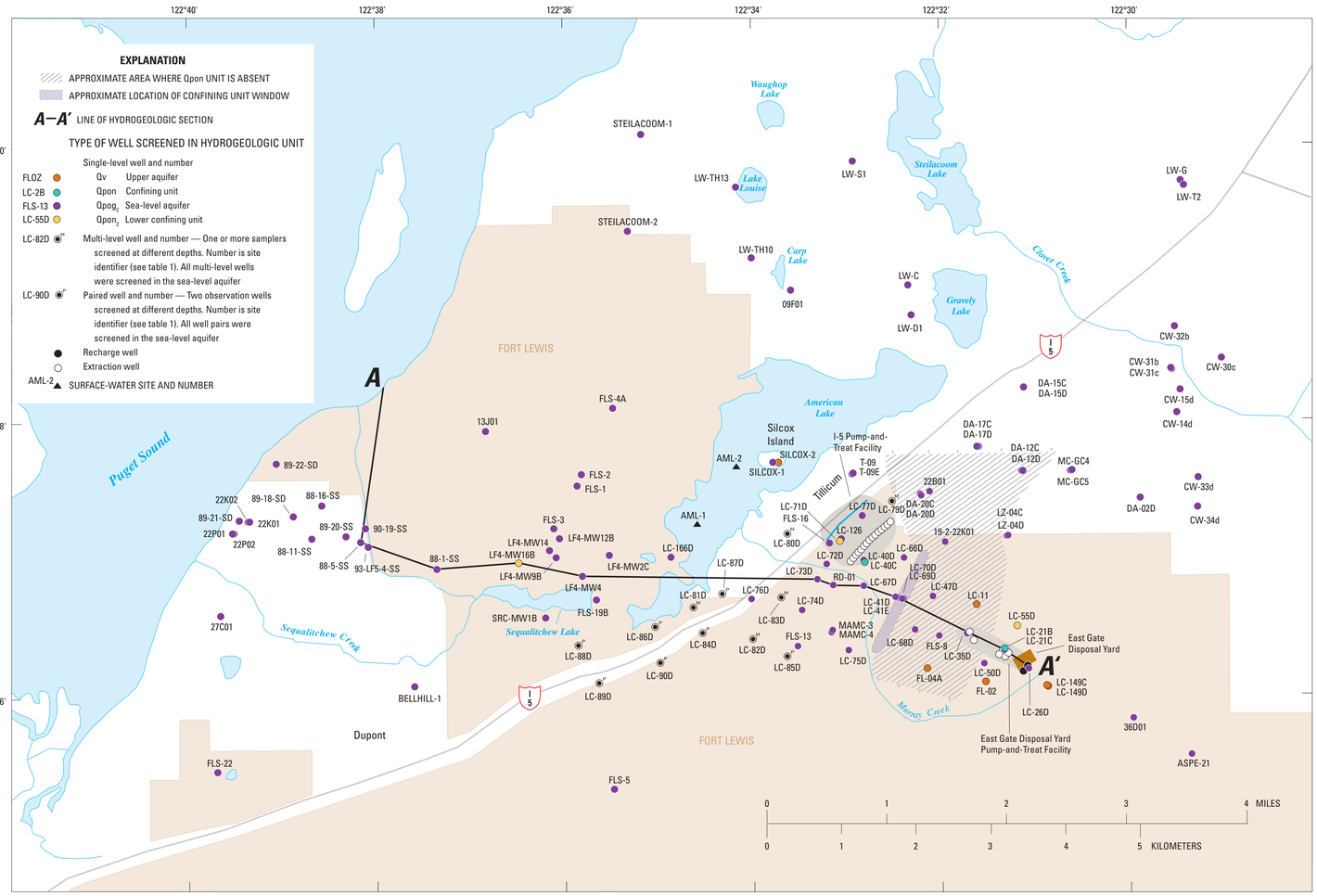
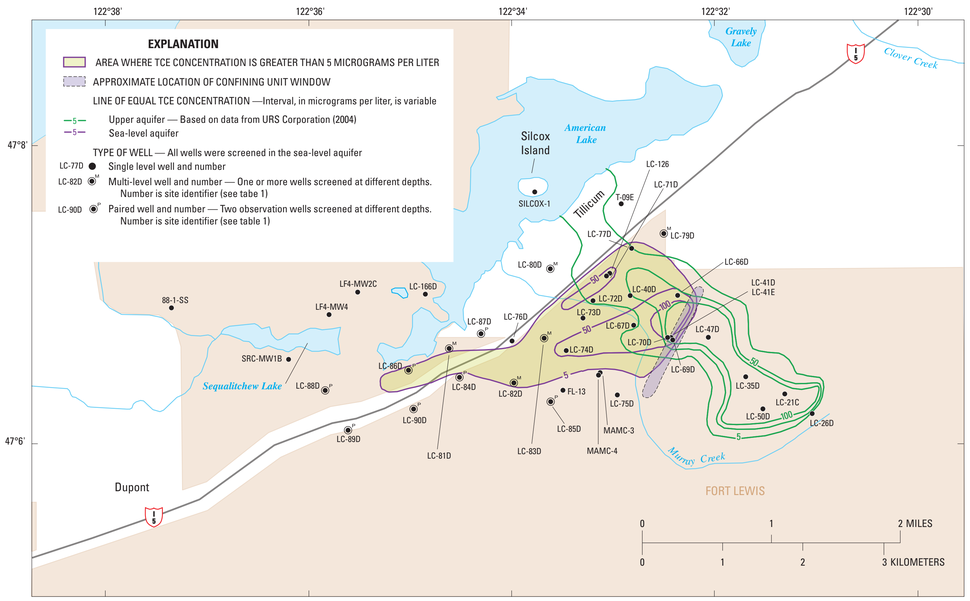
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
FORT LEWIS PUBLIC WORKS

SCIENTIFIC INVESTIGATIONS REPORT 2005-5035
Data-collection sites, hydrogeologic section, and TCE contamination—PLATE 1
Dinicola, R.S., 2005, Hydrogeology and trichloroethene contamination in the sea-level aquifer beneath the Logistics Center, Fort Lewis, Washington





Well No.	Trichloroethene (micrograms per liter)
88-1-SS	<0.1
FLS-13	.6
LC-126	67
LC-166D	<.1
LC-21C	<.1
LC-26D	<.1
LC-35D	<.1
LC-40D	19
LC-41D	170
LC-41E	<1
LC-47D	<.1

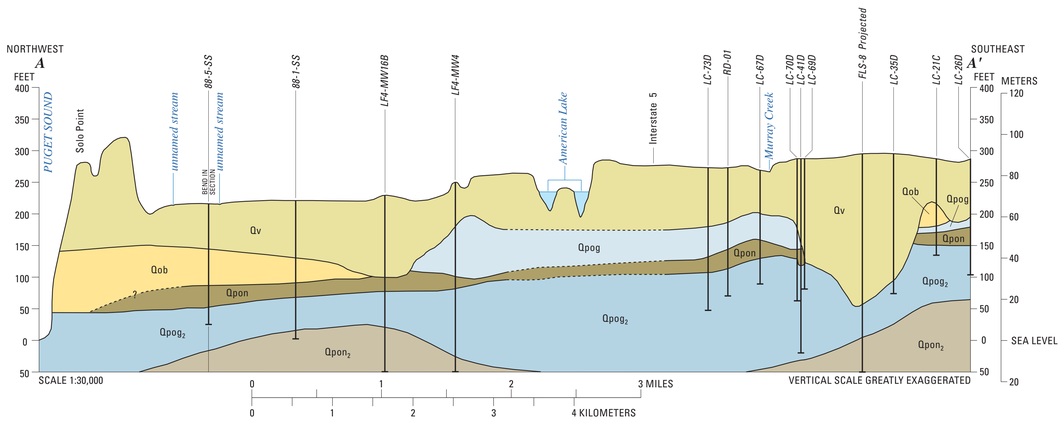
Well No.	Trichloroethene (micrograms per liter)
LC-50D	<0.2
LC-66D	55
LC-67D	53
LC-69D	160
LC-70D	.4
LC-71D	<.1
LC-72D	24
LC-73D	37
LC-74D	61
LC-75D	.8
LC-76D	<.1

Well No.	Trichloroethene (micrograms per liter)
LC-77D	10
LC-79D-1	<.2
LC-79D-2	<.2
LC-79D-3	<.2
LC-79D-4	<.2
LC-80D-1	<.2
LC-80D-2	<.2
LC-80D-3	<.2
LC-81D-1	3.9
LC-81D-2	4.8
LC-81D-3	2.9

Well No.	Trichloroethene (micrograms per liter)
LC-81D-4	<0.2
LC-82D-1	6.4
LC-82D-3	.4
LC-82D-4	2.3
LC-83D-1	44
LC-83D-2	15
LC-83D-3	11
LC-83D-4	.8
LC-84D-1	3.1
LC-84D-2	1
LC-85D-1	<1

Well No.	Trichloroethene (micrograms per liter)
LC-85D-2	<1
LC-86D-1	6.8
LC-86D-2	5.7
LC-87D-1	<1
LC-87D-2	<1
LC-88D-1	1.7
LC-88D-2	1.3
LC-89D-1	<1
LC-89D-2	<1
LC-90D-1	2.1
LC-90D-2	<1

Well No.	Trichloroethene (micrograms per liter)
LF4-MW2C	0.3
LF4-MW4	<.1
MAMC-3	2.6
MAMC-4	<.1
SILCOX-1	<.1
SRC-MW1B	<.1
T-09E	1.1



EXPLANATION

HYDROGEOLOGIC UNIT—Adapted from Borden and Troost (2001)

- Qv — Vashon Drift
- Qob — Olympia beds
- Qpog — Pre-Olympia glacial drift
- Qpon — Second nonglacial deposits
- $Qpog_2$ — Third glacial drift
- $Qpon_2$ — Third nonglacial deposits

HYDROGEOLOGIC CONTACT—Dashed where inferred; queried where least certain

LF4-MW16B — WELL AND NUMBER

Area of map showing wells in Fort Lewis and surrounding area.

Base from U.S. Geological Survey digital data, 1:100,000, 1983
Universal Transverse Mercator projection, Zone 10, Datum NAD27

MAP SHOWING LOCATION OF DATA-COLLECTION SITES, HYDROGEOLOGIC SECTION, AND TCE CONTAMINATION, FORT LEWIS, WASHINGTON

By
R.S. Dinicola
2005