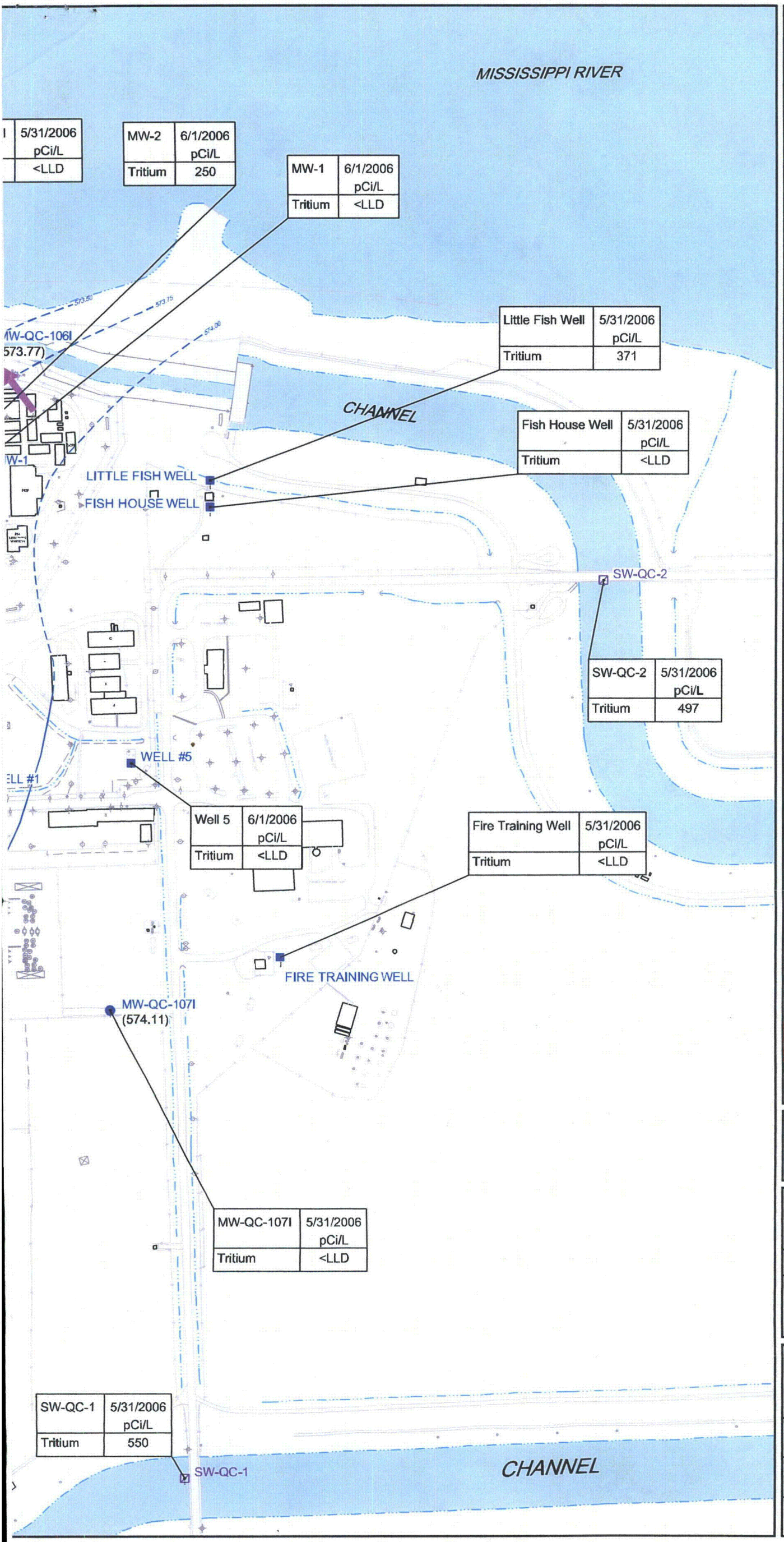

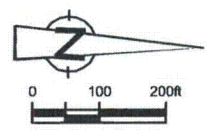

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- EDGE OF WATER
- FENCE LINE
- CULTIVATED FIELD
- DISCHARGE PIPES
- EXISTING PIPELINE
- UTILITY POLE
- TRANSFORMER
- TRANSMISSION TOWER
- MANHOLE
- CATCHBASIN
- FIRE HYDRANT
- WATER WELL LOCATION
- SW-QC-2 — SURFACE WATER SAMPLE LOCATION
- MW-QC-101I — MONITORING WELL LOCATION
  S - SHALLOW (15 ft.)
  I - INTERMEDIATE (25 ft.)
- (573.84) — GROUNDWATER ELEVATION (ft AMSL)
- 573.75 — POTENTIOMETRIC SURFACE CONTOUR (MAY 2006)
- GROUNDWATER FLOW DIRECTION
- 9410/9640 — PARENT SAMPLE/DUPLICATE SAMPLE

SW-QC-2	5/31/2006 pCi/L
Tritium	497

- MONITORING POINT
- SAMPLE DATE
- SAMPLE UNIT
- SAMPLE RESULT
- SAMPLE PARAMETER

PRELIMINARY DRAFT FOR AGENCY REVIEW
WITHHOLD FROM PUBLIC DISCLOSURE
UNDER 10 CFR 2.390(a)(9) AND AS
OFFICIAL USE ONLY - SENSITIVE INFORMATION

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

EXELON GENERATION COMPANY, LLC.

FLEETWIDE ASSESSMENT

TRITIUM CONCENTRATIONS - GROUNDWATER
QUAD CITIES GENERATING STATION
CORDOVA, ILLINOIS

Exelon

CRA CONESTOGA-ROVERS & ASSOCIATES

Source Reference:			
Project Manager: S. QUIGLEY	Reviewed By: M. KELLY	Date: APRIL 2006	
Scale: AS SHOWN	Project N º: 45136-28	Report N º: PRES006	Drawing N º: figure 1

45136-28(PRES006)GN-WA001 JUN 16/2006

V-5

PRELIMINARY DRAFT FOR AGENCY REVIEW
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MW-QC-104S	6/1/2006 pCi/L
Tritium	262

MW-QC-105I	6/1/2006 pCi/L
Tritium	<LLD

MW-QC-103I	6/1/2006 pCi/L
Tritium	<LLD/<LLD

MW-QC-106S	5/31/2006 pCi/L
Tritium	<LLD

MW-QC-
Tritium

STP Sand Point Well	6/1/2006 pCi/L
Tritium	<LLD

STP SAND POINT WELL

Big Fish Well	6/1/2006 pCi/L
Tritium	740

BIG FISH WELL

MW-QC-108S	5/31/2006 pCi/L
Tritium	1460

MW-QC-108S

DISCHARGE BAY

MW-QC-103I (573.09)

MW-QC-105I (572.93)

MW-QC-106S

FISH HOUSE

CRIBHOUSE

RADWASTE

LTD BUILDING

MW-QC-104S

TURBINE BUILDING

MAUSOLEUM

TURBINE ROTORS

SERVICE BUILDING

MW-QC-102I (572.77)

MW-QC-102S

REACTOR BUILDING

MW-QC-10 (573.84)

MW-QC-101S

DRY CASK STORAGE WELL

Dry Cask Storage Well	6/1/2006 pCi/L
Tritium	<LLD

MW-QC-102S	5/31/2006 pCi/L
Tritium	9410/9640

MW-QC-102I	5/31/2006 pCi/L
Tritium	32600/31800

MW-QC-101S	6/1/2006 pCi/L
Tritium	<LLD

MW-QC-101I	6/1/2006 pCi/L
Tritium	<LLD

Well 1	6/1/2006 pCi/L
Tritium	<LLD

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