

US Army Corps
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Buffalo District
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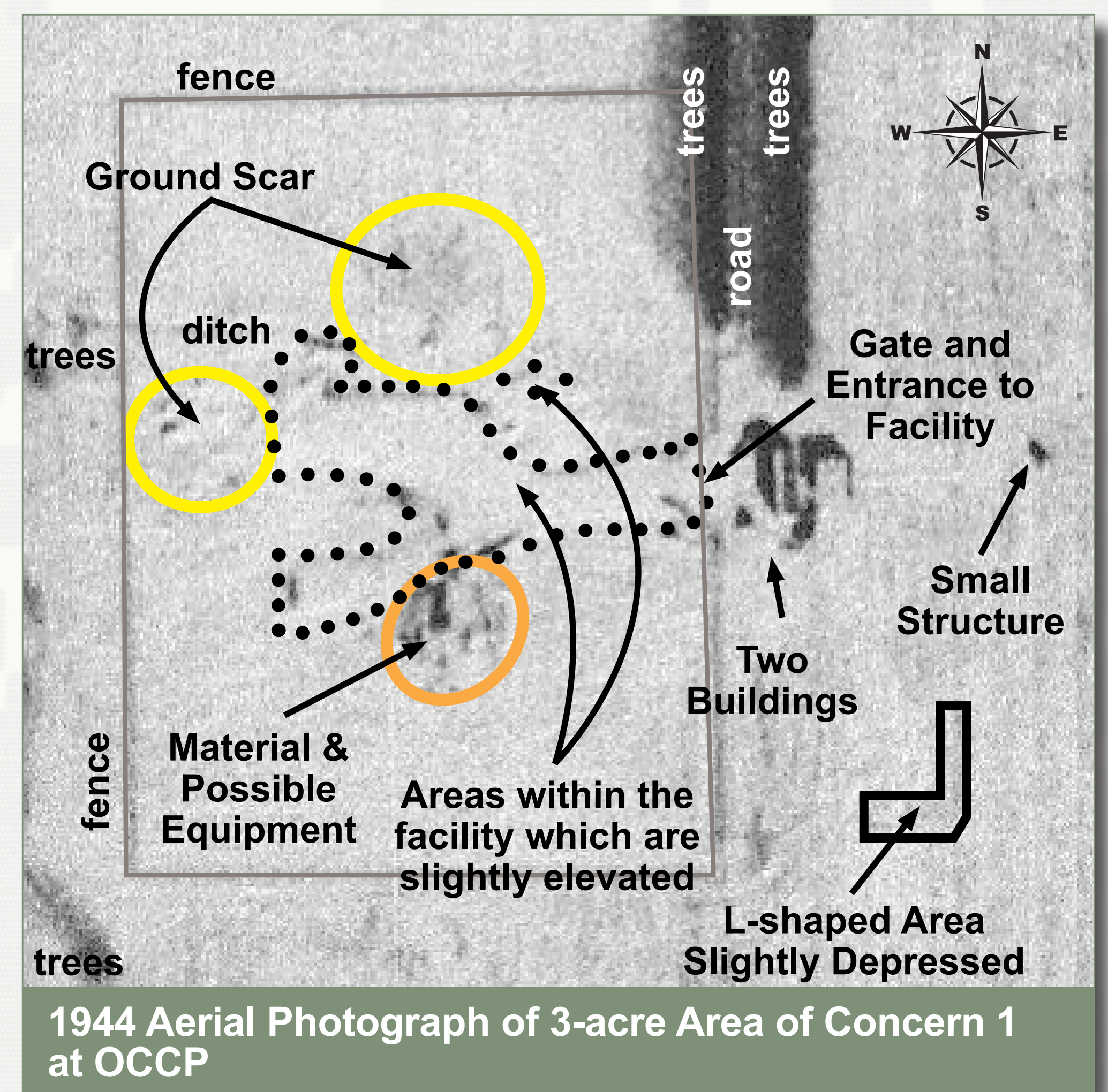
Timelines for the Lake Ontario Ordnance Works and Occidental Chemical Corporation Property

Lake Ontario Ordnance Works

- 1942** War Department purchases 7,500 acres for Lake Ontario Ordnance Works (LOOW) in Towns of Lewiston and Porter. Trinitrotoluene (TNT) production plant and support facilities built on 2,500-acre developed zone. Remaining acres buffer zone around the plant. Plant operates for nine months.
- 1943** TNT plant decommissioned.
- 1945** Buffer zone excessed to General Service Administration for disposal to private landowners.
- 1986** Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS) was initiated to address contamination from Department of Defense (DoD) activities on sites DoD no longer owned as of October 1, 1986.
- 1986** U.S. Army Corps of Engineers, Kansas City District, develops inventory of DoD-impacted properties nationwide.
- 1992** Corps of Engineers completes Preliminary Contamination Assessment Report, Operable Unit No. 2 at LOOW.
- 1993/1994** Responsibility for LOOW DERP-FUDS investigations transfers to Corps of Engineers, New York District.
- 1998** Corps of Engineers, Buffalo District, begins LOOW environmental restoration projects under DERP-FUDS. History search report identifies types and locations of past DoD operations there.
- 1999** Corps of Engineers completes LOOW Phase I remedial investigation.
- 1999** Corps of Engineers performs an interim removal action on portions of LOOW TNT pipeline.
- 2002** U.S. Army Topographic Engineering Center completes Examination of Historical Aerial Photography--Selected Sites, Former LOOW.
- 2002** Corps of Engineers completes LOOW Phase II remedial investigation.
- 2004** Corps of Engineers completes investigation of anomalies identified in historic aerial photography classified as small-bermed clearings (SBCs). Corps of Engineers suspects SBCs were open burn pits for explosives and ordnance disposal. Corps of Engineers samples subset of SBCs for compounds related to such activity.
- 2004/2008** Corps of Engineers conducts Phase III remedial investigation of underground utilities across LOOW.
- 2008** Corps of Engineers completes human health risk and screening-level ecological risk assessments on 10 potential DoD-impacted areas across LOOW that warrant further evaluation.
- 2009** Corps of Engineers publishes LOOW management action plan (includes OCCP).
- 2013** Corps of Engineers updates LOOW management action plan (includes OCCP).
- 2015** Corps of Engineers updates LOOW management action plan (includes OCCP).

Occidental Chemical Corporation Property

- 1942** War Department purchases 304-acre parcel, now known as Occidental Chemical Corporation Property (OCCP), as part of the LOOW buffer zone.
- 1945** OCCP excessed to General Service Administration for disposal to private land owners.
- 1975** Hooker Chemical and Plastics Corporation purchases property from private landowner.



- 2002** Analysis of 1944 photo above presumes Area of Concern (AOC) 1 was used as a storage area; 1952 photo analysis indicates AOC 1 disturbed ground.
- 2002** Soil samples were collected from surface and subsurface in AOC 1 during Phase II remedial investigation. Concentrations of lead and TNT greater than health-based or project screening criteria found around fill that contained deteriorated 55-gallon, steel drums generally confined to a central 55 x 100-foot portion of the AOC.
- 2004** OCCP has two SBCs. No TNT detected there. Other constituents detected comparable to normal levels in the environment. Results suggest SBCs not used as burn pits. No further action warranted under DERP-FUDS.
- 2004/2008** The 30-inch outfall traversing OCCP is least impacted of all lines in Phase III remedial investigation. No unacceptable risks from exposure to constituents measured in soil beneath line or from wastewater within line found.
- 2008** Corps of Engineers designates AOC 1 as Exposure Unit (EU) 8; conducts initial risk evaluation. Potential for unacceptable risk at EU 8 based on the 10 samples obtained during the Phase II remedial investigation.
- 2013** Corps of Engineers releases comprehensive remedial investigation report for OCCP, which greatly expands scope of sampling and evaluation; recommends a feasibility study of AOC 1 (EU 8) only.
- 2015** Corps of Engineers releases feasibility study of remedial alternatives to address contaminants in OCCP AOC 1.
- 2016** Corps of Engineers releases proposed plan; identifies excavation and off-site disposal to address contaminated soils as preferred alternative for AOC 1 of OCCP.