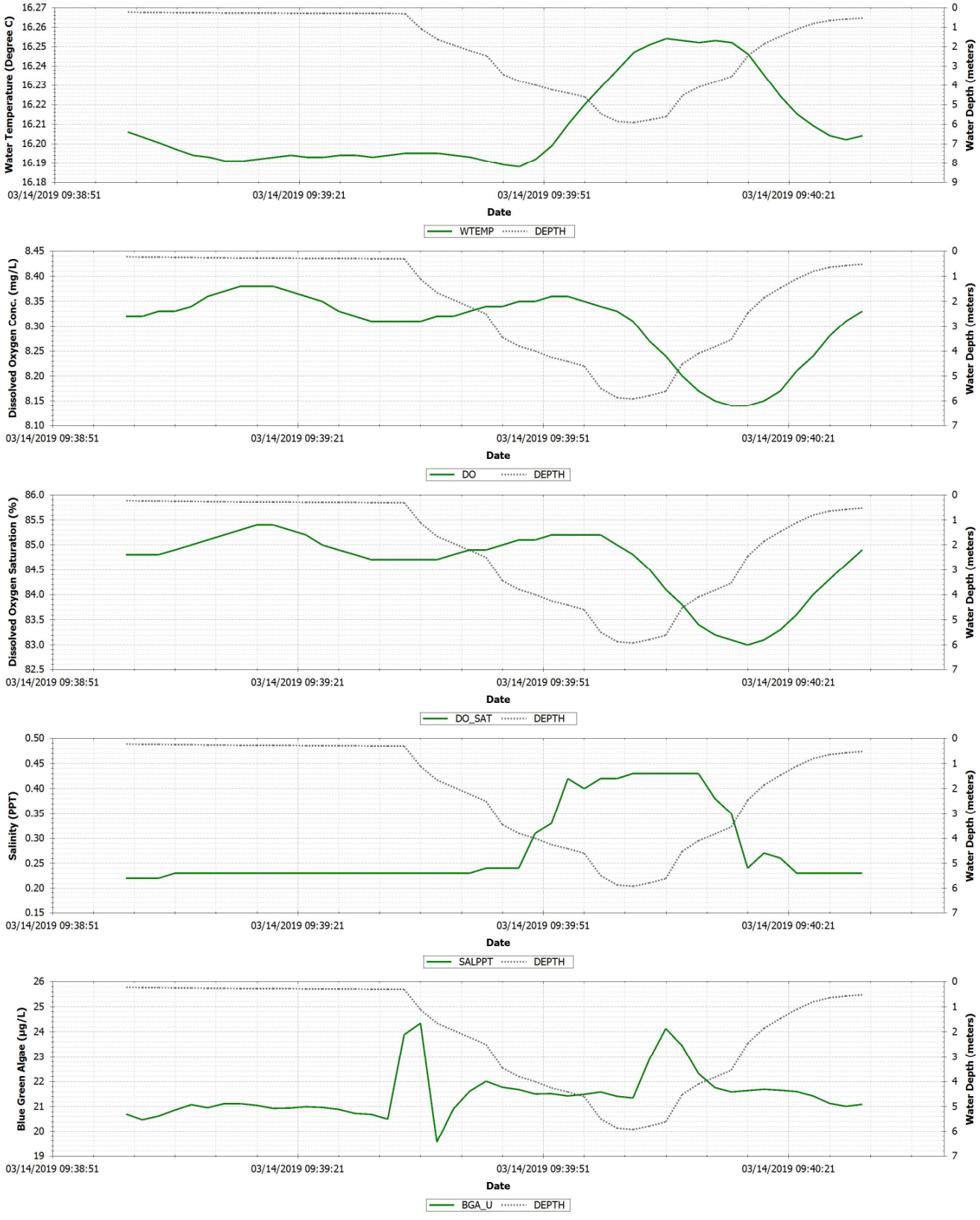


Figure C-243 Front River March 14, 2019 south buoy ebb tide stationary profile observations (LFR_031419_004)

Figure C-244 Front River March 14, 2019 ebb tide traveling profile period 1 location map (LFR_031419_006)

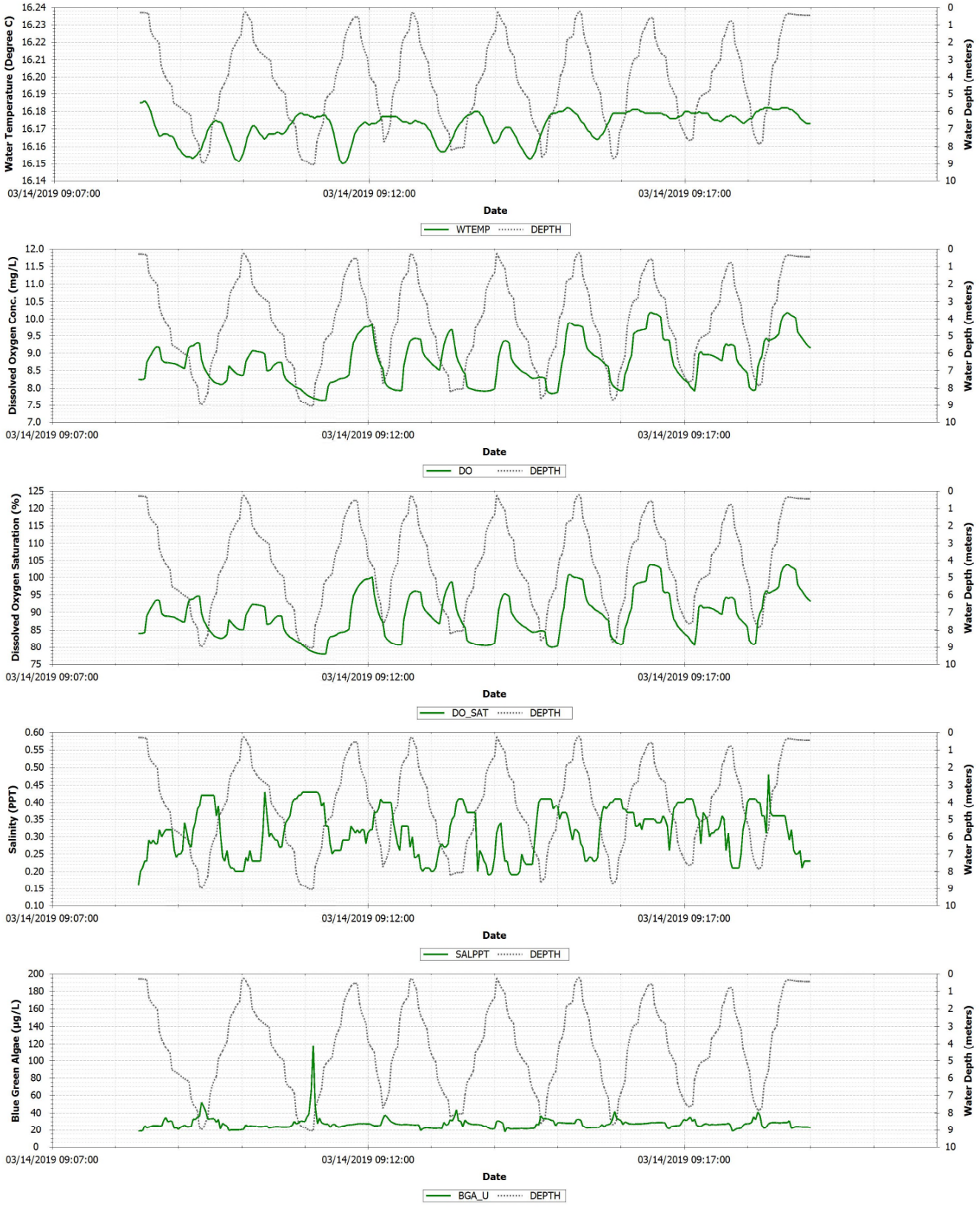


Figure C-245 Front River March 14, 2019 ebb tide traveling profile period 1 observations (LFR_031419_006)

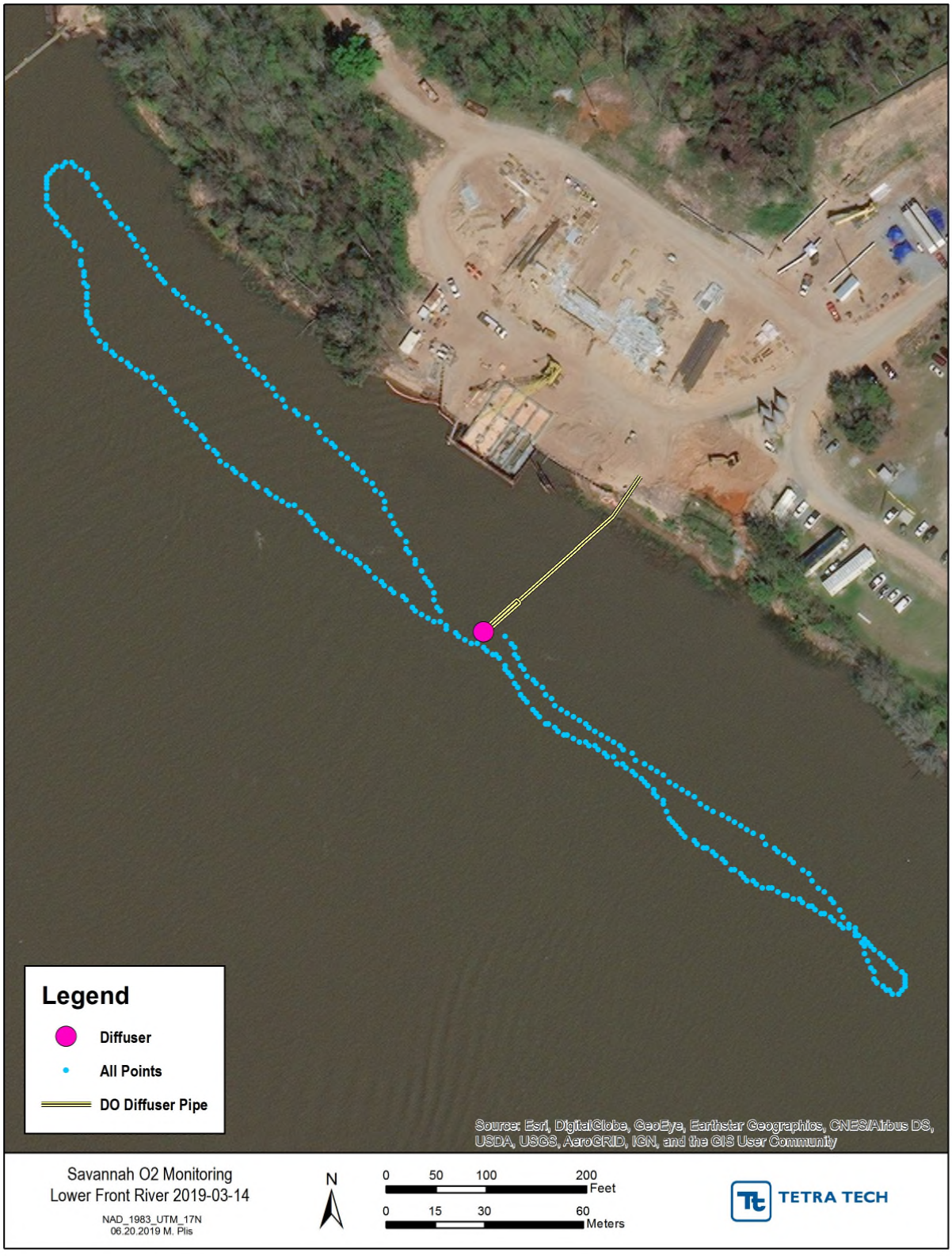


Figure C-246 Front River March 14, 2019 ebb tide traveling profile period 2 location map (LFR_031419_010)

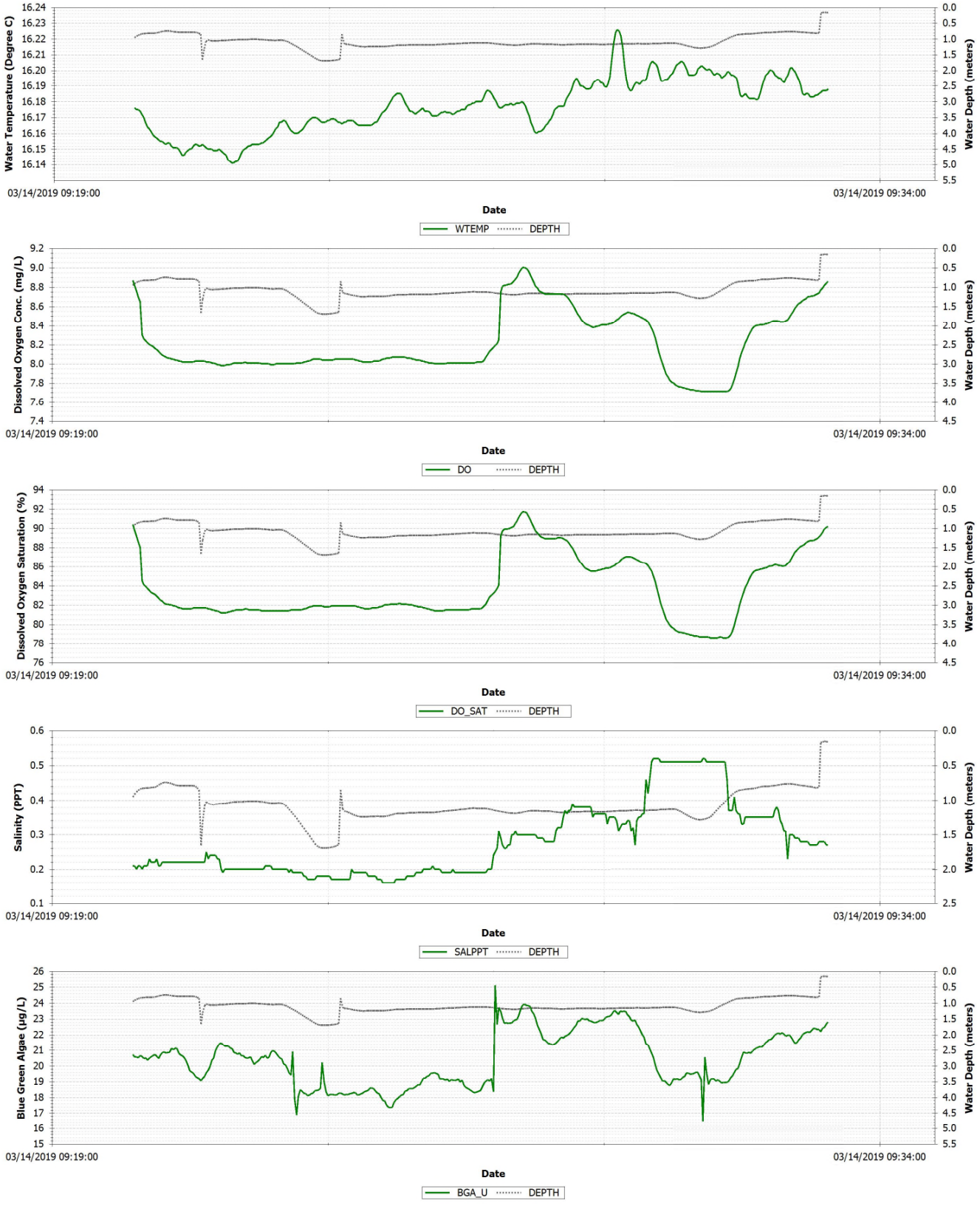


Figure C-247 Front River March 14, 2019 ebb tide traveling profile period 2 observations (LFR_031419_010)

Figure C-248 Front River March 14, 2019 ebb tide traveling profile period 3 location map (LFR_031419_005)

Figure C-249 Front River March 14, 2019 ebb tide traveling profile period 3 observations (LFR_031419_005)

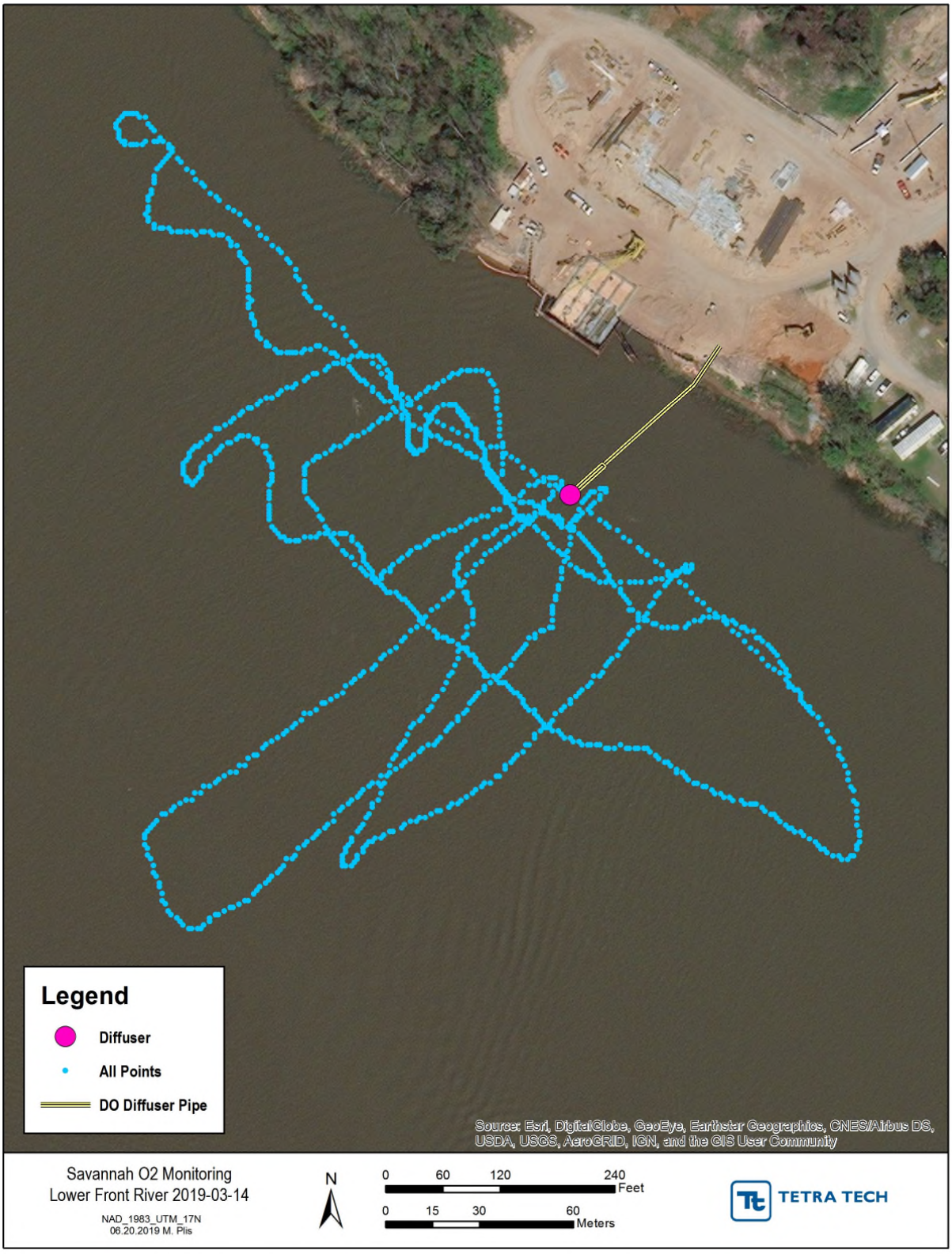


Figure C-250 Front River March 14, 2019 ebb tide traveling profile period 4 location map (LFR_031419_009)

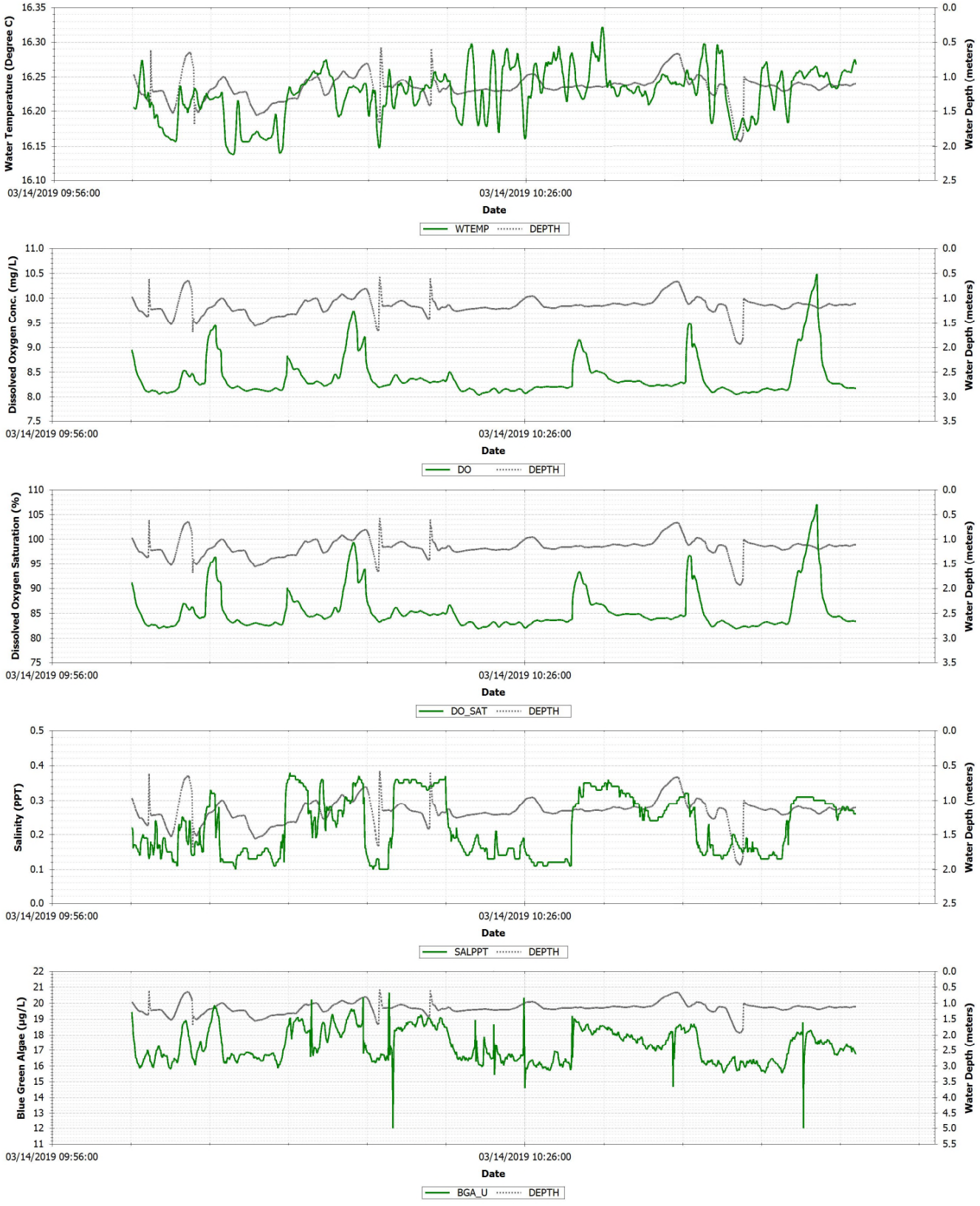


Figure C-251 Front River March 14, 2019 ebb tide traveling profile period 4 observations (LFR_031419_009)

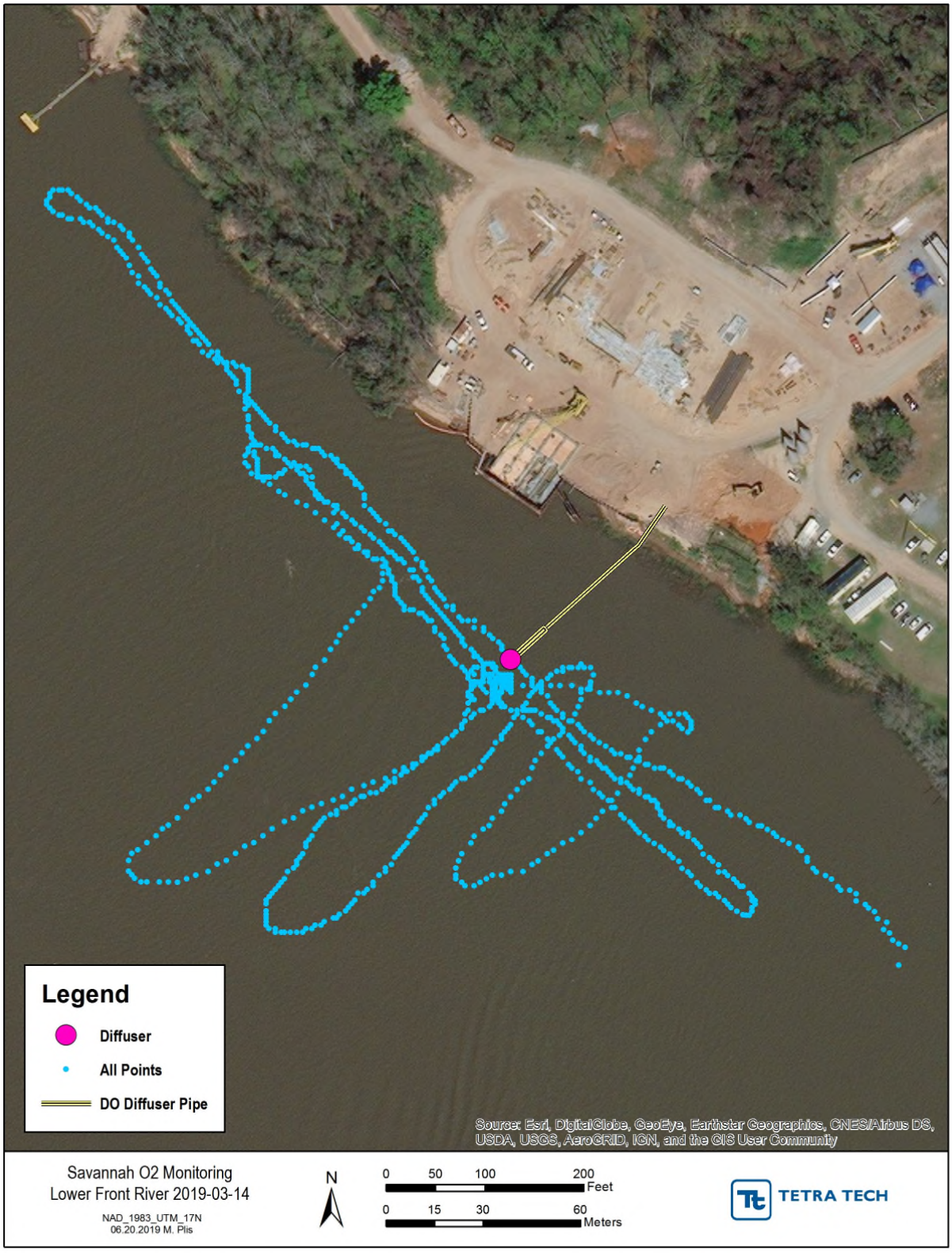


Figure C-252 Front River March 14, 2019 flood tide traveling profile period 1 location map (LFR_031419_008)

Figure C-253 Front River March 14, 2019 flood tide traveling profile period 1 observations (LFR_031419_008)

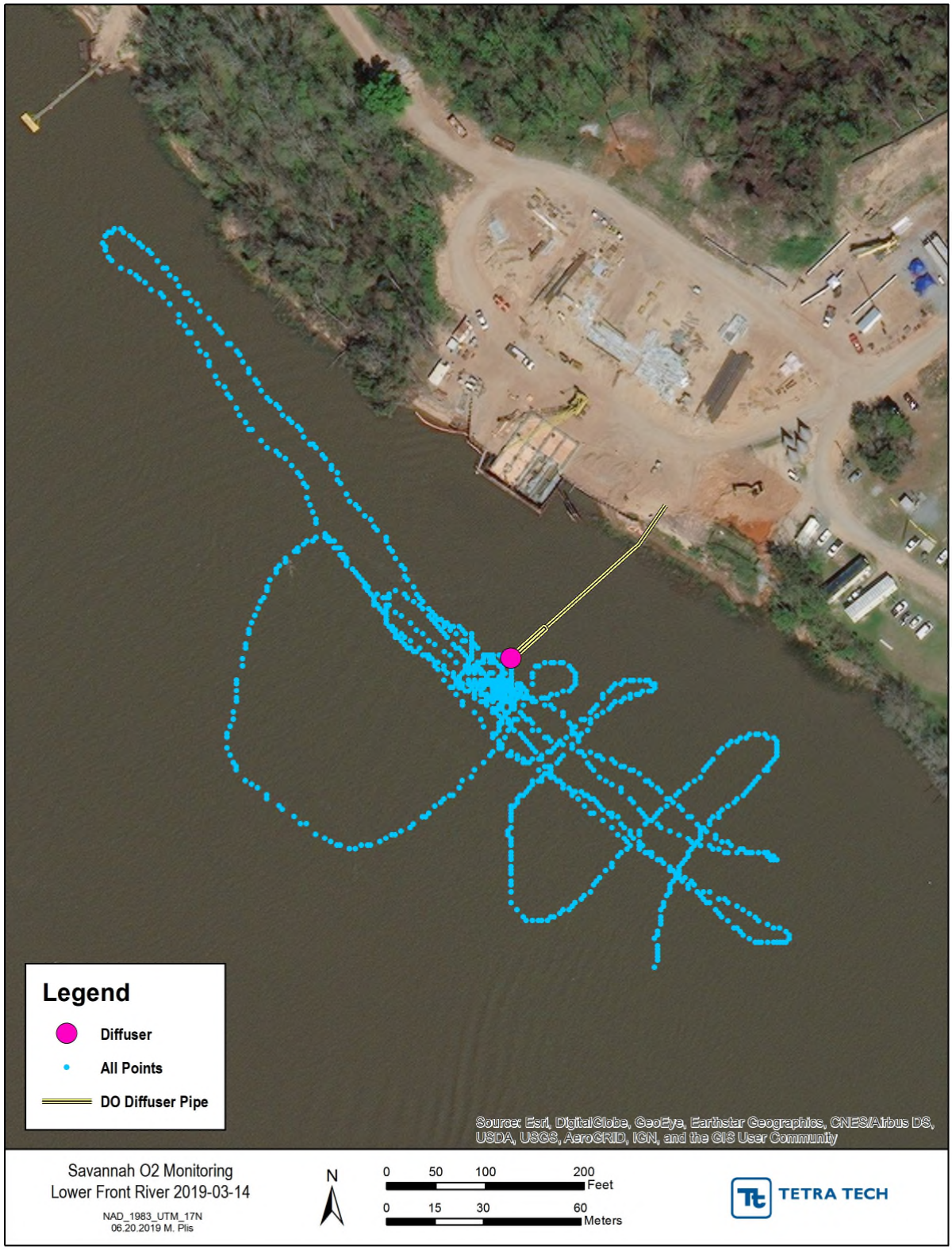


Figure C-254 Front River March 14, 2019 flood tide traveling profile period 2 location map (LFR_031419_007)

Figure C-255 Front River March 14, 2019 flood tide traveling profile period 2 observations (LFR_031419_007)

Figure C-256 Front River March 17, 2019 ebb tide traveling profile period 1 location map (LFR_031719_002)

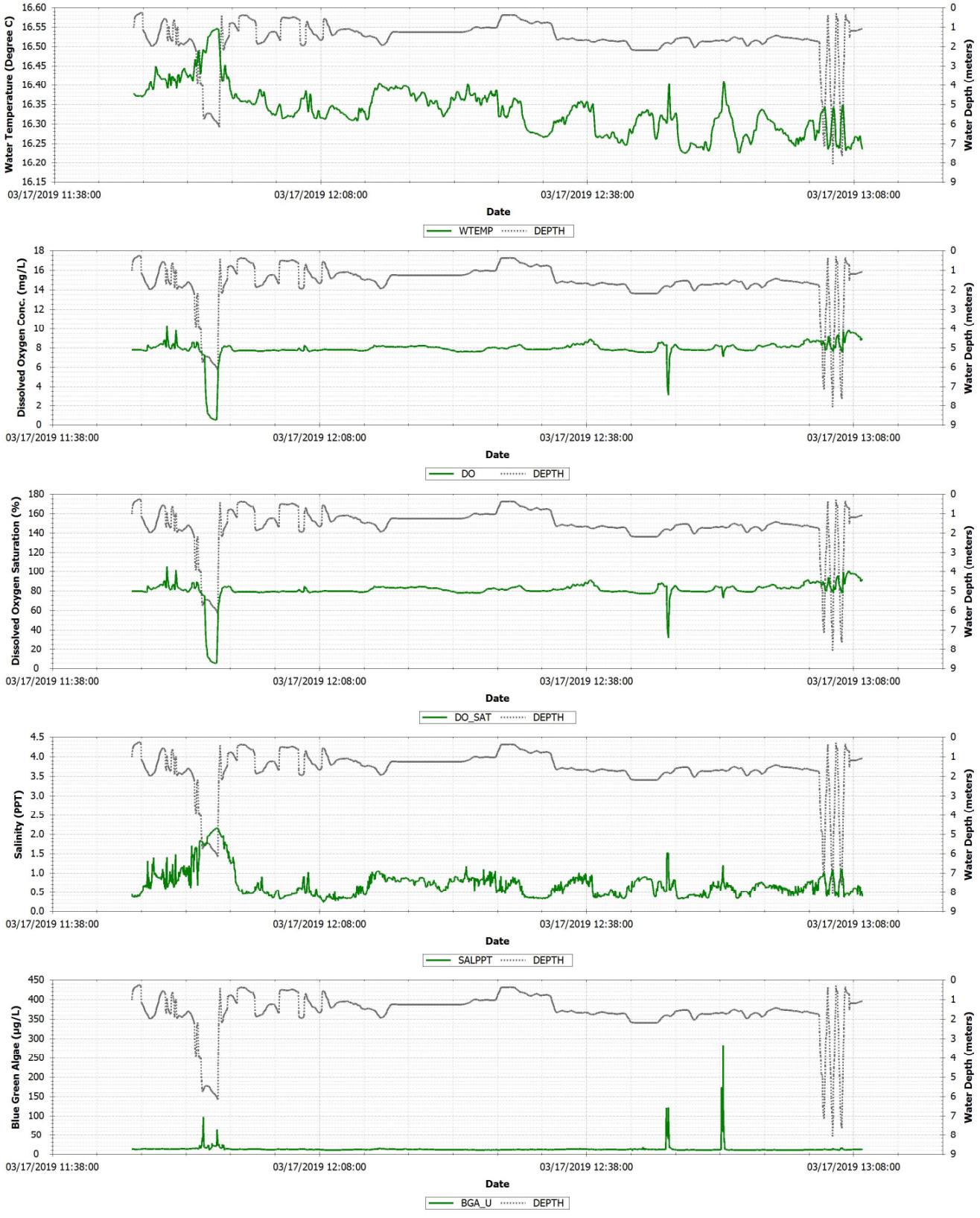


Figure C-257 Front River March 17, 2019 ebb tide traveling profile period 1 observations (LFR_031719_002)

Figure C-258 Front River March 17, 2019 ebb tide traveling profile period 2 location map (LFR_031719_001)

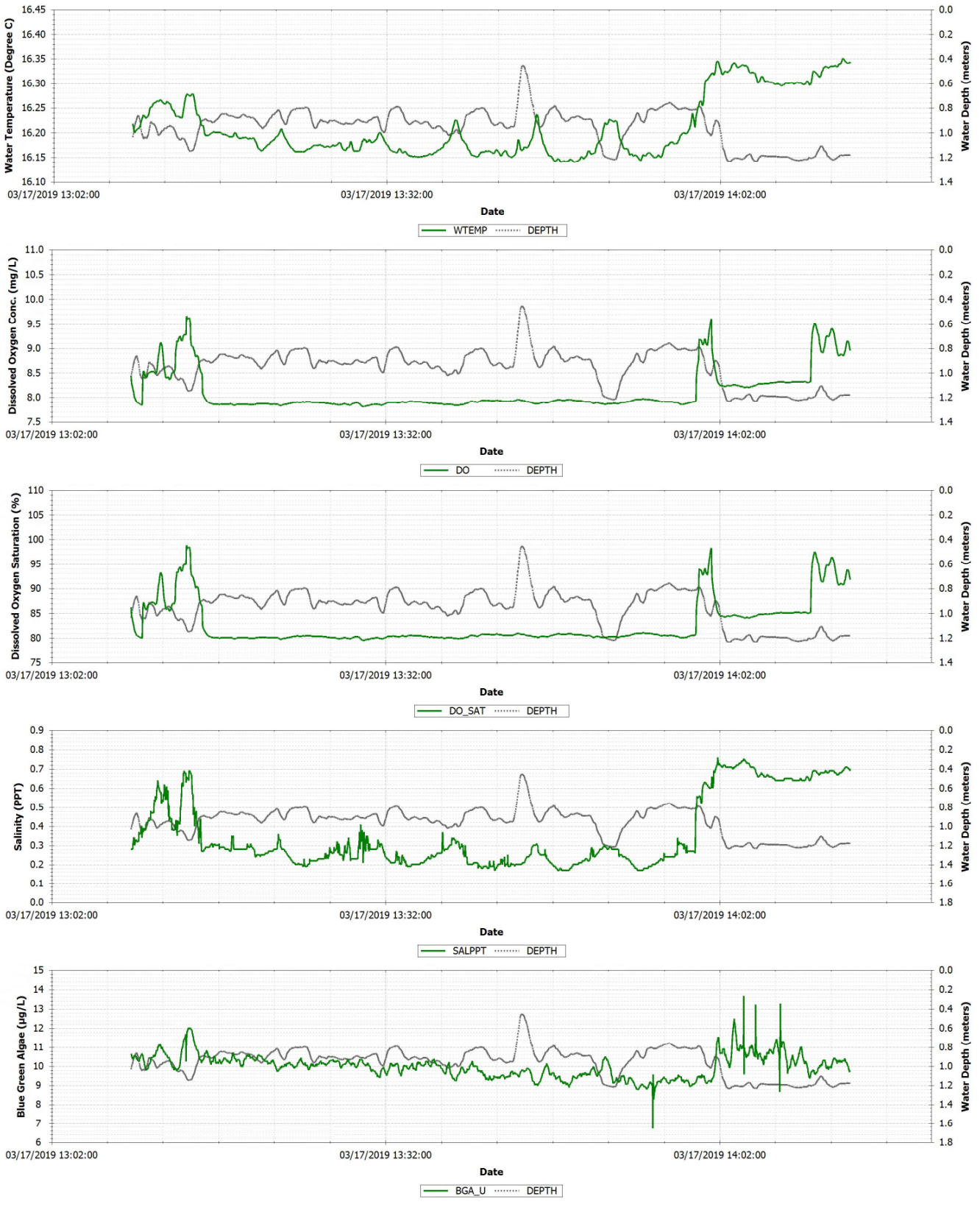


Figure C-259 Front River March 17, 2019 ebb tide traveling profile period 2 observations (LFR_031719_001)

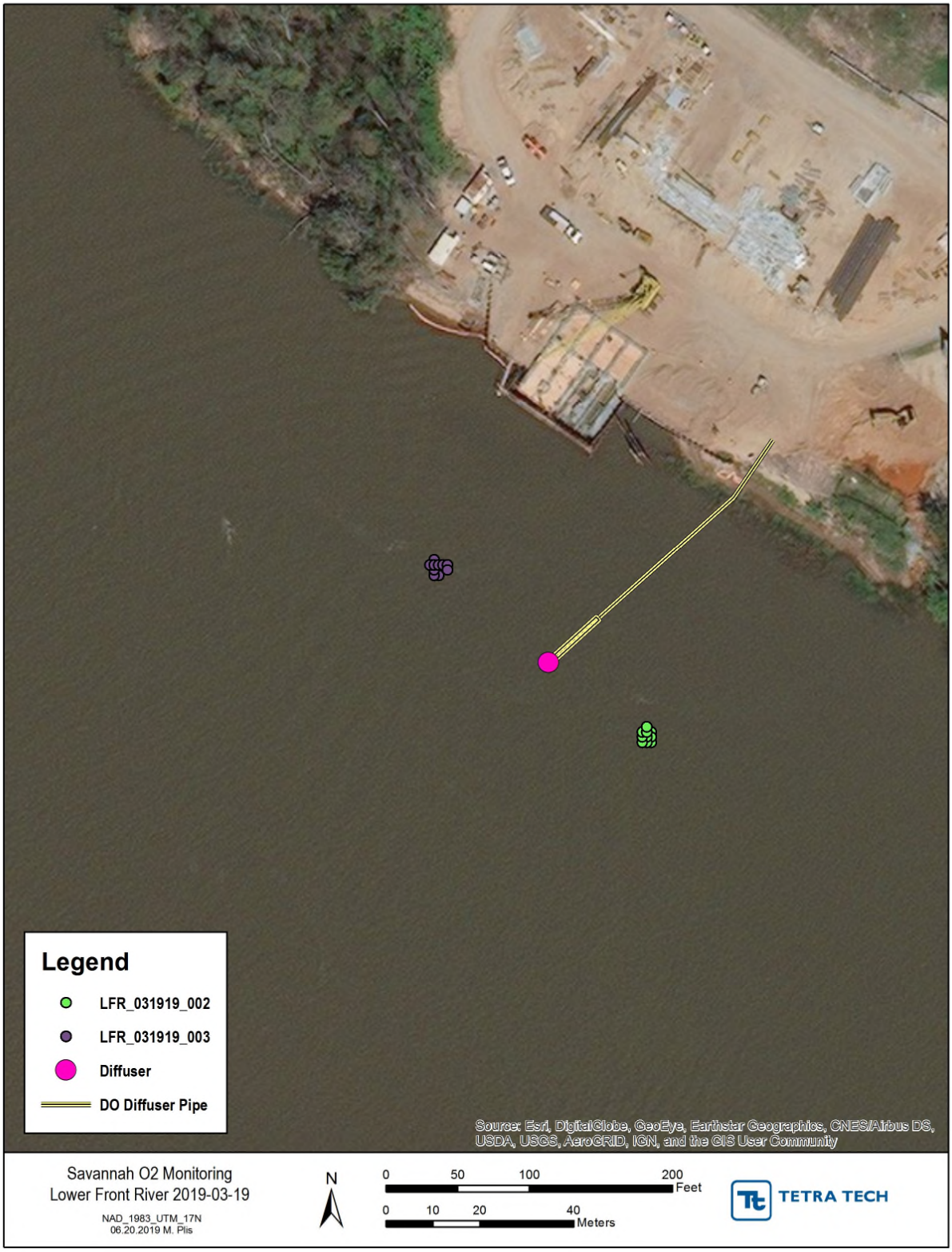


Figure C-260 Front River March 19, 2019 stationary profiles location map

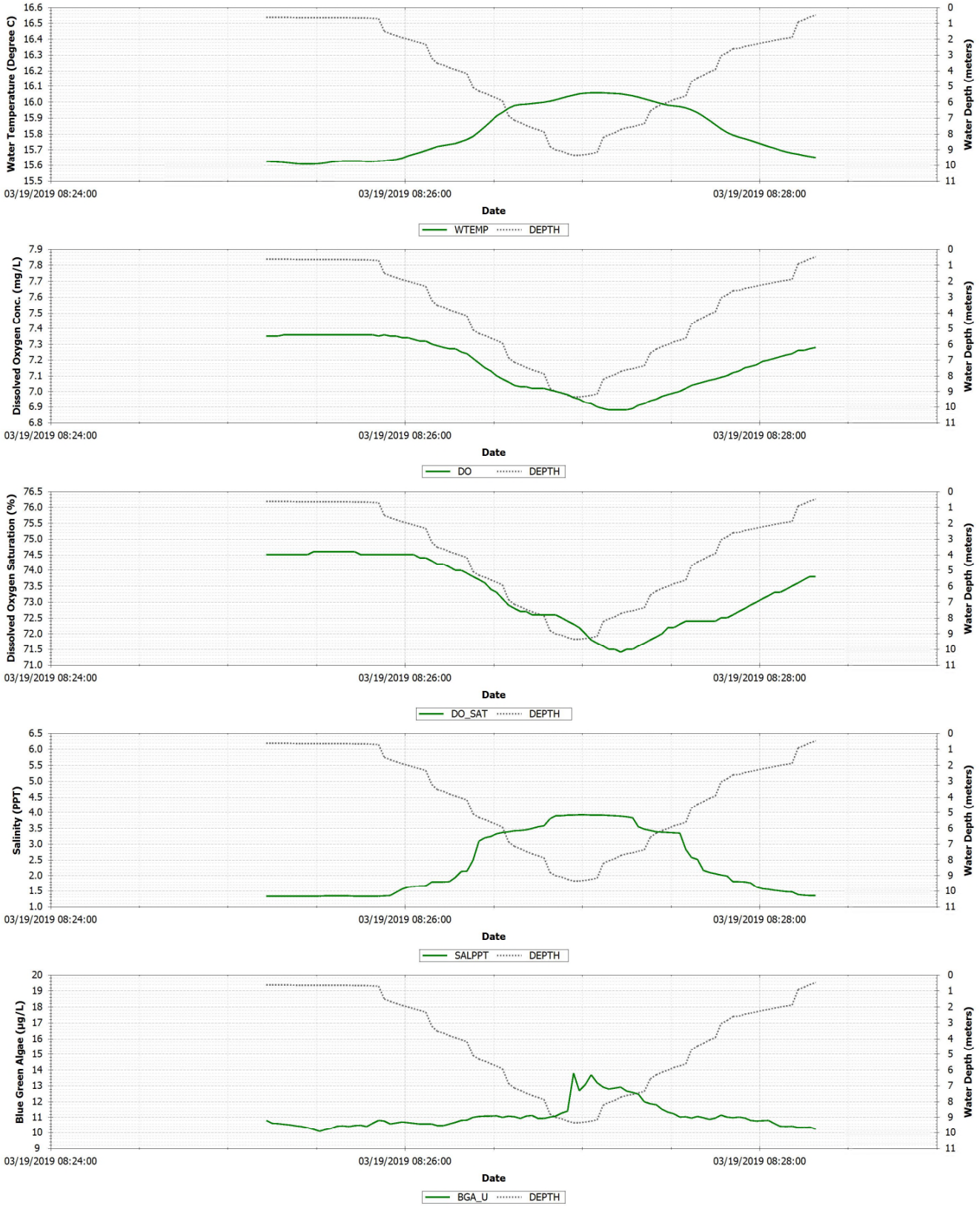


Figure C-261 Front River March 19, 2019 north buoy flood tide stationary profile observations (LFR_031919_002)

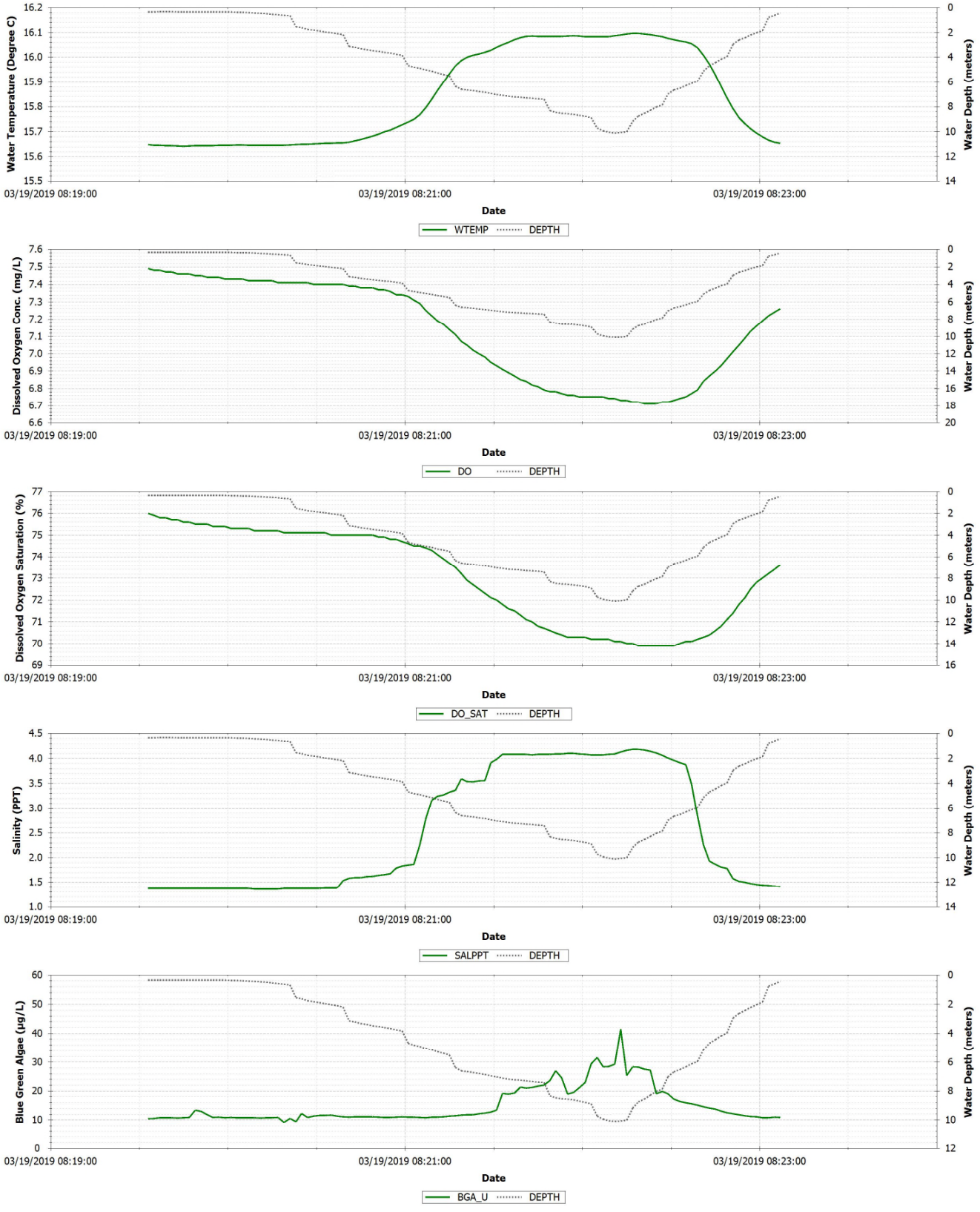


Figure C-262 Front River March 19, 2019 south buoy flood tide stationary profile observations (LFR_031919_003)

Figure C-263 Front River March 19, 2019 flood tide traveling profile location map (LFR_031919_001)

Figure C-264 Front River March 19, 2019 flood tide traveling profile observations (LFR_031919_001)

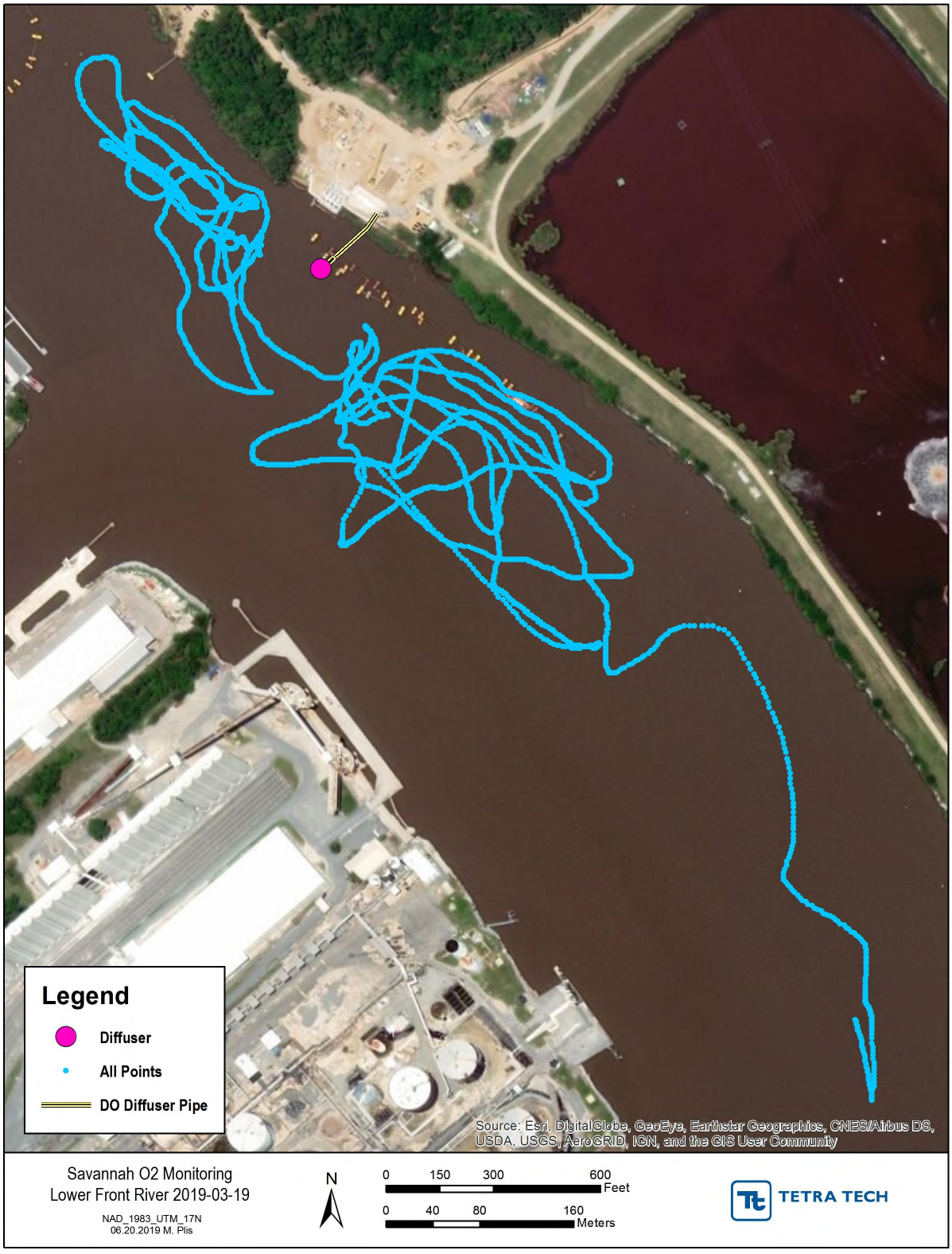


Figure C-265 Front River March 19, 2019 ebb tide traveling profile location map (LFR_031919_004)

Figure C-266 Front River March 19, 2019 ebb tide traveling profile observations (LFR_031919_004)

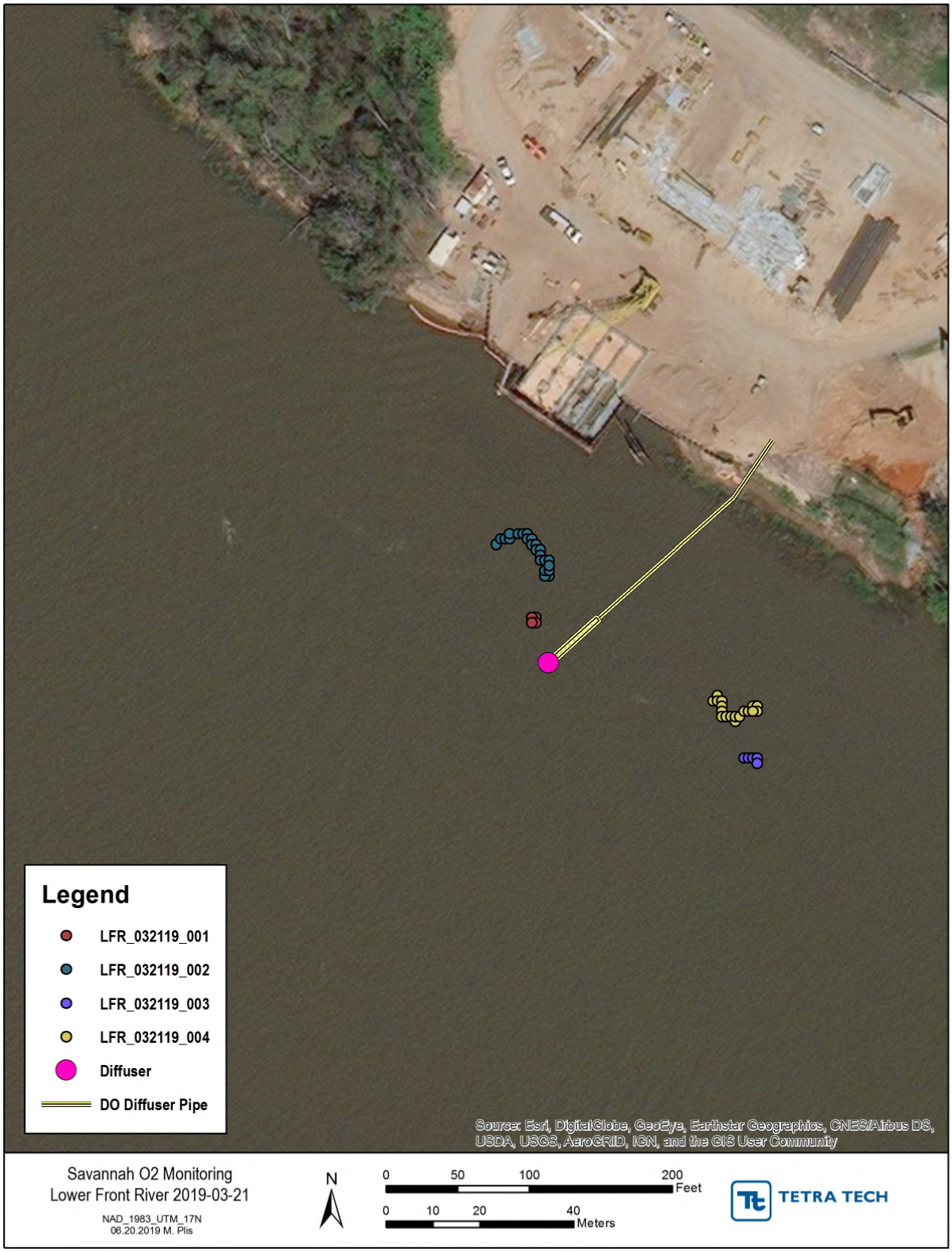


Figure C-267 Front River March 21, 2019 stationary profiles location map

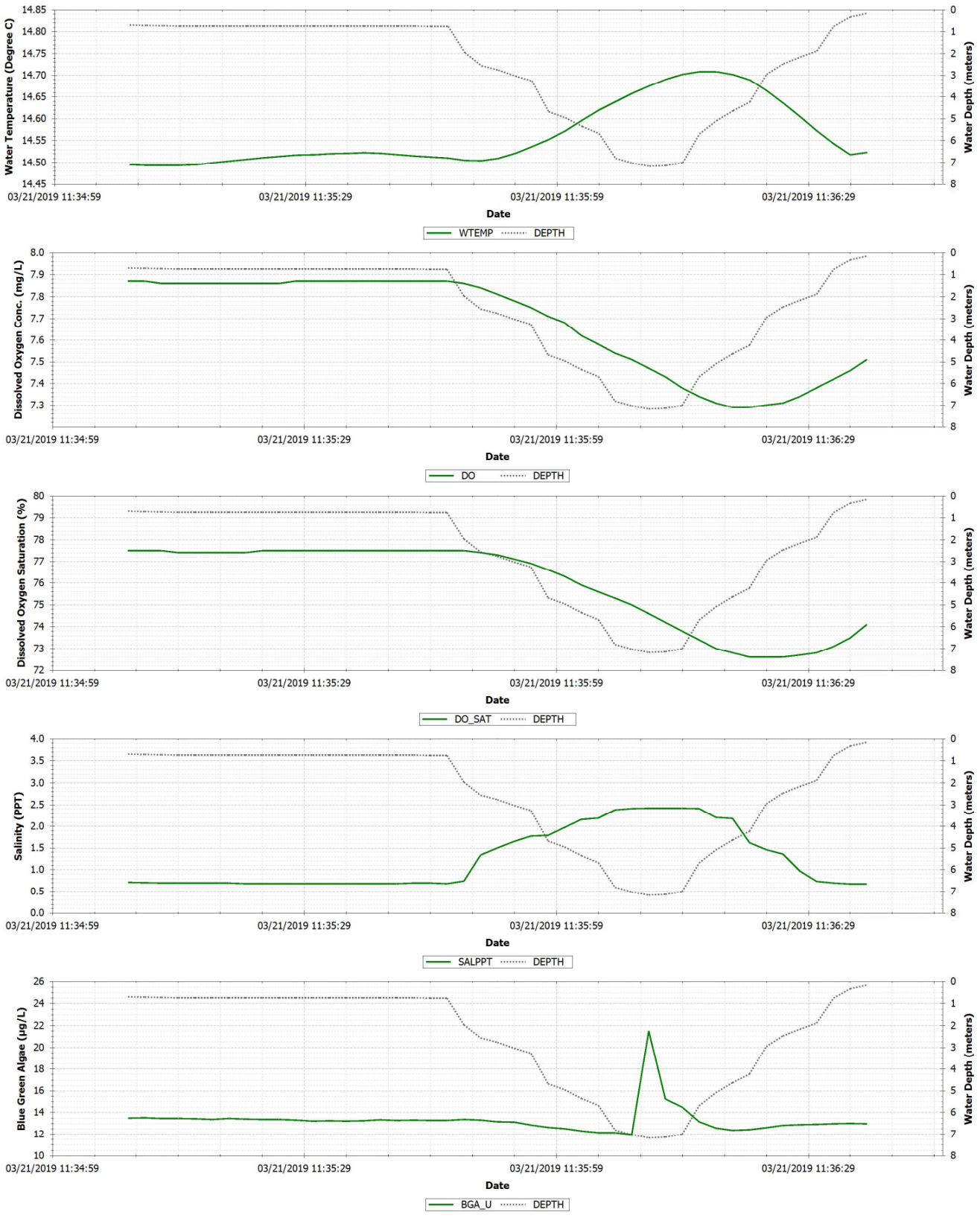


Figure C-268 Front River March 21, 2019 north buoy flood tide stationary profile observations (LFR_032119_001)

Figure C-269 Front River March 21, 2019 north buoy ebb tide stationary profile observations (LFR_032119_002)

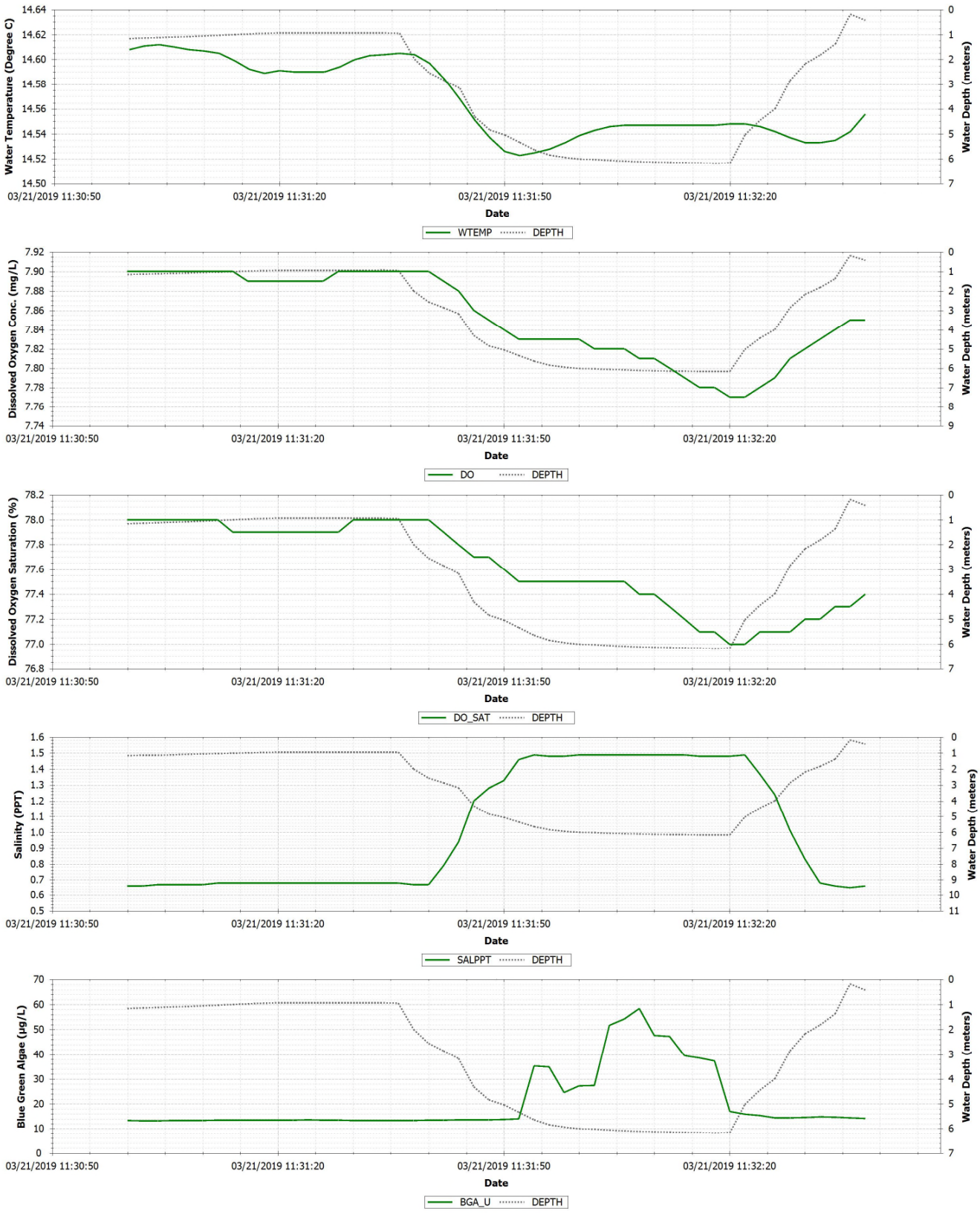


Figure C-270 Front River March 21, 2019 south buoy flood tide stationary profile observations (LFR_032119_003)

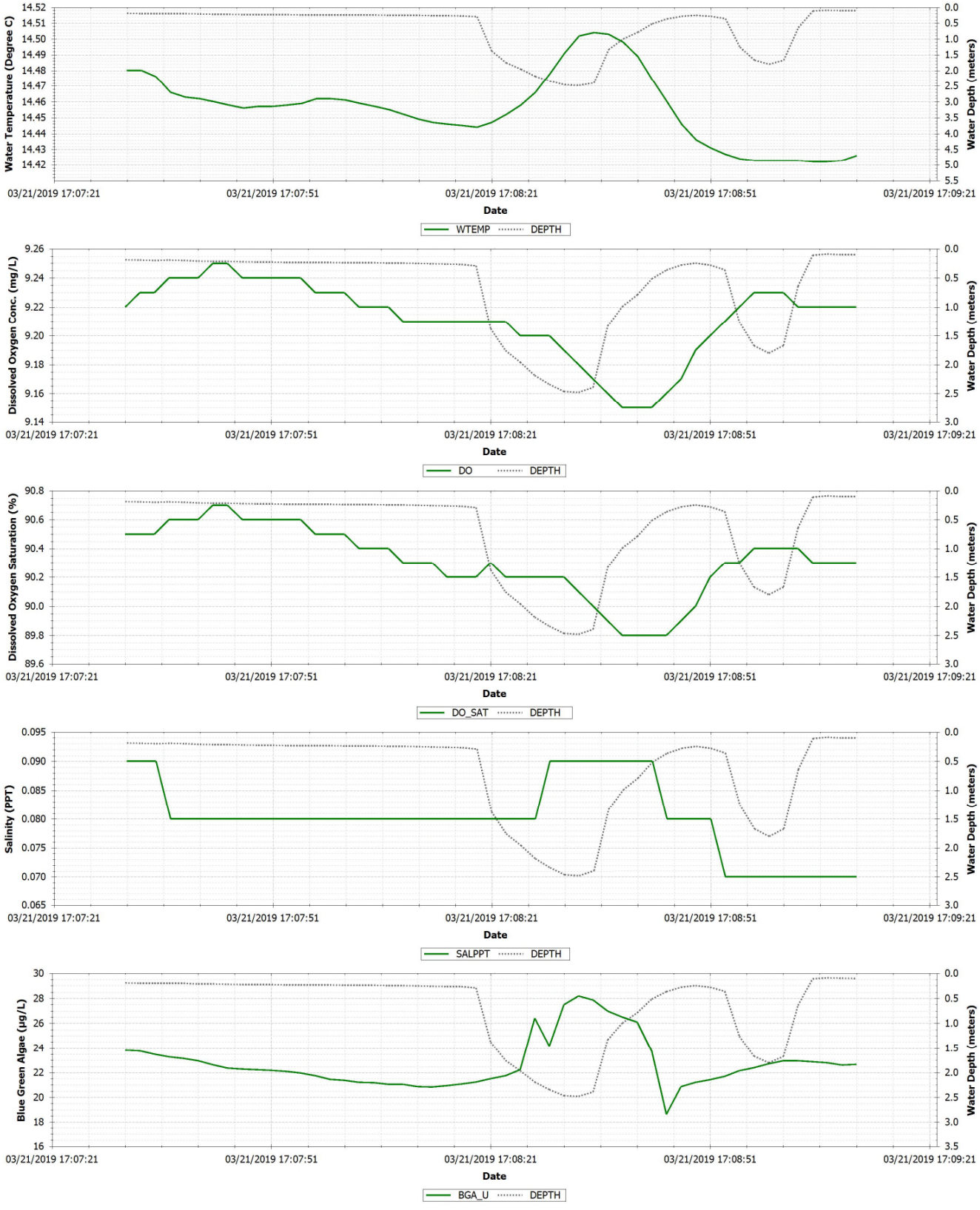


Figure C-271 Front River March 21, 2019 south buoy ebb tide stationary profile observations (LFR_032119_004)

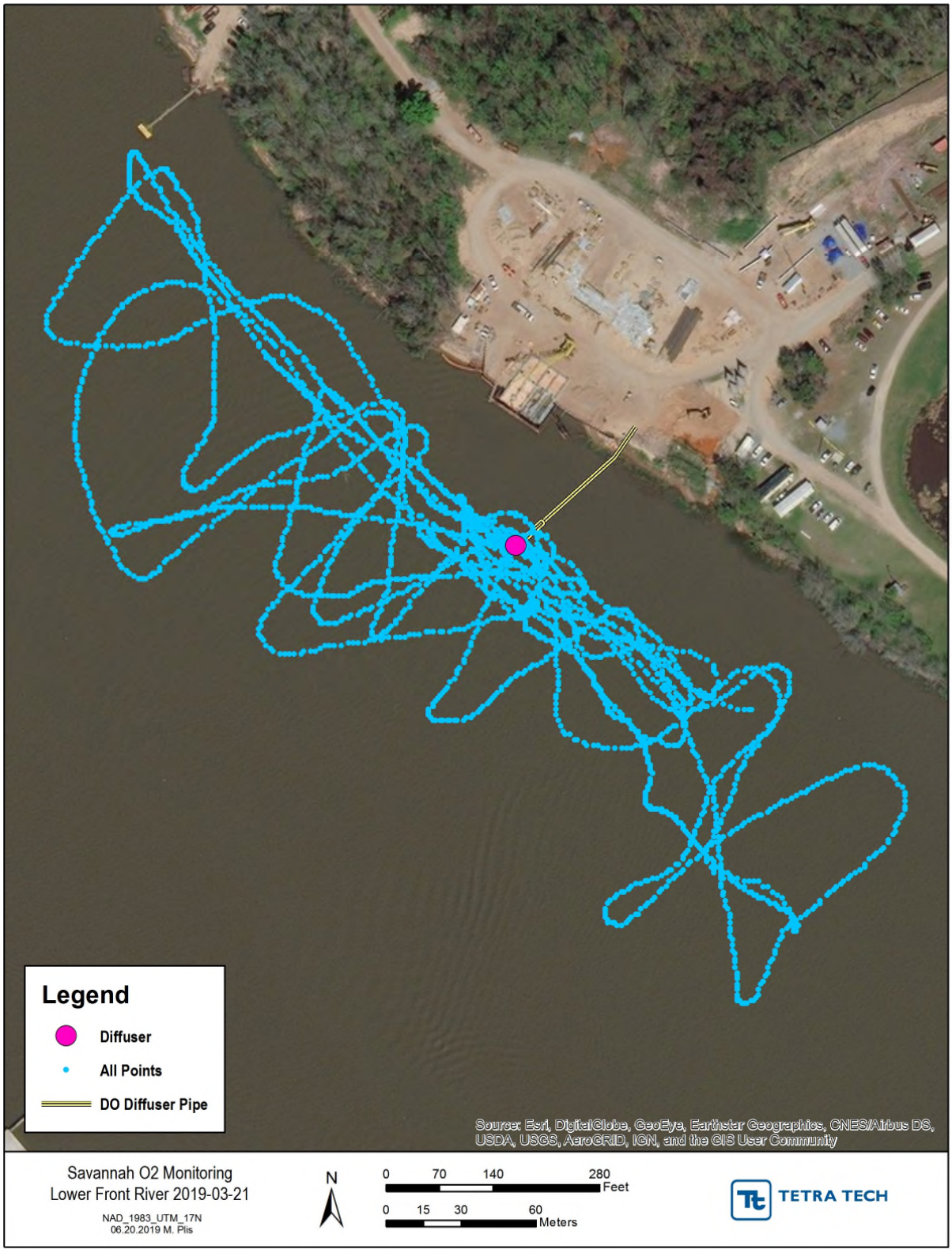


Figure C-272 Front River March 21, 2019 flood tide traveling profile location map (LFR_032119_005)

Figure C-273 Front River March 21, 2019 flood tide traveling profile observations (LFR_032119_005)

Figure C-274 Front River March 21, 2019 ebb tide traveling profile period 1 location map (LFR_032119_007)

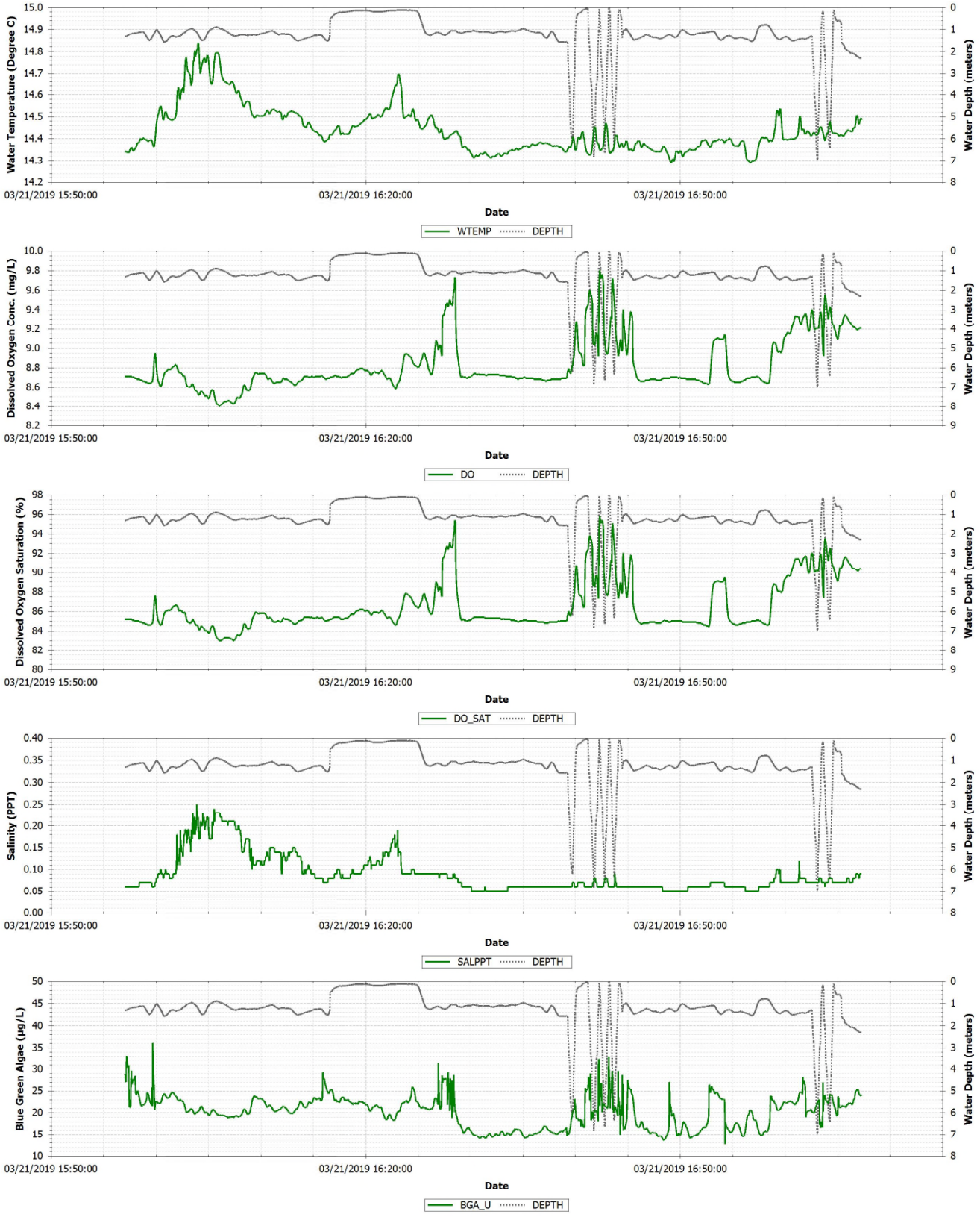


Figure C-275 Front River March 21, 2019 ebb tide traveling profile period 1 observations (LFR_032119_007)

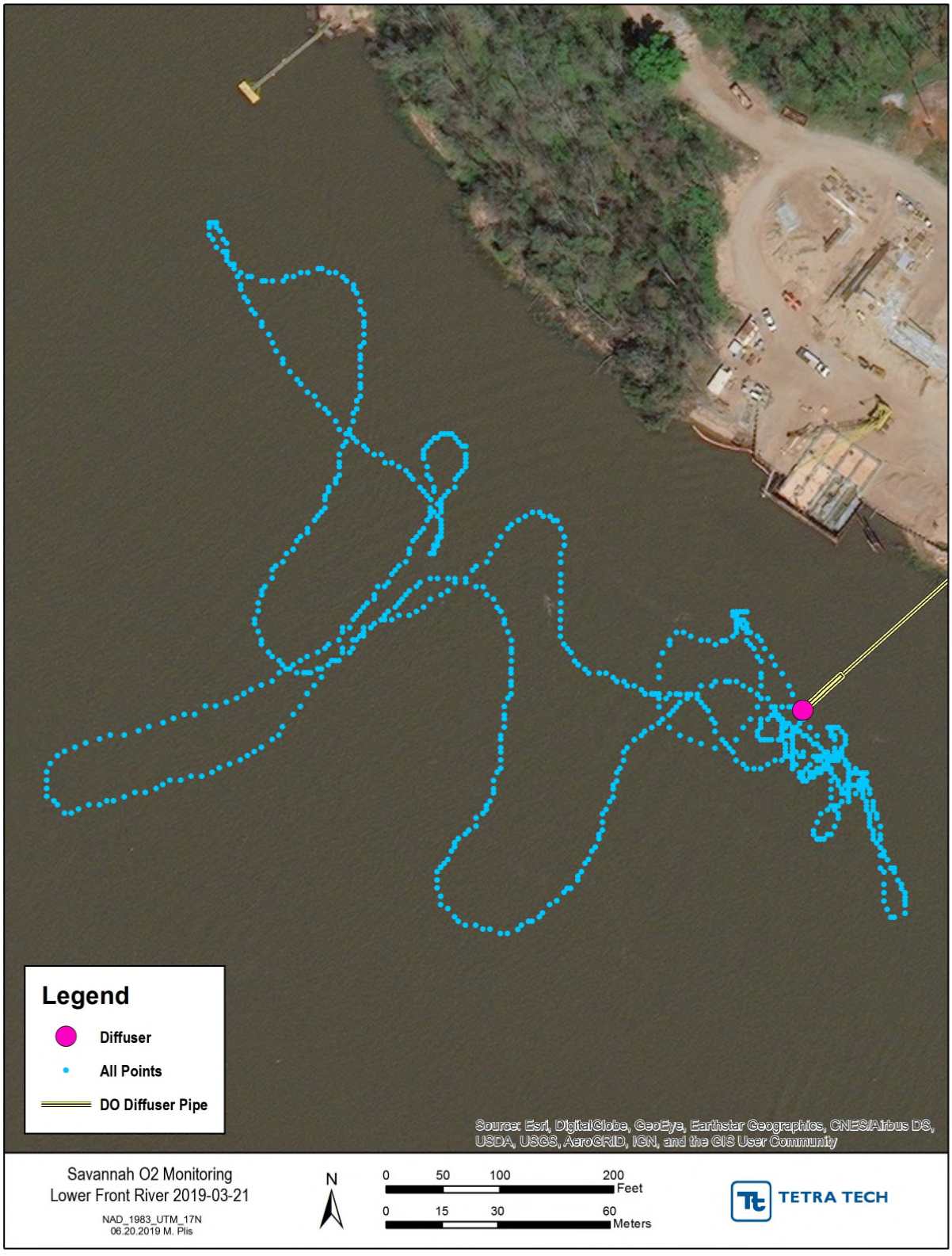


Figure C-276 Front River March 21, 2019 ebb tide traveling profile period 2 location map (LFR_032119_006)

Figure C-277 Front River March 21, 2019 ebb tide traveling profile period 2 observations (LFR_032119_006)

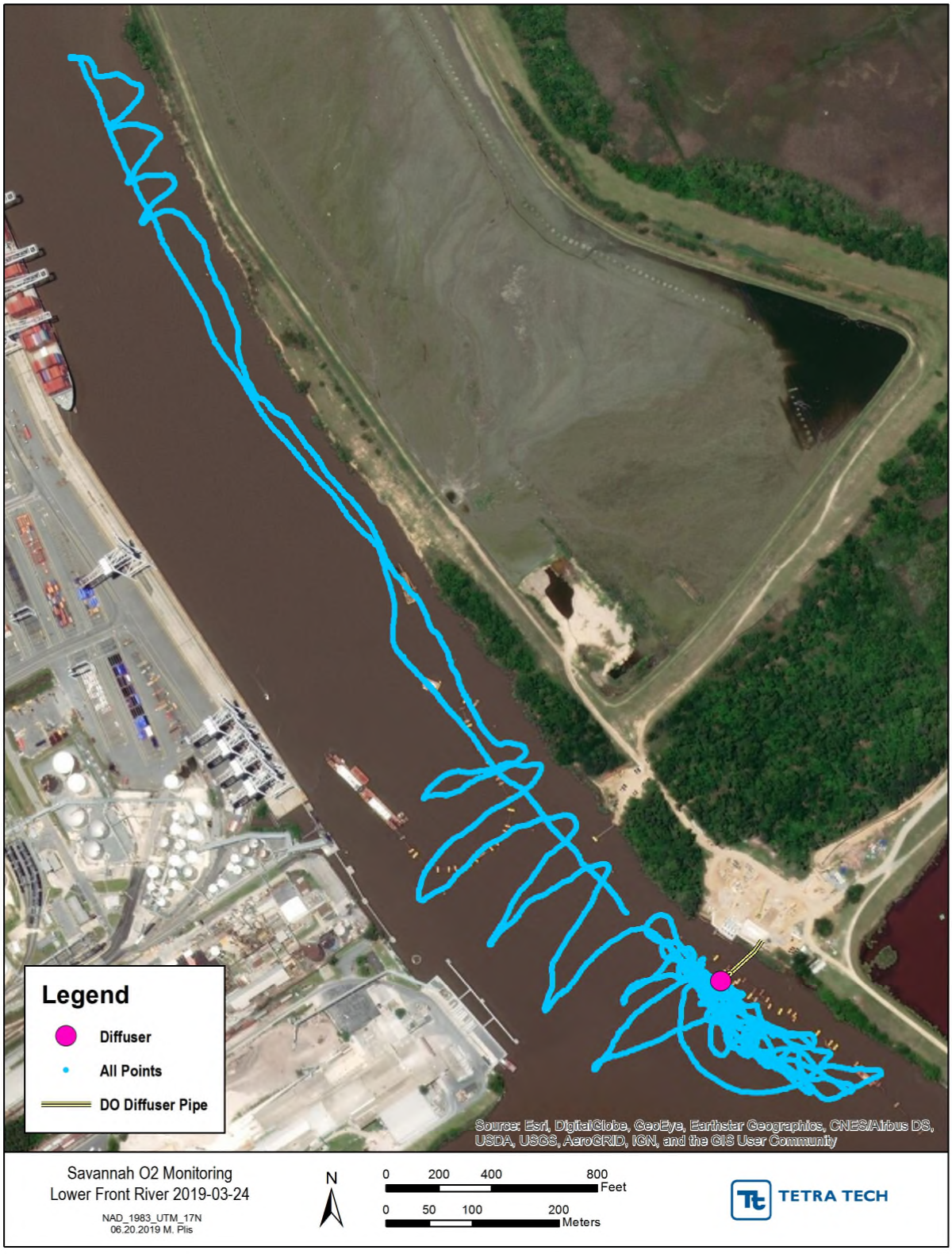


Figure C-278 Front River March 24, 2019 flood tide traveling profile location map (LFR_032419_001)

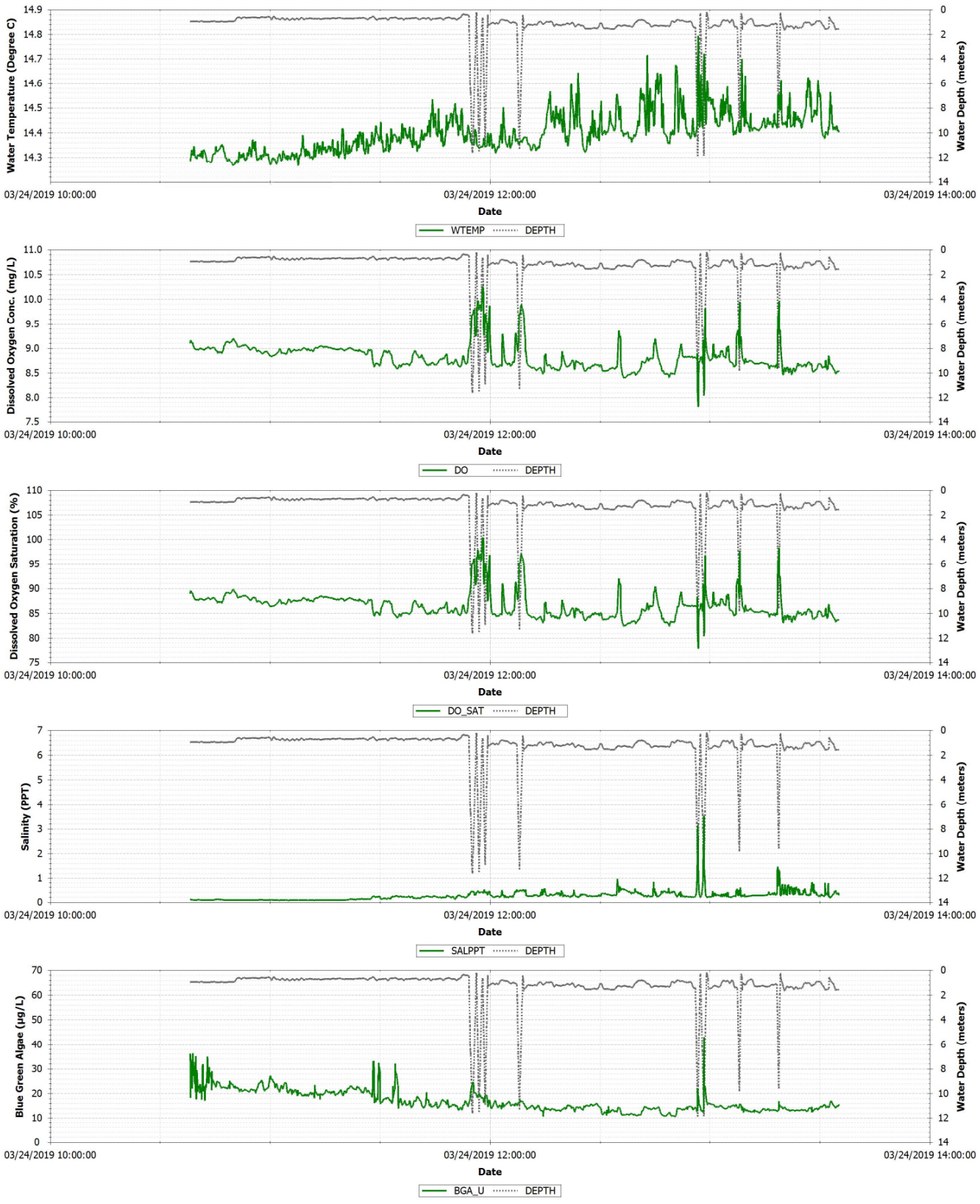


Figure C-279 Front River March 24, 2019 flood tide traveling profile observations (LFR_032419_001)

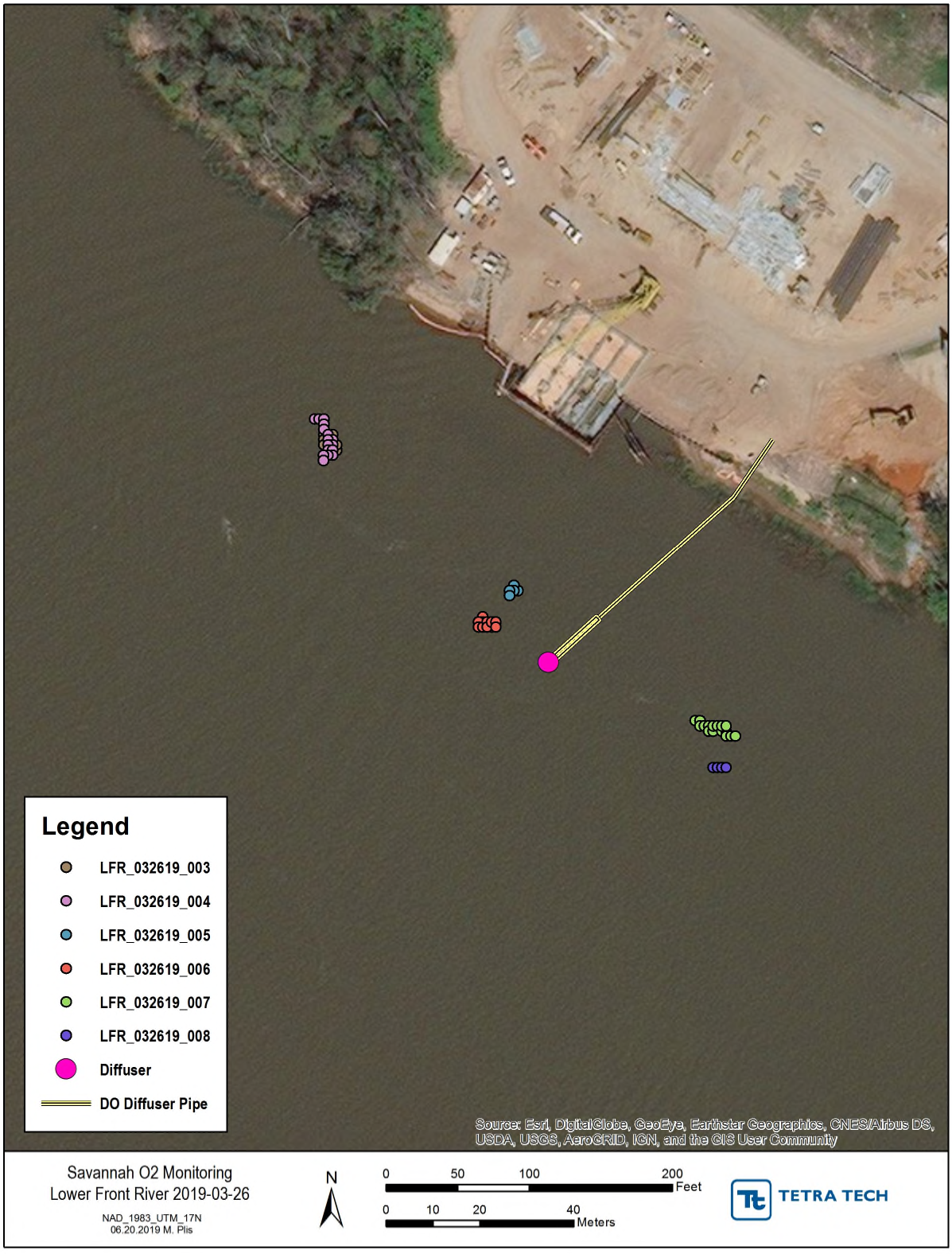


Figure C-280 Front River March 26, 2019 stationary profiles location map

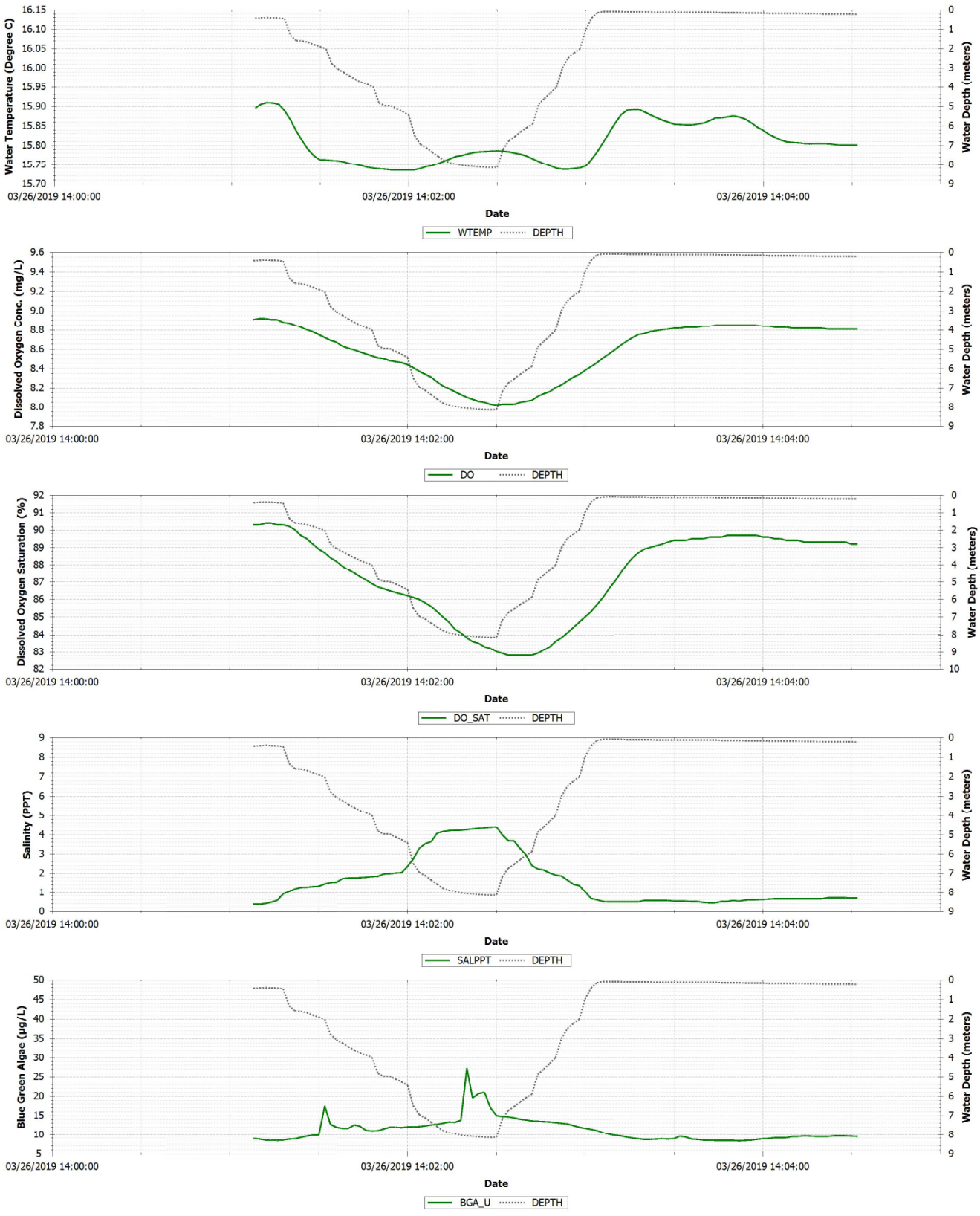


Figure C-281 Front River March 26, 2019 additional buoy flood tide stationary profile observations (LFR_032619_003)

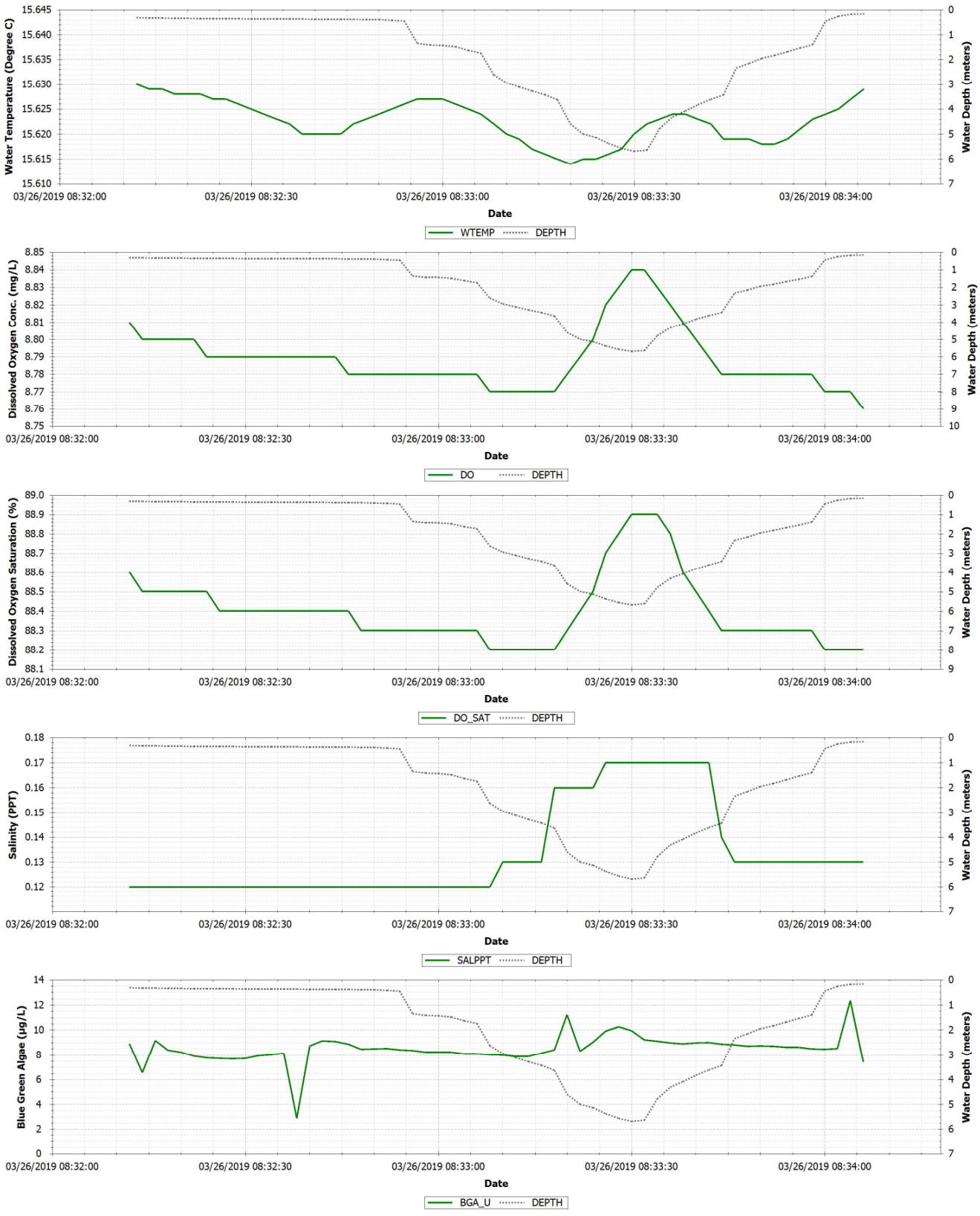


Figure C-282 Front River March 26, 2019 additional buoy ebb tide stationary profile observations (LFR_032619_004)

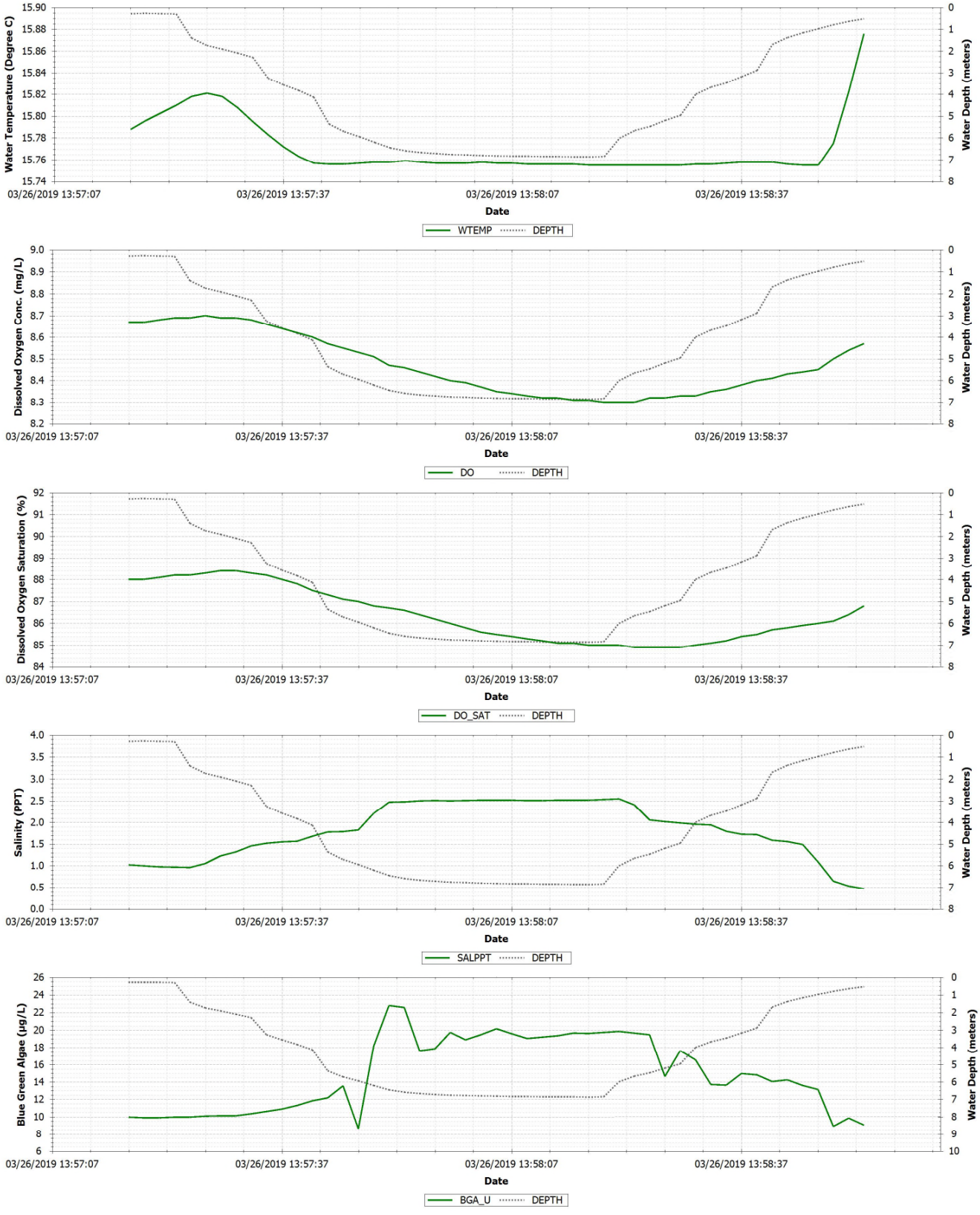


Figure C-283 Front River March 26, 2019 north buoy flood tide stationary profile observations (LFR_032619_005)

Figure C-284 Front River March 26, 2019 north buoy ebb tide stationary profile observations (LFR_032619_006)

Figure C-285 Front River March 26, 2019 south buoy flood tide stationary profile observations (LFR_032619_007)

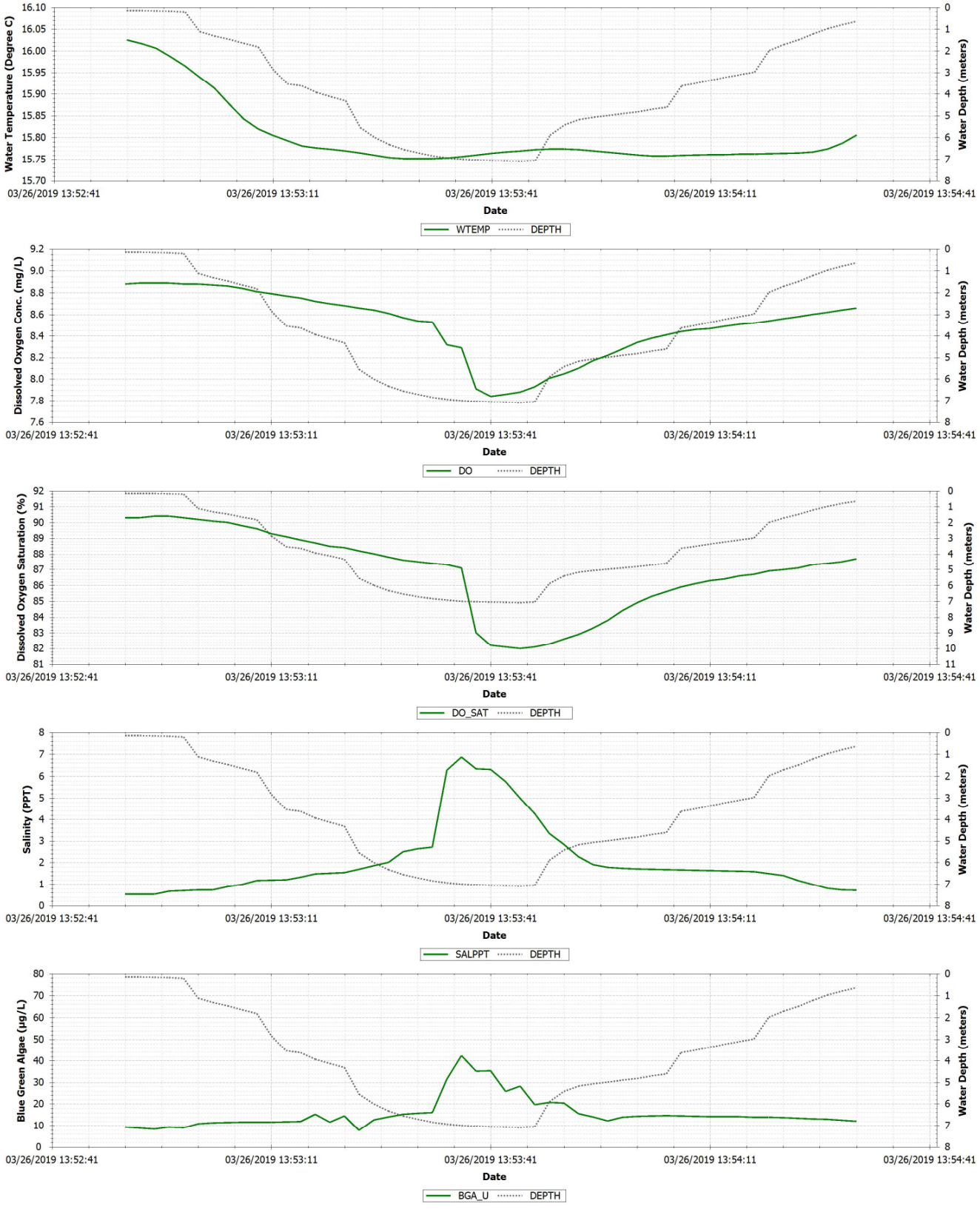


Figure C-286 Front River March 26, 2019 south buoy ebb tide stationary profile observations (LFR_032619_008)

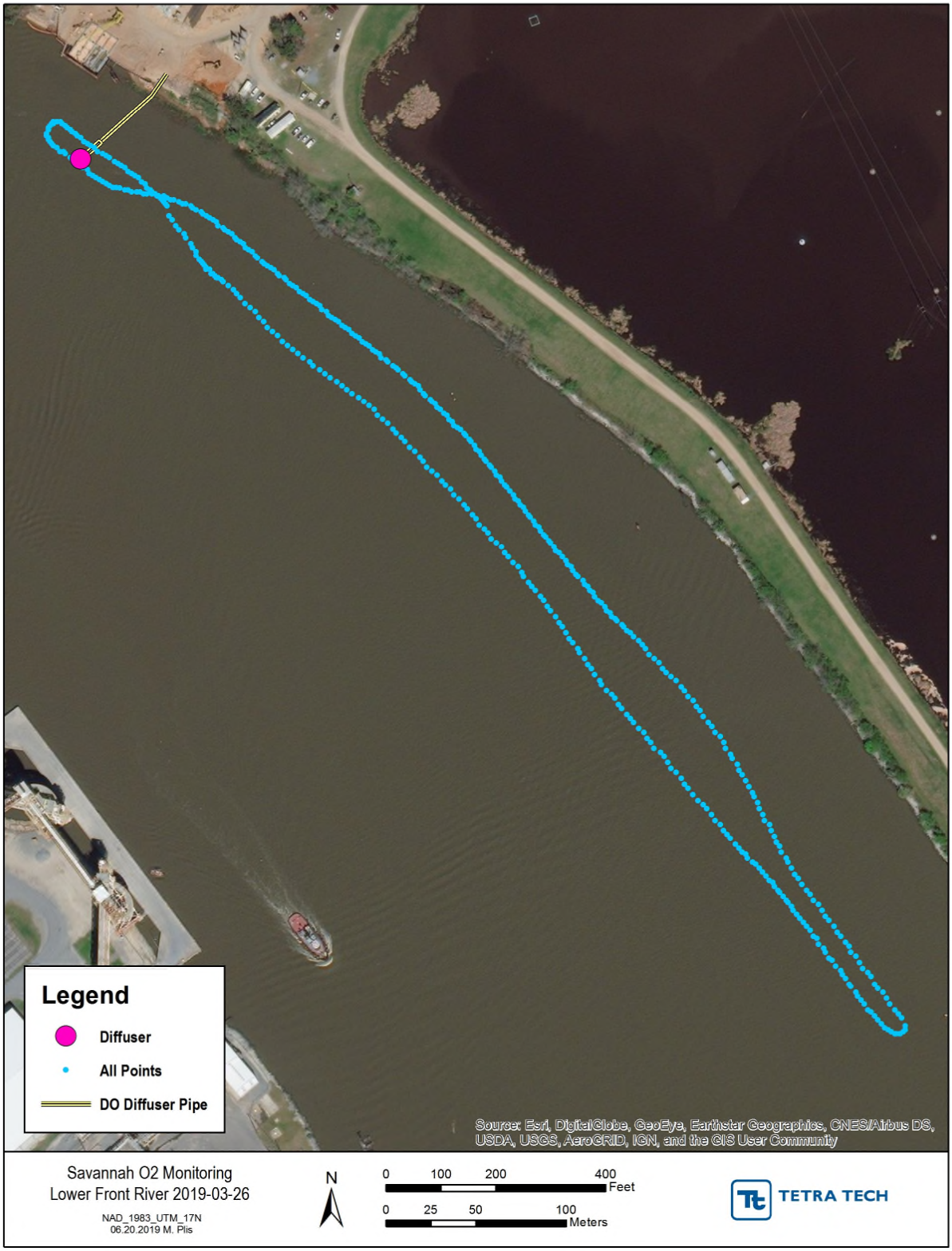


Figure C-287 Front River March 26, 2019 ebb tide traveling profile period 1 location map (LFR_032619_010)

Figure C-288 Front River March 26, 2019 ebb tide traveling profile period 1 observations (LFR_032619_010)

Figure C-289 Front River March 26, 2019 ebb tide traveling profile period 2 location map (LFR_032619_009)

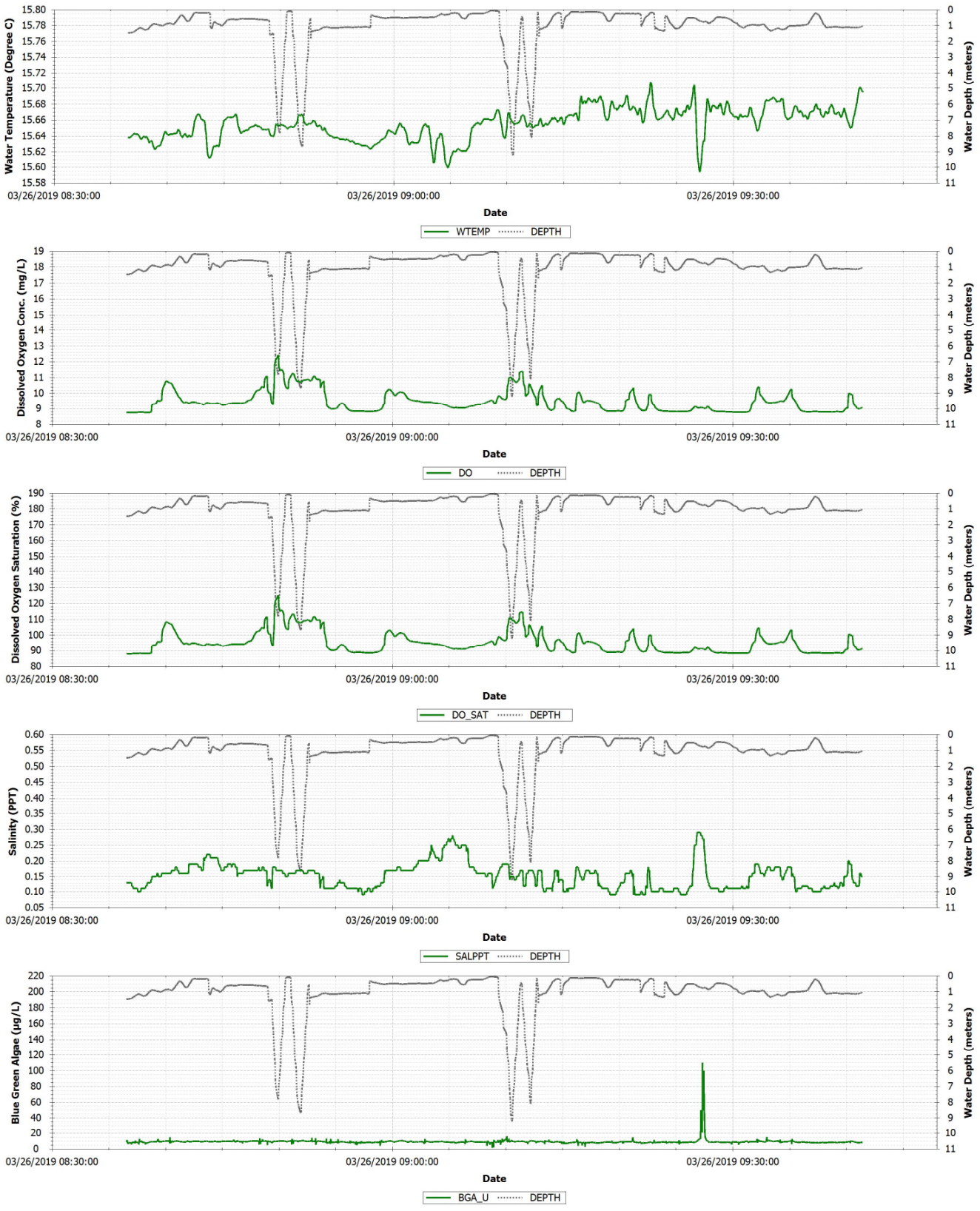


Figure C-290 Front River March 26, 2019 ebb tide traveling profile period 2 observations (LFR_032619_009)

Figure C-291 Front River March 26, 2019 flood tide traveling profile period 1 location map (LFR_032619_002)

Figure C-292 Front River March 26, 2019 flood tide traveling profile period 1 observations (LFR_032619_002)

Figure C-293 Front River March 26, 2019 flood tide traveling profile period 2 location map (LFR_032619_012)

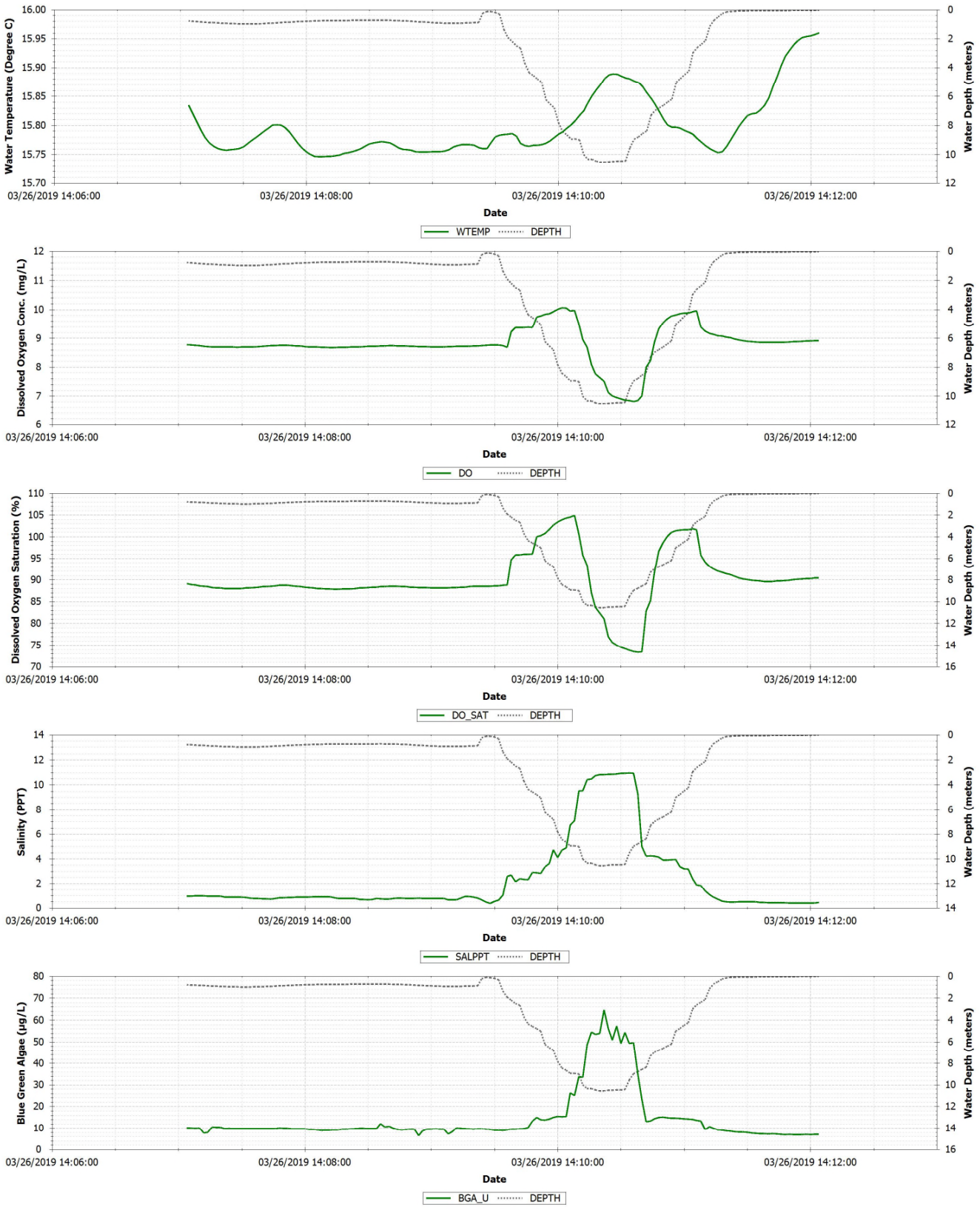


Figure C-294 Front River March 26, 2019 flood tide traveling profile period 2 observations (LFR_032619_012)

Figure C-295 Front River March 26, 2019 flood tide traveling profile period 3 location map (LFR_032619_011)

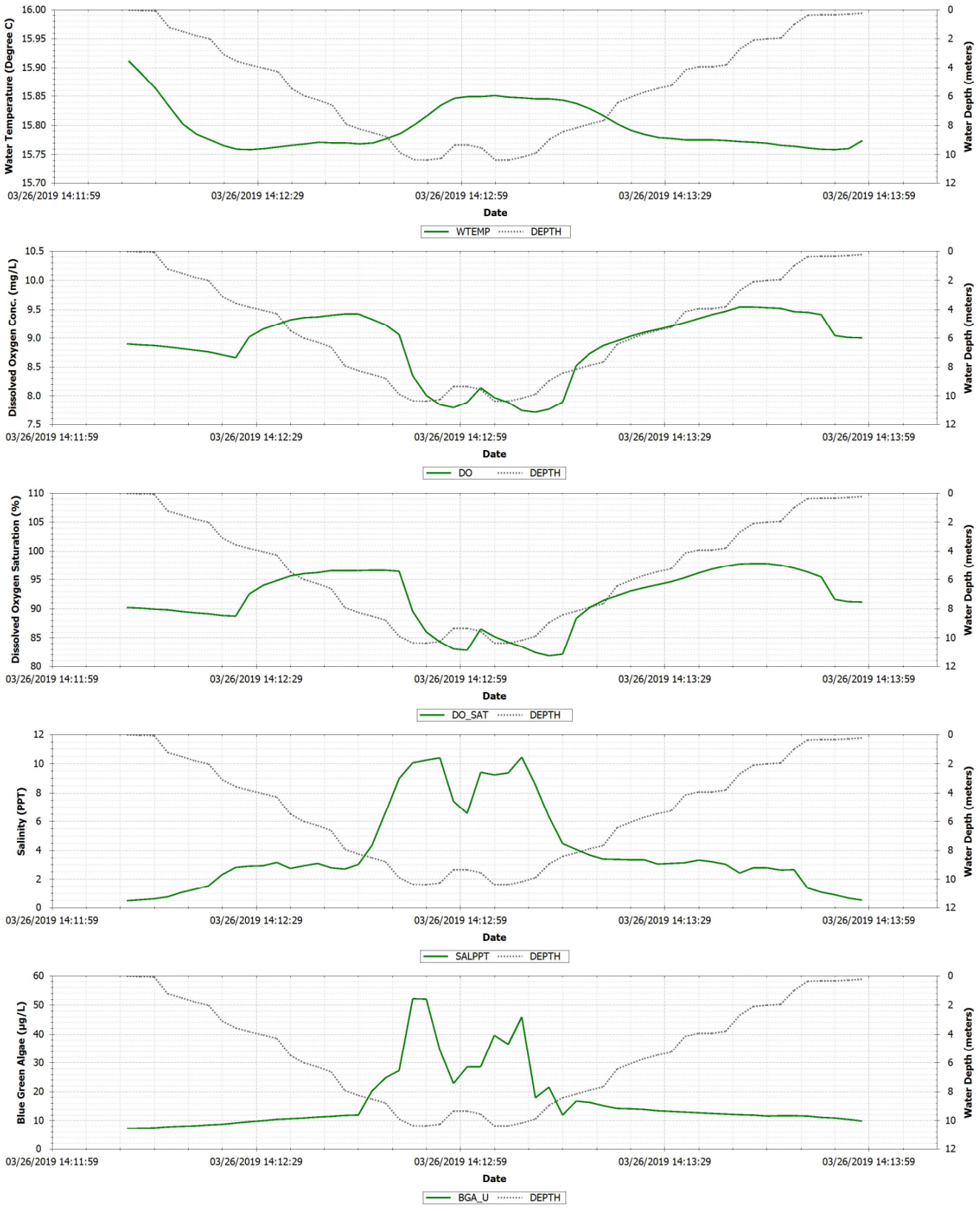


Figure C-296 Front River March 26, 2019 flood tide traveling profile period 3 observations (LFR_032619_011)

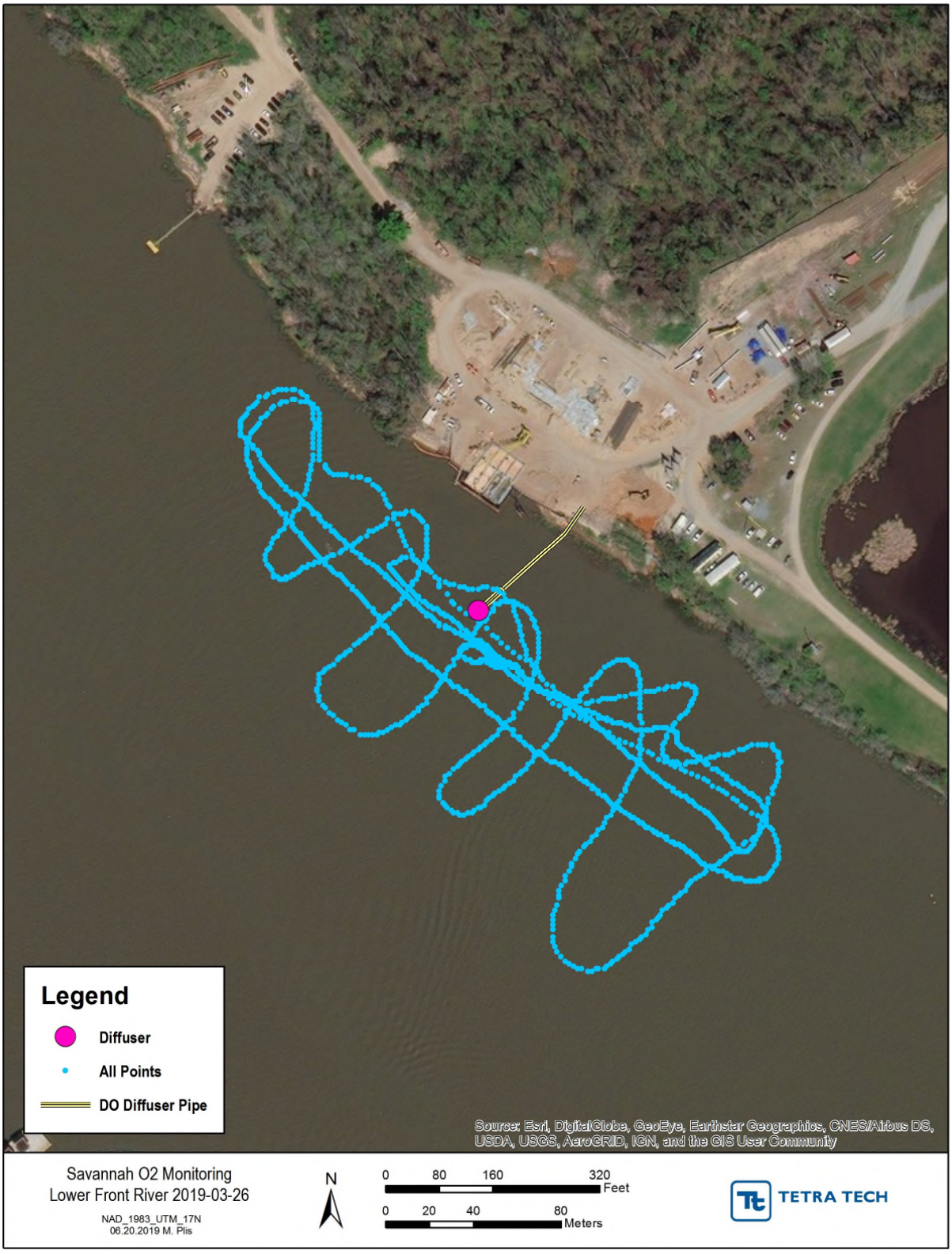


Figure C-297 Front River March 26, 2019 flood tide traveling profile period 4 location map (LFR_032619_001)

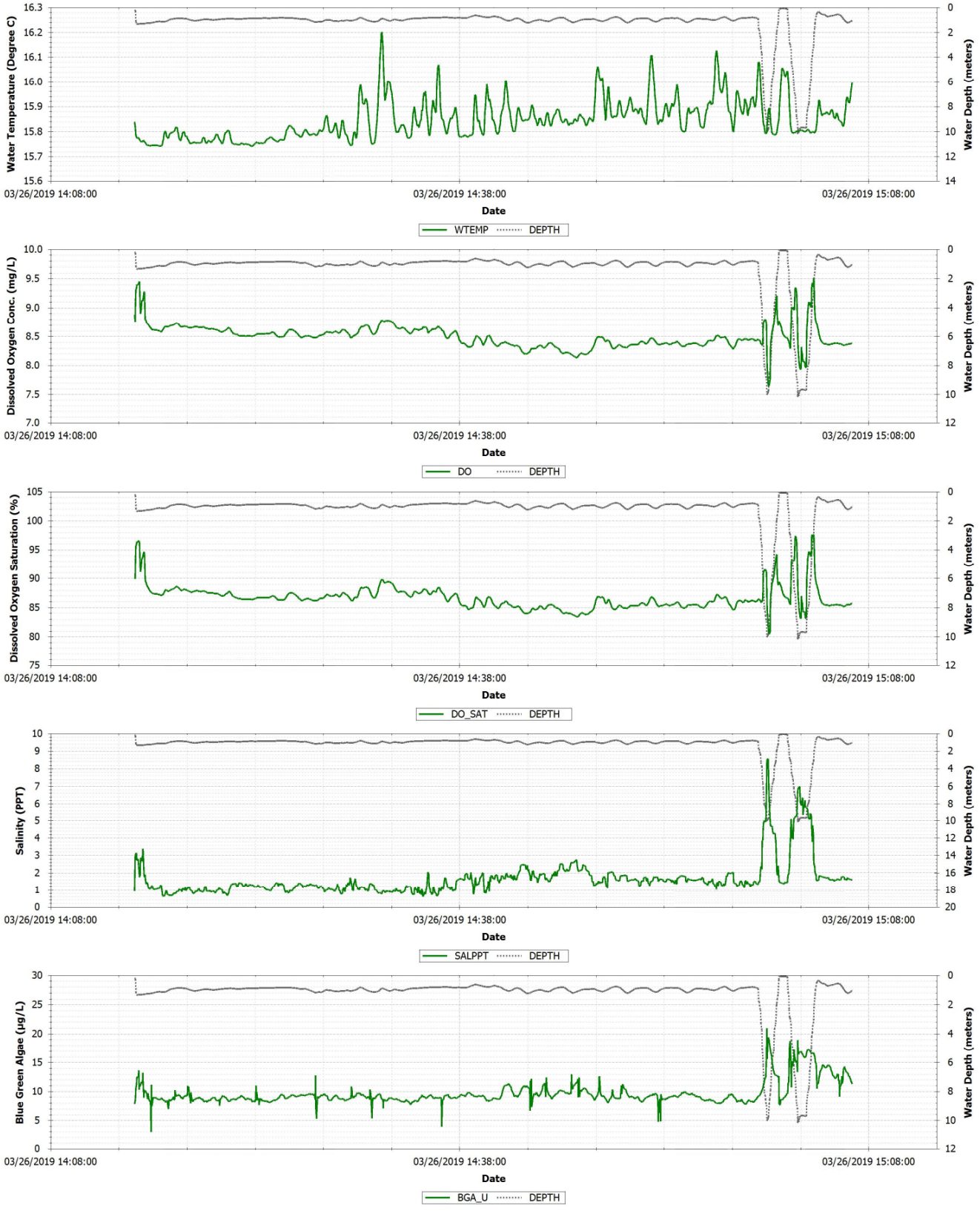


Figure C-298 Front River March 26, 2019 flood tide traveling profile period 4 observations (LFR_032619_001)

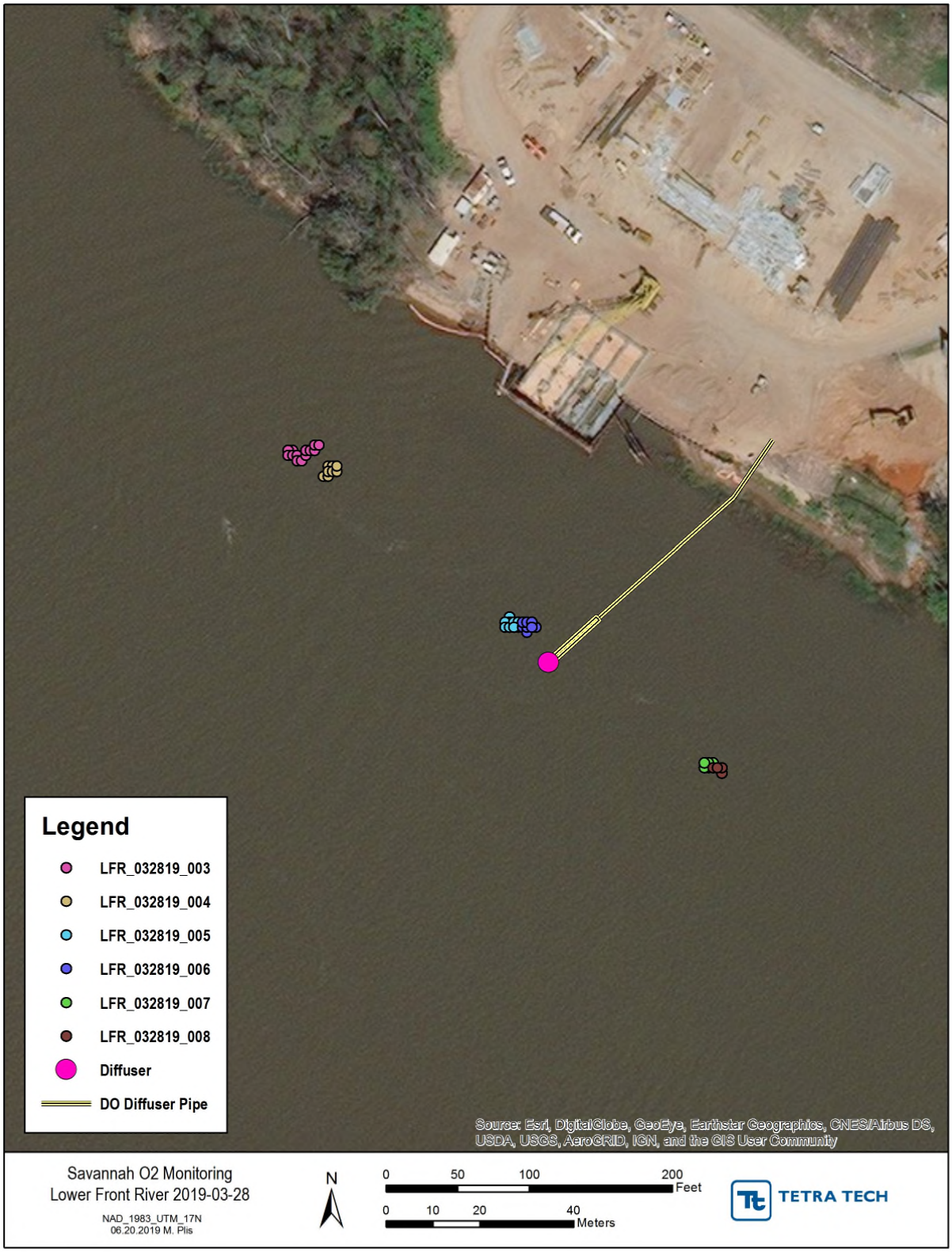


Figure C-299 Front River March 28, 2019 stationary profiles location map

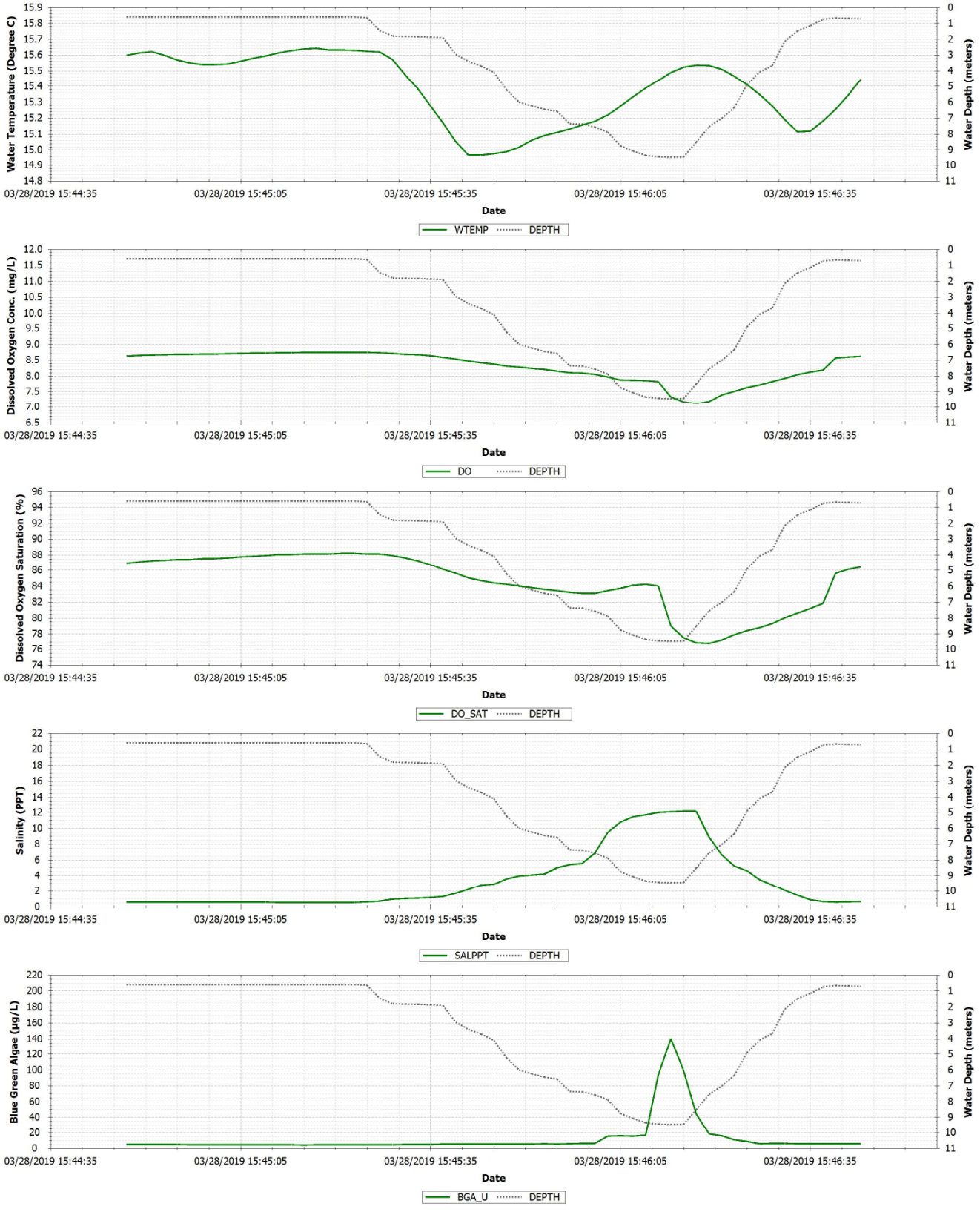


Figure C-300 Front River March 28, 2019 additional buoy flood tide stationary profile observations (LFR_032819_003)

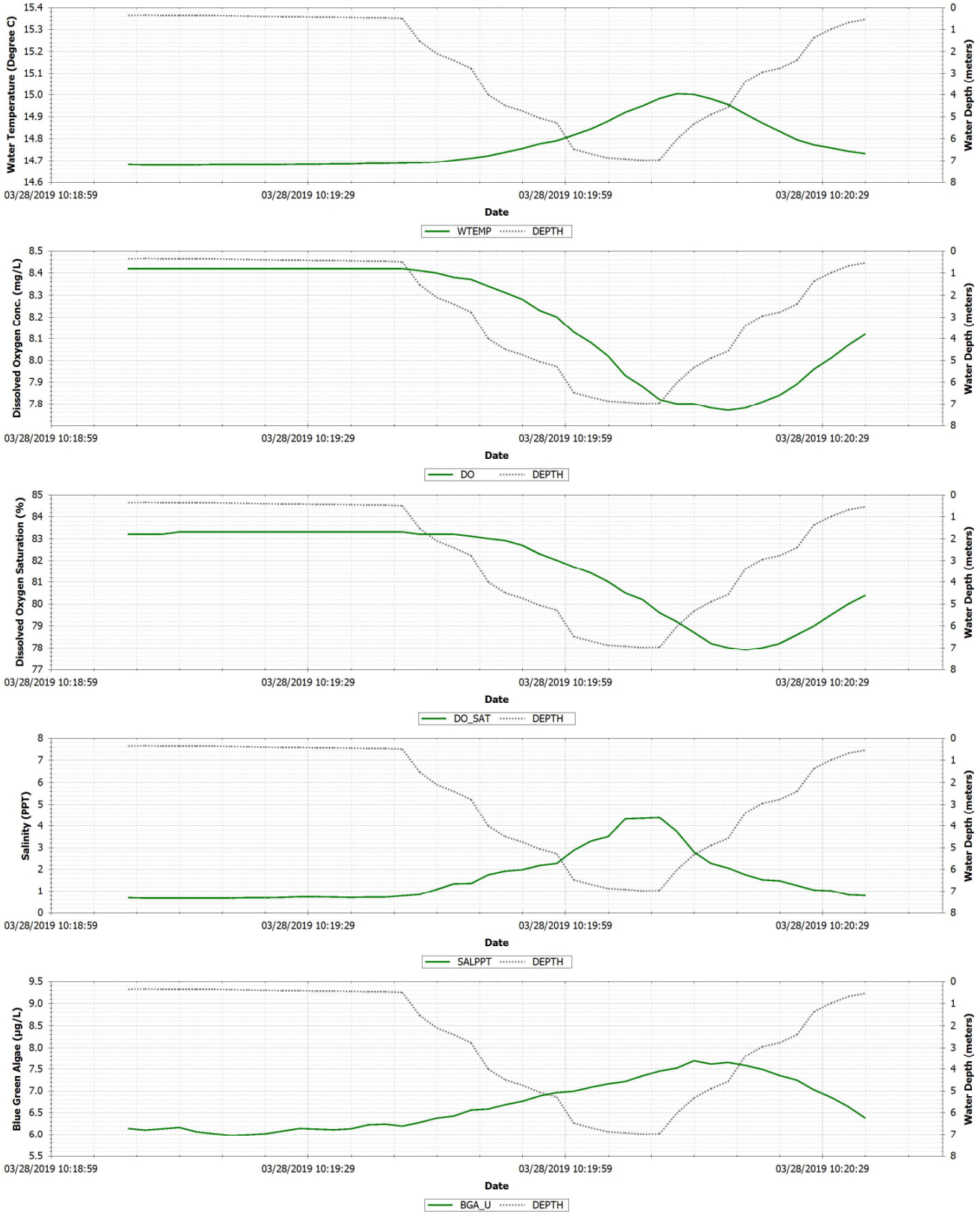


Figure C-301 Front River March 28, 2019 additional buoy ebb tide stationary profile observations (LFR_032819_004)

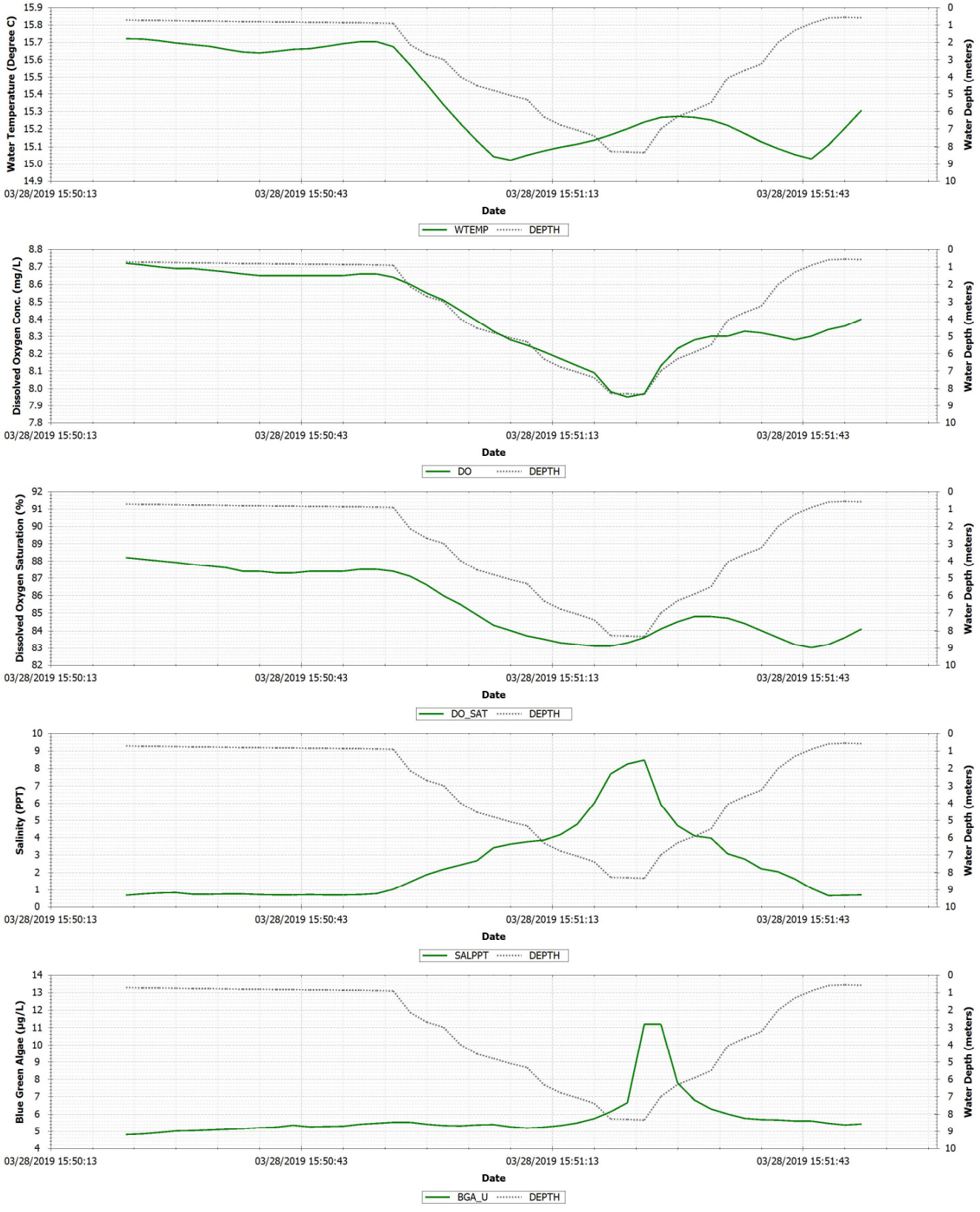


Figure C-302 Front River March 28, 2019 north buoy flood tide stationary profile observations (LFR_032819_005)

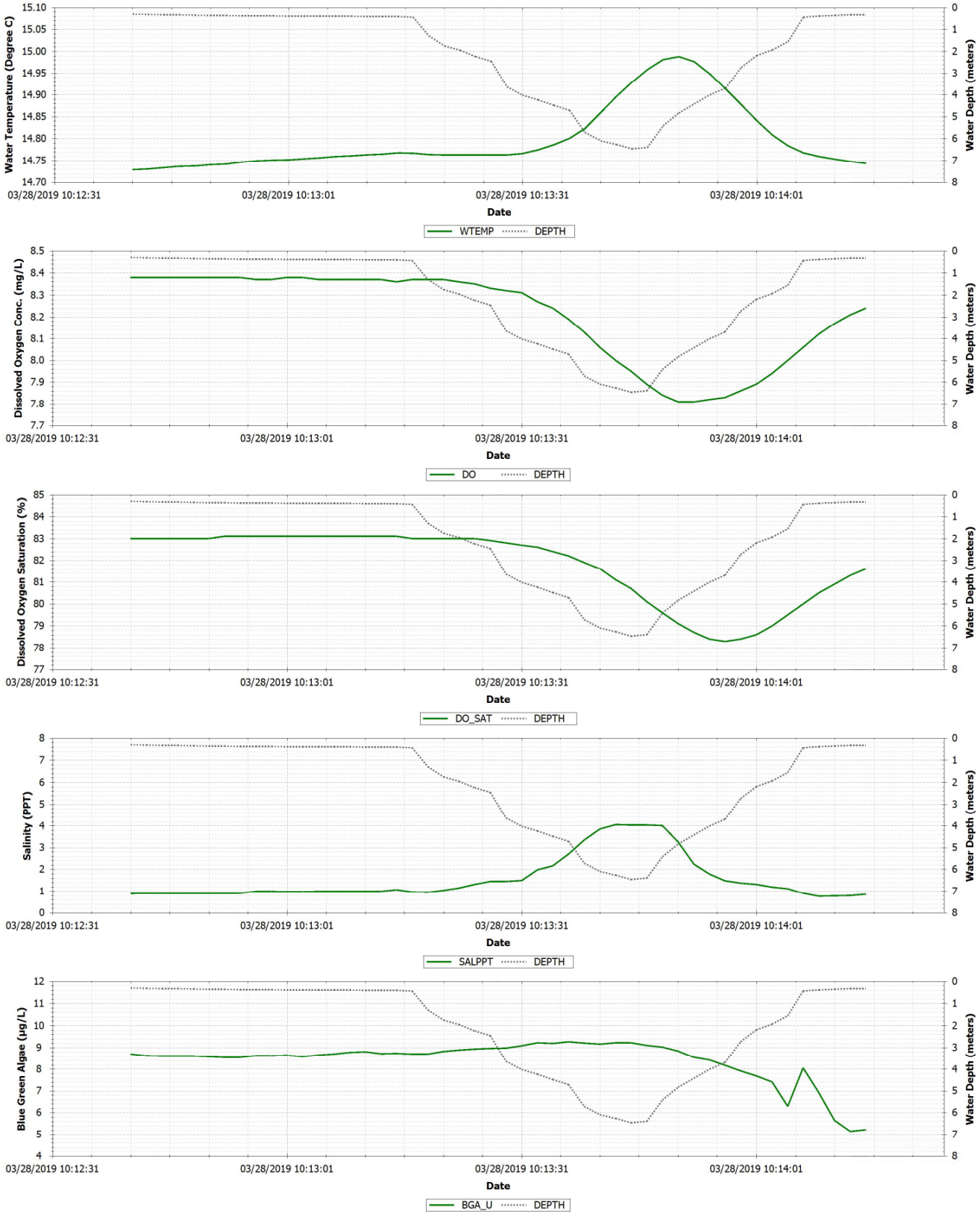


Figure C-303 Front River March 28, 2019 north buoy ebb tide stationary profile observations (LFR_032819_006)

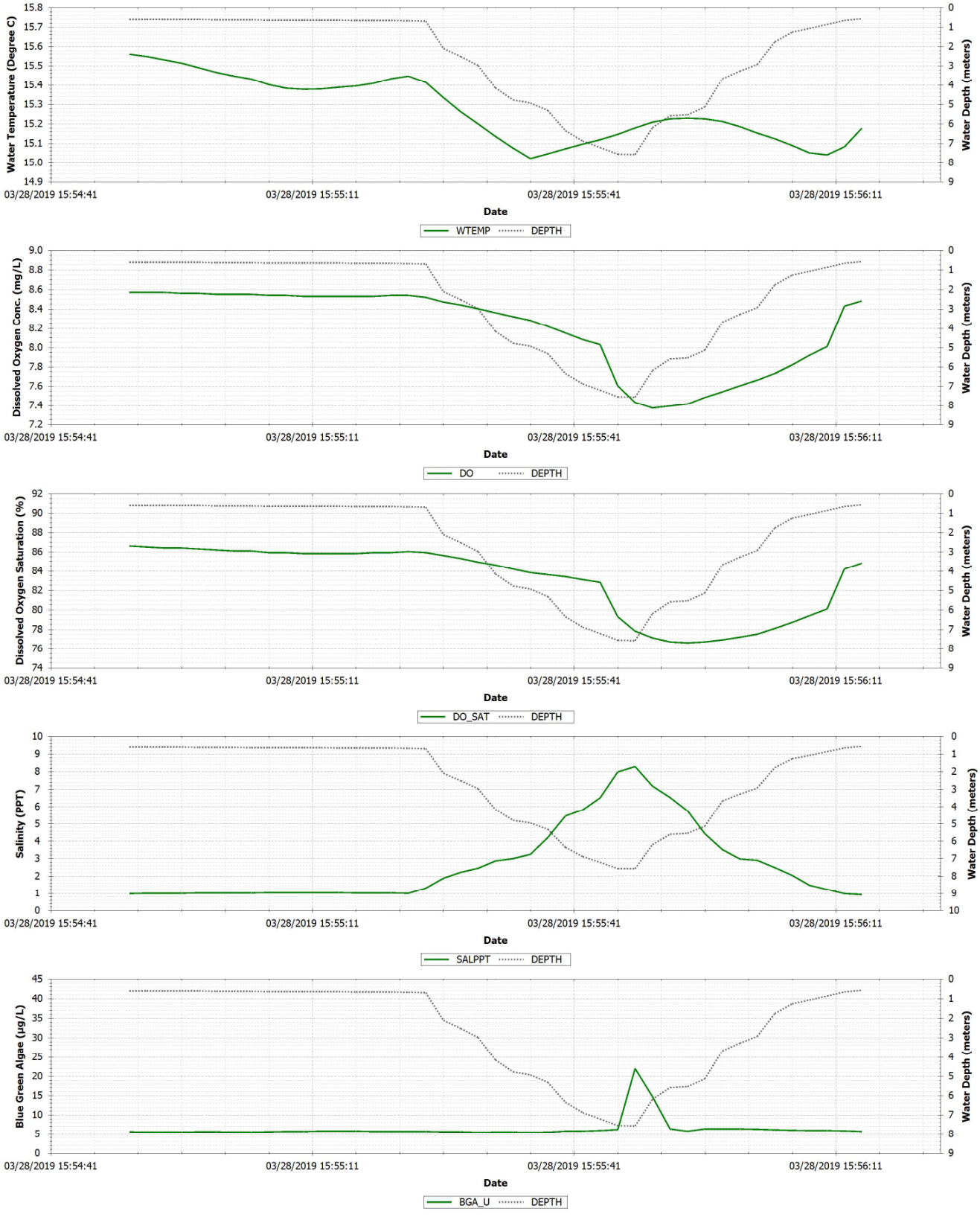


Figure C-304 Front River March 28, 2019 south buoy flood tide stationary profile observations (LFR_032819_007)

Figure C-305 Front River March 28, 2019 south buoy ebb tide stationary profile observations (LFR_032819_008)

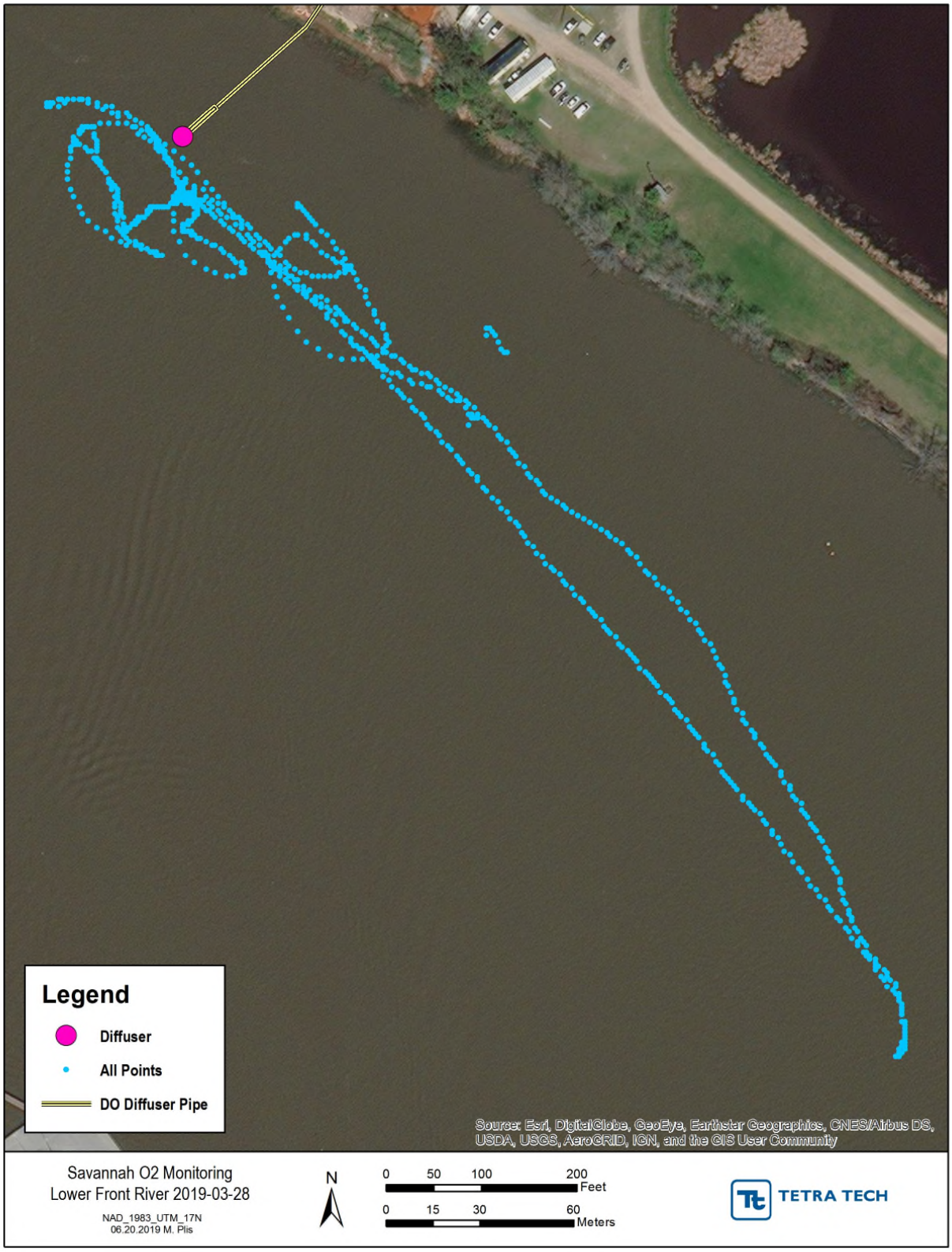


Figure C-306 Front River March 28, 2019 ebb tide traveling profile period 1 location map (LFR_032819_009)

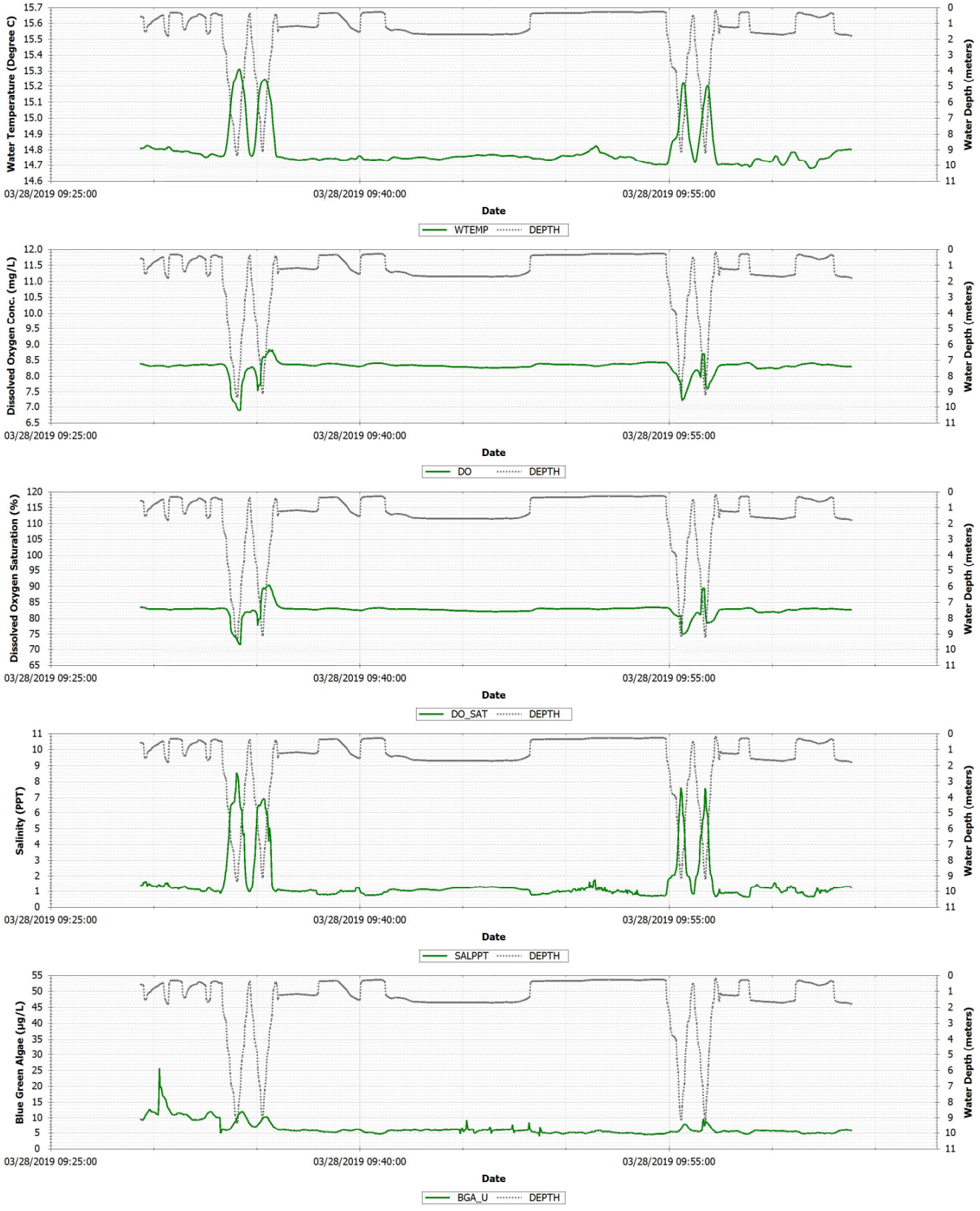


Figure C-307 Front River March 28, 2019 ebb tide traveling profile period 1 observations (LFR_032819_009)

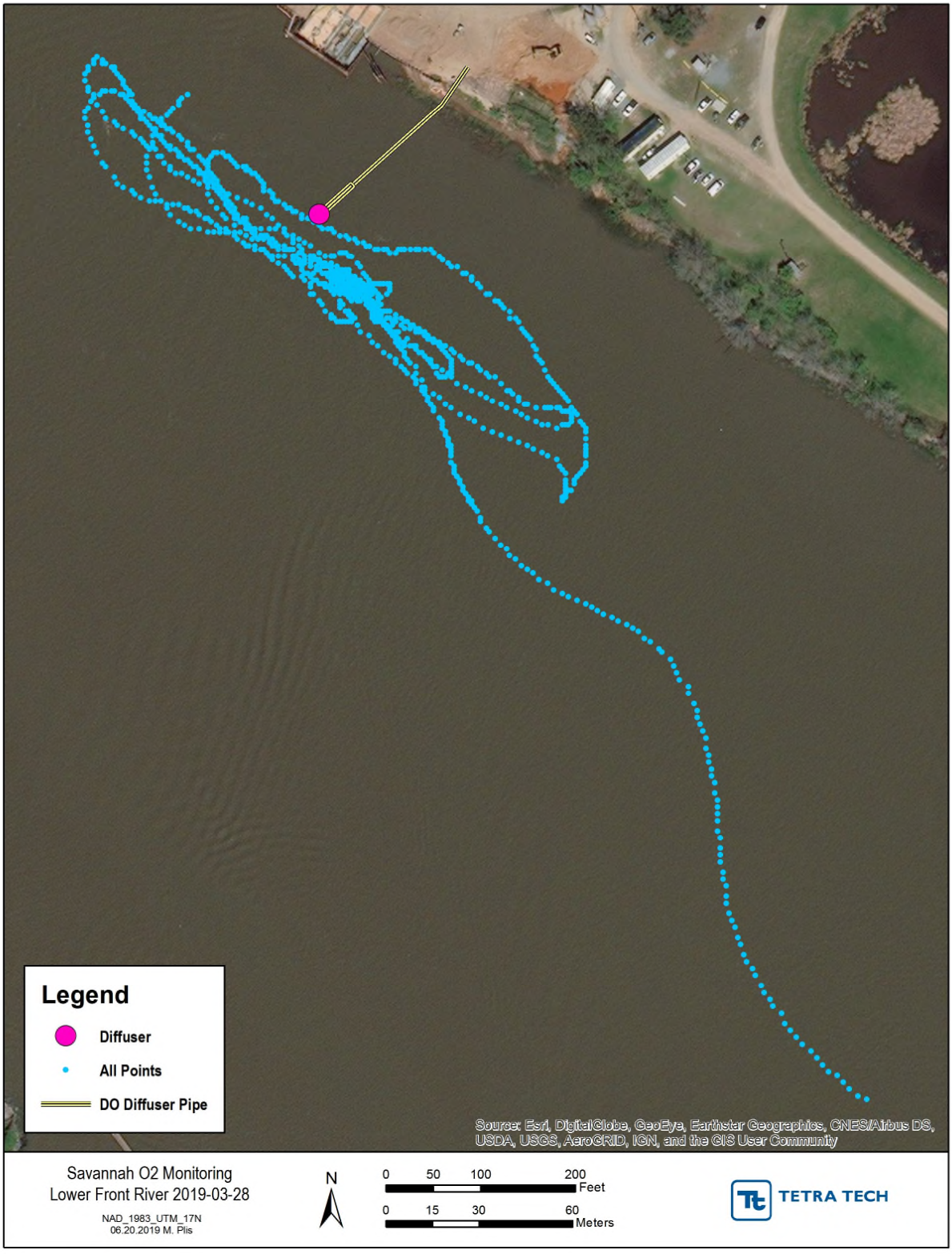


Figure C-308 Front River March 28, 2019 ebb tide traveling profile period 2 location map (LFR_032819_010)

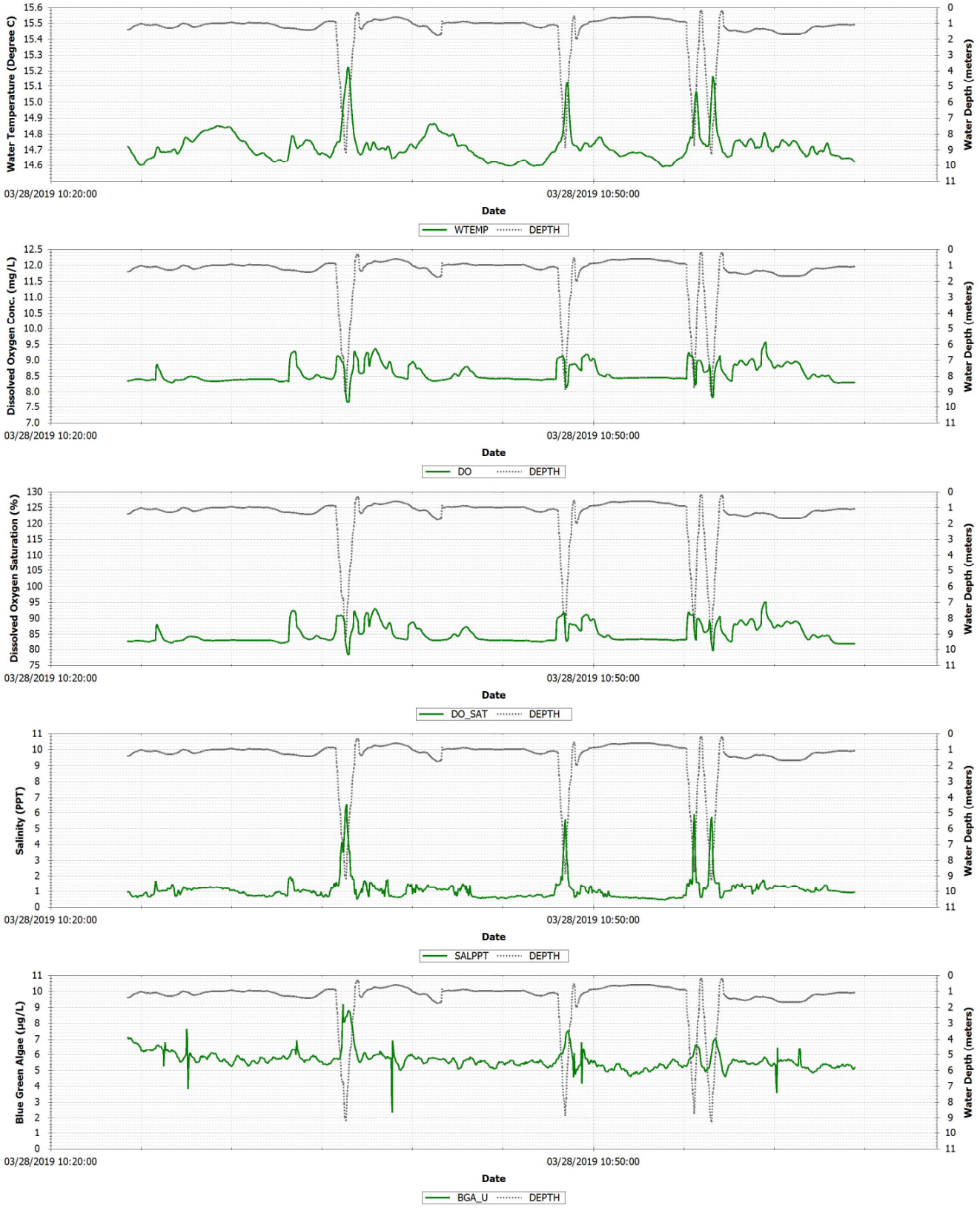


Figure C-309 Front River March 28, 2019 ebb tide traveling profile period 2 observations (LFR_032819_010)

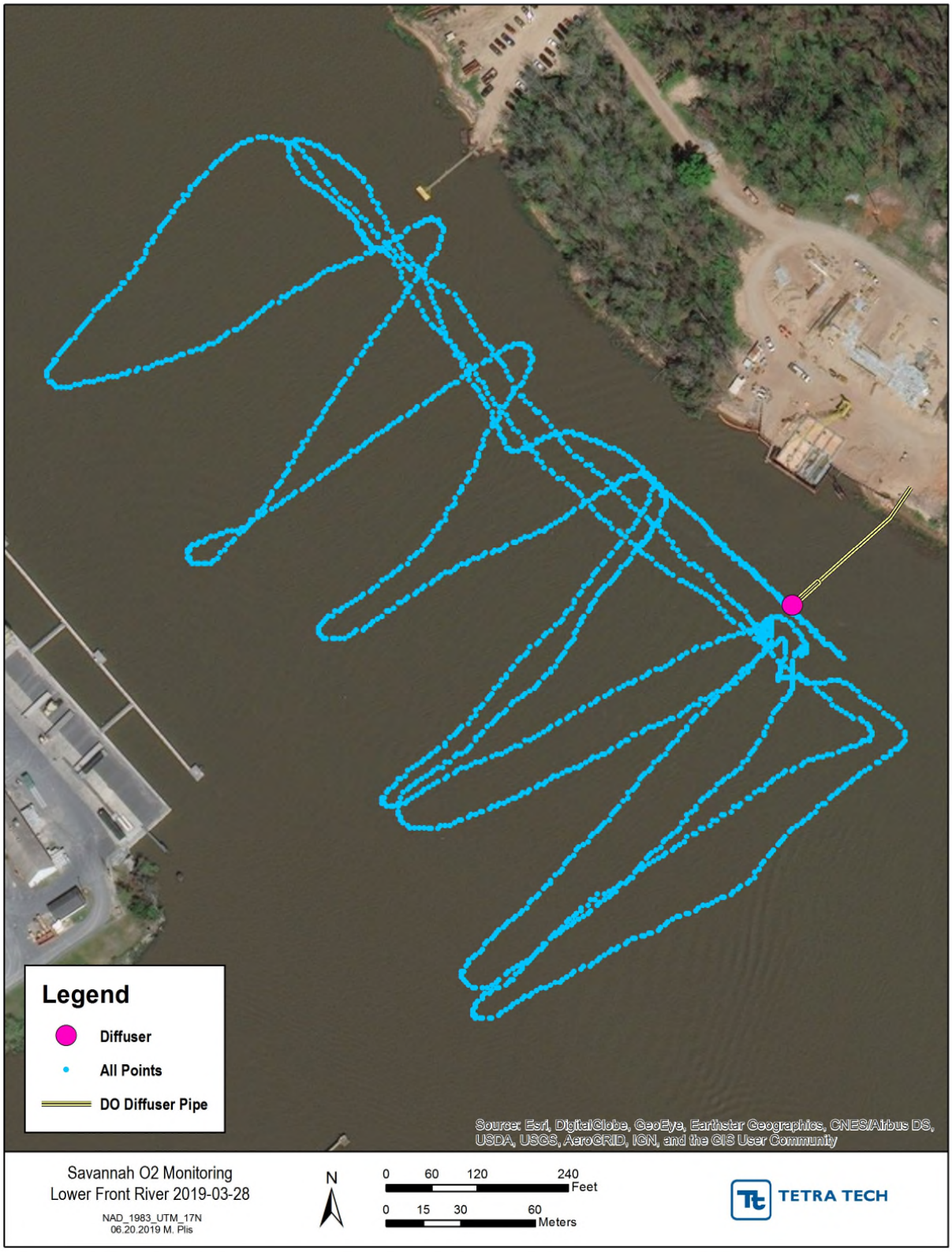


Figure C-310 Front River March 28, 2019 flood tide traveling profile period 1 location map (LFR_032819_002)

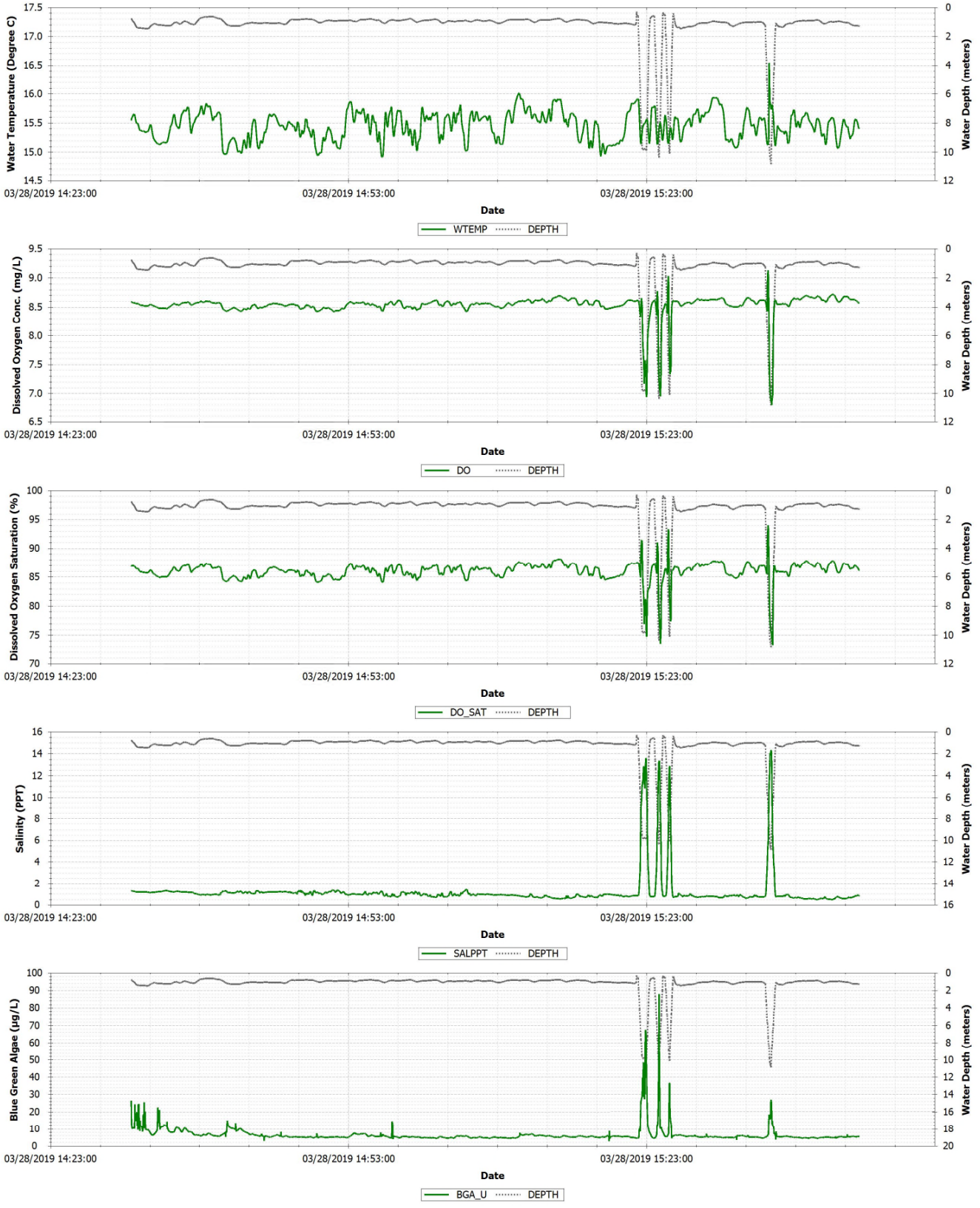


Figure C-311 Front River March 28, 2019 flood tide traveling profile period 1 observations (LFR_032819_002)

Figure C-312 Front River March 28, 2019 flood tide traveling profile period 2 location map (LFR_032819_001)

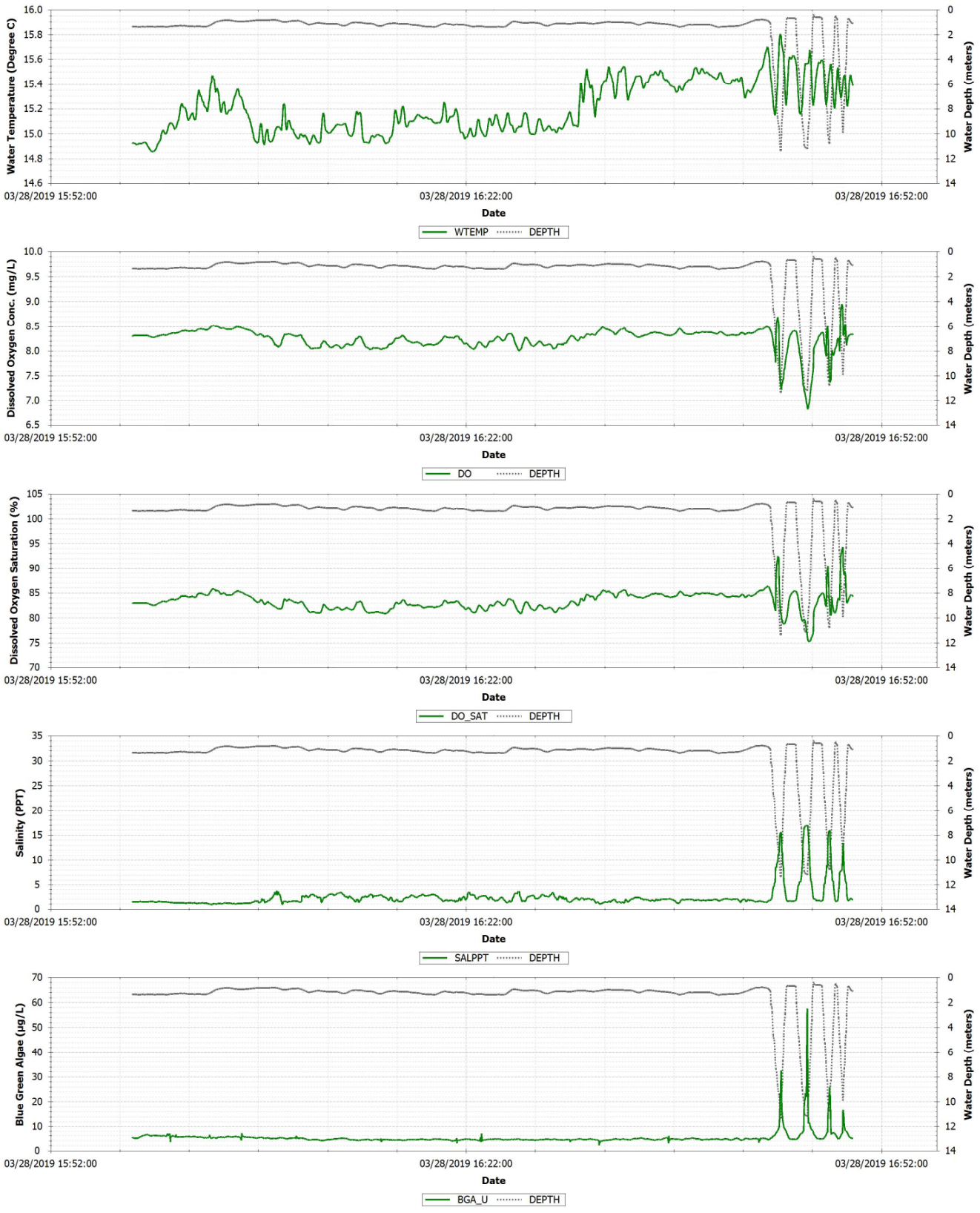


Figure C-313 Front River March 28, 2019 flood tide traveling profile period 2 observations (LFR_032819_001)

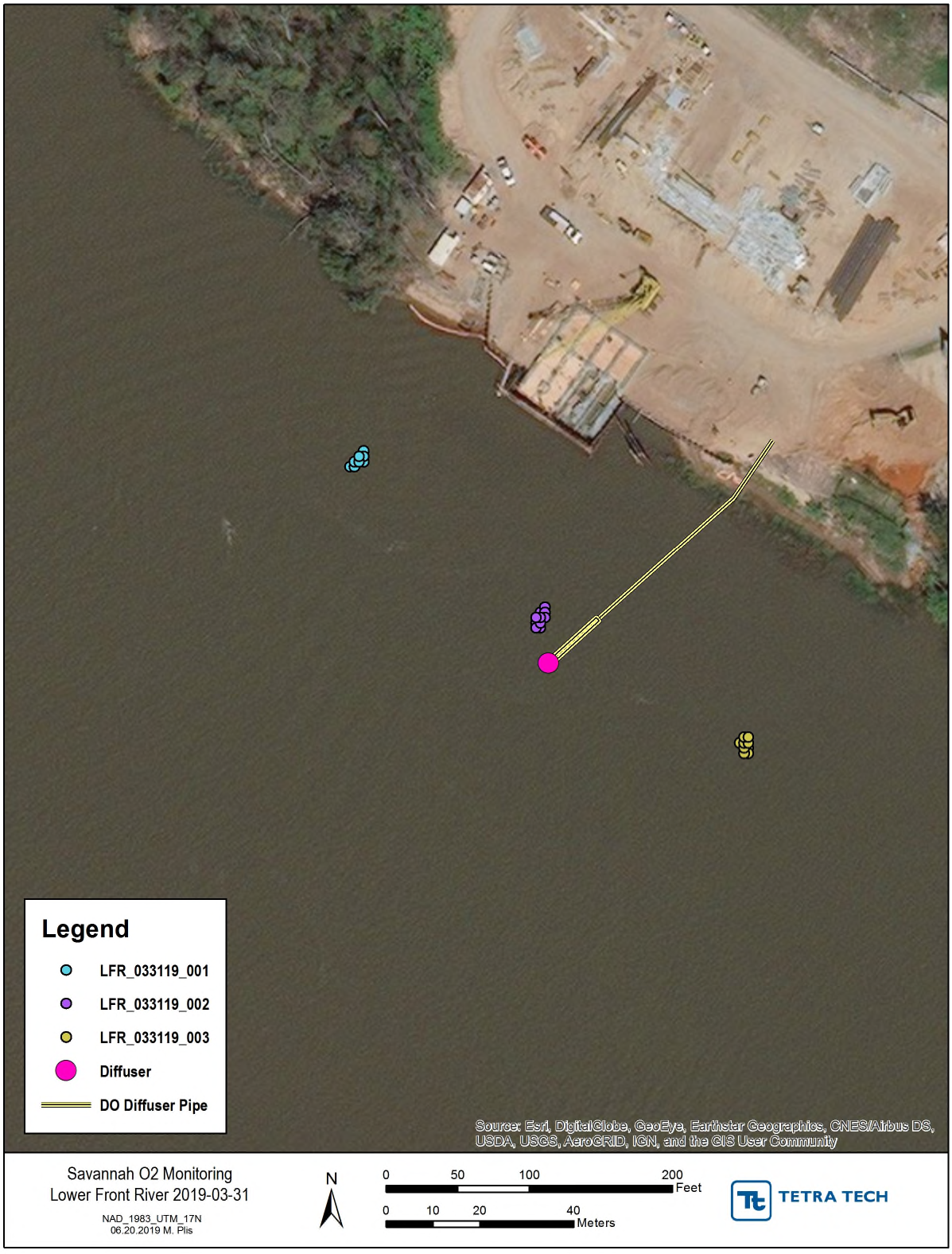


Figure C-314 Front River March 31, 2019 stationary profiles location map

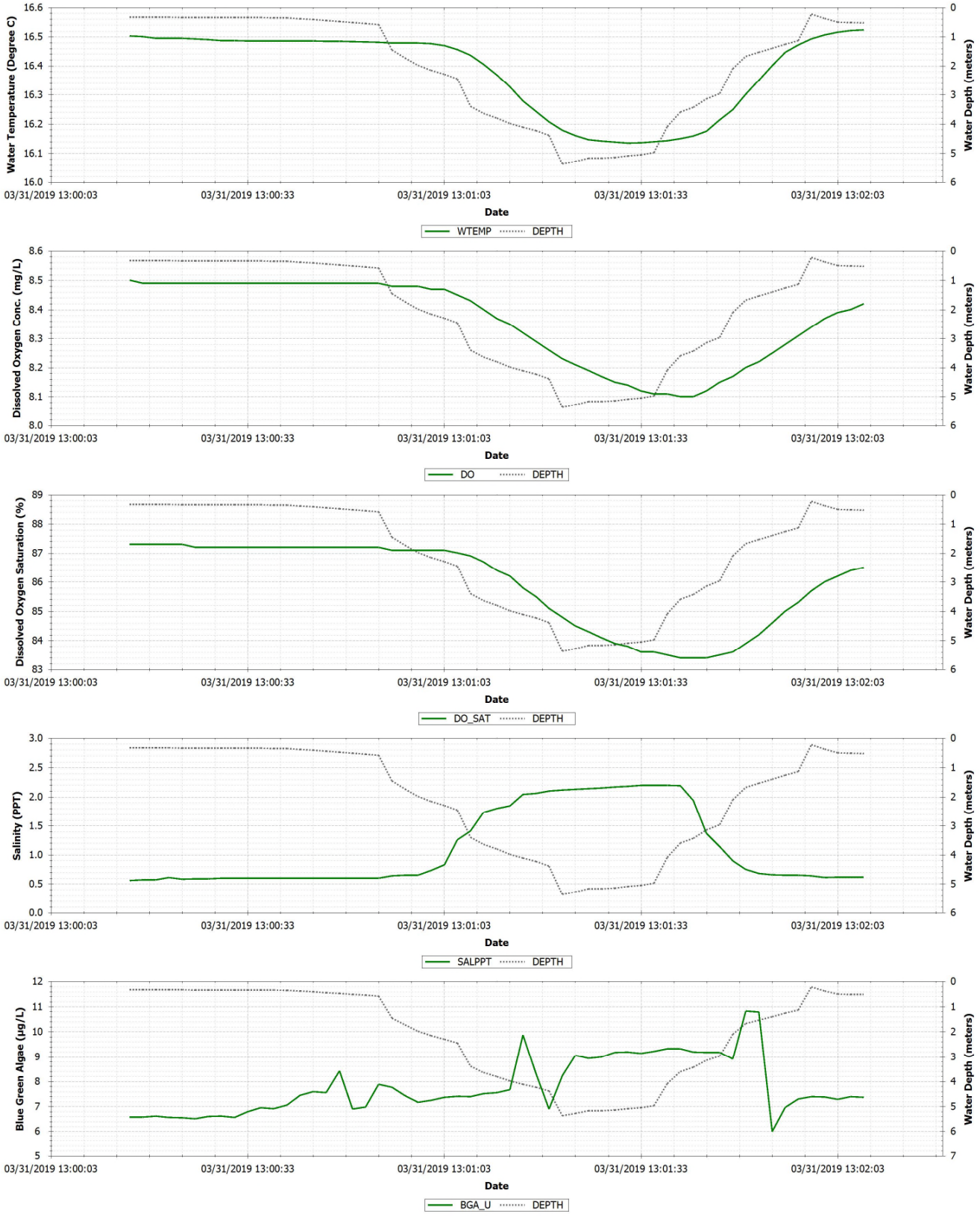


Figure C-315 Front River March 31, 2019 additional buoy ebb tide stationary profile observations (LFR_033119_001)

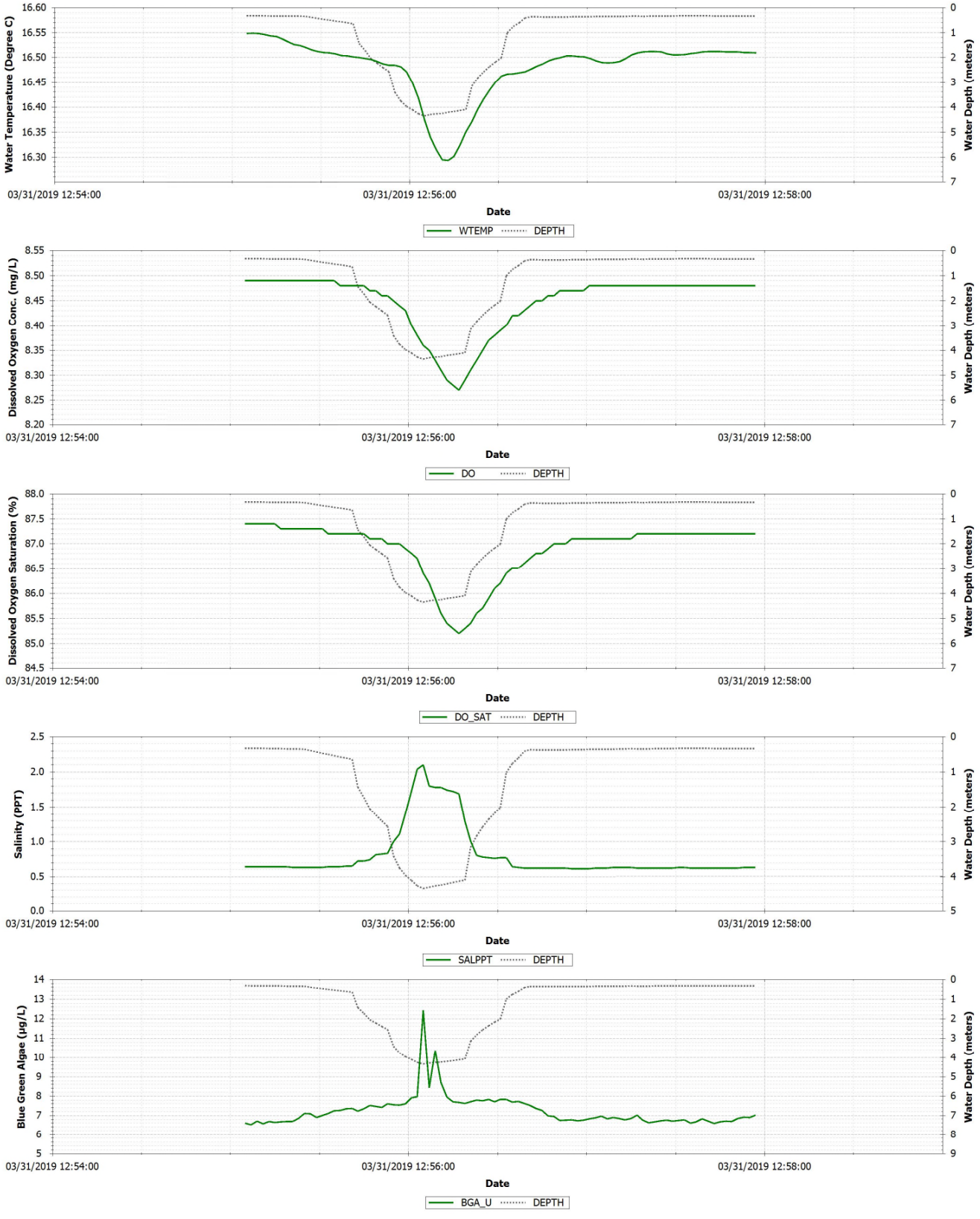


Figure C-316 Front River March 31, 2019 north buoy ebb tide stationary profile observations (LFR_033119_002)

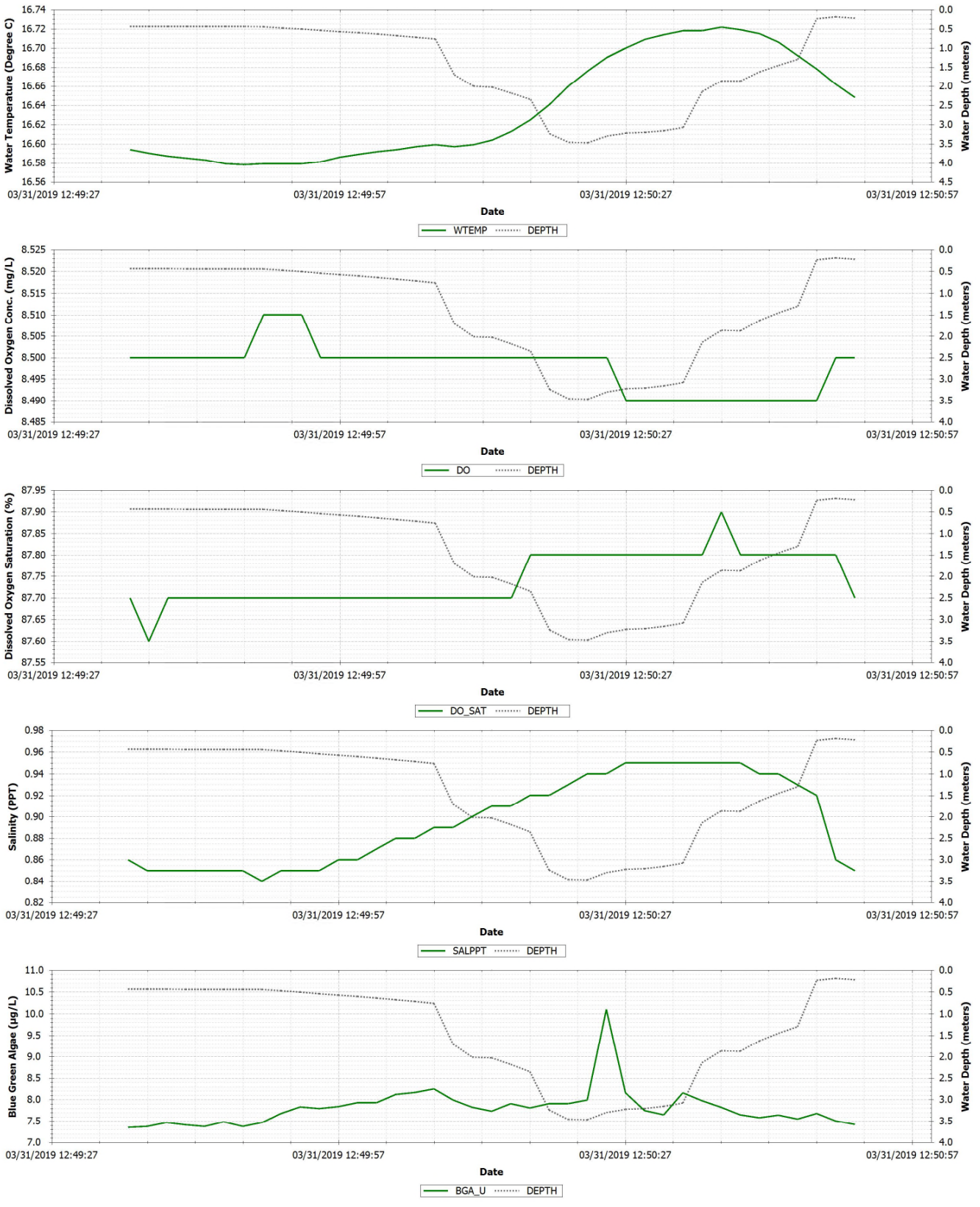


Figure C-317 Front River March 31, 2019 south buoy ebb tide stationary profile observations (LFR_033119_003)

Figure C-318 Front River March 31, 2019 ebb tide traveling profile period 1 location map (LFR_033119_005)

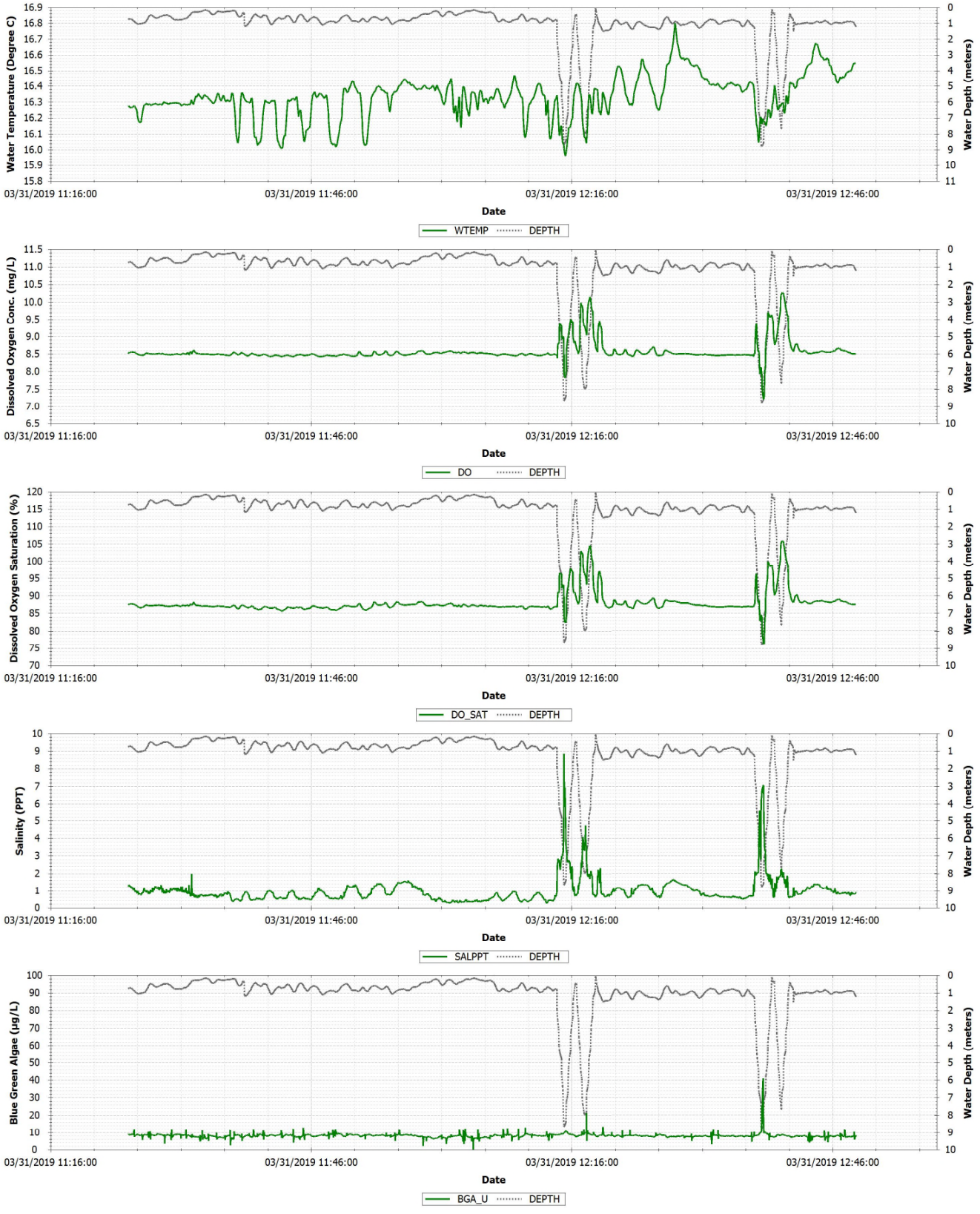


Figure C-319 Front River March 31, 2019 ebb tide traveling profile period 1 observations (LFR_033119_005)

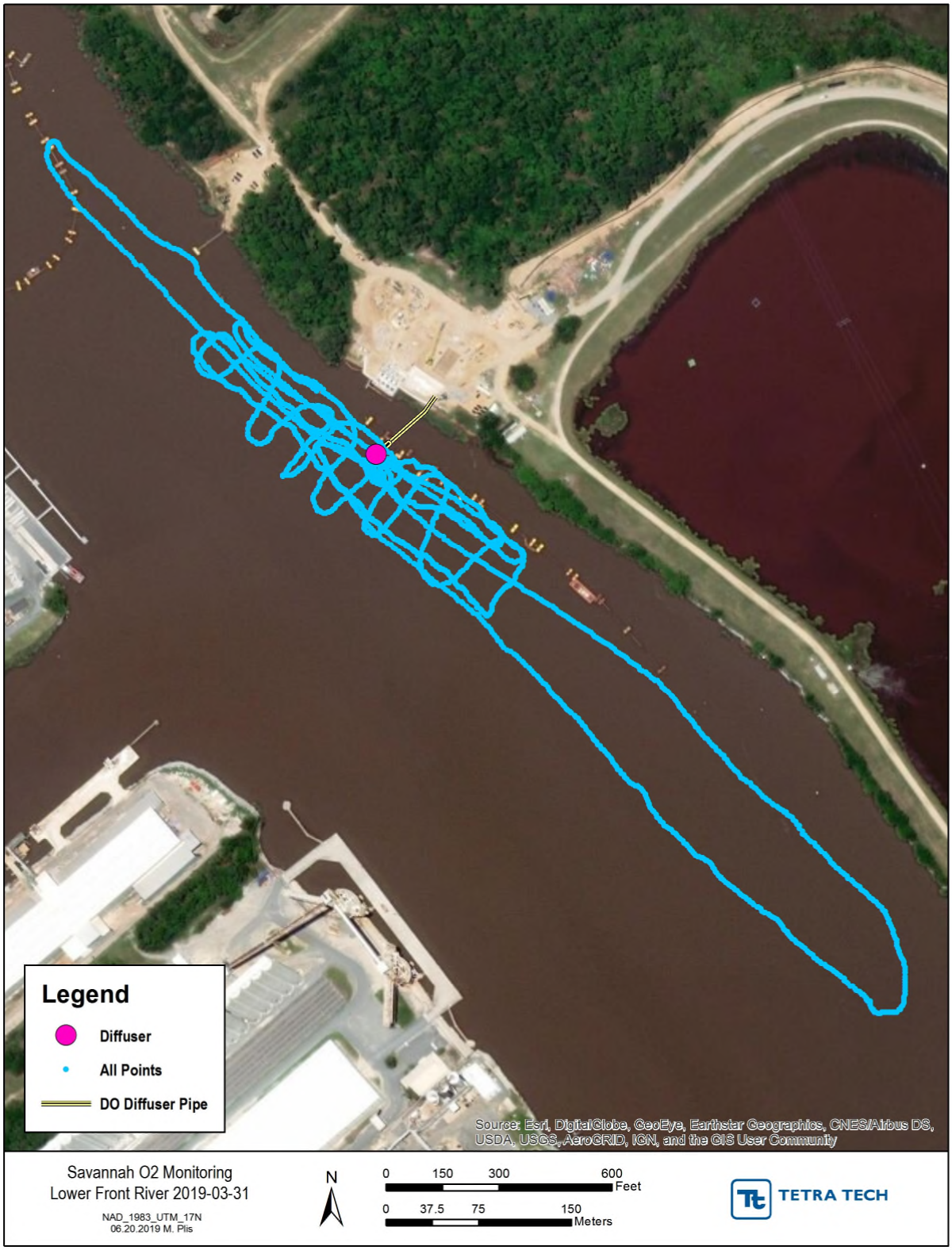


Figure C-320 Front River March 31, 2019 ebb tide traveling profile period 2 location map (LFR_033119_004)

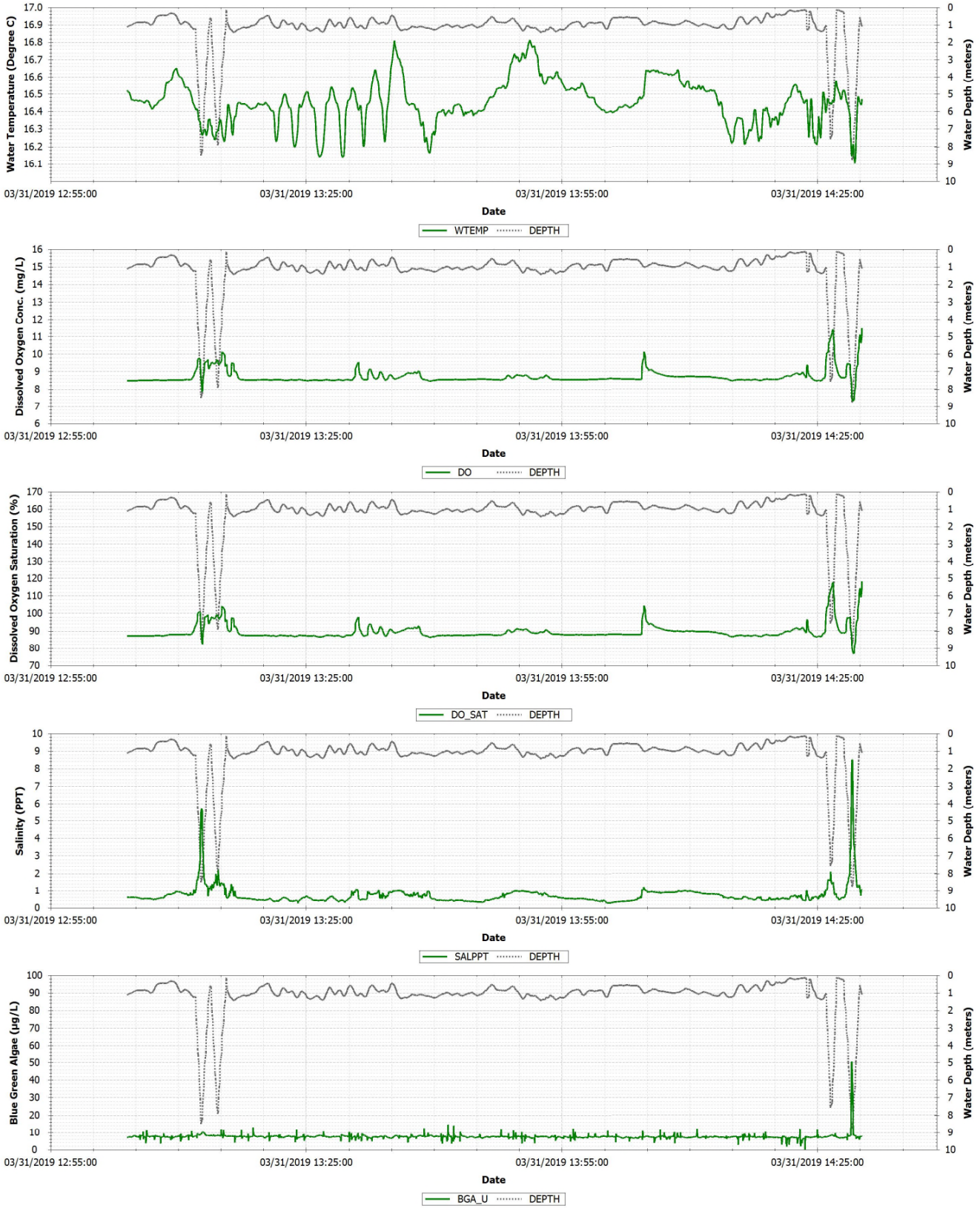


Figure C-321 Front River March 31, 2019 ebb tide traveling profile period 2 observations (LFR_033119_004)

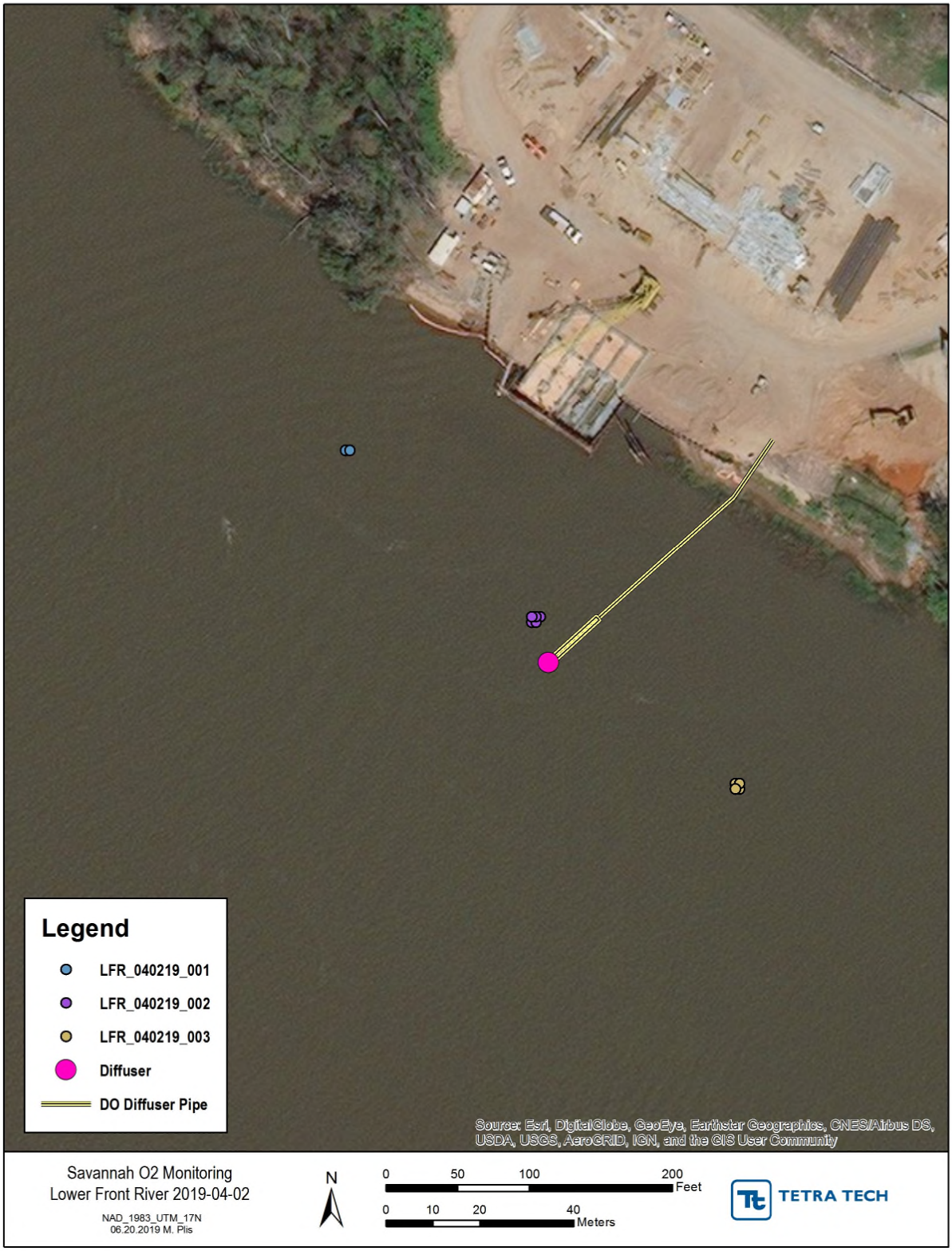


Figure C-322 Front River April 2, 2019 stationary profiles location map

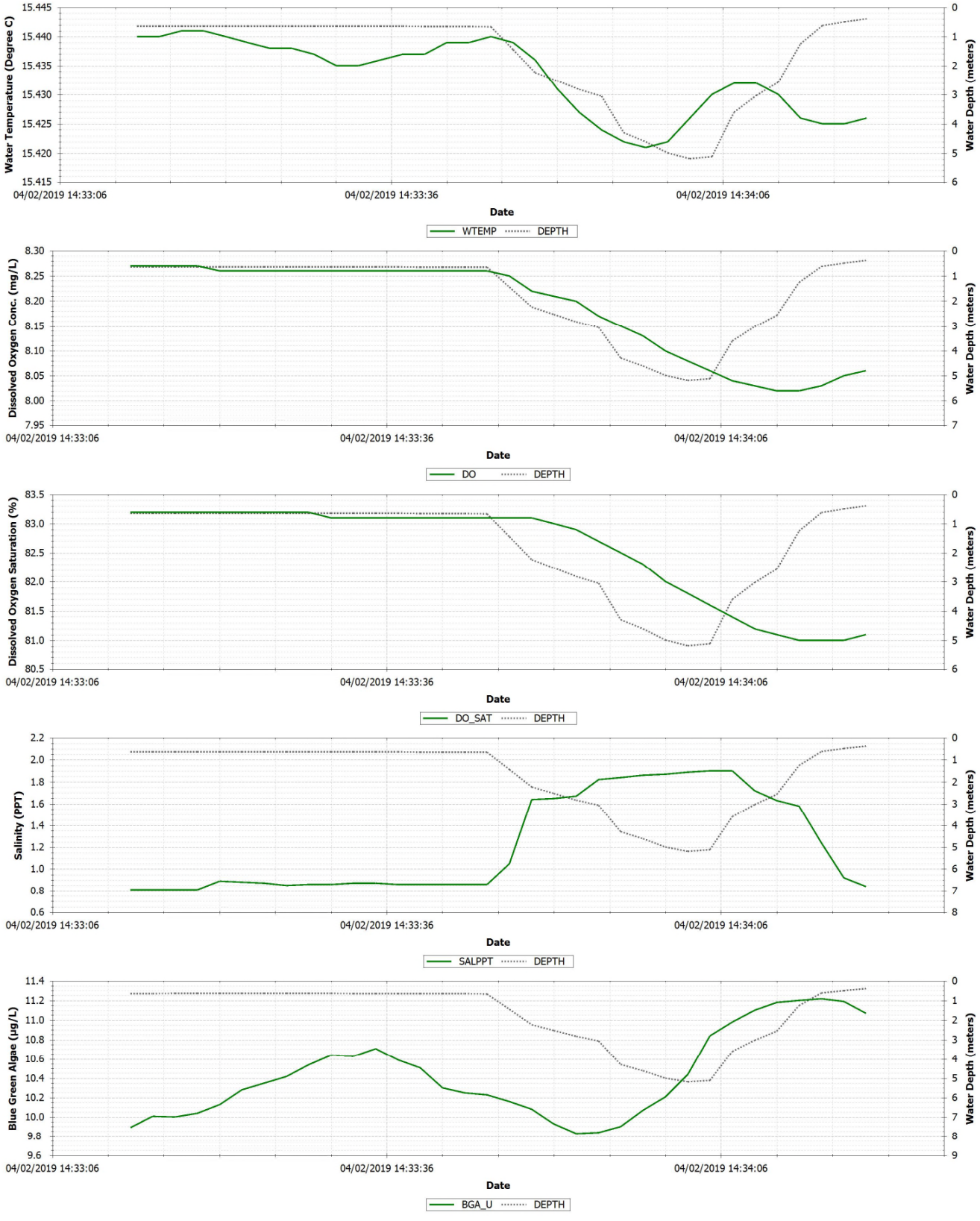


Figure C-323 Front River April 2, 2019 additional buoy ebb tide stationary profile observations (LFR_040219_001)

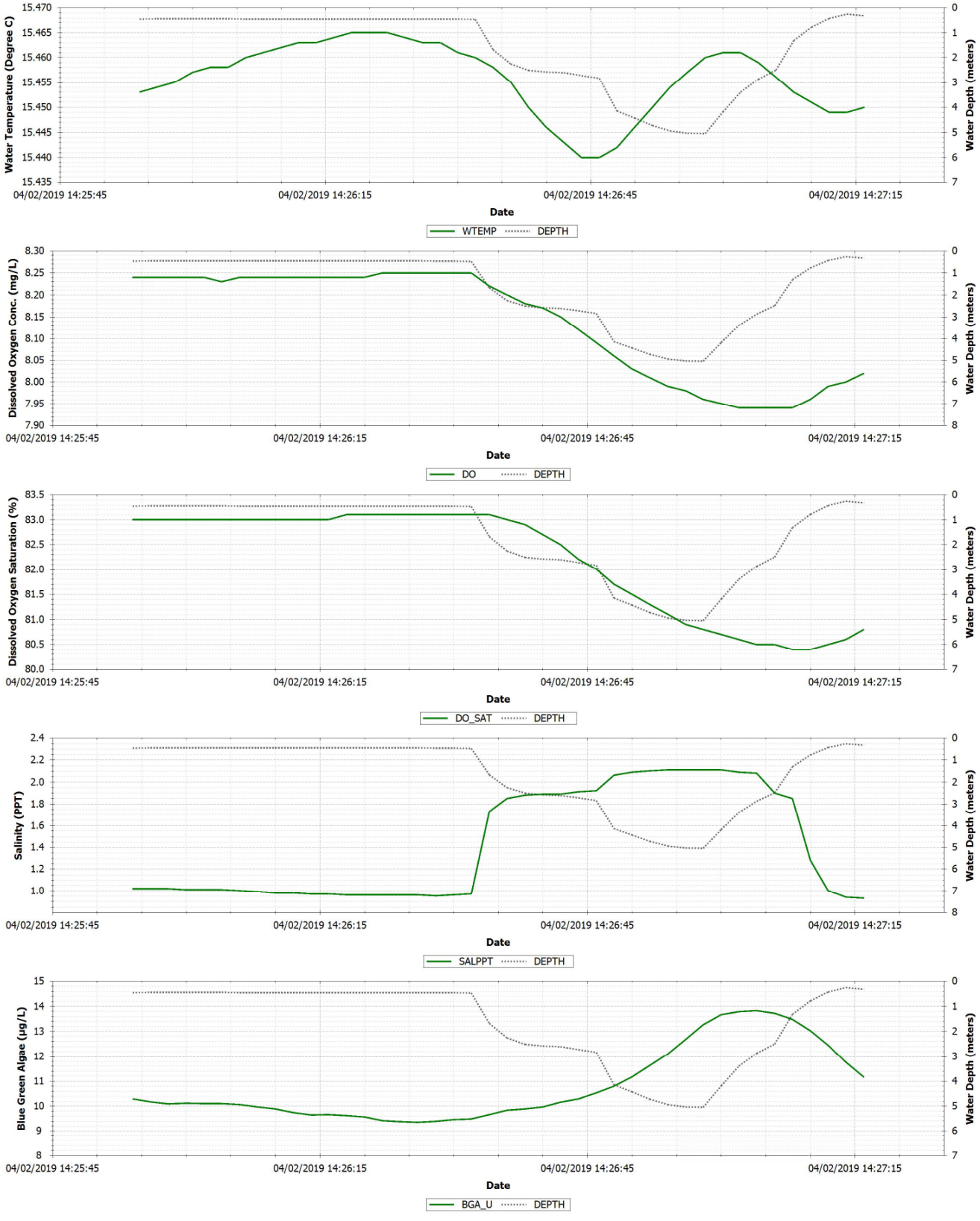


Figure C-324 Front River April 2, 2019 north buoy ebb tide stationary profile observations (LFR_040219_002)

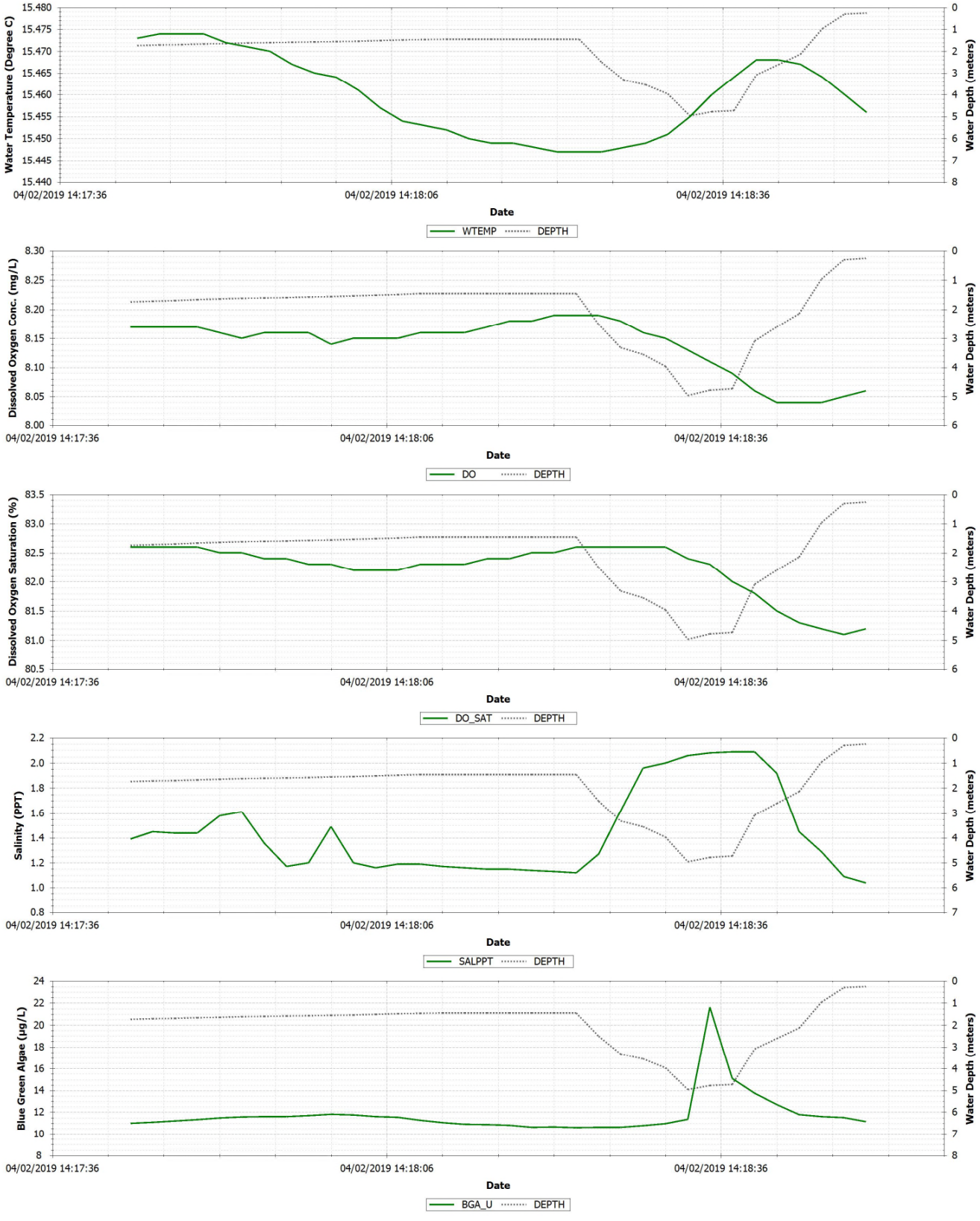


Figure C-325 Front River April 2, 2019 south buoy ebb tide stationary profile observations (LFR_040219_003)

Figure C-326 Front River April 2, 2019 ebb tide traveling profile period 1 location map (LFR_040219_005)

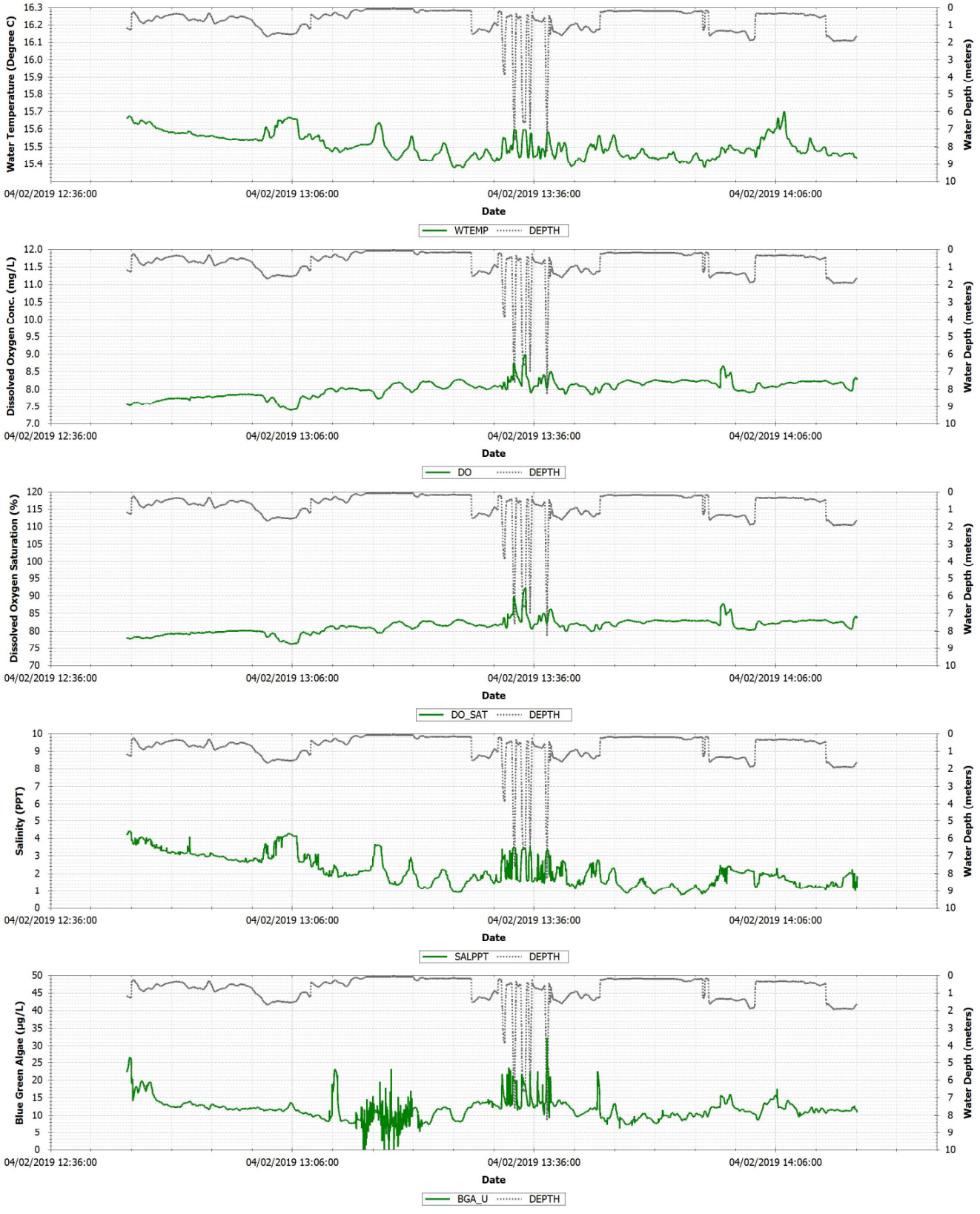


Figure C-327 Front River April 2, 2019 ebb tide traveling profile period 1 observations (LFR_040219_005)

Figure C-328 Front River April 2, 2019 ebb tide traveling profile period 2 location map (LFR_040219_004)

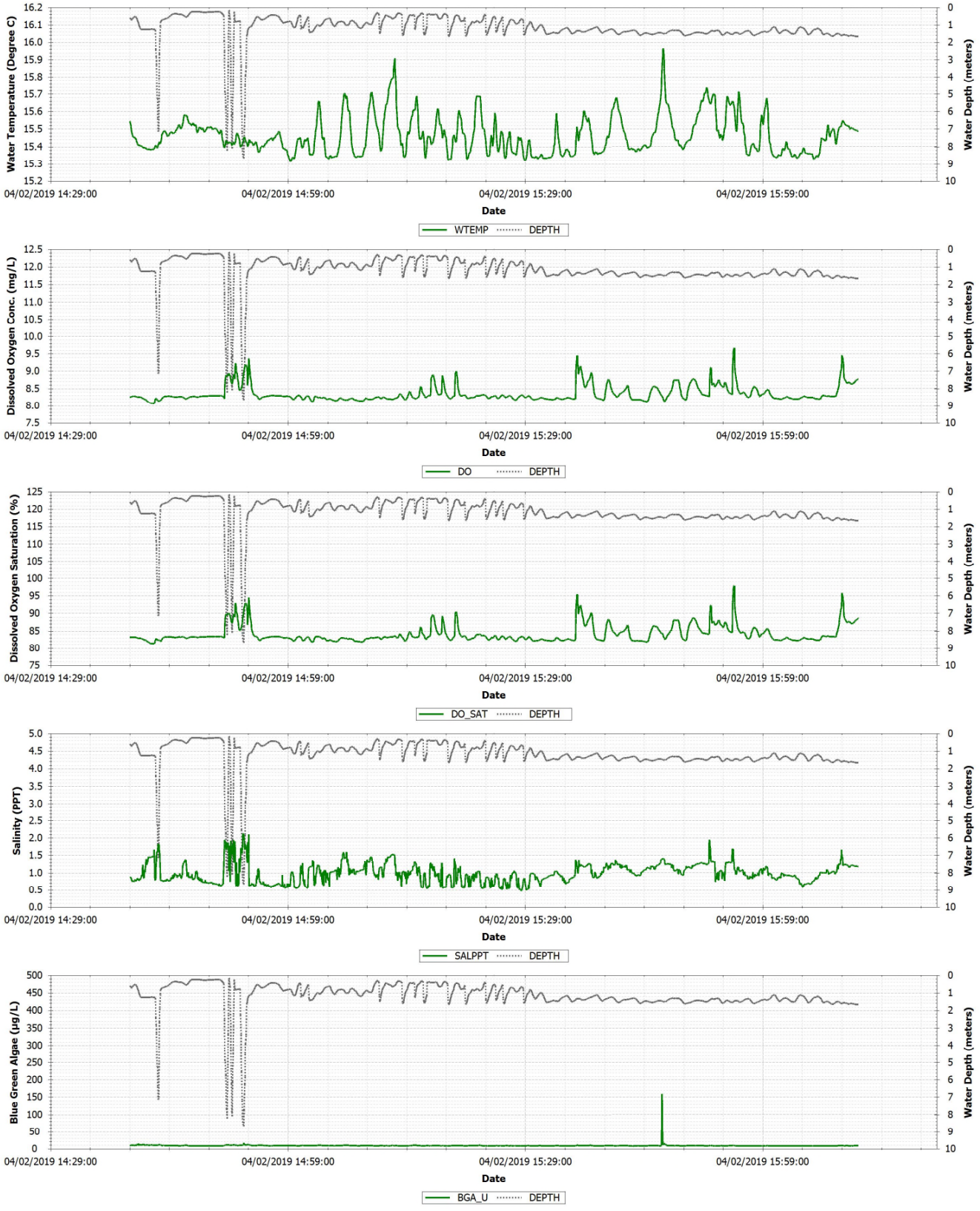


Figure C-329 Front River April 2, 2019 ebb tide traveling profile period 2 observations (LFR_040219_004)

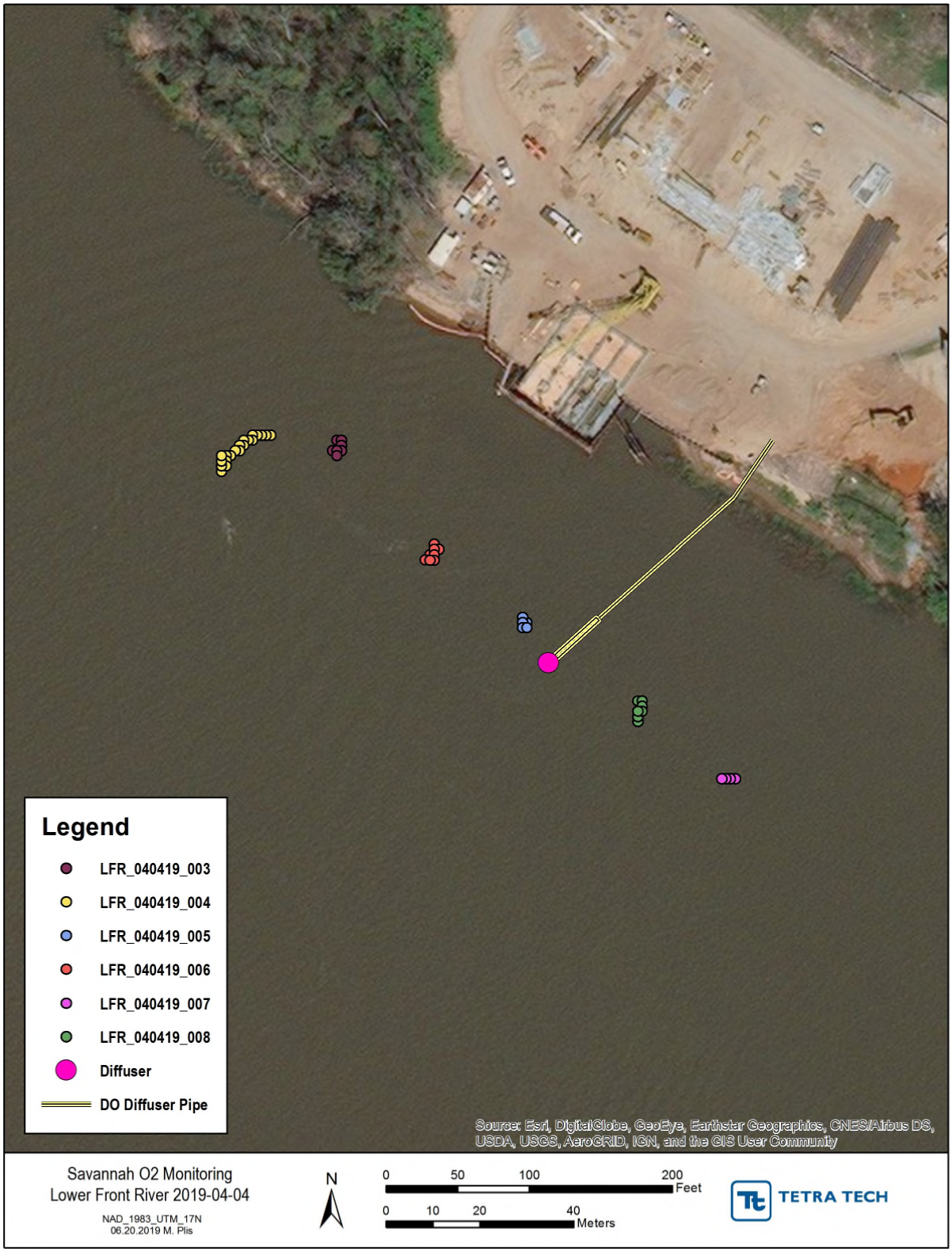


Figure C-330 Front River April 4, 2019 stationary profiles location map

Figure C-331 Front River April 4, 2019 additional buoy flood tide stationary profile observations (LFR_040419_003)

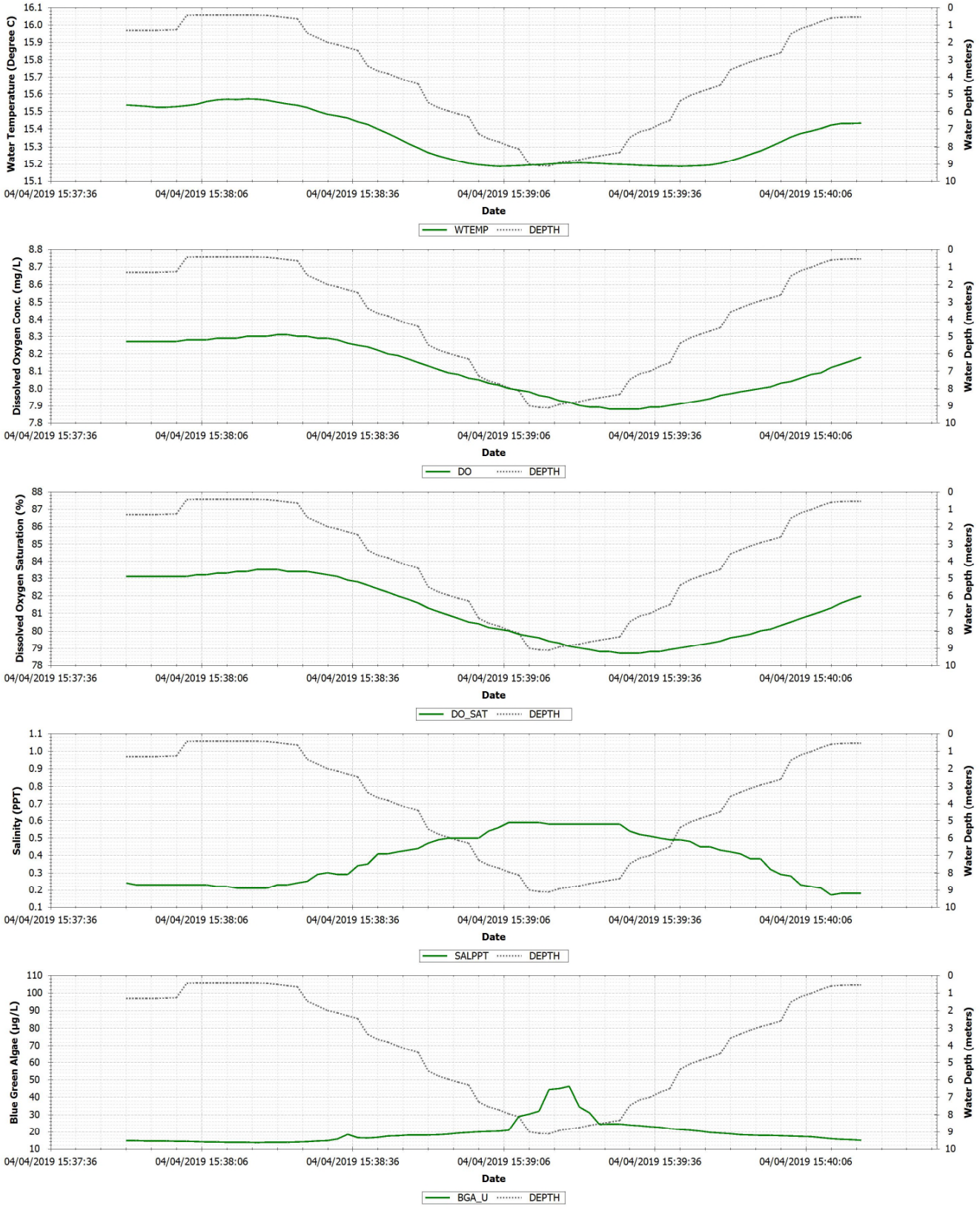


Figure C-332 Front River April 4, 2019 additional buoy ebb tide stationary profile observations (LFR_040419_004)

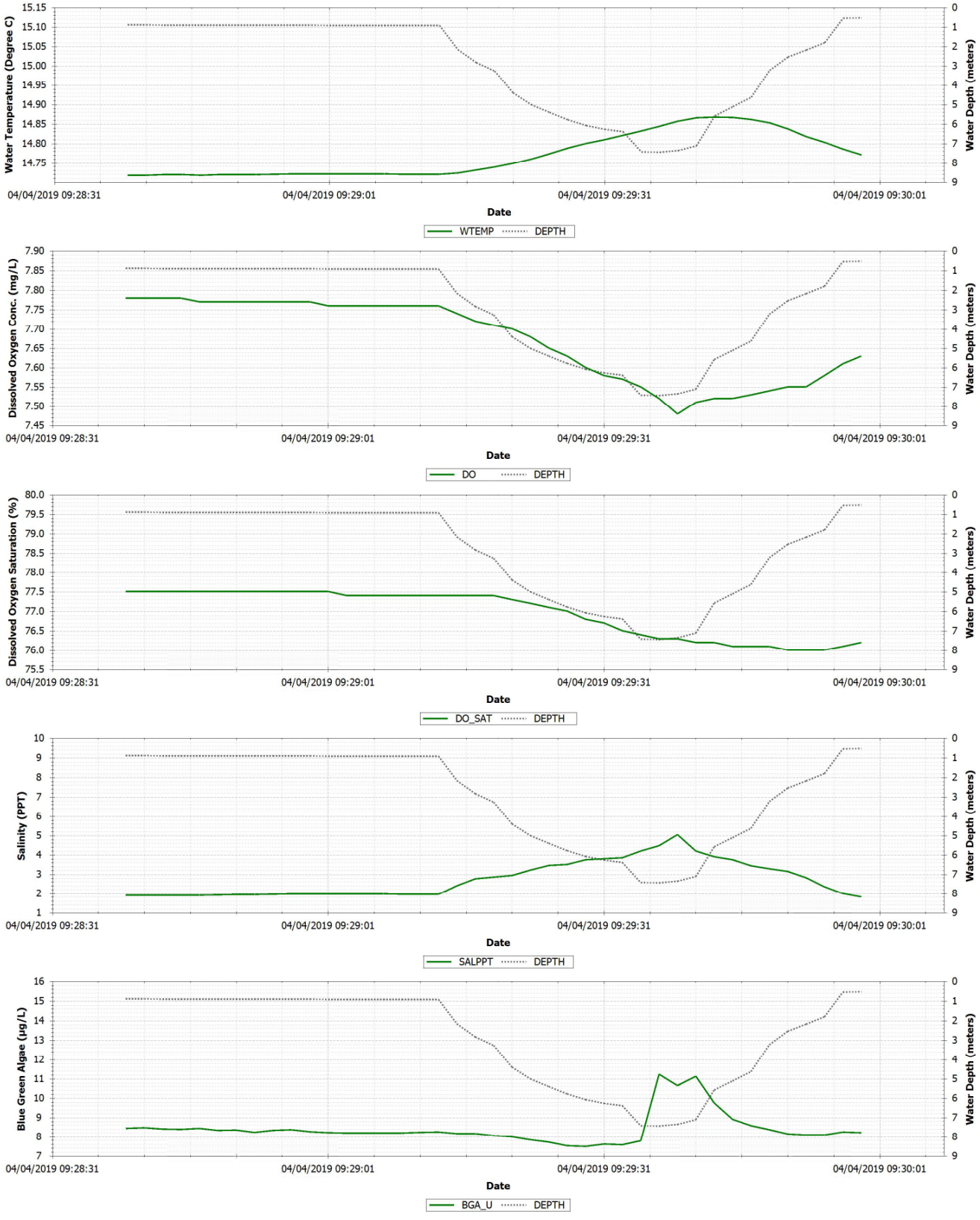


Figure C-333 Front River April 4, 2019 north buoy flood tide stationary profile observations (LFR_040419_005)

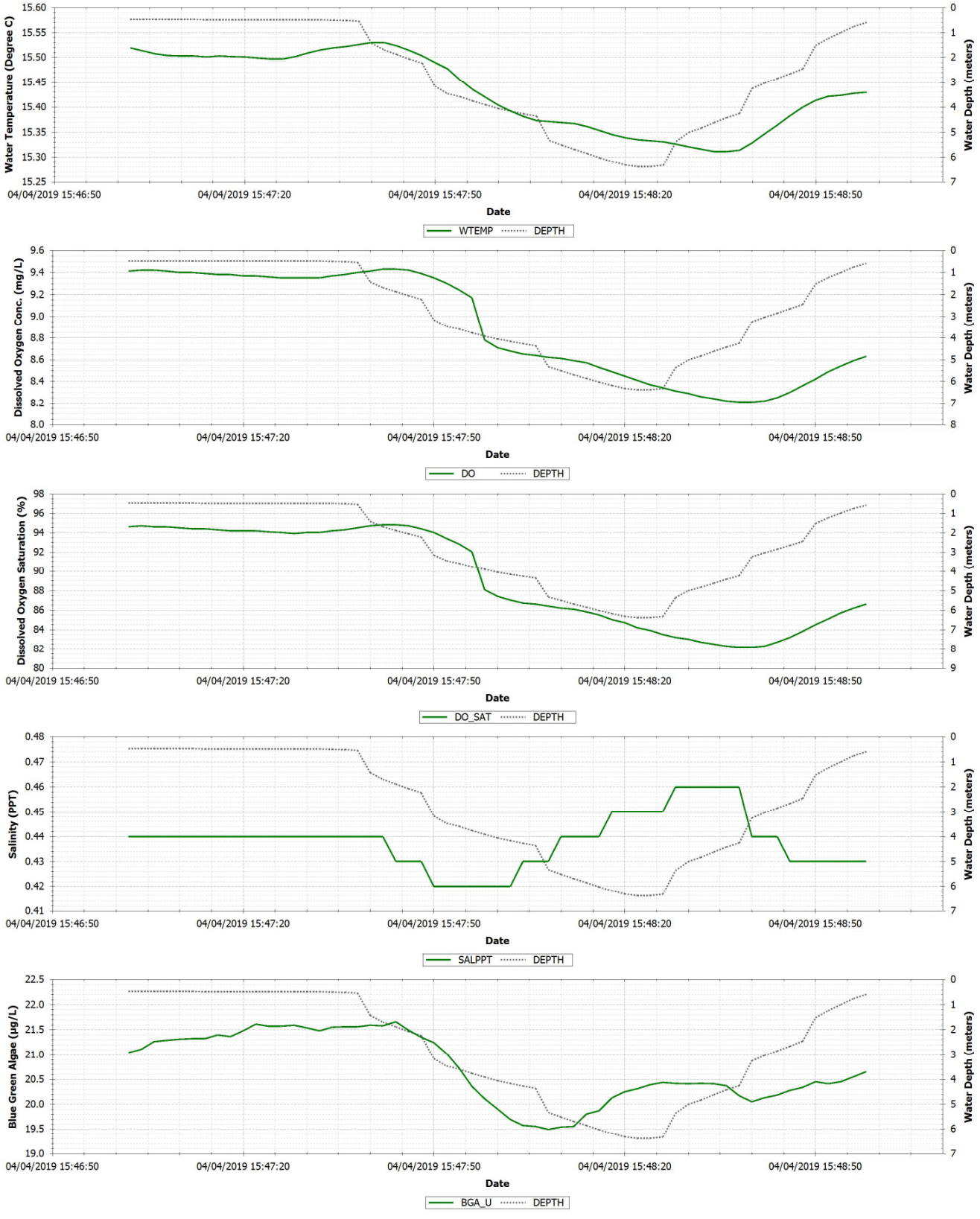


Figure C-334 Front River April 4, 2019 north buoy ebb tide stationary profile observations (LFR_040419_006)

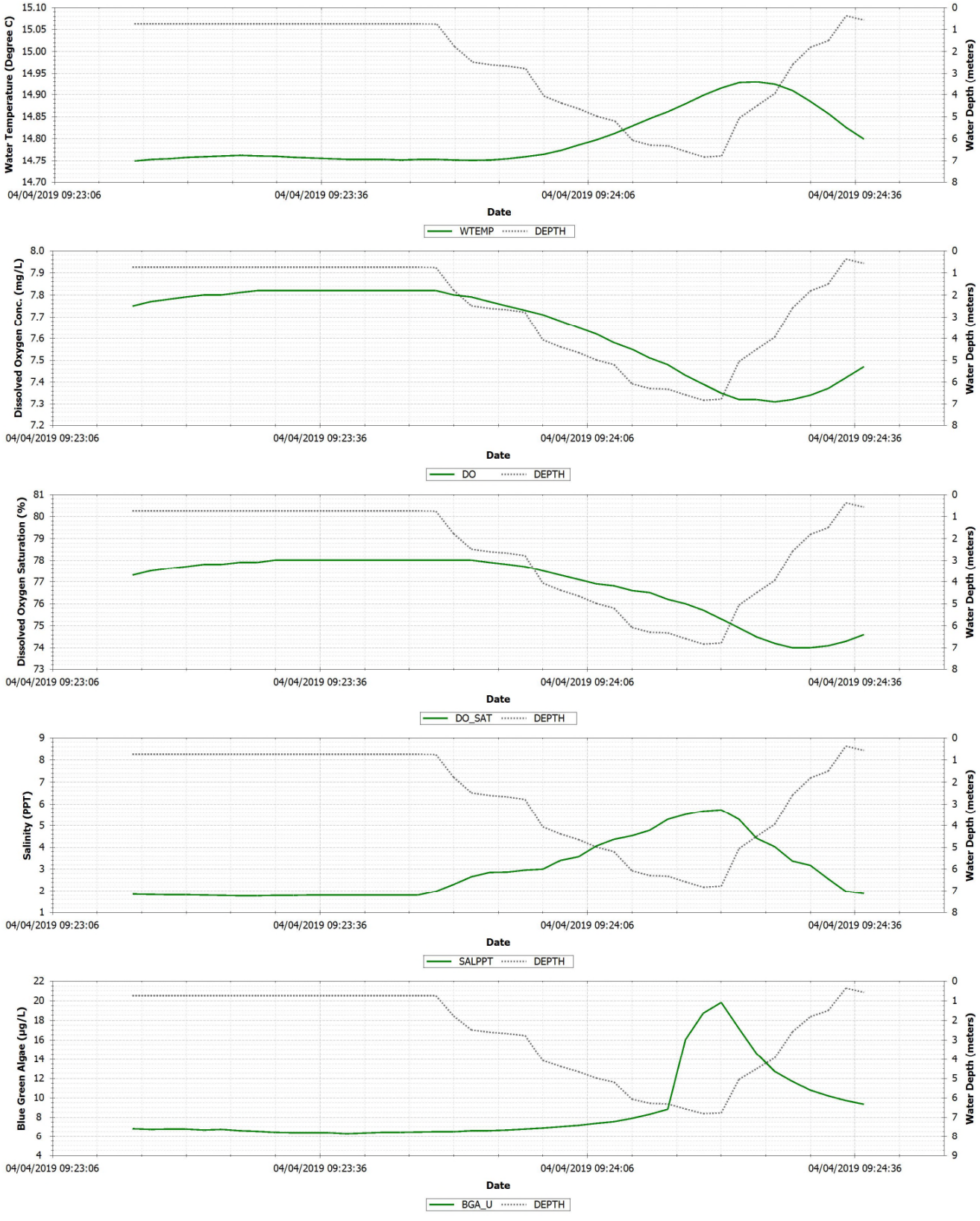


Figure C-335 Front River April 4, 2019 south buoy flood tide stationary profile observations (LFR_040419_007)

Figure C-336 Front River April 4, 2019 south buoy ebb tide stationary profile observations (LFR_040419_008)

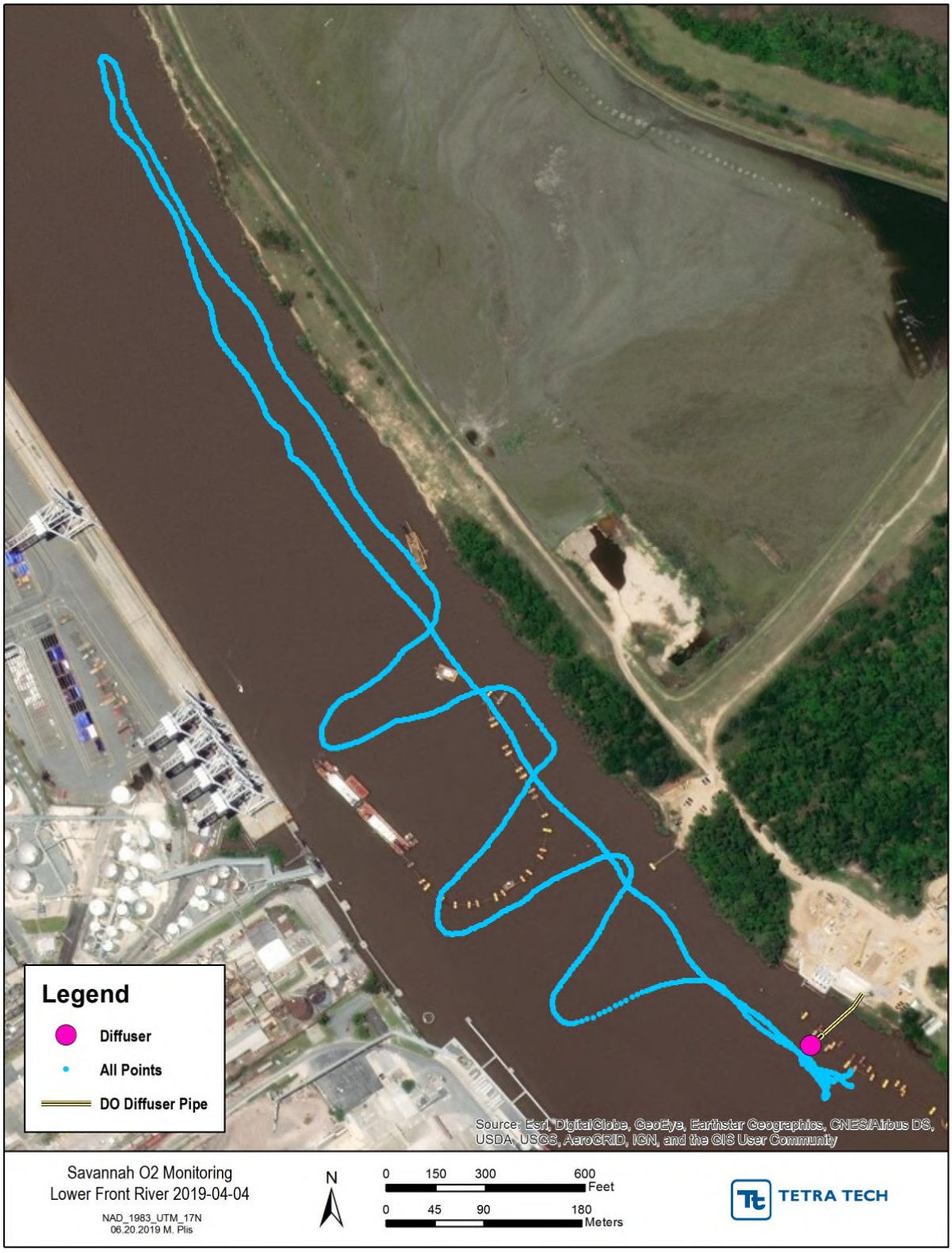


Figure C-337 Front River April 4, 2019 flood tide traveling profile period 1 location map (LFR_040419_002)

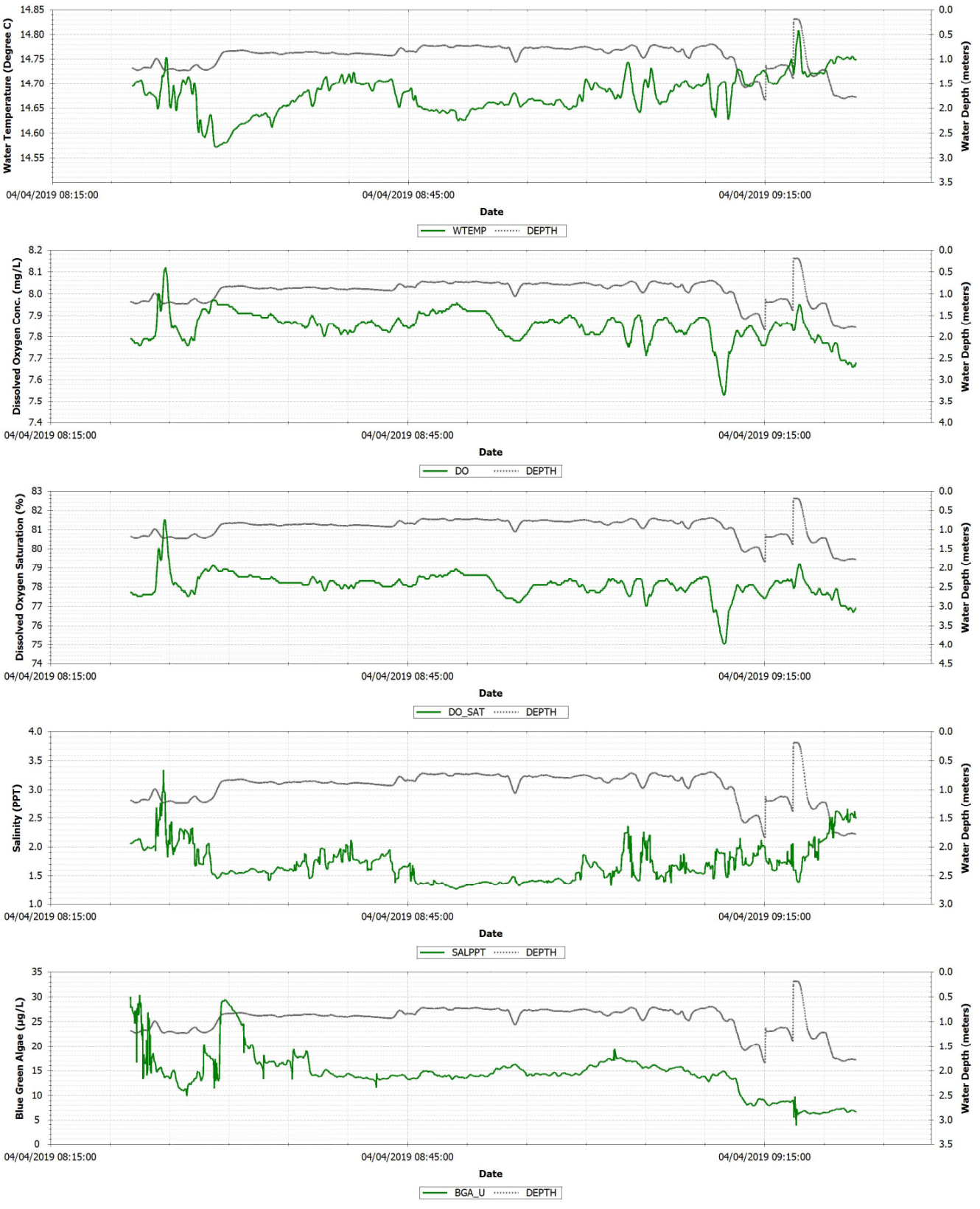


Figure C-338 Front River April 4, 2019 flood tide traveling profile period 1 observations (LFR_040419_002)

Figure C-339 Front River April 4, 2019 flood tide traveling profile period 2 location map (LFR_040419_001)

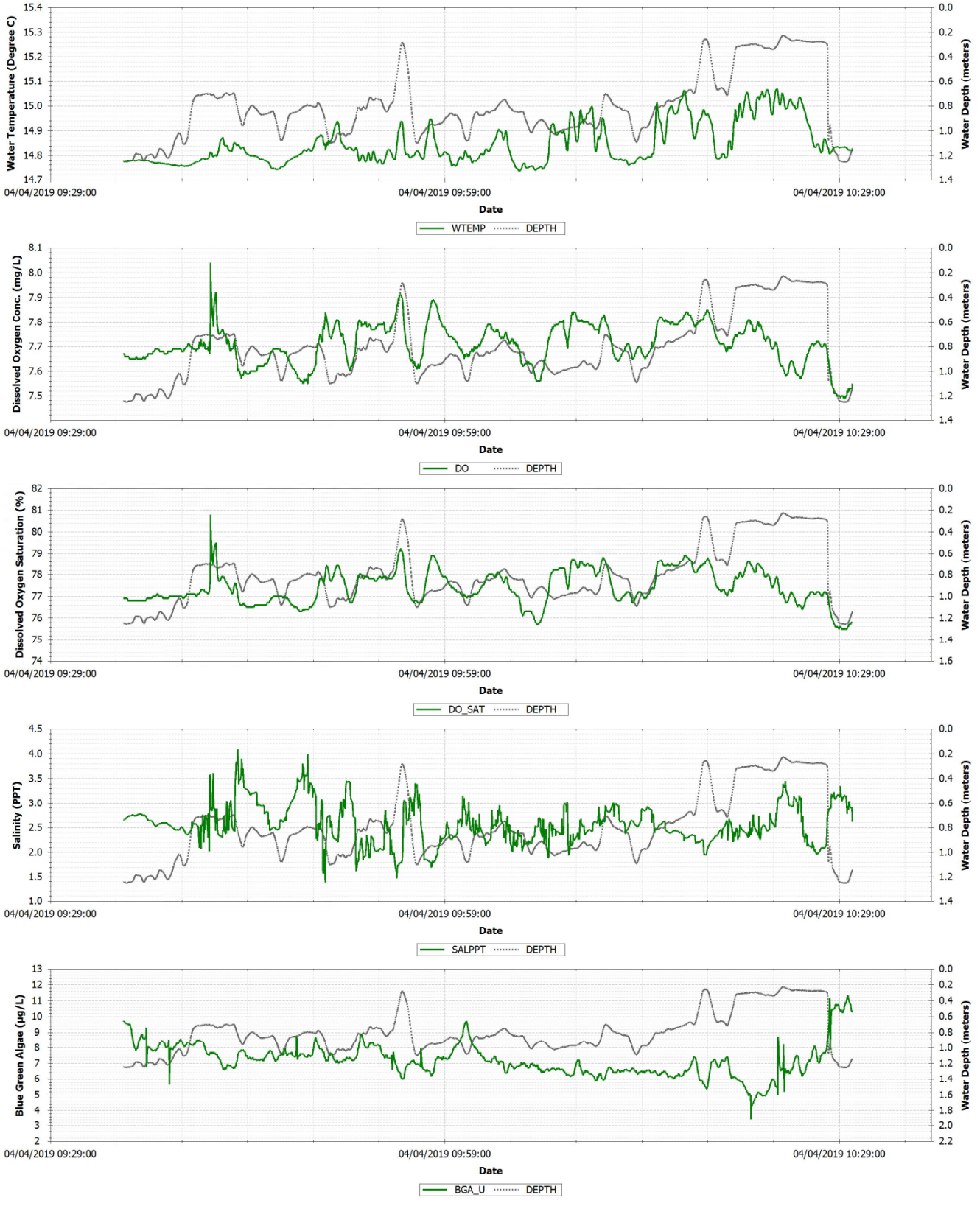


Figure C-340 Front River April 4, 2019 flood tide traveling profile period 2 observations (LFR_040419_001)

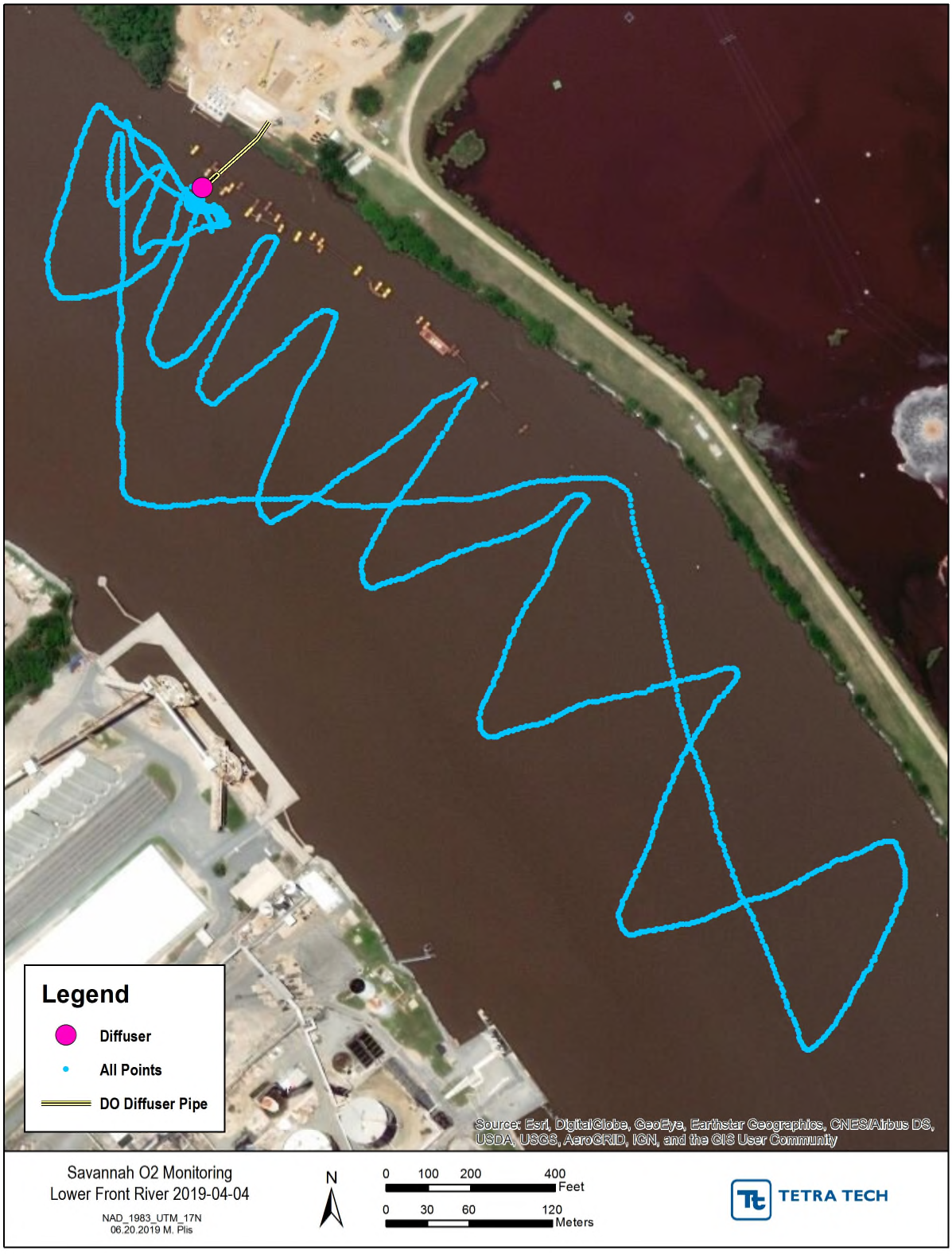


Figure C-341 Front River April 4, 2019 ebb tide traveling profile period 1 location map (LFR_040419_010)

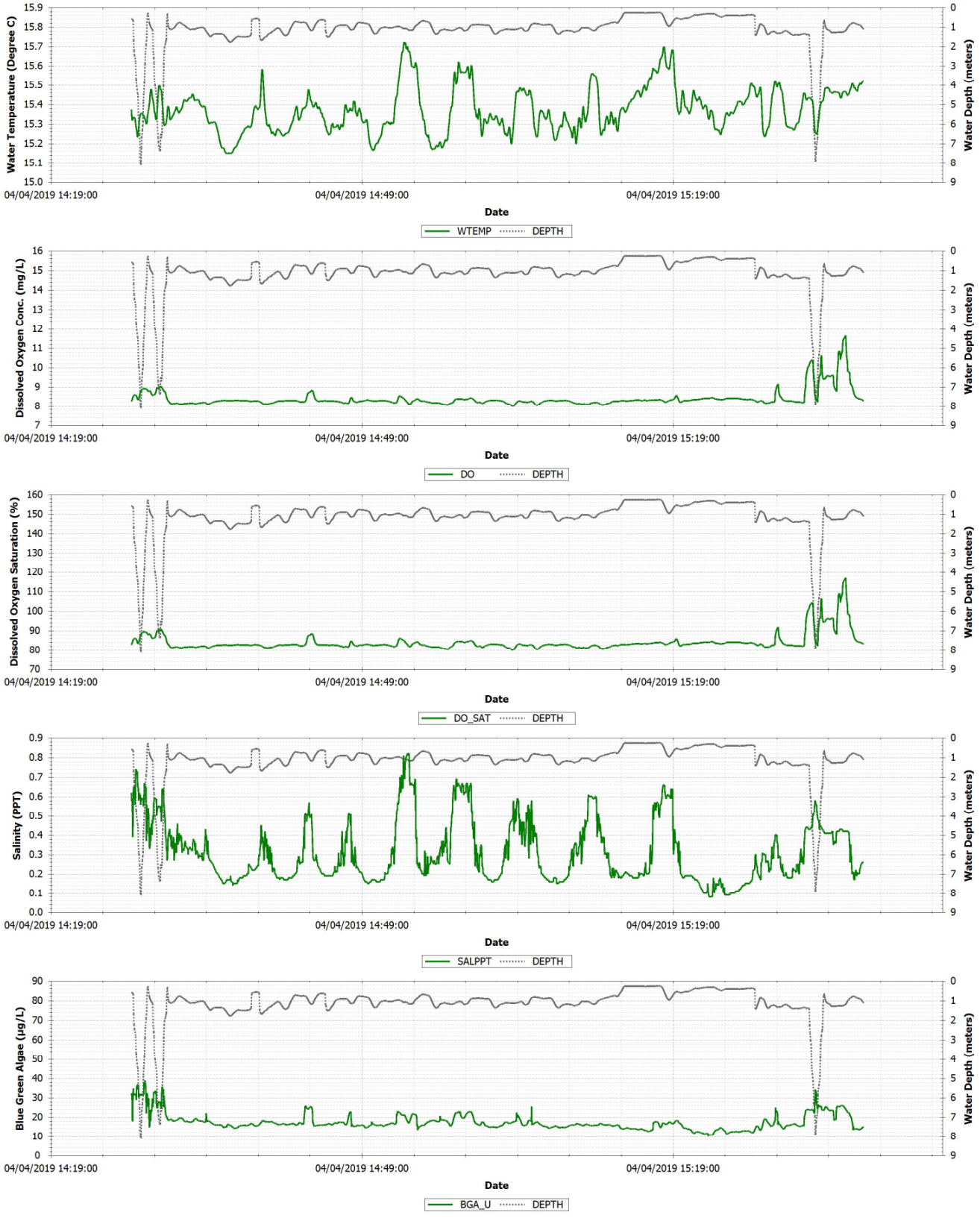


Figure C-342 Front River April 4, 2019 ebb tide traveling profile period 1 observations (LFR_040419_010)

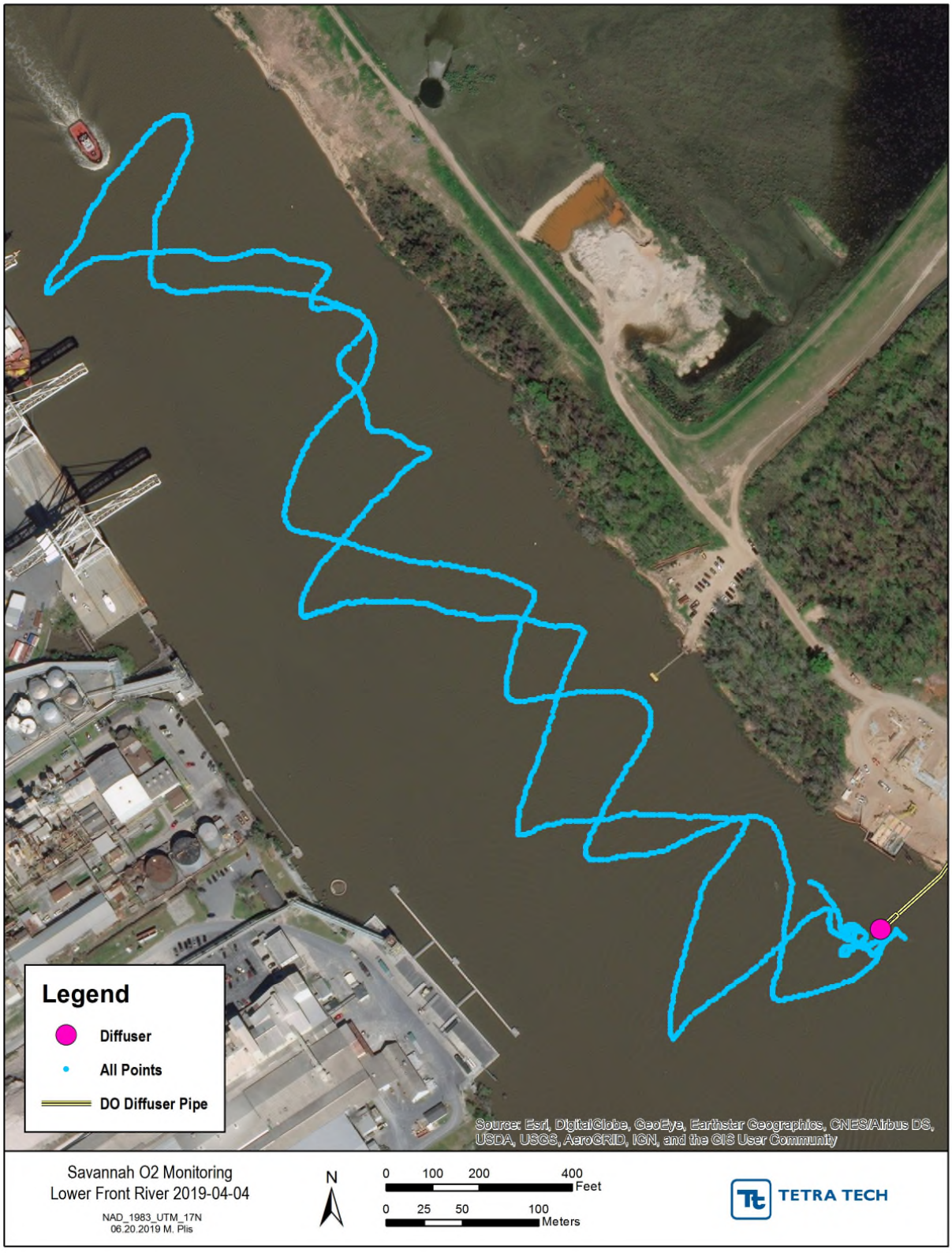


Figure C-343 Front River April 4, 2019 ebb tide traveling profile period 2 location map (LFR_040419_009)

Figure C-344 Front River April 4, 2019 ebb tide traveling profile period 2 observations (LFR_040419_009)

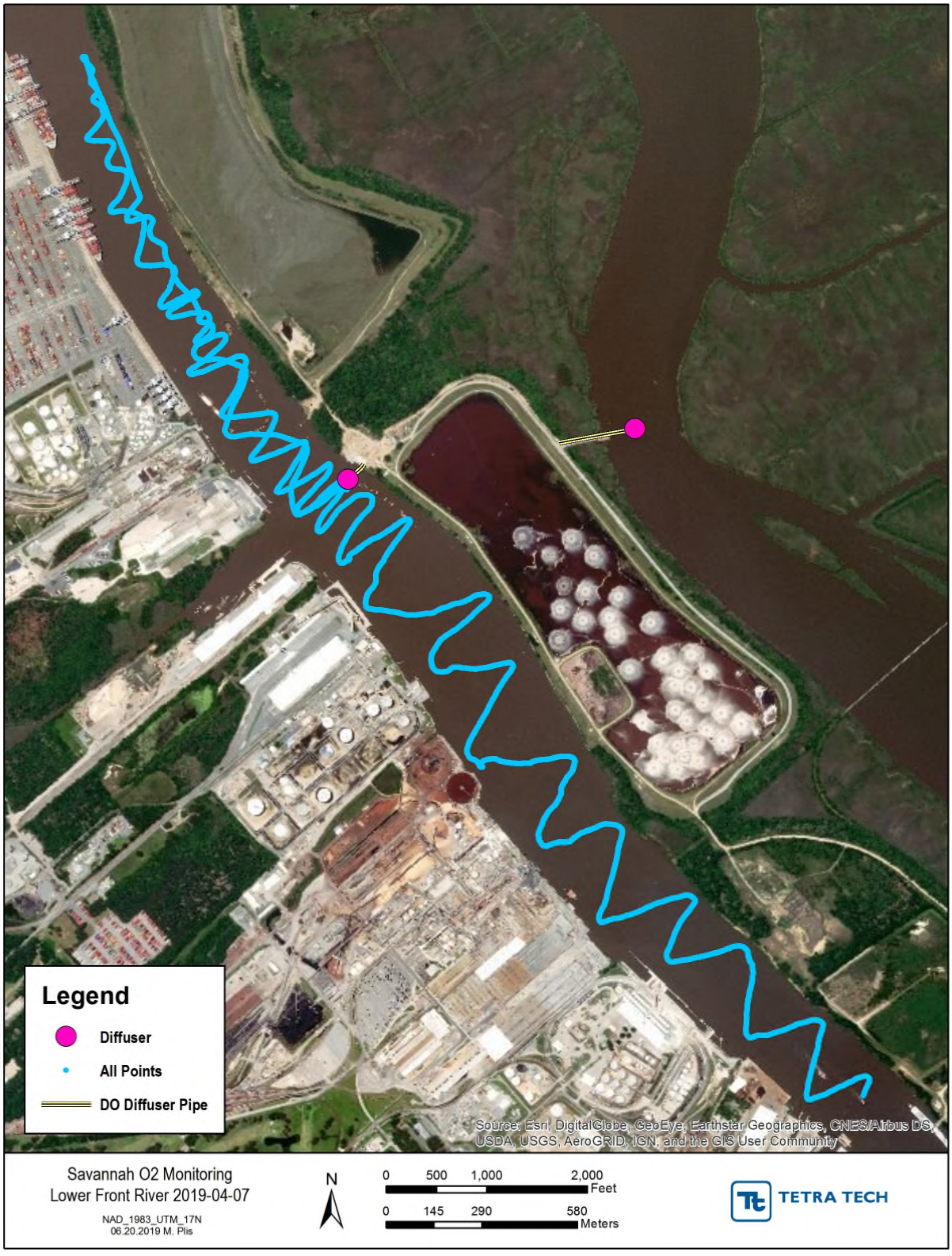


Figure C-345 Front River April 7, 2019 flood tide traveling profile location map (LFR_040719_001)

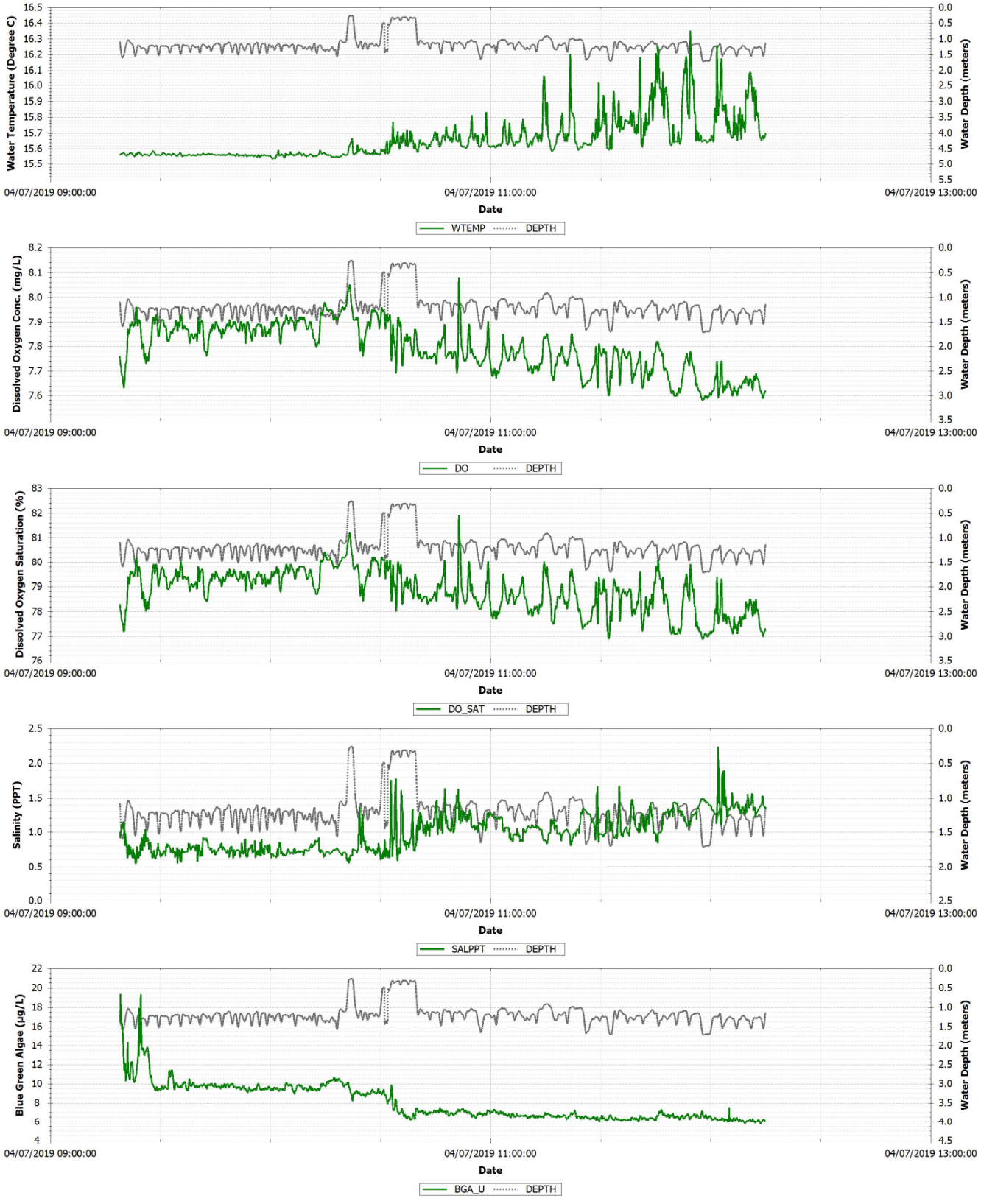


Figure C-346 Front River April 7, 2019 flood tide traveling profile observations (LFR_040719_001)

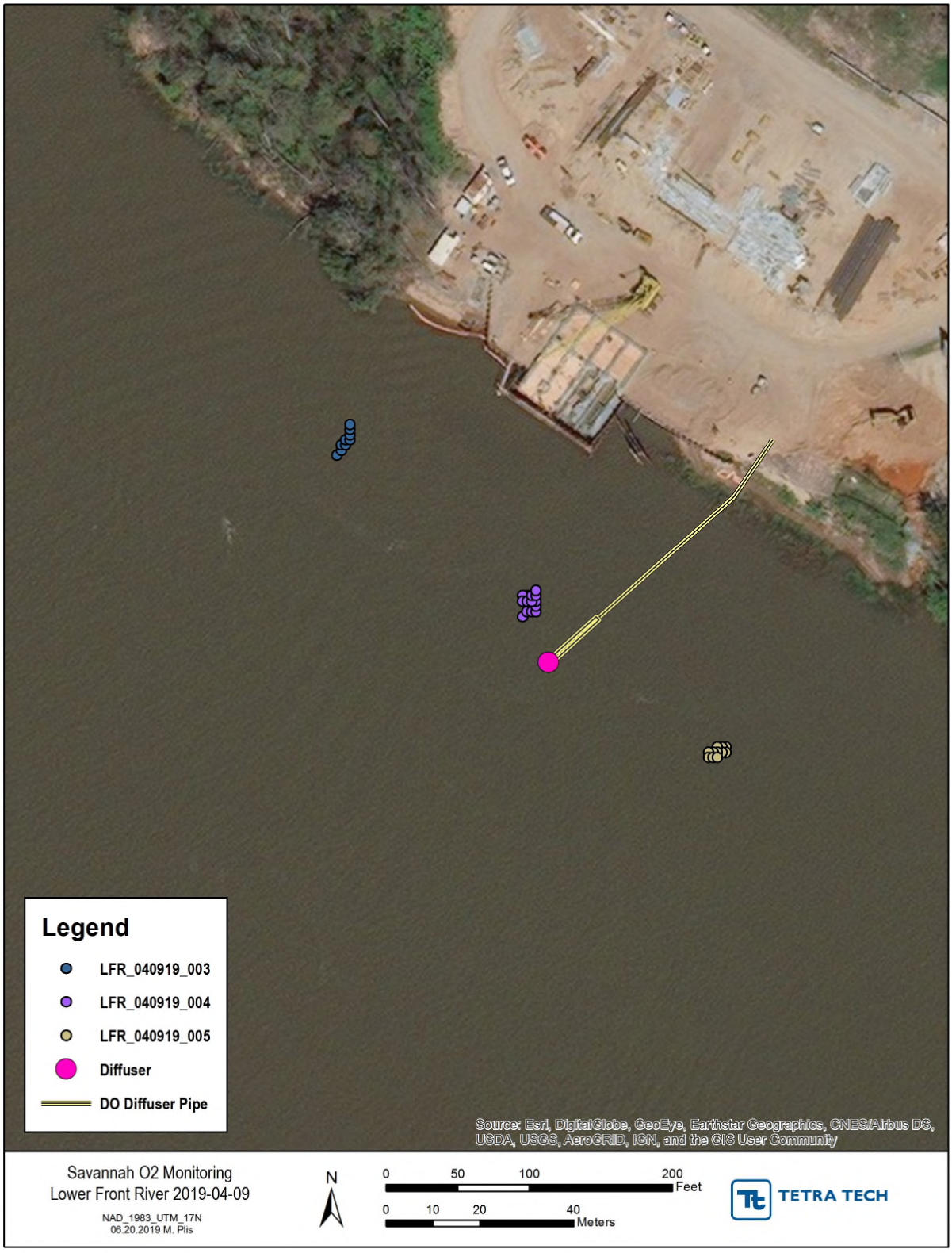


Figure C-347 Front River April 9, 2019 stationary profiles location map

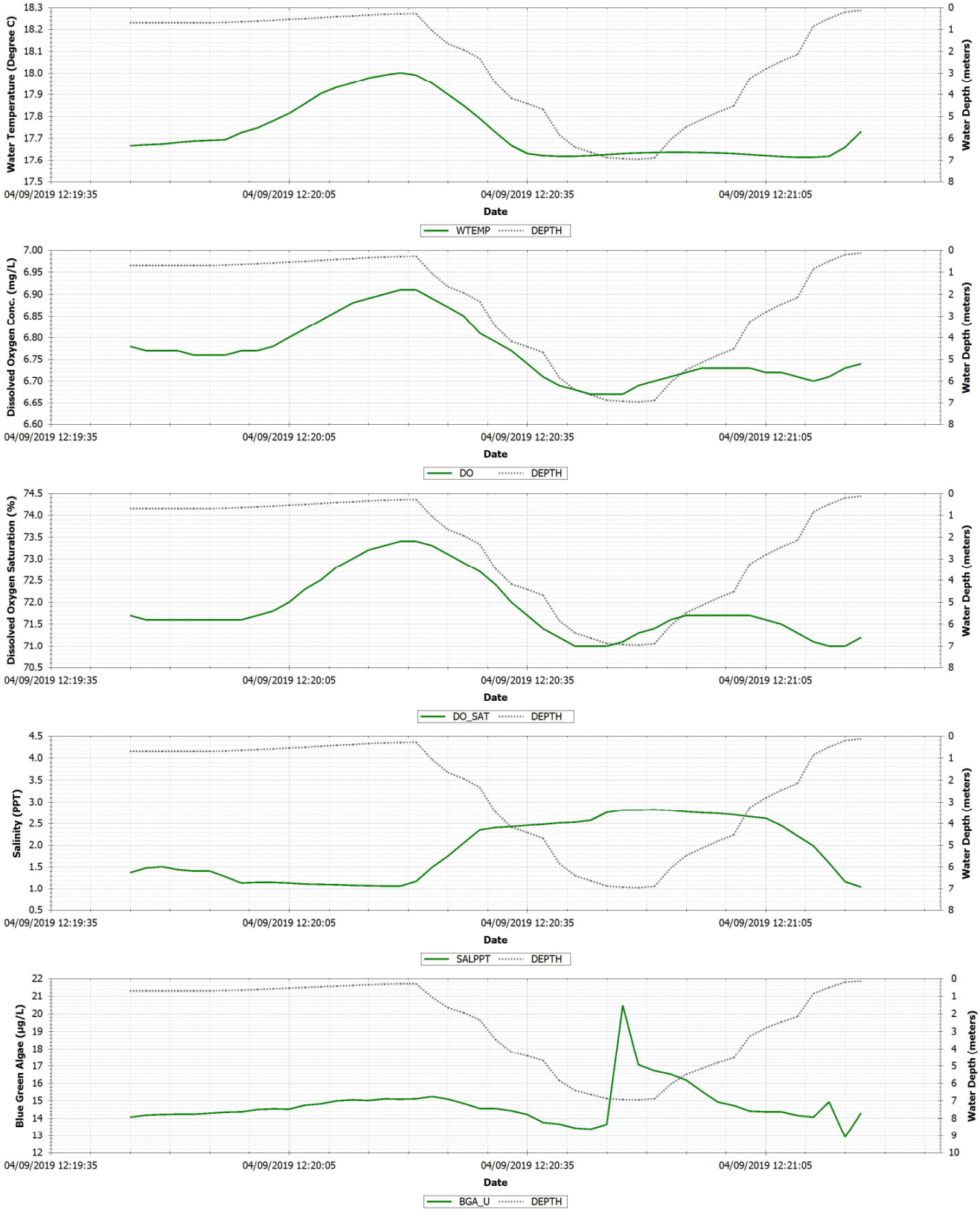


Figure C-348 Front River April 9, 2019 additional buoy flood tide stationary profile observations (LFR_040919_003)

Figure C-349 Front River April 9, 2019 north buoy flood tide stationary profile observations (LFR_040919_004)

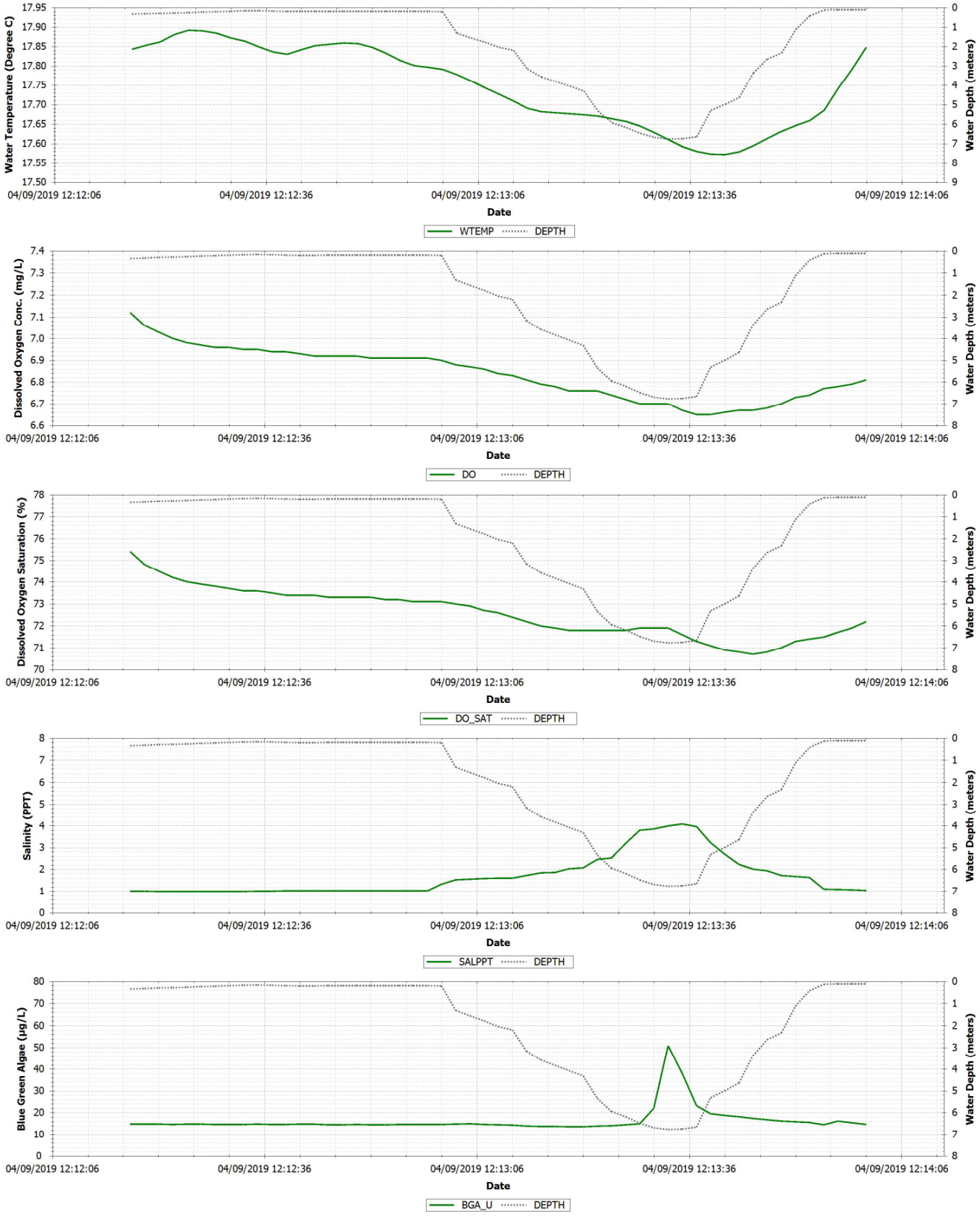


Figure C-350 Front River April 9, 2019 south buoy flood tide stationary profile observations (LFR_040919_005)

Figure C-351 Front River April 9, 2019 flood tide traveling profile period 1 location map (LFR_040919_002)

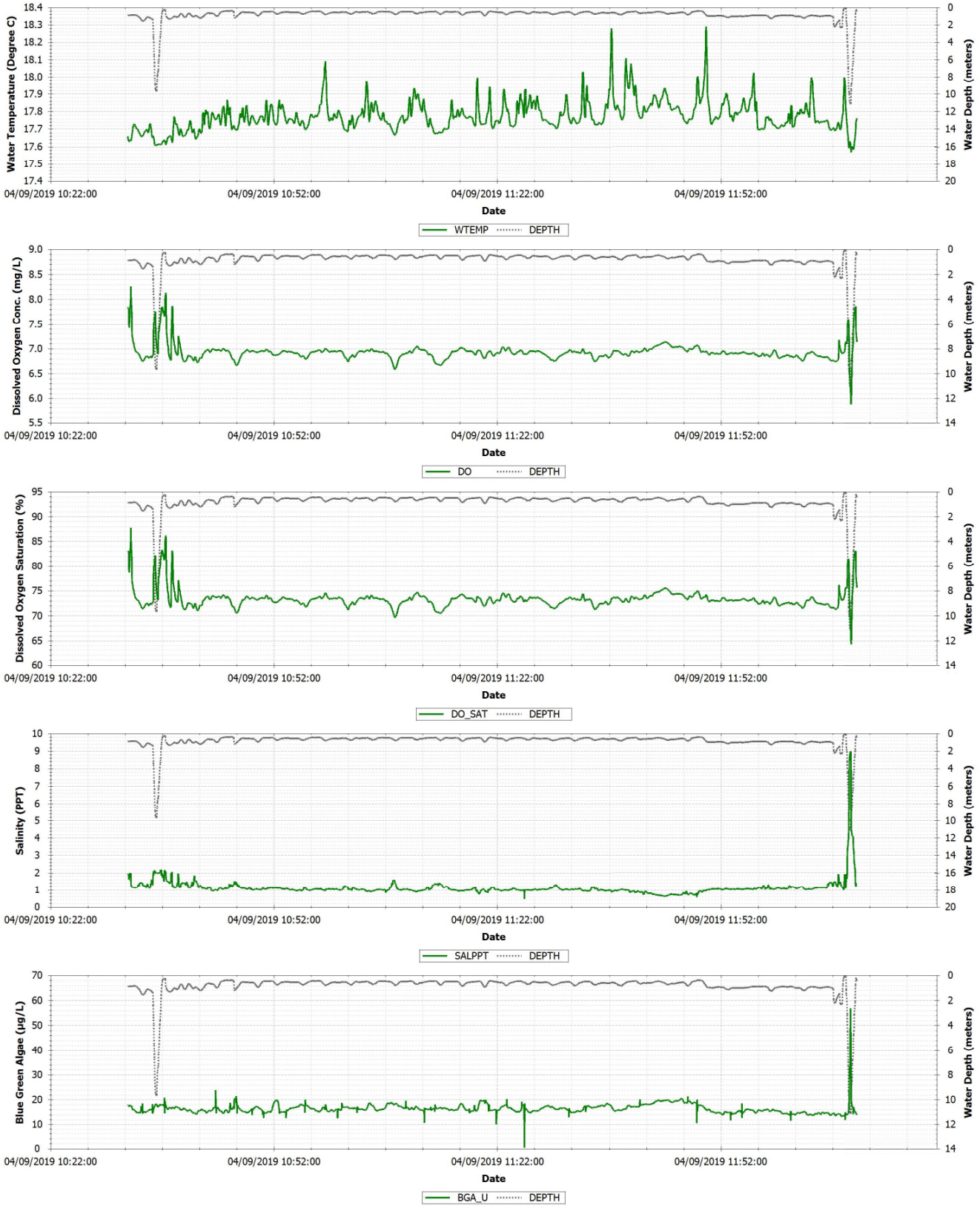


Figure C-352 Front River April 9, 2019 flood tide traveling profile period 1 observations (LFR_040919_002)

Figure C-353 Front River April 9, 2019 flood tide traveling profile period 2 location map (LFR_040919_001)

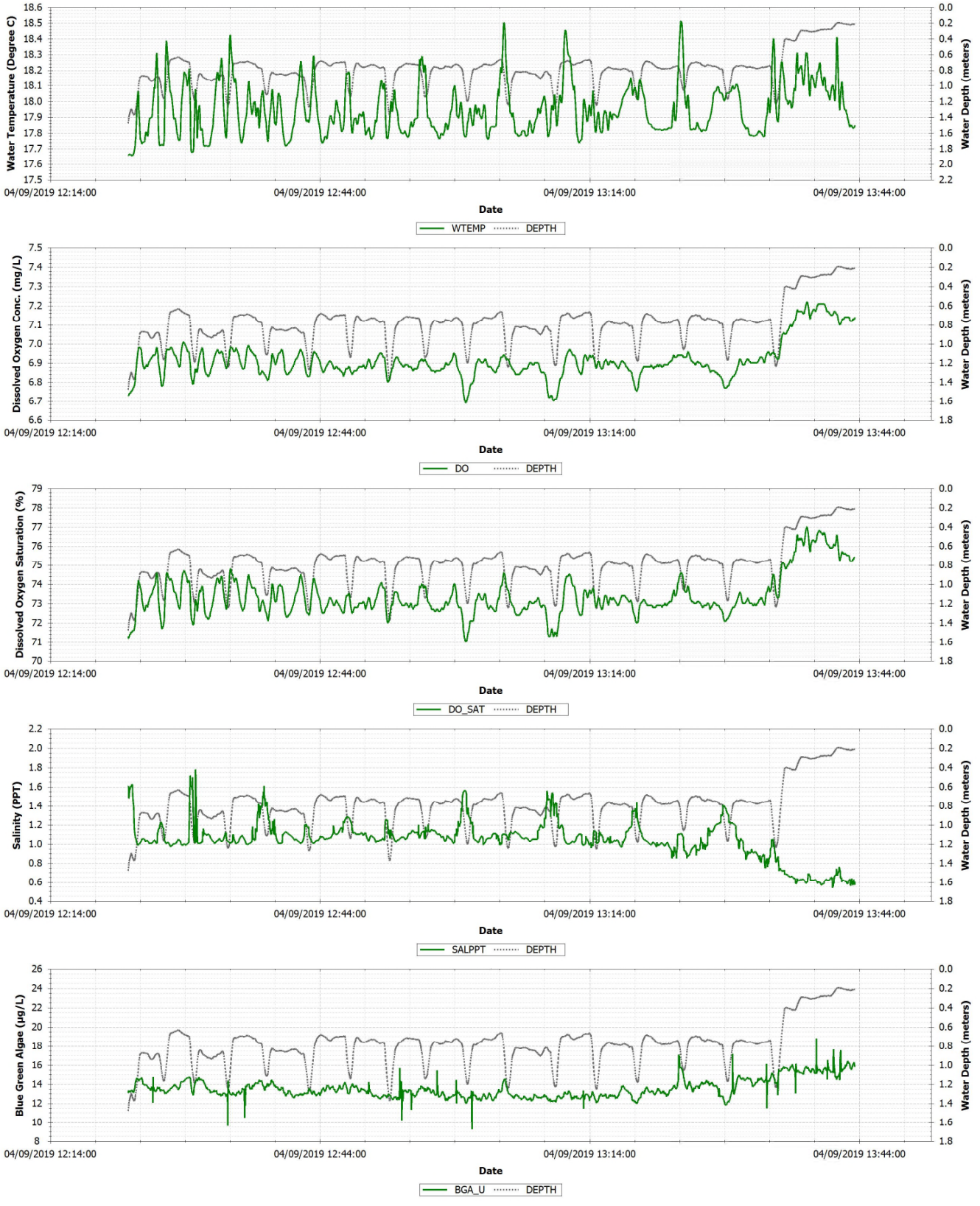


Figure C-354 Front River April 9, 2019 flood tide traveling profile period 2 observations (LFR_040919_001)

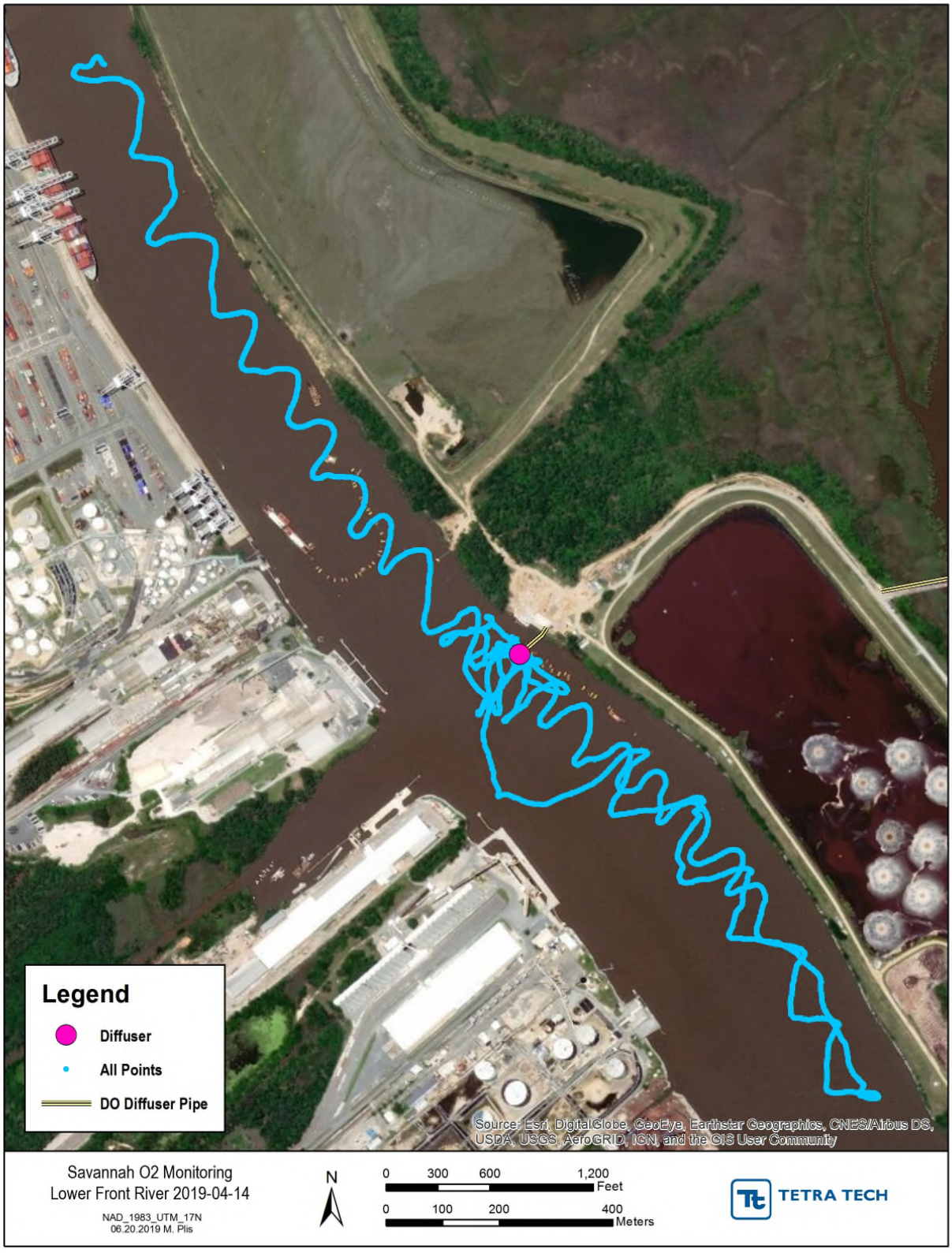


Figure C-355 Front River April 14, 2019 ebb tide traveling profile location map (LFR_041419_001)

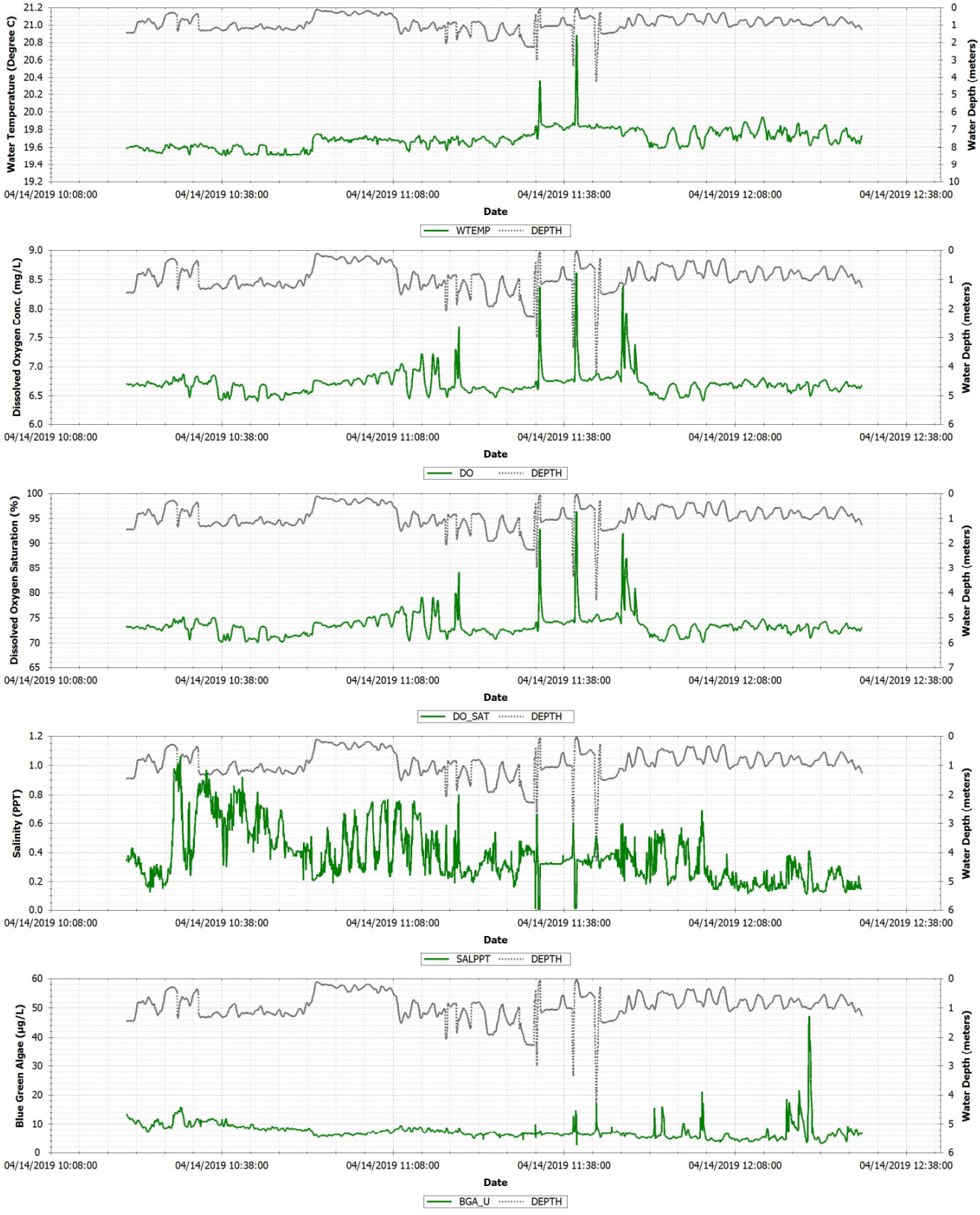


Figure C-356 Front River April 14, 2019 ebb tide traveling profile observations (LFR_041419_001)

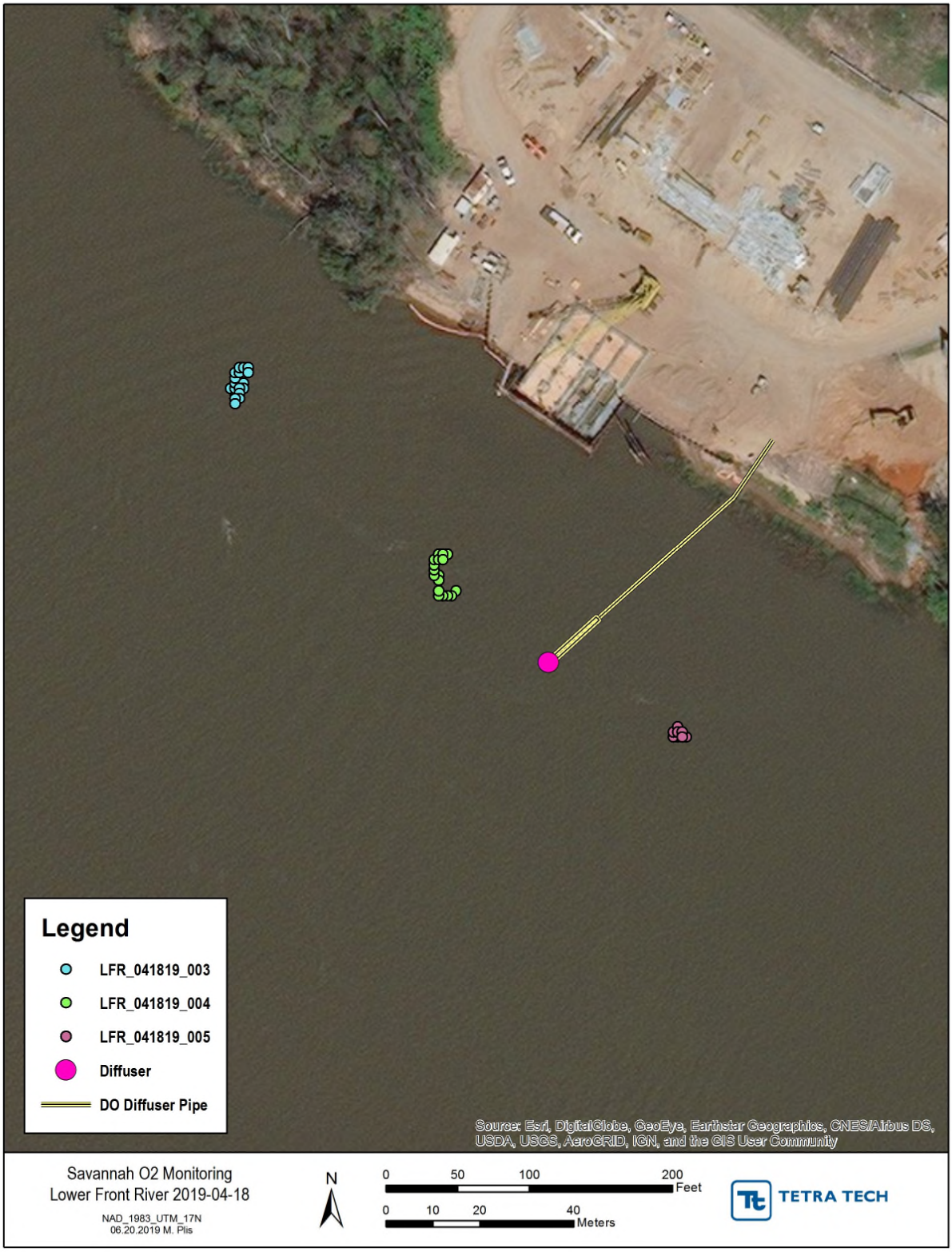


Figure C-357 Front River April 18, 2019 stationary profiles location map

Figure C-358 Front River April 18, 2019 additional buoy flood tide stationary profile observations (LFR_041819_003)

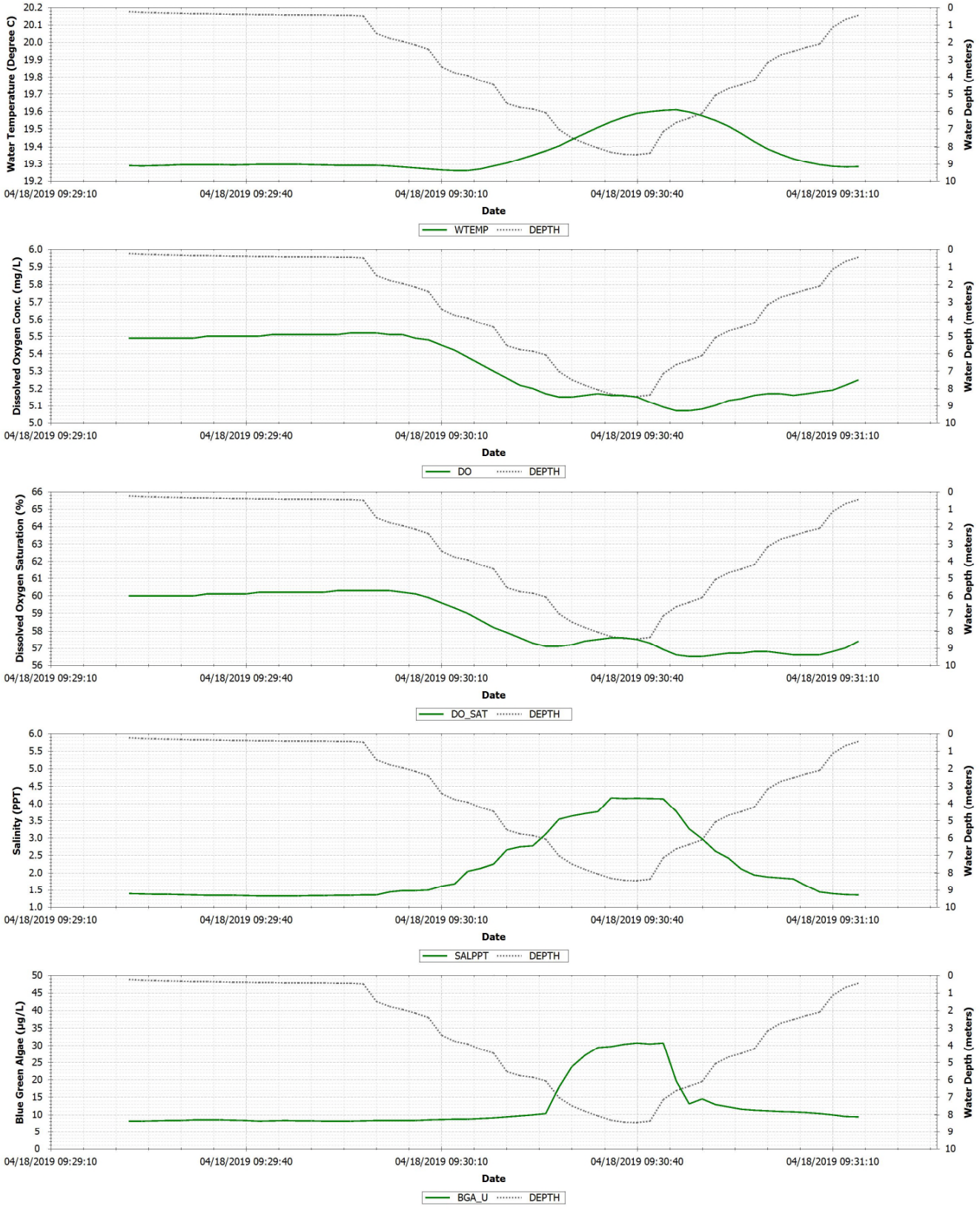


Figure C-359 Front River April 18, 2019 north buoy flood tide stationary profile observations (LFR_041819_004)

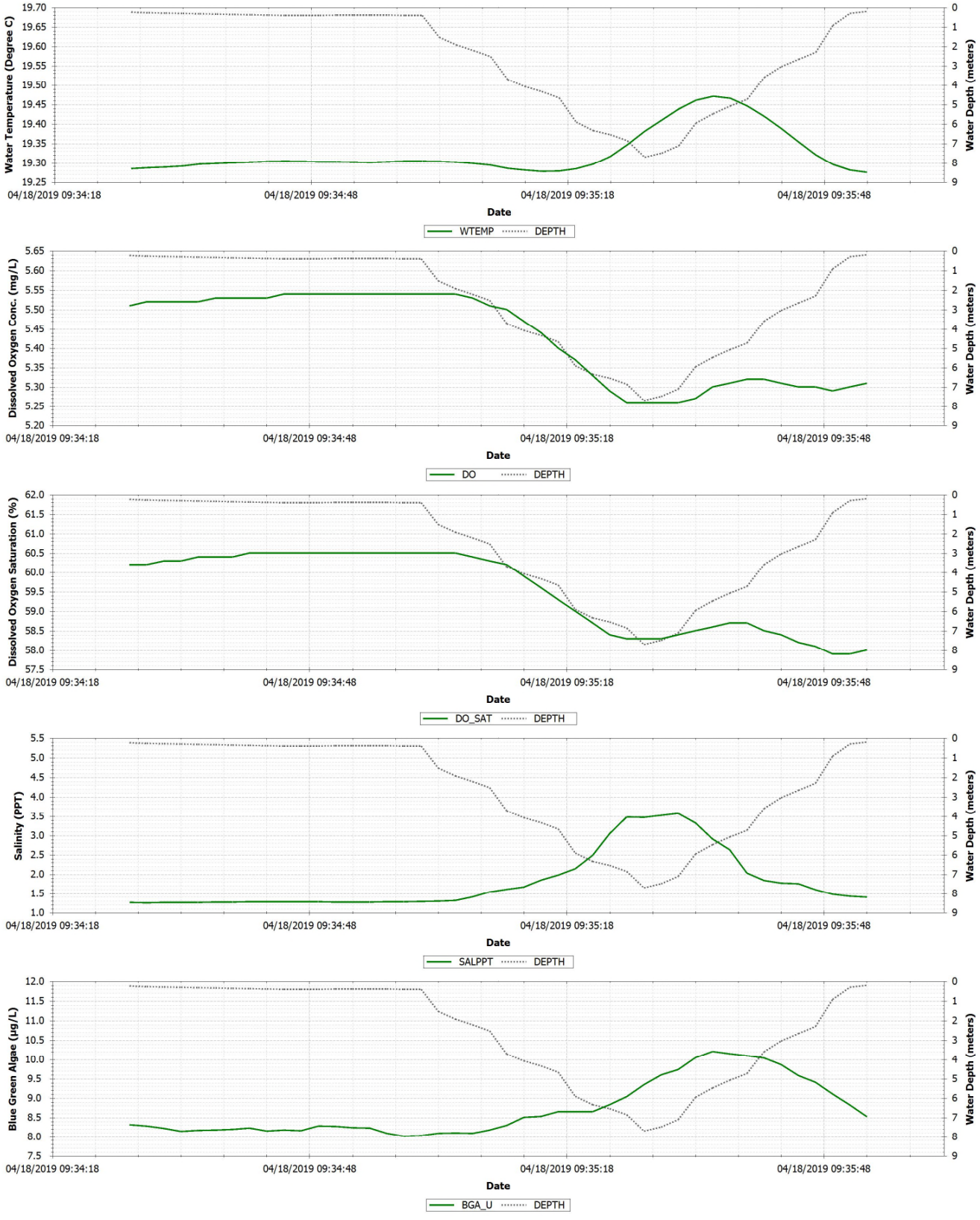


Figure C-360 Front River April 18, 2019 south buoy flood tide stationary profile observations (LFR_041819_005)

Figure C-361 Front River April 18, 2019 flood tide traveling profile period 1 location map (LFR_041819_002)

Figure C-362 Front River April 18, 2019 flood tide traveling profile period 1 observations (LFR_041819_002)

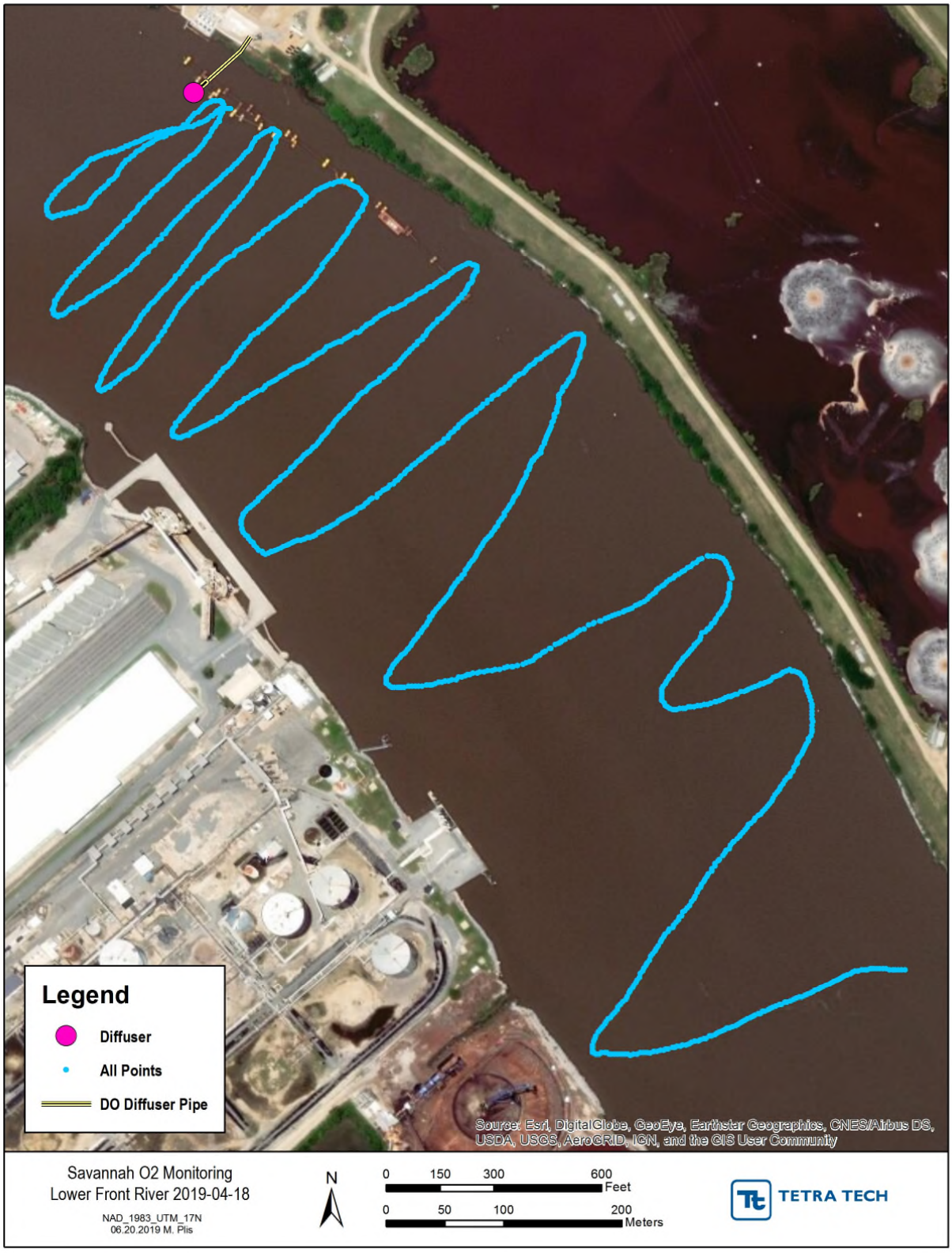


Figure C-363 Front River April 18, 2019 flood tide traveling profile period 2 location map (LFR_041819_001)

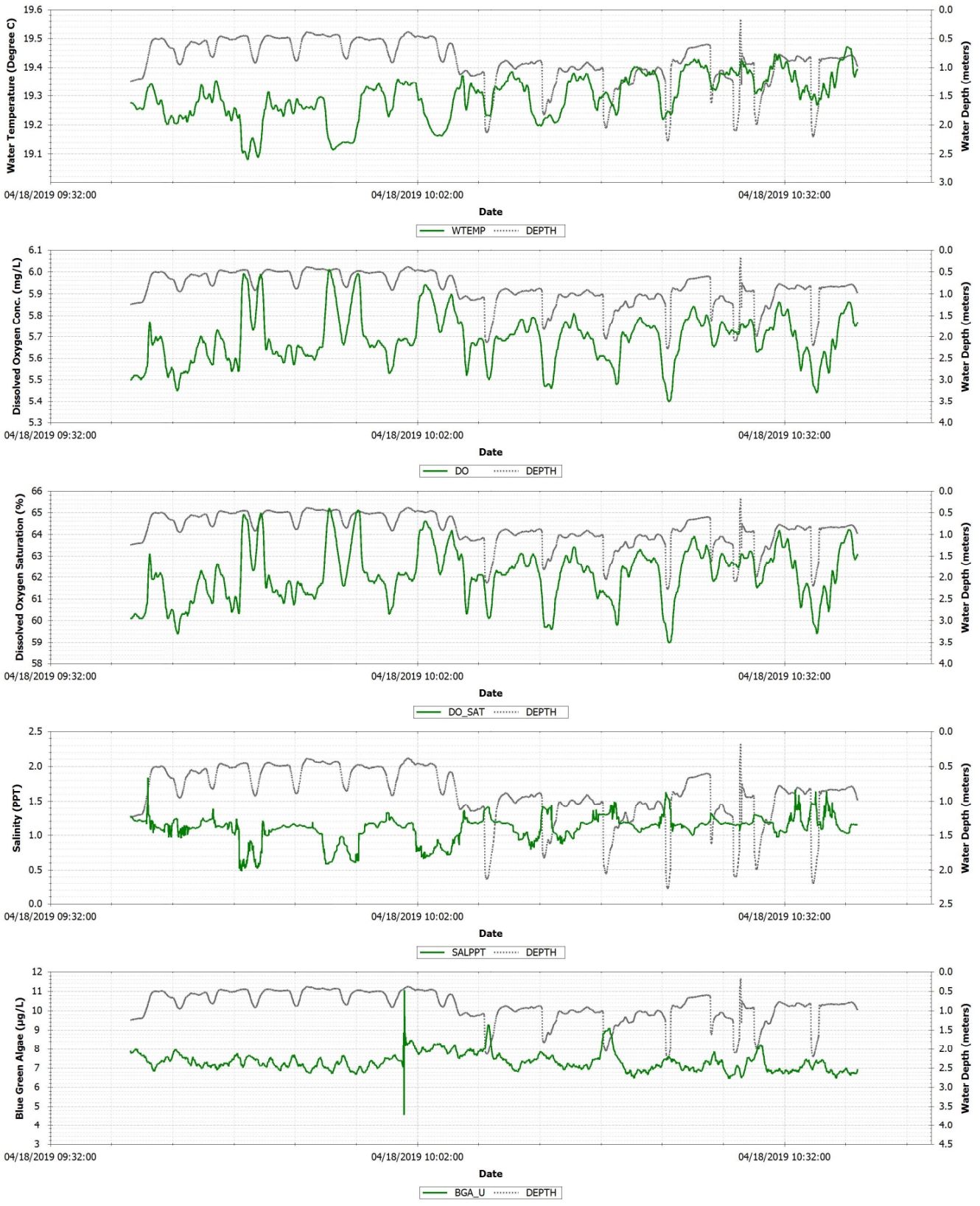


Figure C-364 Front River April 18, 2019 flood tide traveling profile period 2 observations (LFR_041819_001)

Figure C-365 Front River April 18, 2019 ebb tide traveling profile location map (LFR_041819_006)

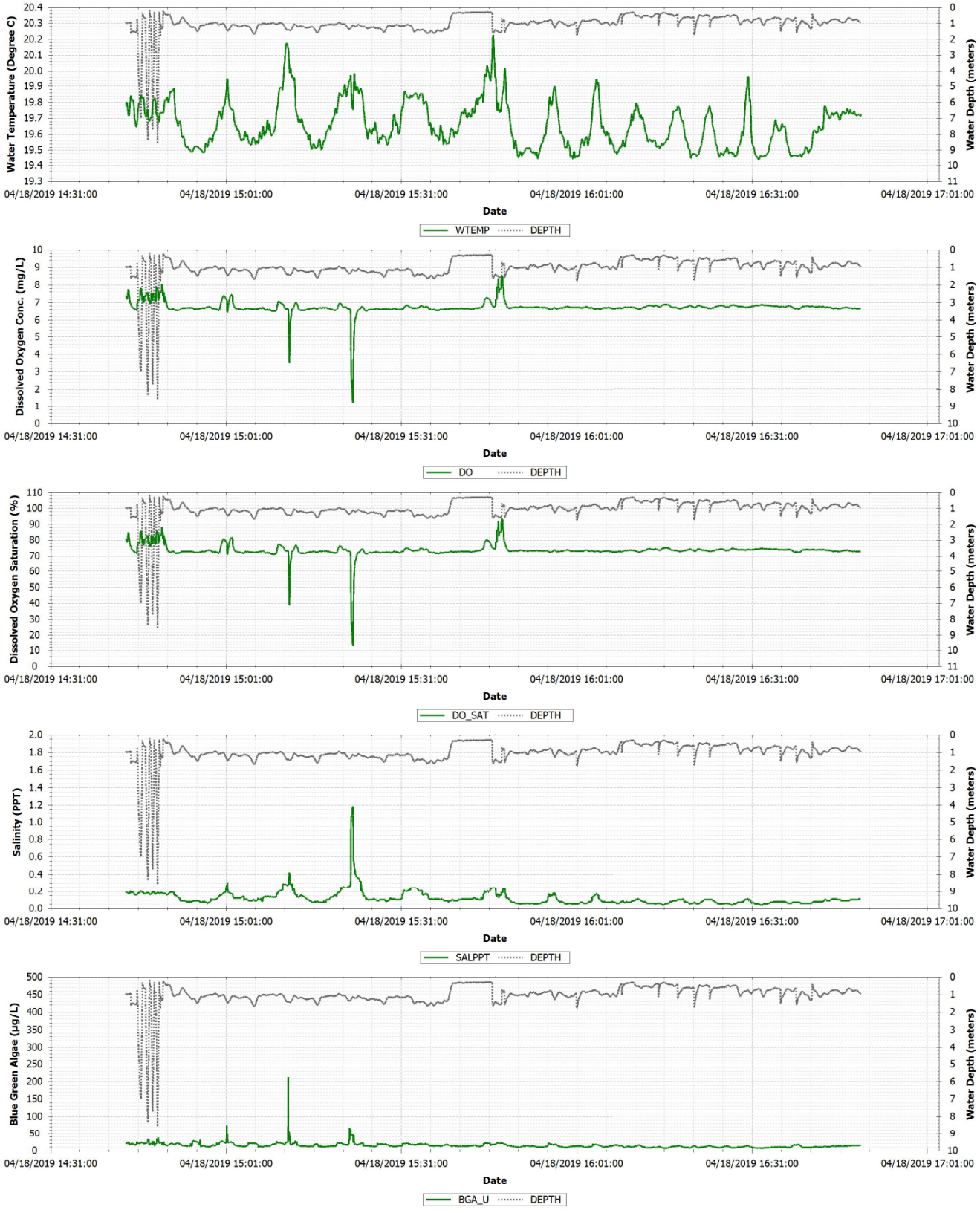


Figure C-366 Front River April 18, 2019 ebb tide traveling profile observations (LFR_041819_006)

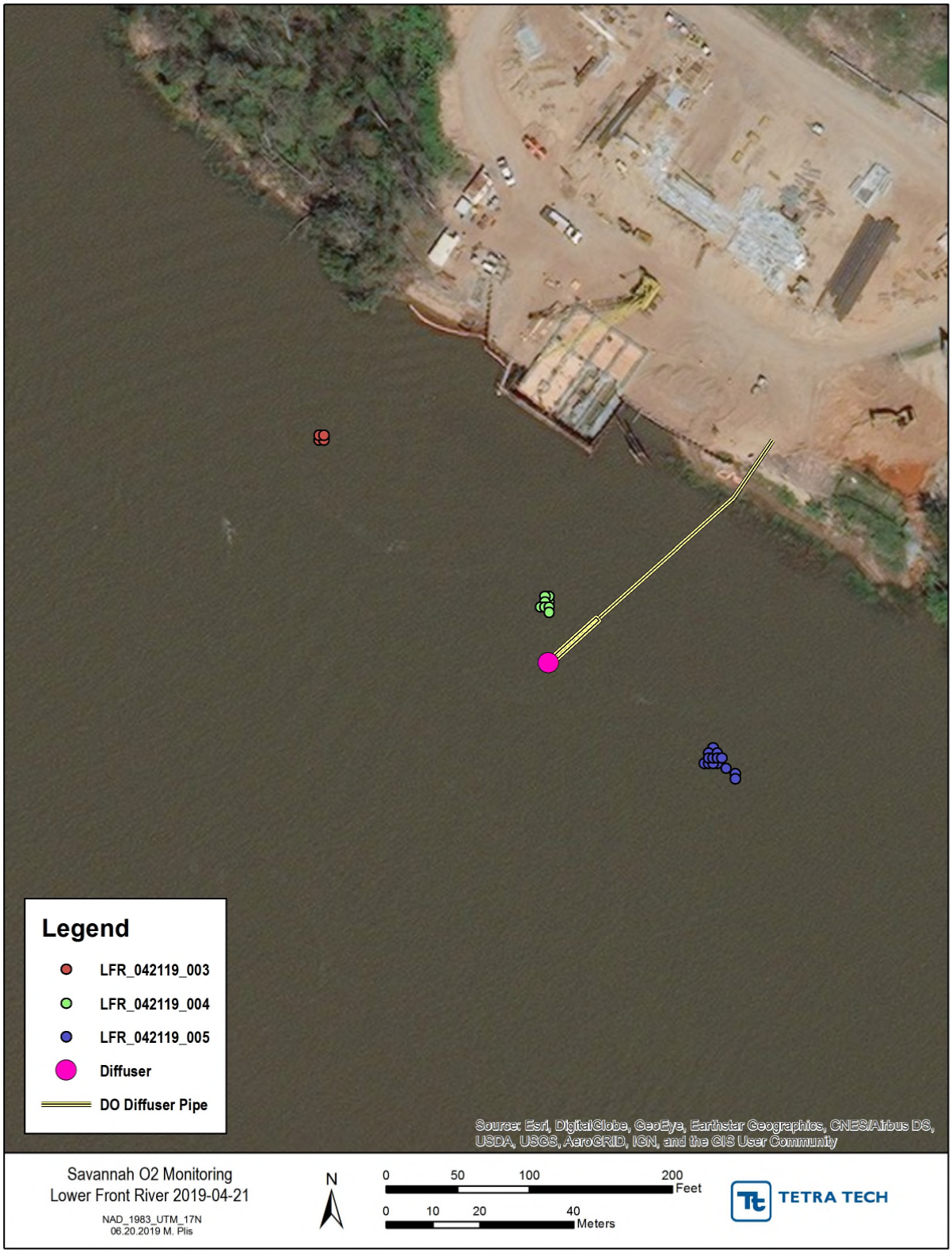


Figure C-367 Front River April 21, 2019 stationary profiles location map

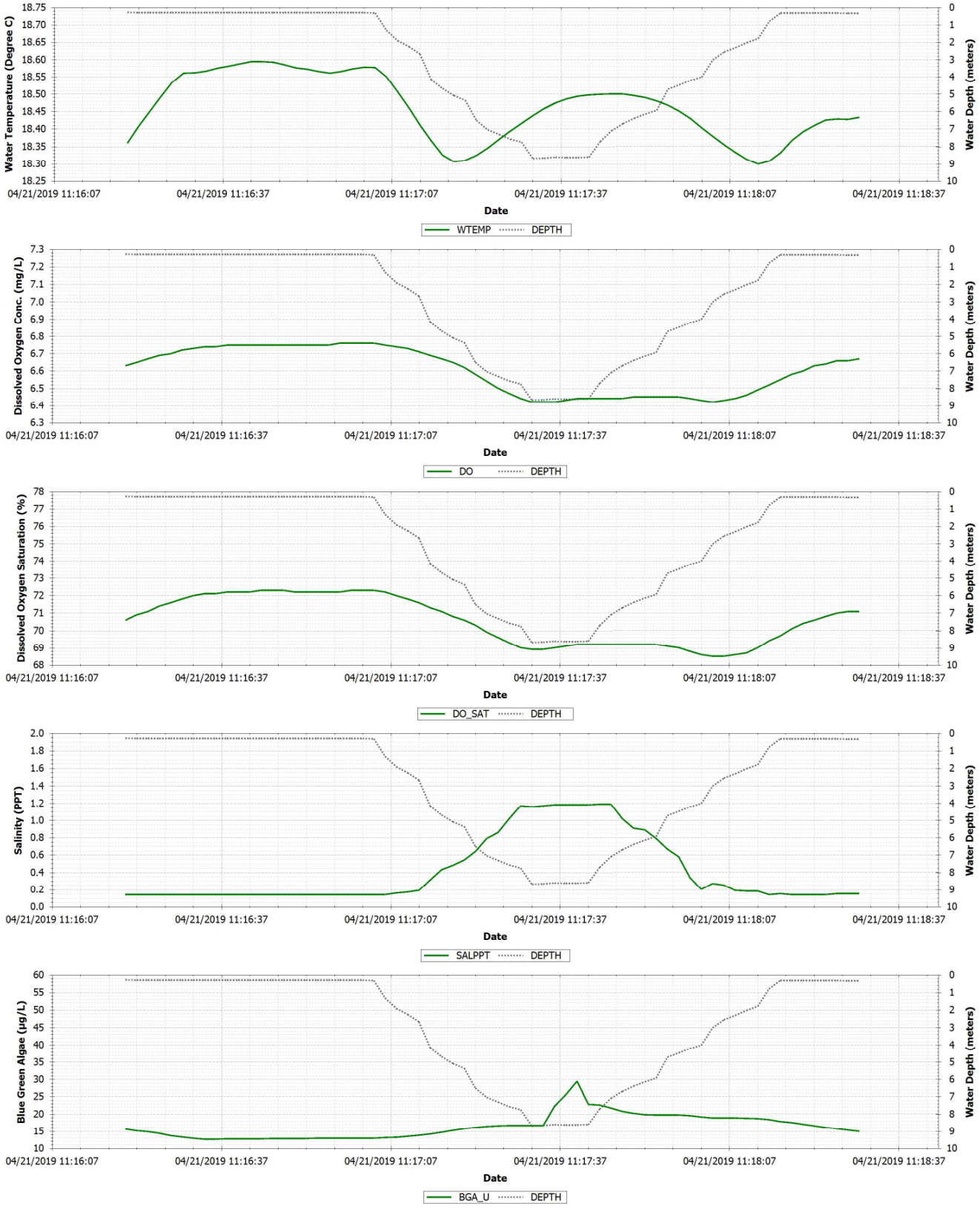


Figure C-368 Front River April 21, 2019 additional buoy flood tide stationary profile observations (LFR_042119_003)

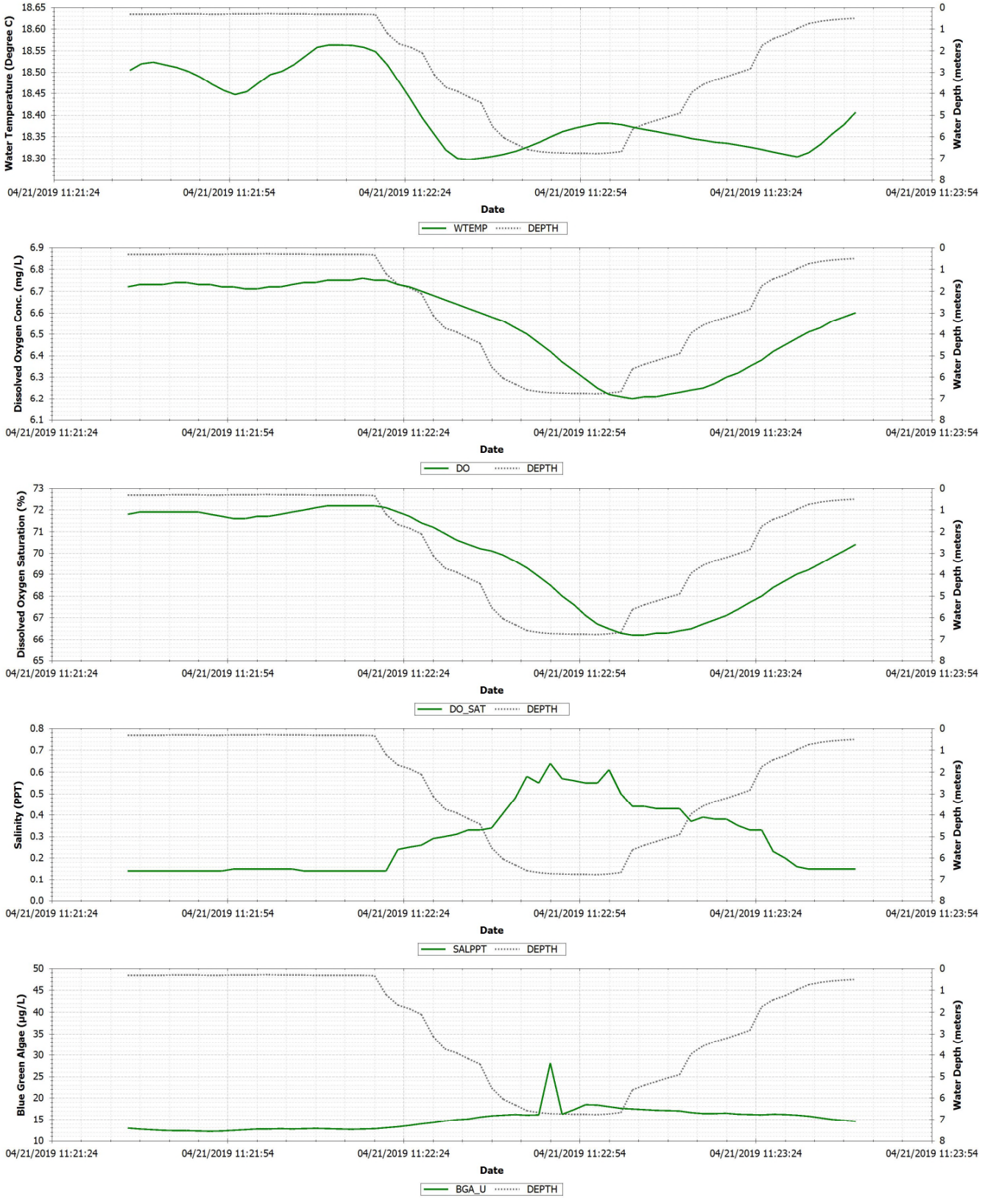


Figure C-369 Front River April 21, 2019 north buoy flood tide stationary profile observations (LFR_042119_004)

Figure C-370 Front River April 21, 2019 south buoy flood tide stationary profile observations (LFR_042119_005)

Figure C-371 Front River April 21, 2019 flood tide traveling profile period 1 location map (LFR_042119_002)

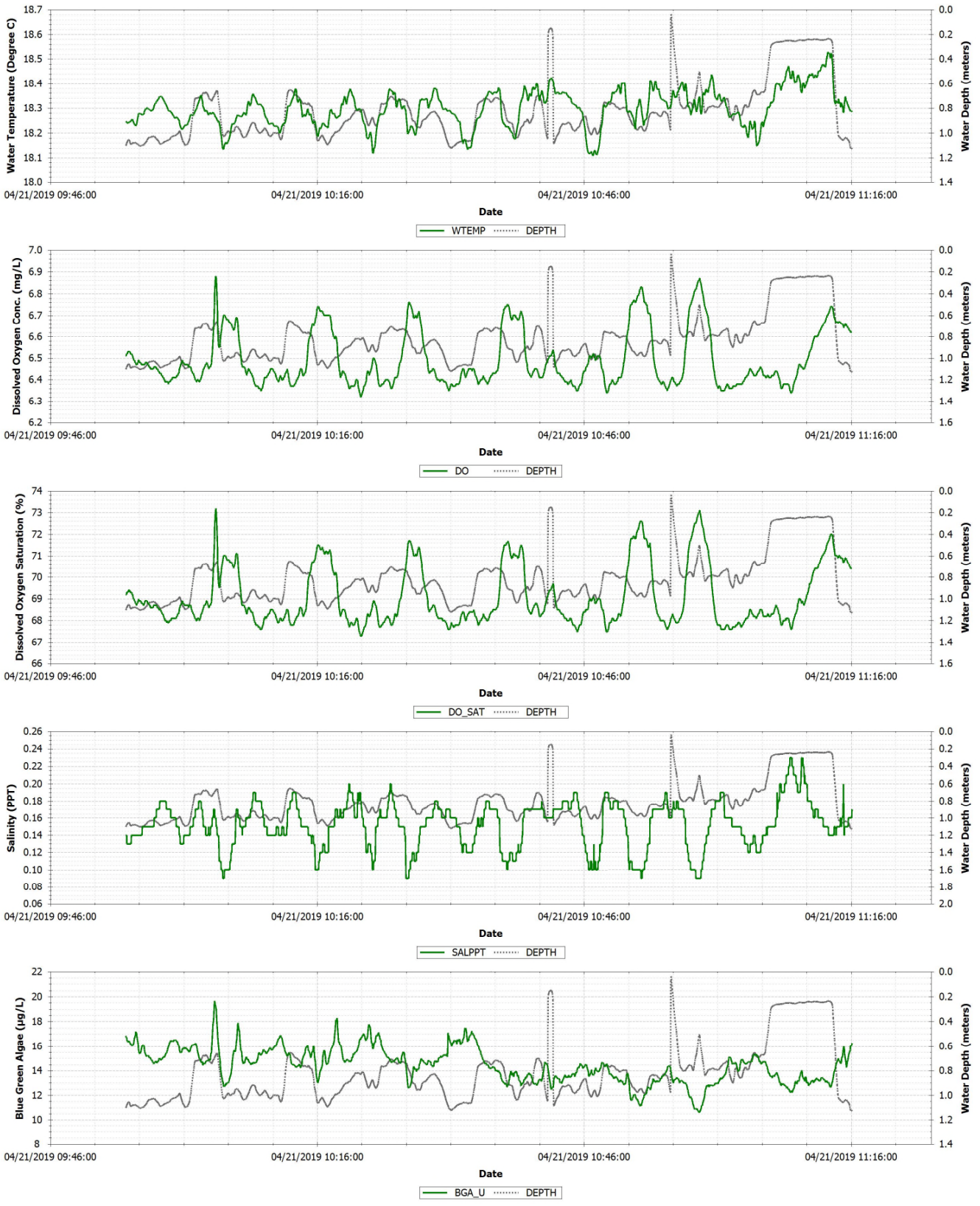


Figure C-372 Front River April 21, 2019 flood tide traveling profile period 1 observations (LFR_042119_002)

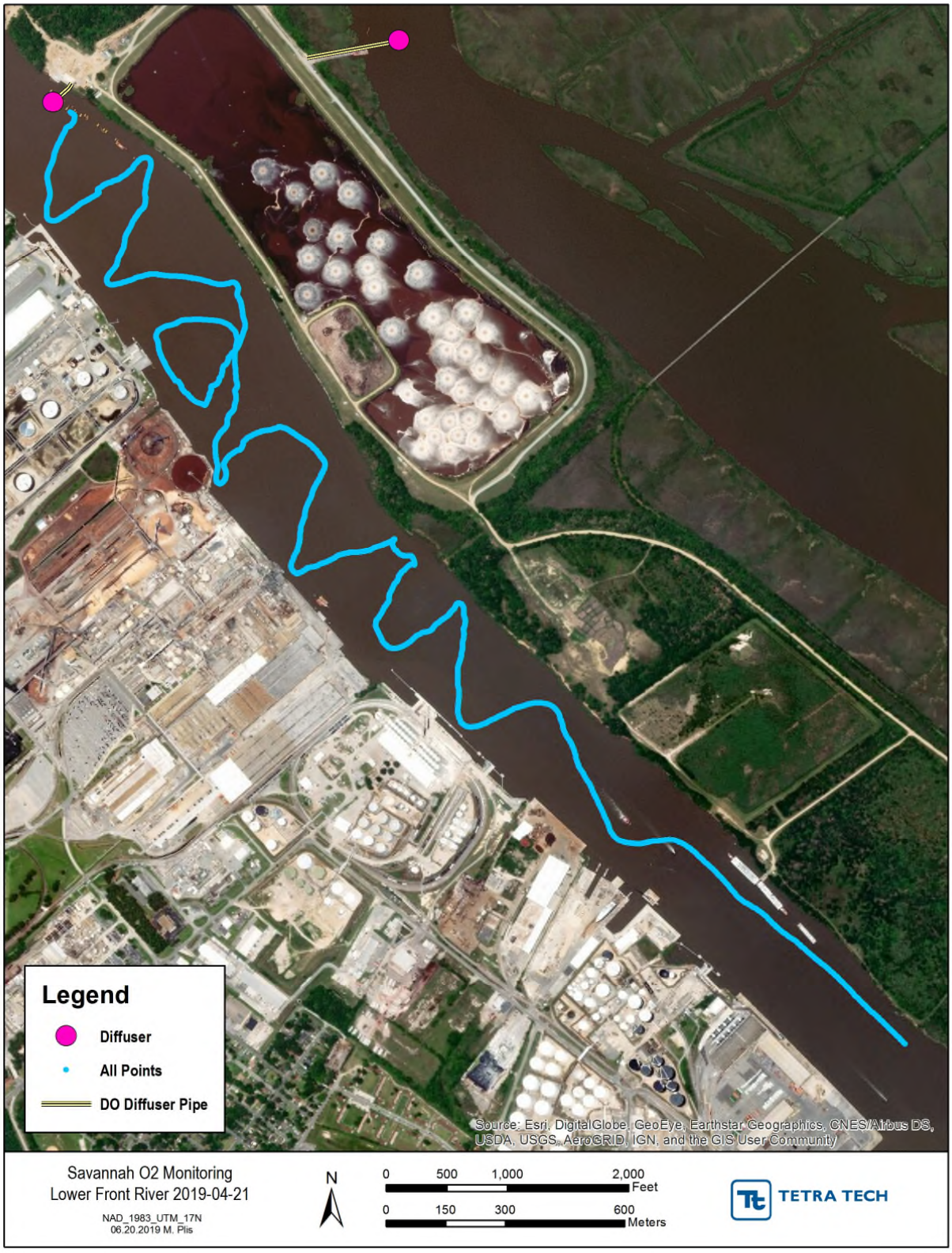


Figure C-373 Front River April 21, 2019 flood tide traveling profile period 2 location map (LFR_042119_001)

Figure C-374 Front River April 21, 2019 flood tide traveling profile period 2 observations (LFR_042119_001)

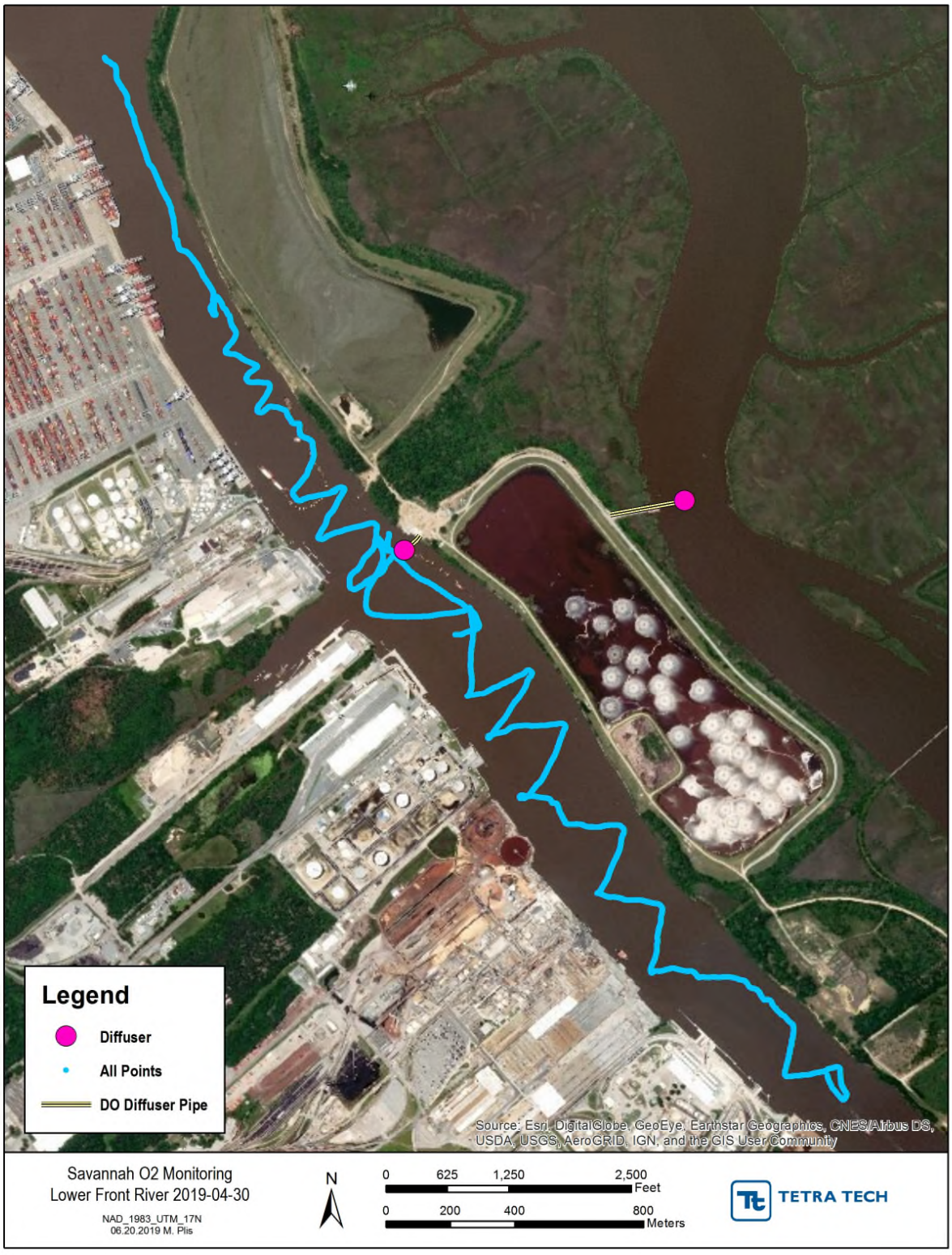
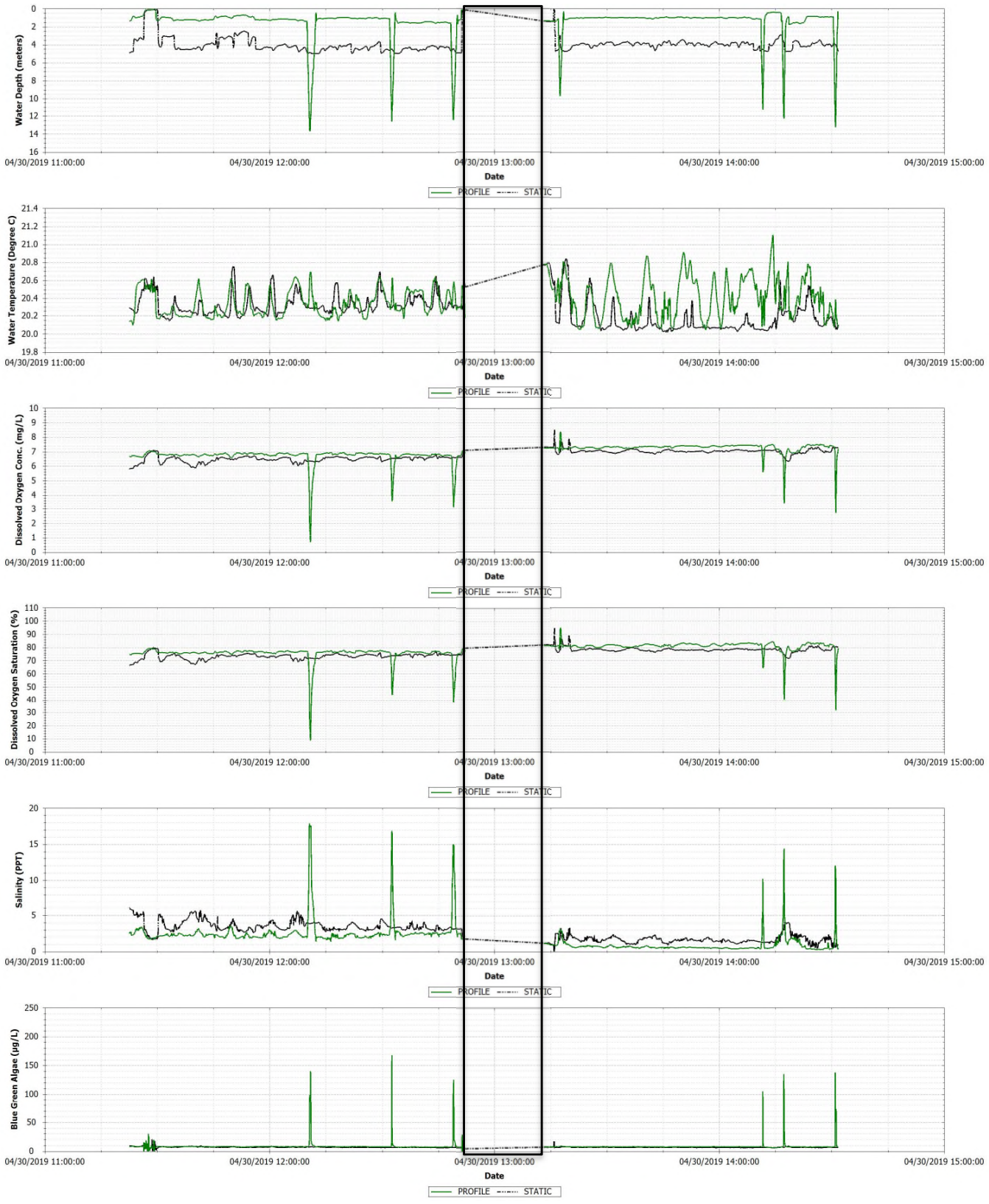


Figure C-375 Front River April 30, 2019 ebb tide two sonde combo profile location map (LFR_043019_001, LFR_043019_002, and LFR_043019_003)



Note black box identifies a period where plotting program is connecting two non-continuous periods (period in box is not measured)

Figure C-376 Front River April 30, 2019 ebb tide two sonde combo profile observations (LFR_043019_001, LFR_043019_002, and LFR_043019_003)

Figure C-377 Front River May 1, 2019 stationary profiles location map

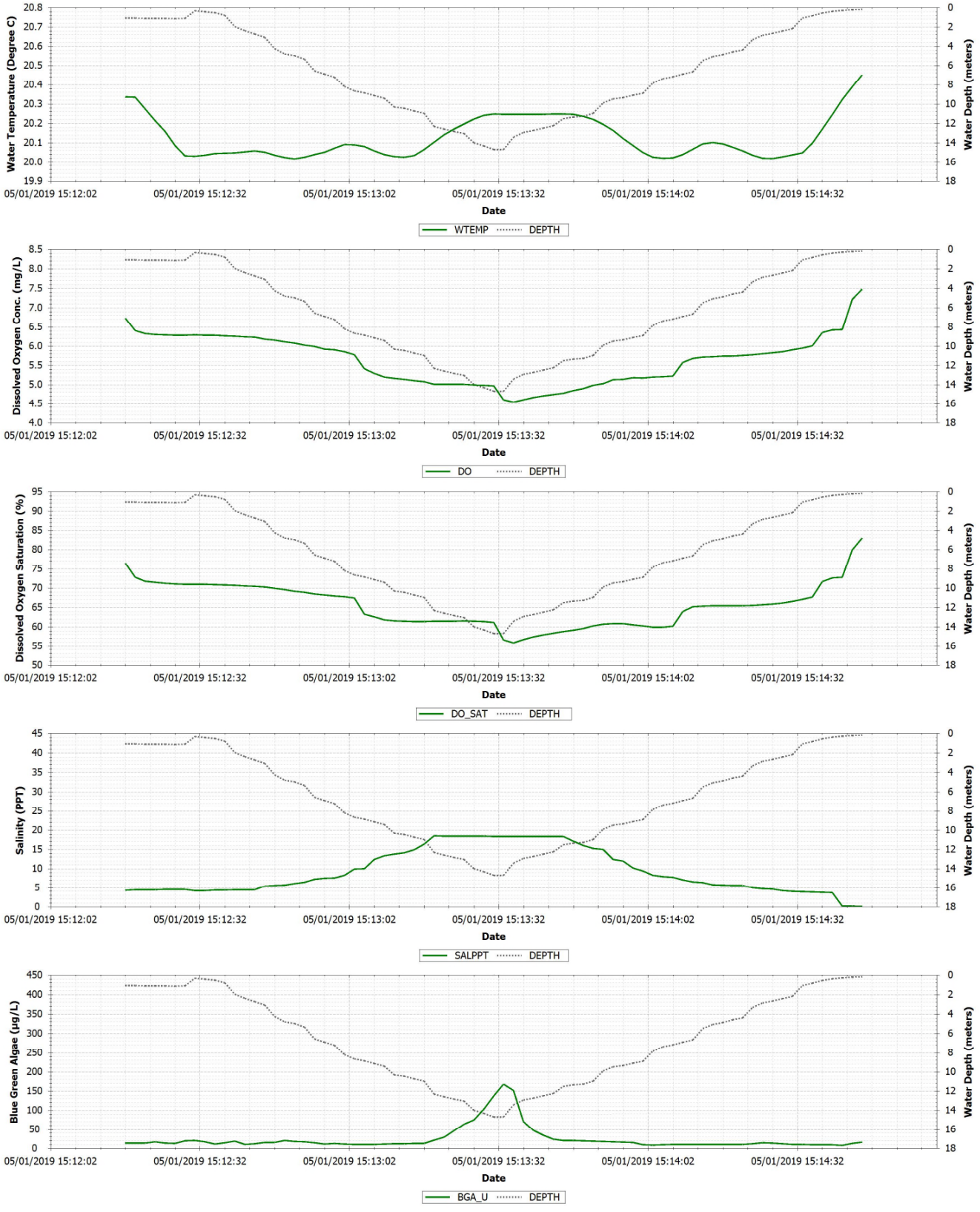


Figure C-378 Front River May 1, 2019 Depot flood tide stationary profile observations (LFR_050119_001)

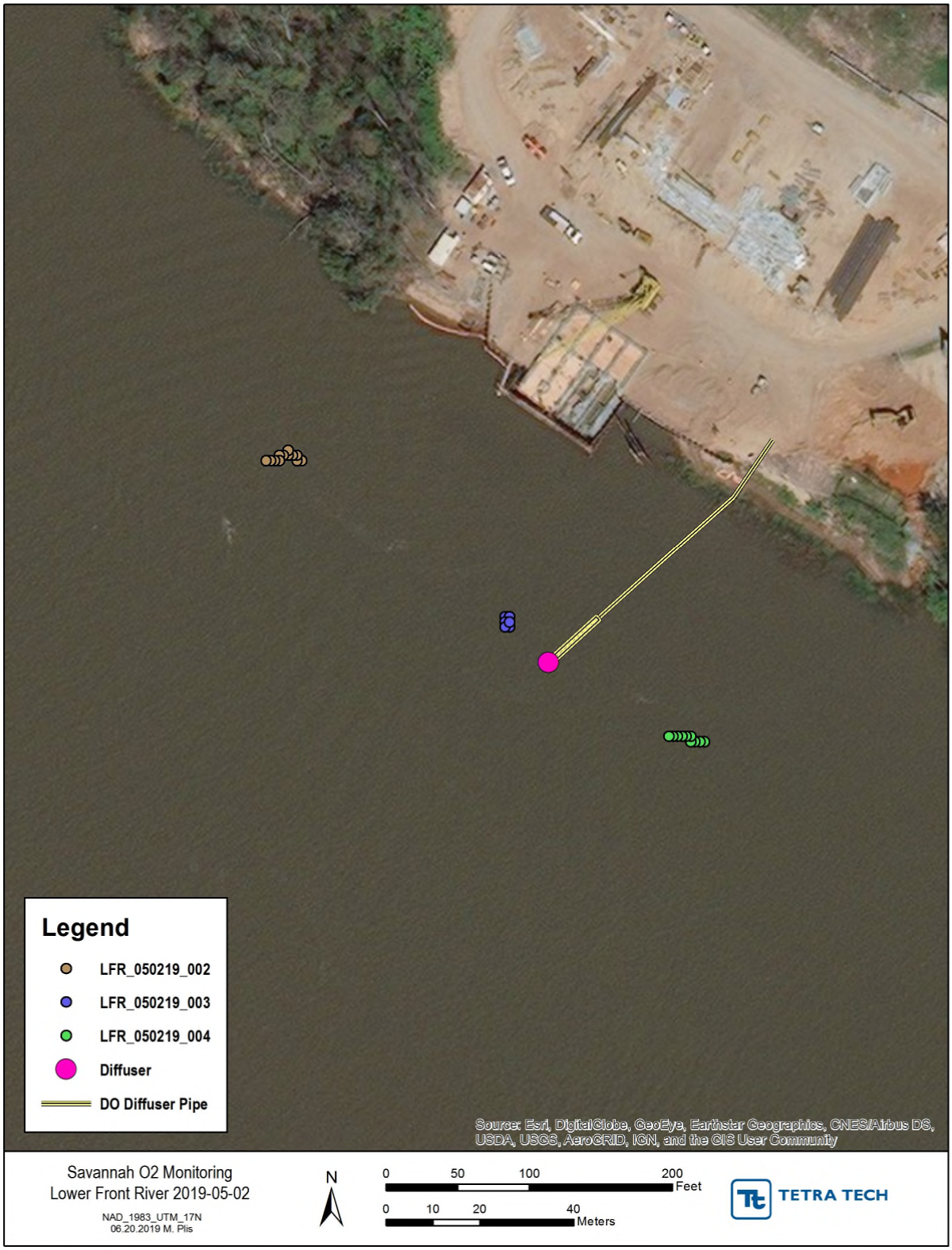


Figure C-379 Front River May 2, 2019 stationary profiles location map

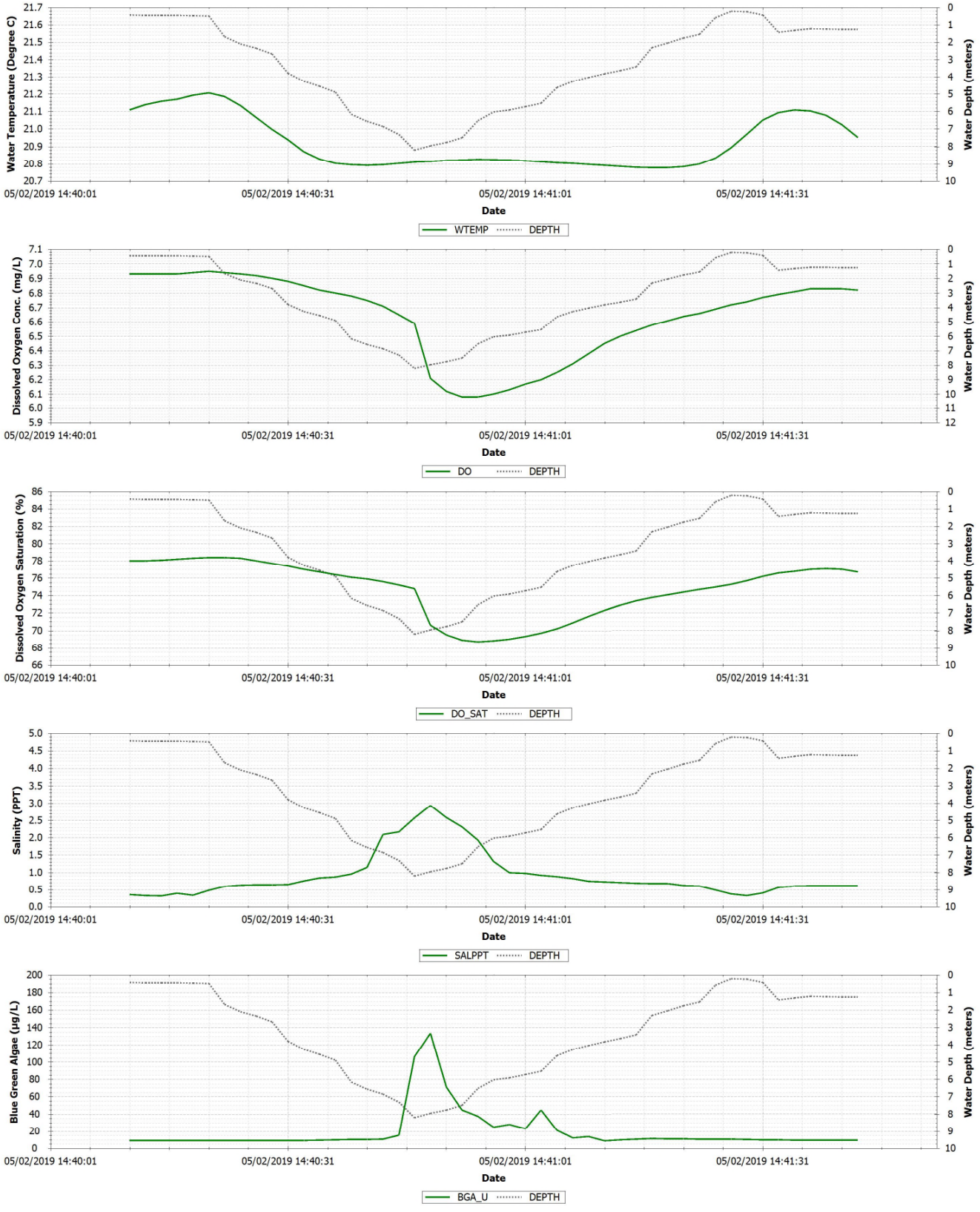


Figure C-380 Front River May 2, 2019 additional buoy ebb tide stationary profile observations (LFR_050219_002)

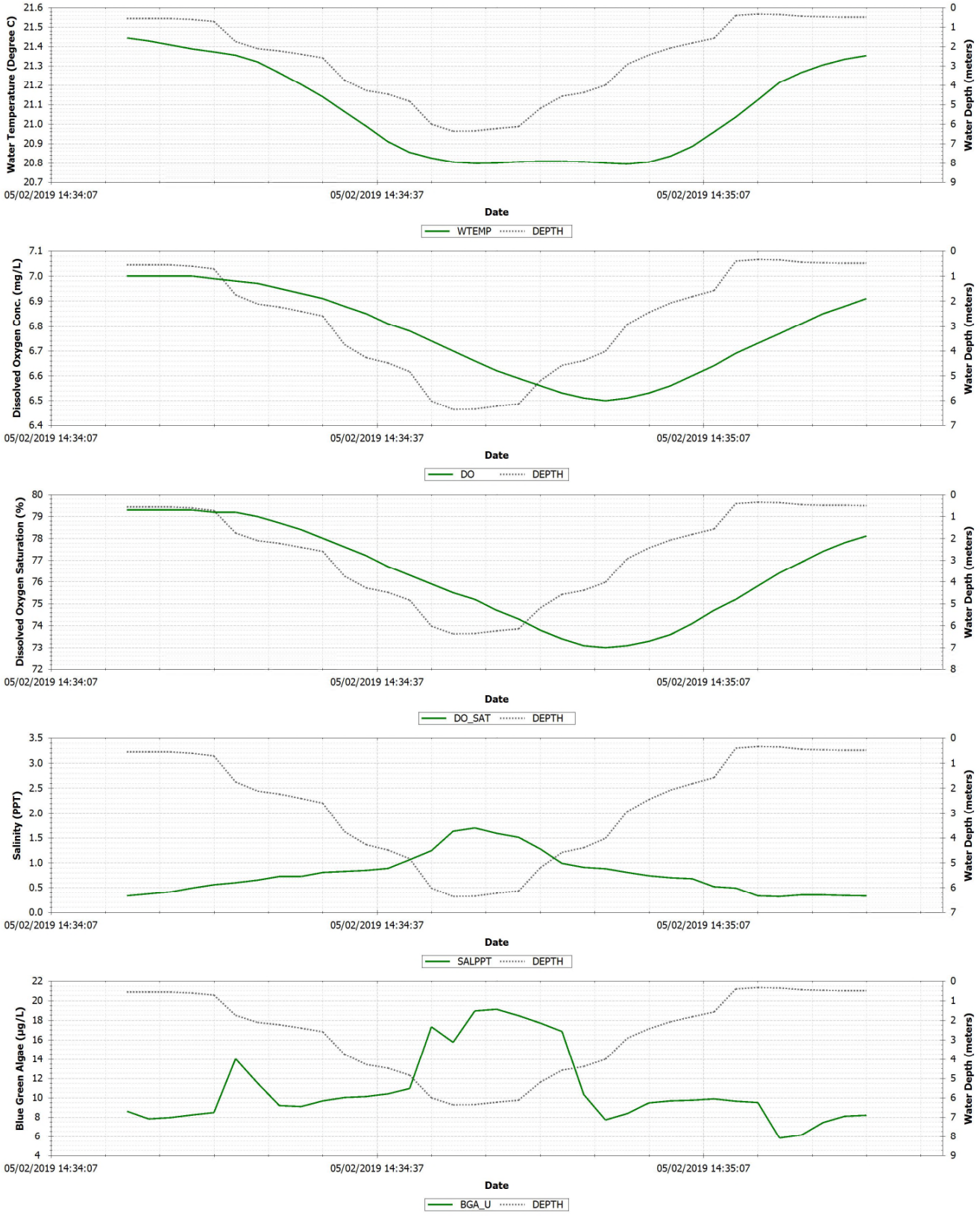
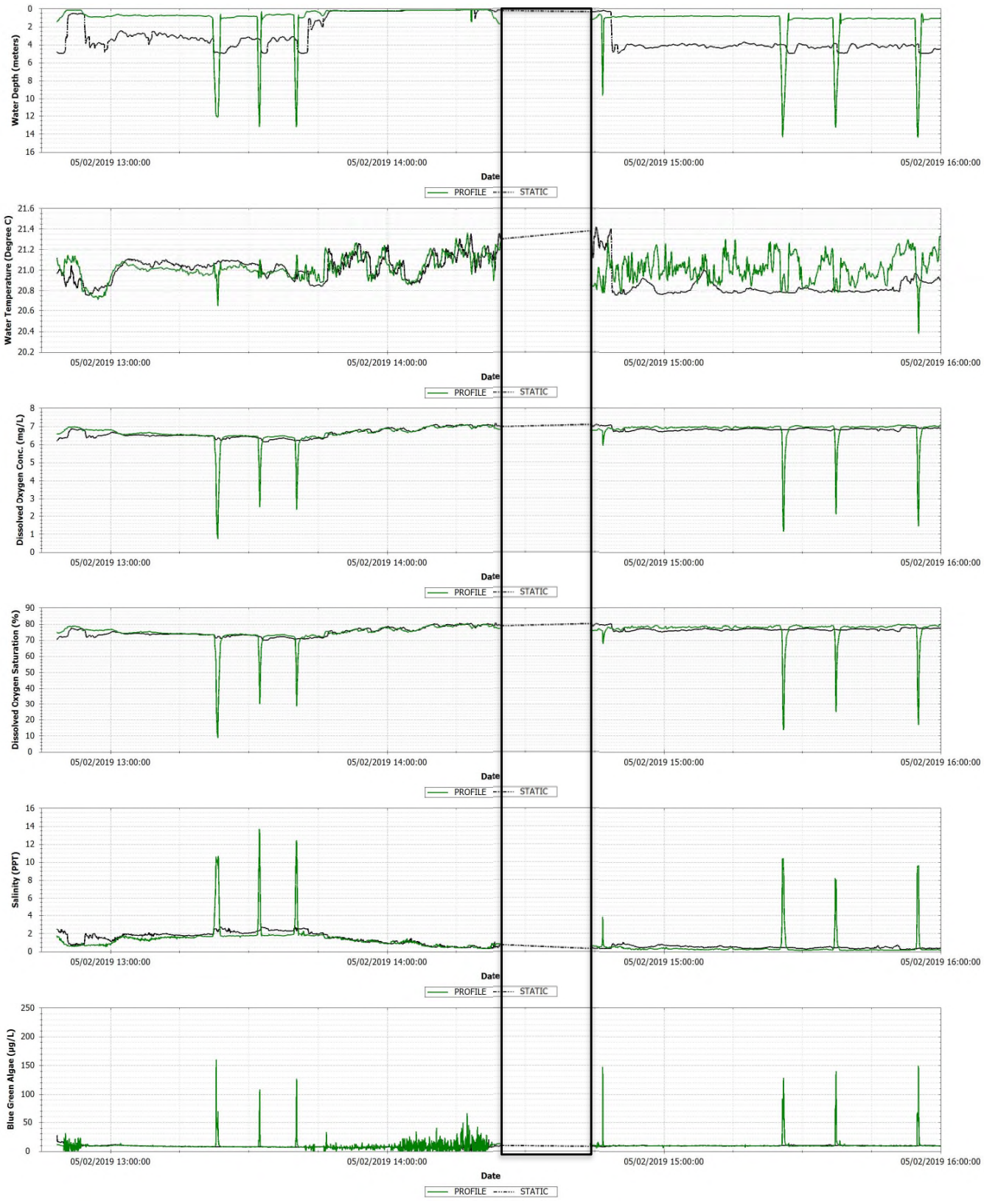


Figure C-381 Front River May 2, 2019 north buoy ebb tide stationary profile observations (LFR_050219_003)

Figure C-382 Front River May 2, 2019 south buoy ebb tide stationary profile observations (LFR_050219_004)

Figure C-383 Front River May 2, 2019 ebb tide two sonde combo profile location map (LFR_050219_001, LFR_050219_005, and LFR_050219_006)



Note black box identifies a period where plotting program is connecting two non-continuous periods (period in box is not measured)

Figure C-384 Front River May 2, 2019 ebb tide two sonde combo profile observations (LFR_050219_001, LFR_050219_005, and LFR_050219_006)

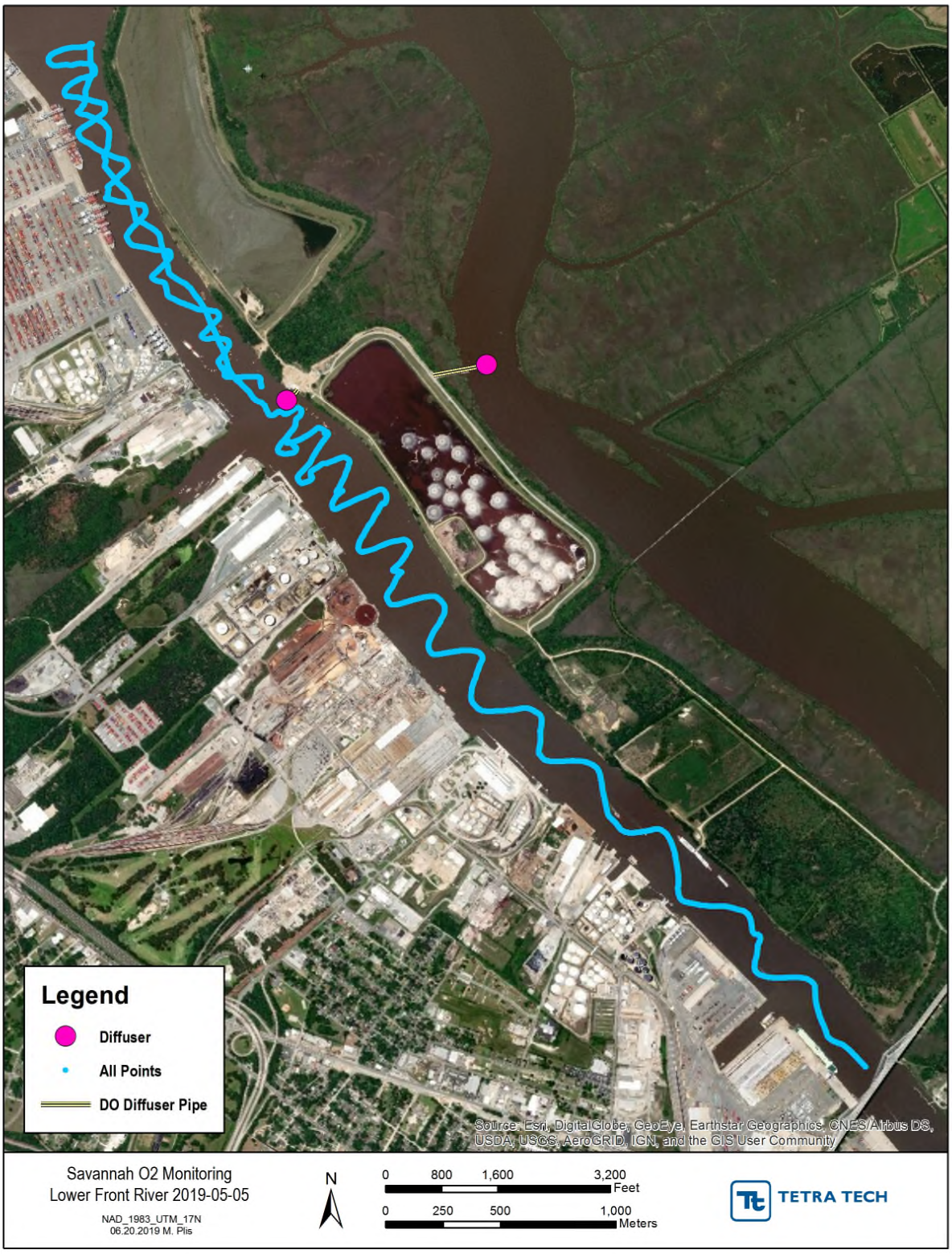


Figure C-385 Front River May 5, 2019 flood tide two sonde combo profile location map (LFR_050519_001 and LFR_050519_002)

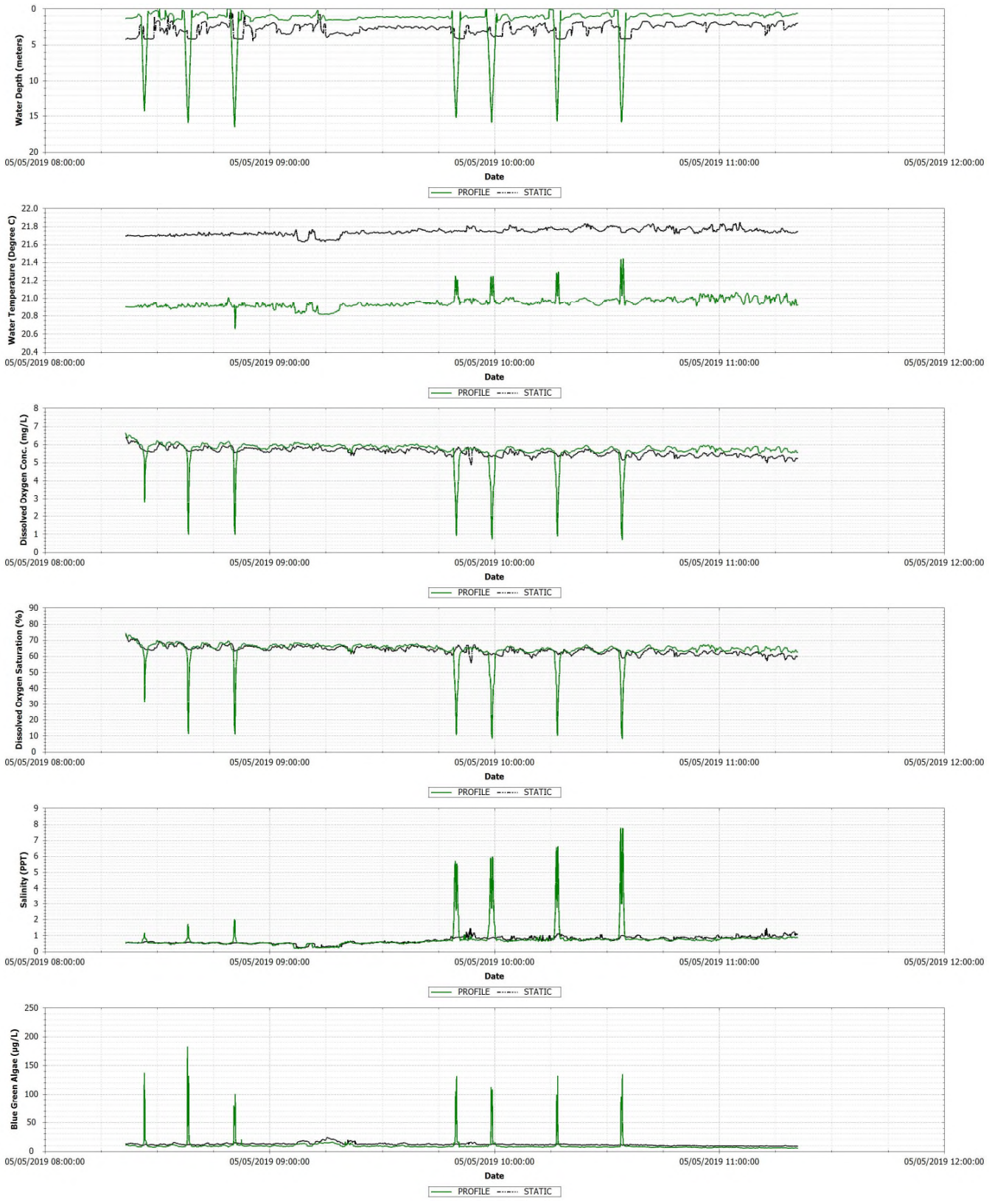


Figure C-386 Front River May 5, 2019 flood tide two sonde combo profile observations (LFR_050519_001 and LFR_050519_002)

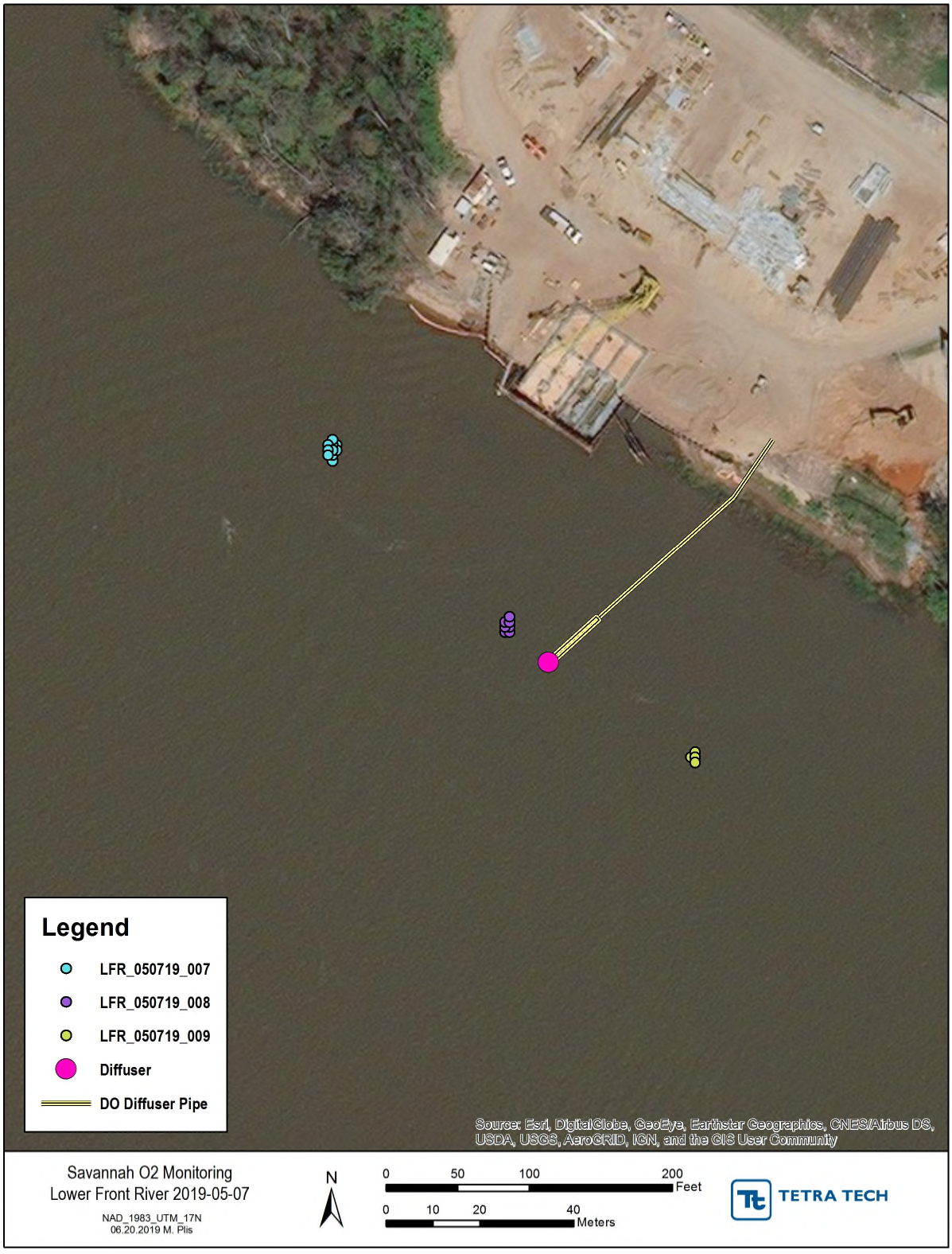


Figure C-387 Front River May 7, 2019 stationary profiles location map

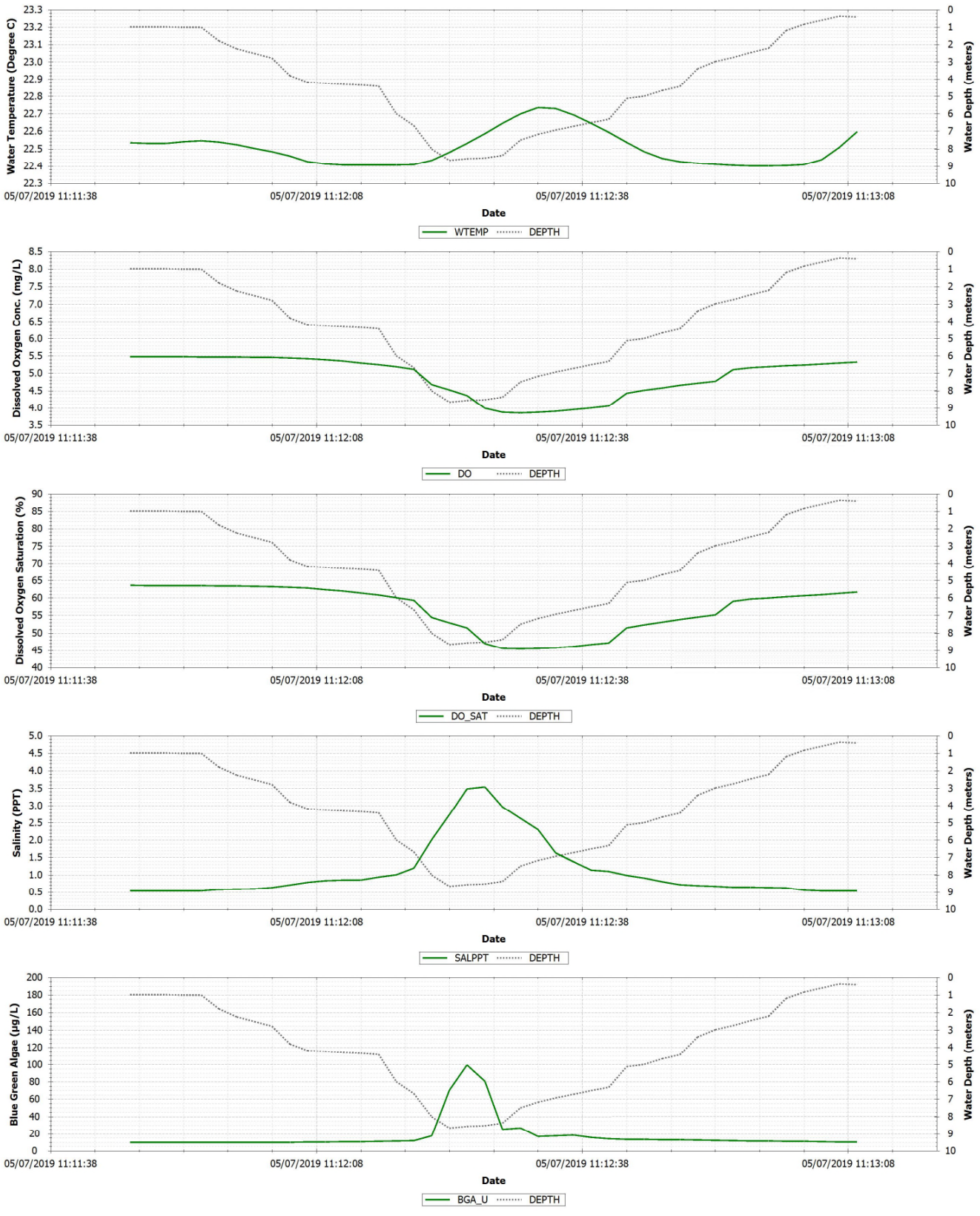


Figure C-388 Front River May 7, 2019 additional buoy flood tide stationary profile observations (LFR_050719_007)

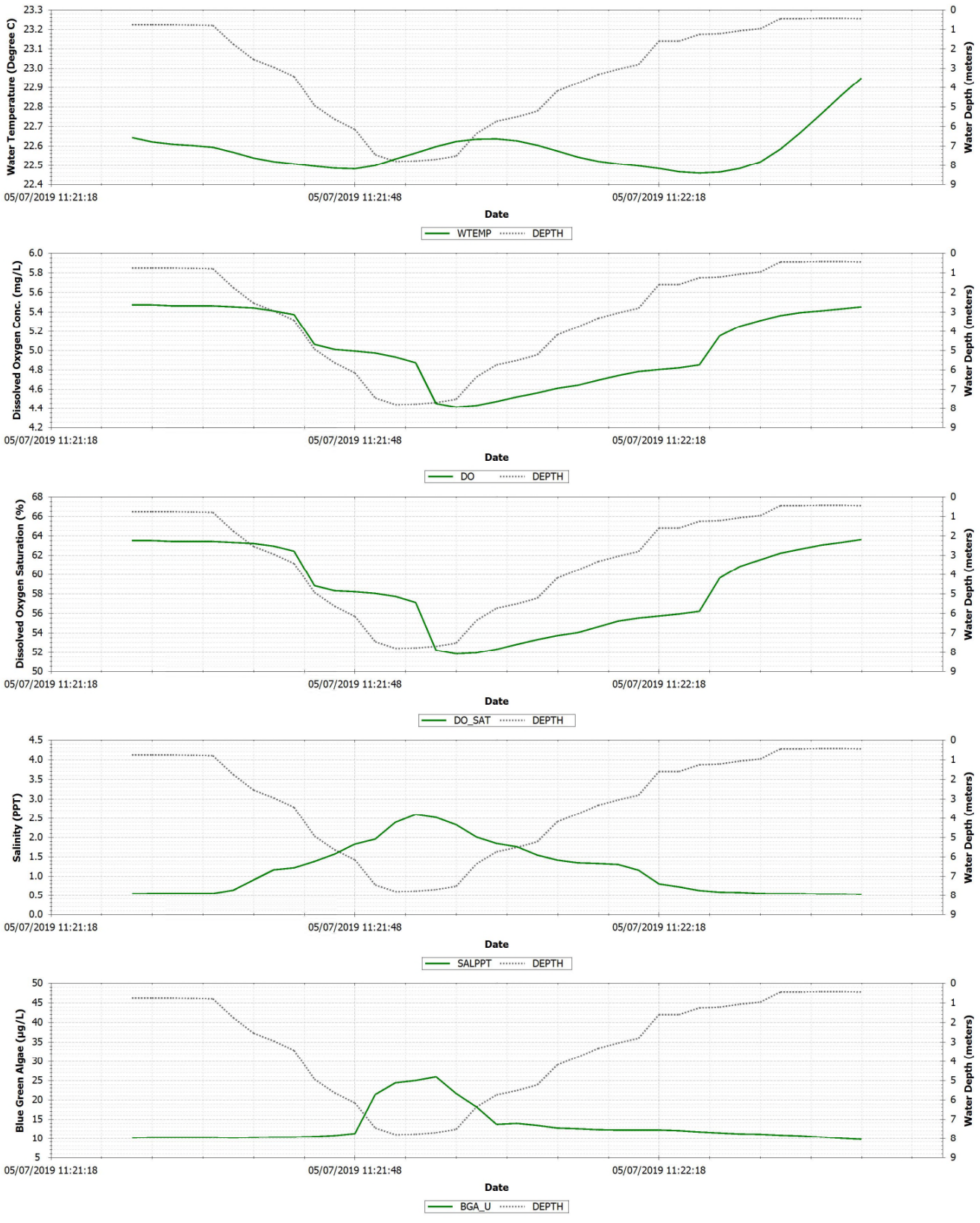


Figure C-389 Front River May 7, 2019 north buoy flood tide stationary profile observations (LFR_050719_008)

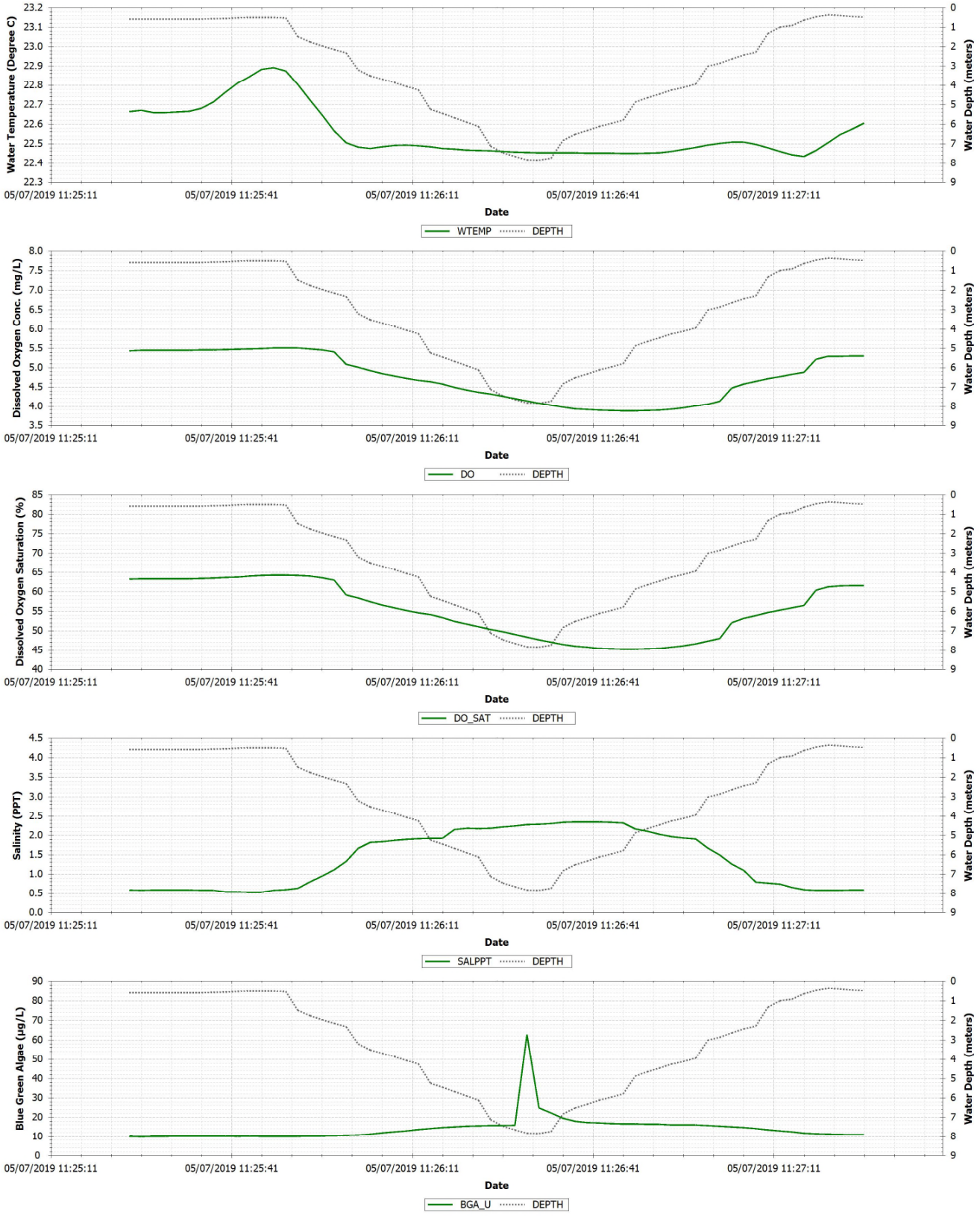


Figure C-390 Front River May 7, 2019 south buoy flood tide stationary profile observations (LFR_050719_009)

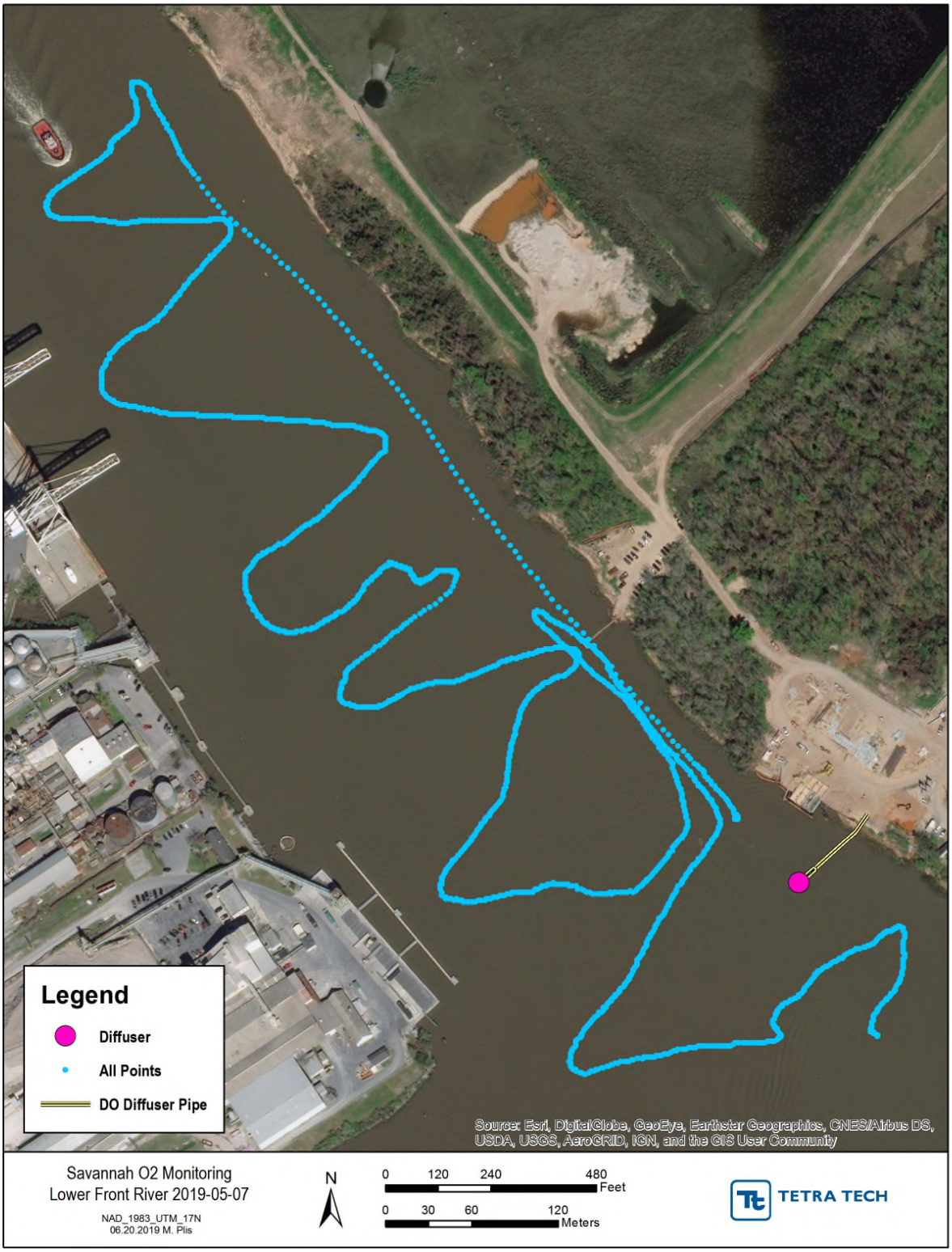
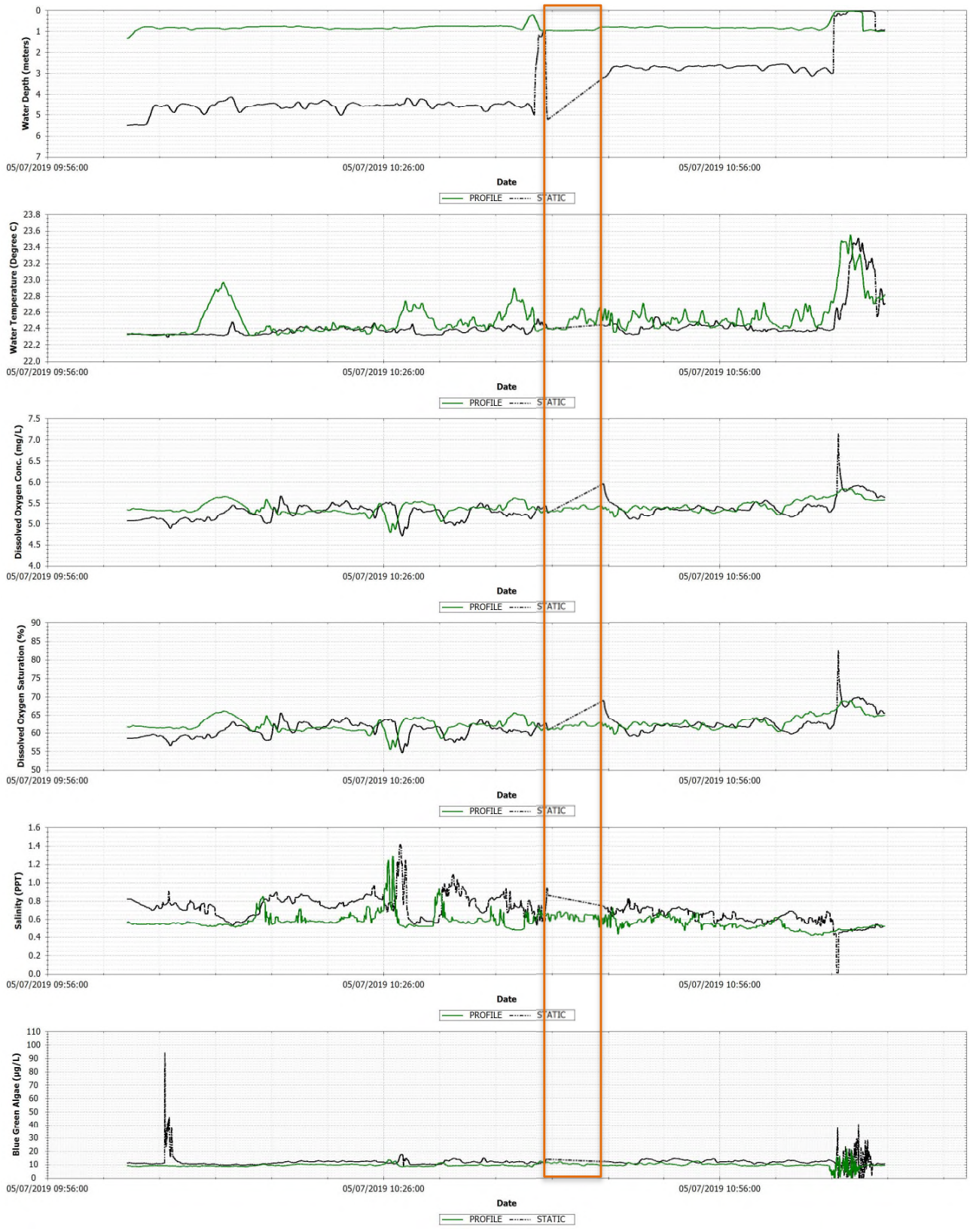


Figure C-391 Front River May 7, 2019 flood tide two sonde combo profile period 1 location map (LFR_050719_002 and LFR_050719_006)



Note orange box identifies a period where STATIC data were removed during QAQC process

Figure C-392 Front River May 7, 2019 flood tide two sonde combo profile period 1 observations (LFR_050719_002 and LFR_050719_006)

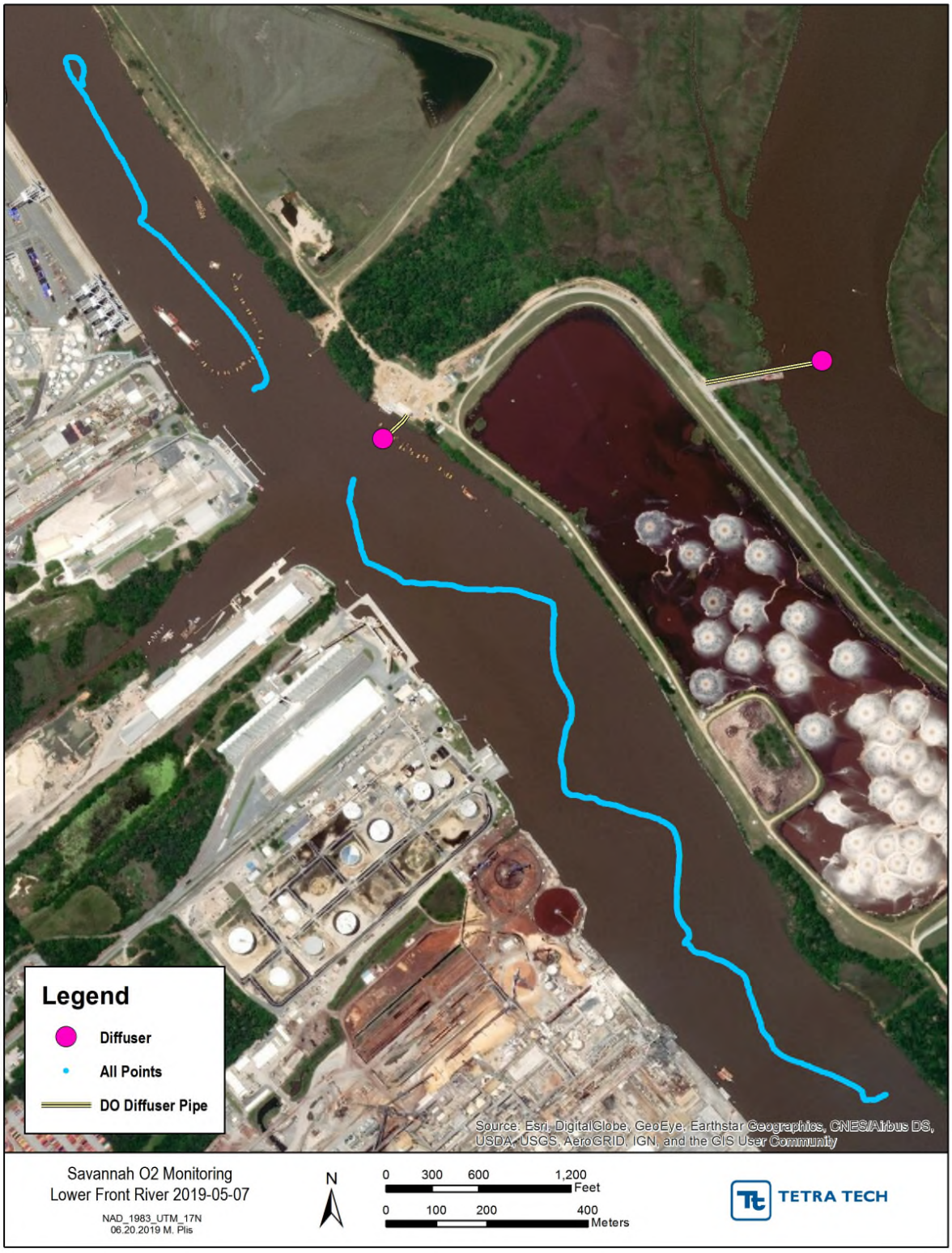


Figure C-393 Front River May 7, 2019 flood tide two sonde combo profile period 2 location map (LFR_050719_001, LFR_050719_004, and LFR_050719_005)

Figure C-394 Front River May 7, 2019 flood tide two sonde combo profile period 2 observations (LFR_050719_001, LFR_050719_004, and LFR_050719_005)

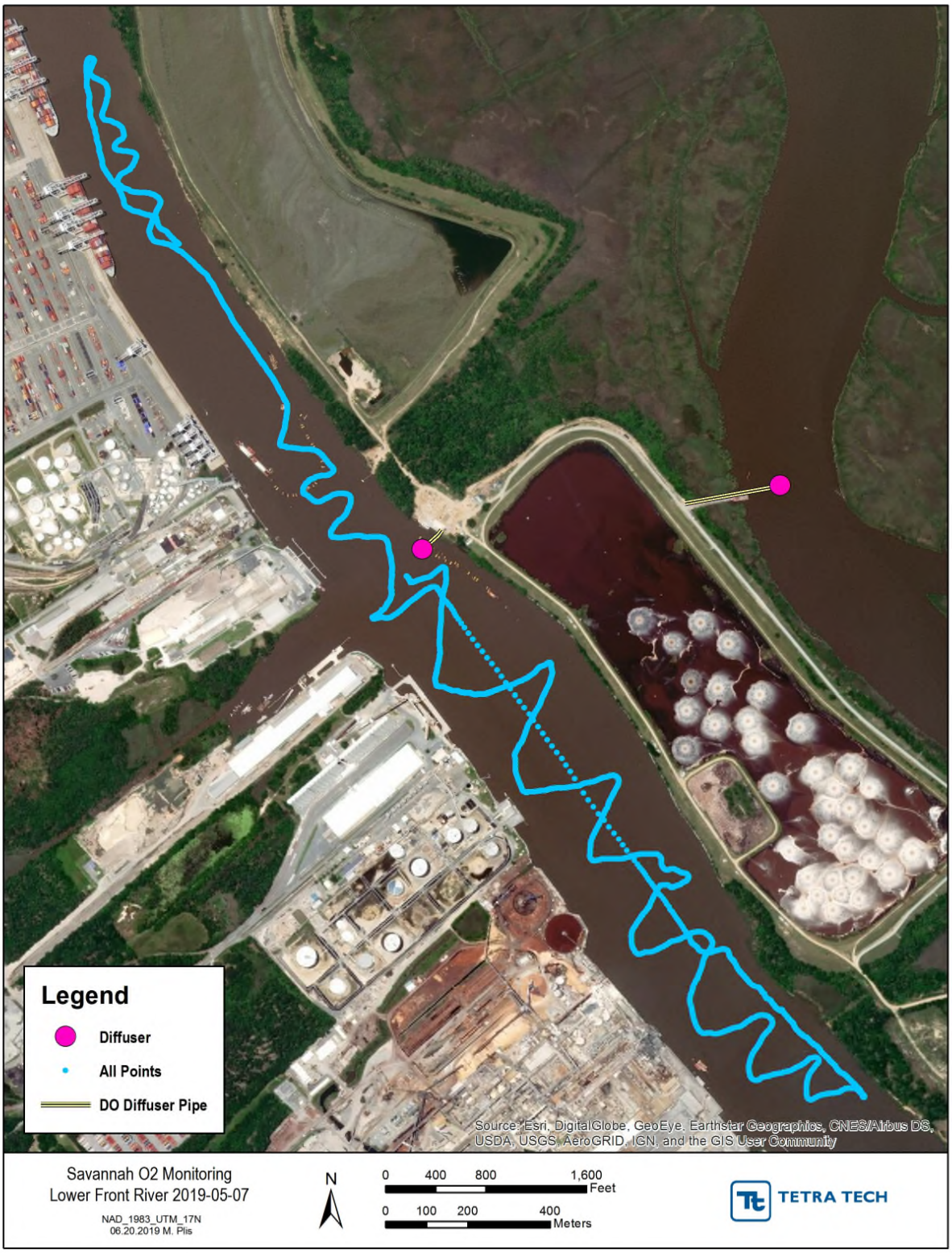


Figure C-395 Front River May 7, 2019 ebb tide two sonde combo profile location map (LFR_050719_003 and LFR_050719_010)

Note orange box identifies a period where data were removed during QAQC process

Figure C-396 Front River May 7, 2019 ebb tide two sonde combo profile observations (LFR_050719_003 and LFR_050719_010)

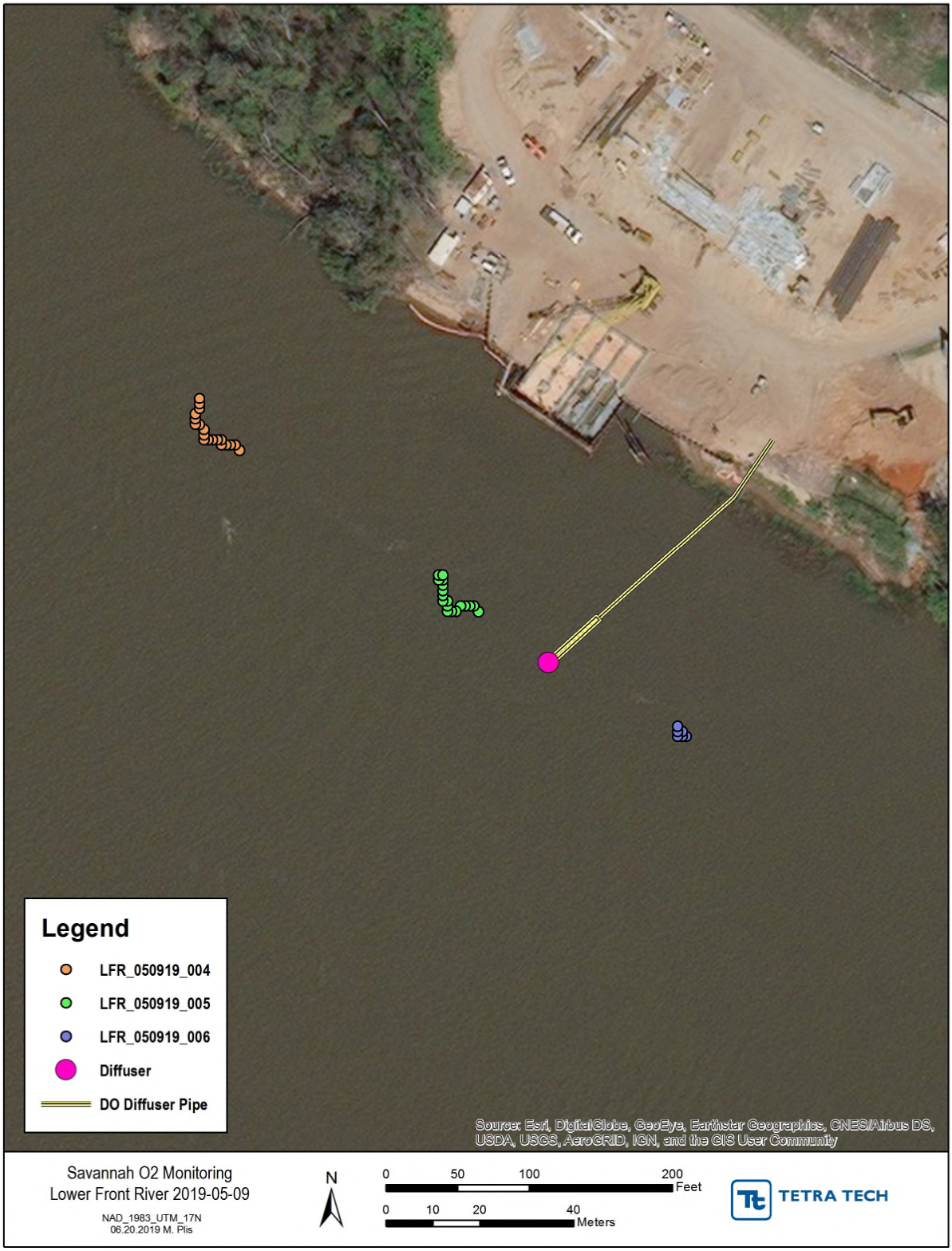


Figure C-397 Front River May 9, 2019 stationary profiles location map

Figure C-398 Front River May 9, 2019 additional buoy flood tide stationary profile observations (LFR_050919_004)

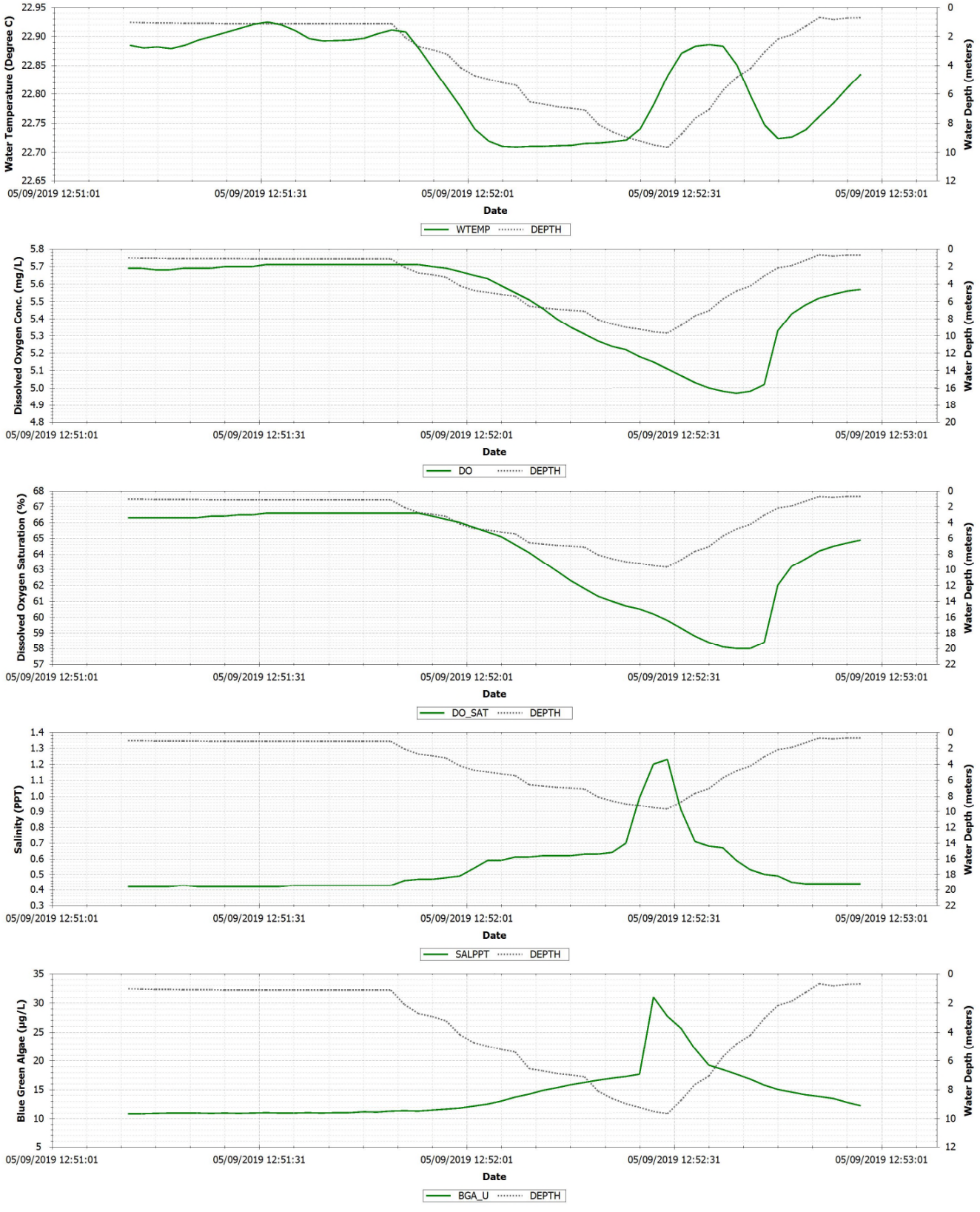


Figure C-399 Front River May 9, 2019 north buoy flood tide stationary profile observations (LFR_050919_005)

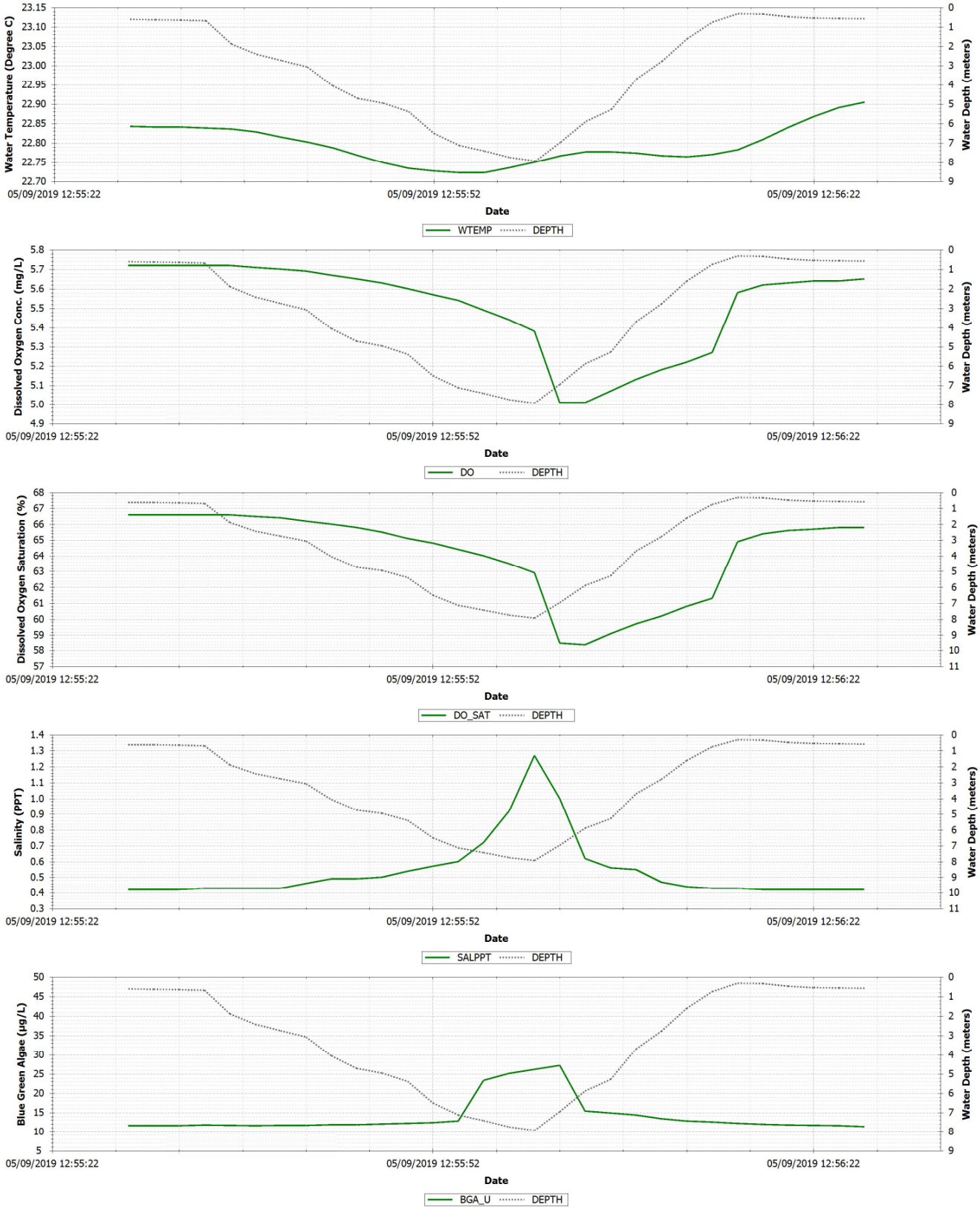


Figure C-400 Front River May 9, 2019 south buoy flood tide stationary profile observations (LFR_050919_006)

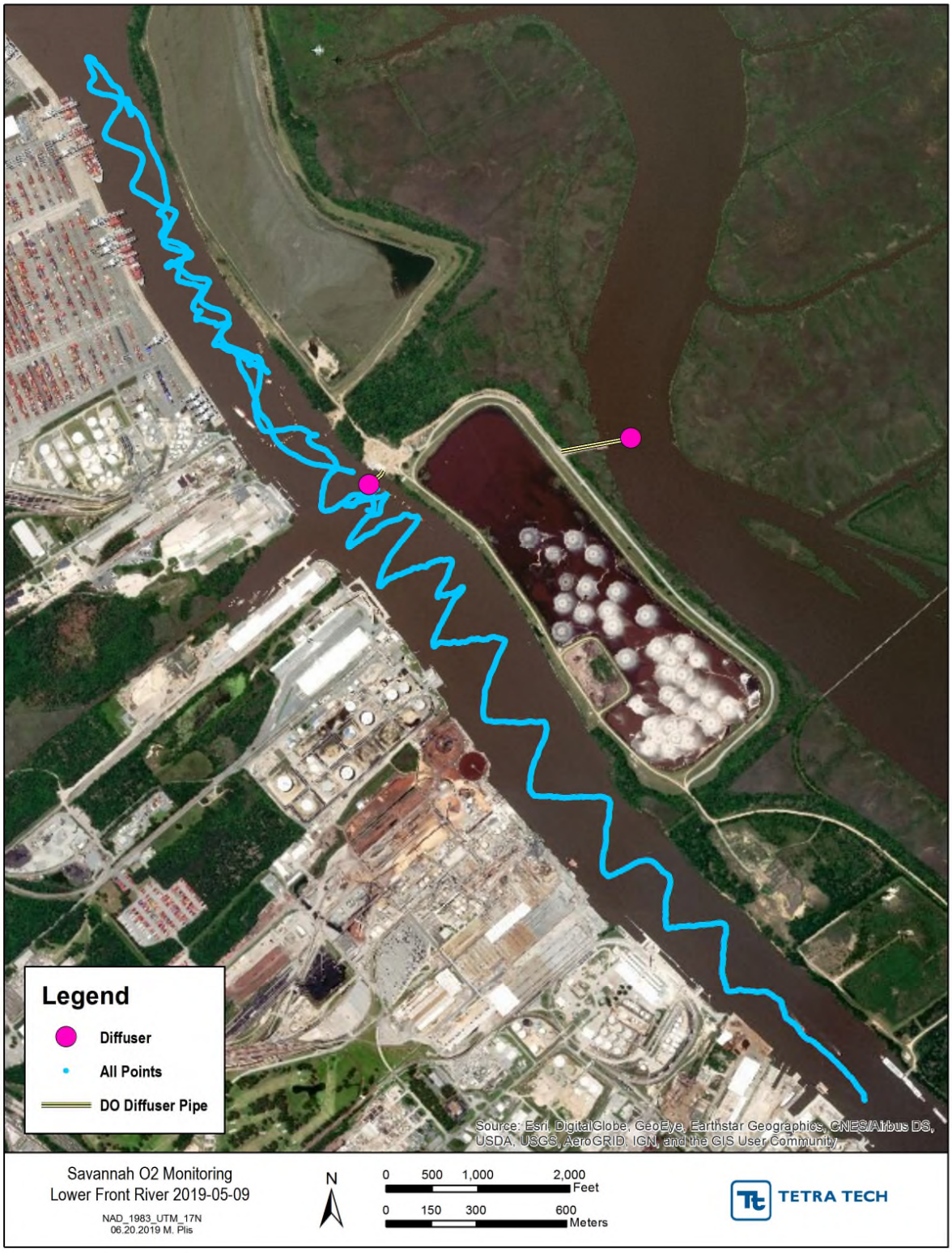
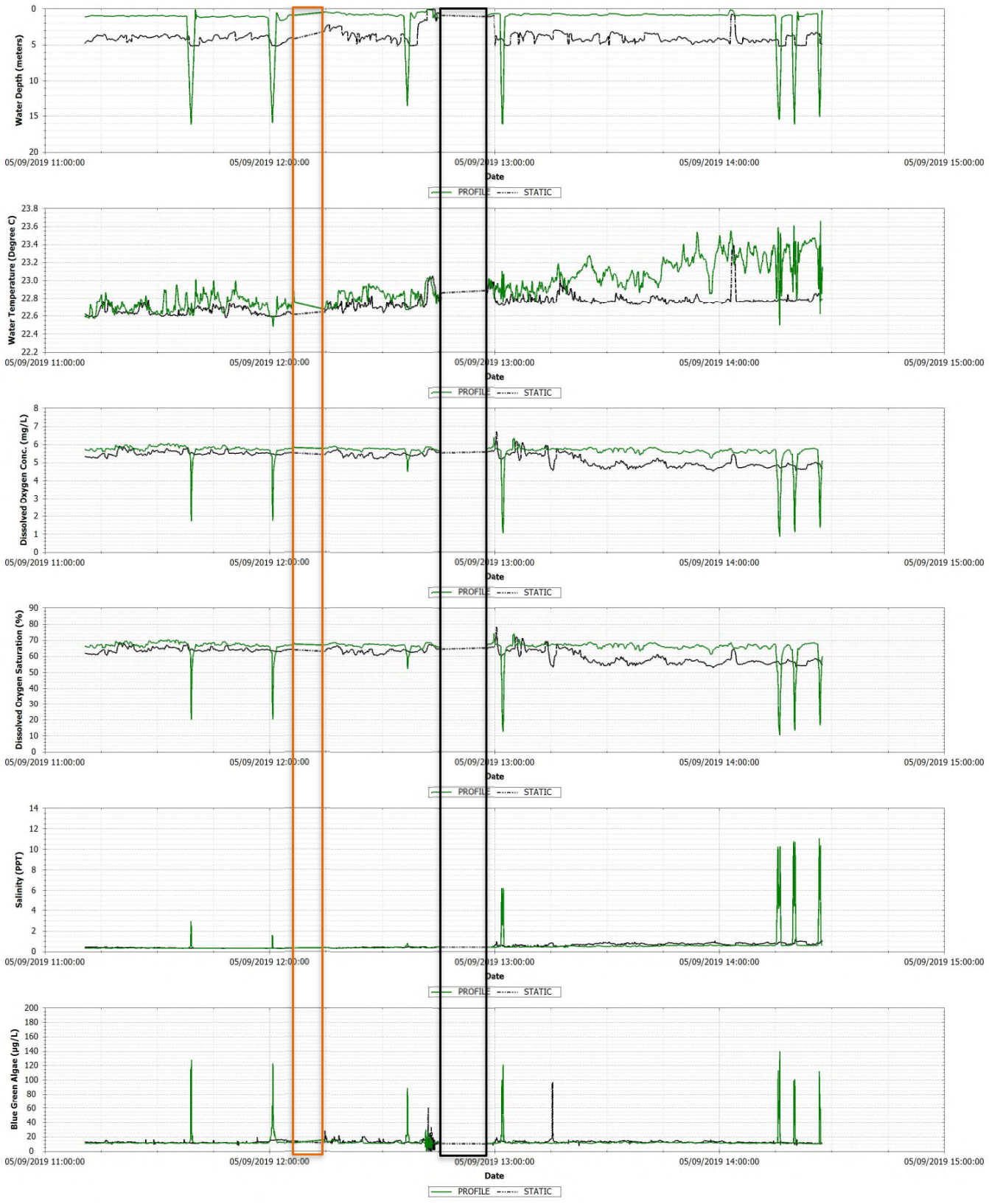


Figure C-401 Front River May 9, 2019 flood tide two sonde combo profile location map (LFR_050919_001, LFR_050919_002, and LFR_050919_003)



Note orange box identifies a period where data were removed during QAQC process and black box identifies period of no data measurements

Figure C-402 Front River May 9, 2019 flood tide two sonde combo profile observations (LFR_050919_001, LFR_050919_002, and LFR_050919_003)