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FINAL
RCRA FACILITY ASSESSMENT REPORT
U.S. ARMY YAKIMA TRAINING CENTER
YAKIMA, WASHINGTON
EPA I.D. NO. WAD 821405 3995

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1.0 INTRODUCTION

This section of the RCRA Facility Assessment Report outlines the purpose and scope of the RCRA Facility Assessment (RFA). Other report sections are also described.

1.1 PURPOSE AND SCOPE OF THE RFA PROGRAM

The 1984 Hazardous and Solid Waste Amendments (HSWA) to the Resource Conservation and Recovery Act (RCRA) provide authority to the Environmental Protection Agency (EPA) to require comprehensive corrective action on all solid waste management units (SWMUs) and other areas of concern (AOCs) at interim status hazardous waste management facilities where a release(s) of hazardous constituents has occurred. These include RCRA interim status facilities, those applying for Part B permits, and those undergoing closure. The intent of this authority is to address previously unregulated constituents released to air, surface water, groundwater, and soil, as well as the generation of subsurface gases.

A major activity of the EPA's corrective action program consists of the RFA. According to the EPA's RCRA Facility Assessment Guidance Document (1), the purposes of the RFA are to:

1. Identify and gather information on releases at RCRA-regulated facilities;
2. Evaluate solid waste management units (SWMUs) and other areas of concern (AOCs) for releases to all media and regulated units for releases to media other than groundwater;
3. Make preliminary determinations regarding releases of concern and the need for further actions and interim measures at the facility; and
4. Screen from further investigation those SWMUs which do not pose a threat to human health or the environment.

The three basic steps of the RFA consist of a preliminary review (PR) of existing files and other generally available information, a visual site inspection (VSI) to confirm and/or obtain additional information on past or present releases, and when warranted, a sampling visit to fill data gaps by obtaining field and analytical data.

2.0 FACILITY DESCRIPTION

2.1 LOCATION AND HISTORY

The U.S. Army Yakima Training Center (YTC) is located approximately 5 miles north of the City of Yakima, Washington (Figure 1). The facility occupies 261,451 acres with a Cantonment Area occupying approximately 1,000 acres. The majority of the support services and maintenance activities take place in the Cantonment Area. The Washington Army National Guard MATES and the Marine and Army Reserve Centers are all located in the Cantonment Area. Other areas located throughout the YTC include an active landfill, an old Cantonment Area, a white phosphorus pit, the Yakima Research Station (YRS), Range Control, the Central Impact Area, the Multipurpose Range Complex (MRPC), and Range 14 UMTU (Figure 2). The sewage treatment plant is located approximately 0.5 miles west of the Cantonment Area outside the facility boundary. (2,3)

YTC was used for training artillery, infantry, and engineering units, during World War II. In 1941 and 1942, the U.S. Army leased 160,000 acres from a variety of groups including private individuals, county, state, and federal agencies. Prior to 1941, the land was used for ranching and mining operations. The first encampment was located in temporary buildings in the old Cantonment Area, where concrete slabs and foundations remain. In 1942 and 1943, another temporary encampment was constructed in the current Cantonment Area. The current Cantonment Area was constructed in 1951, during the Korean War. During 1950 and 1951, YTC acquired additional land to expand the facility to approximately 261,000 acres. Since that time, the balance of the land has been acquired to include the 261,451 acres with an additional 65,000 acres along the northern side currently in the process of being acquired. (2)

There are approximately 40 residents at the facility and a working population of 150 to 200. The facility can accommodate up to 30,000 soldiers per day with an average of 2,500 soldiers per day. (2)

2.2 IDENTIFICATION OF SOLID WASTE MANAGEMENT UNITS

During the course of this assessment, 77 solid waste management units (SWMUs) and 38 Areas of Concern (AOCs) were identified. These are listed below in Table 1. Locations of the SWMUs and AOCs are shown on Figures 2, 3, and 4.

2.3 FACILITY OPERATIONS

The facility can be divided between the Cantonment Area and the Down Range Area. In the Cantonment Area there are currently five areas where vehicle maintenance occurs: the Main Motor Pool Area,

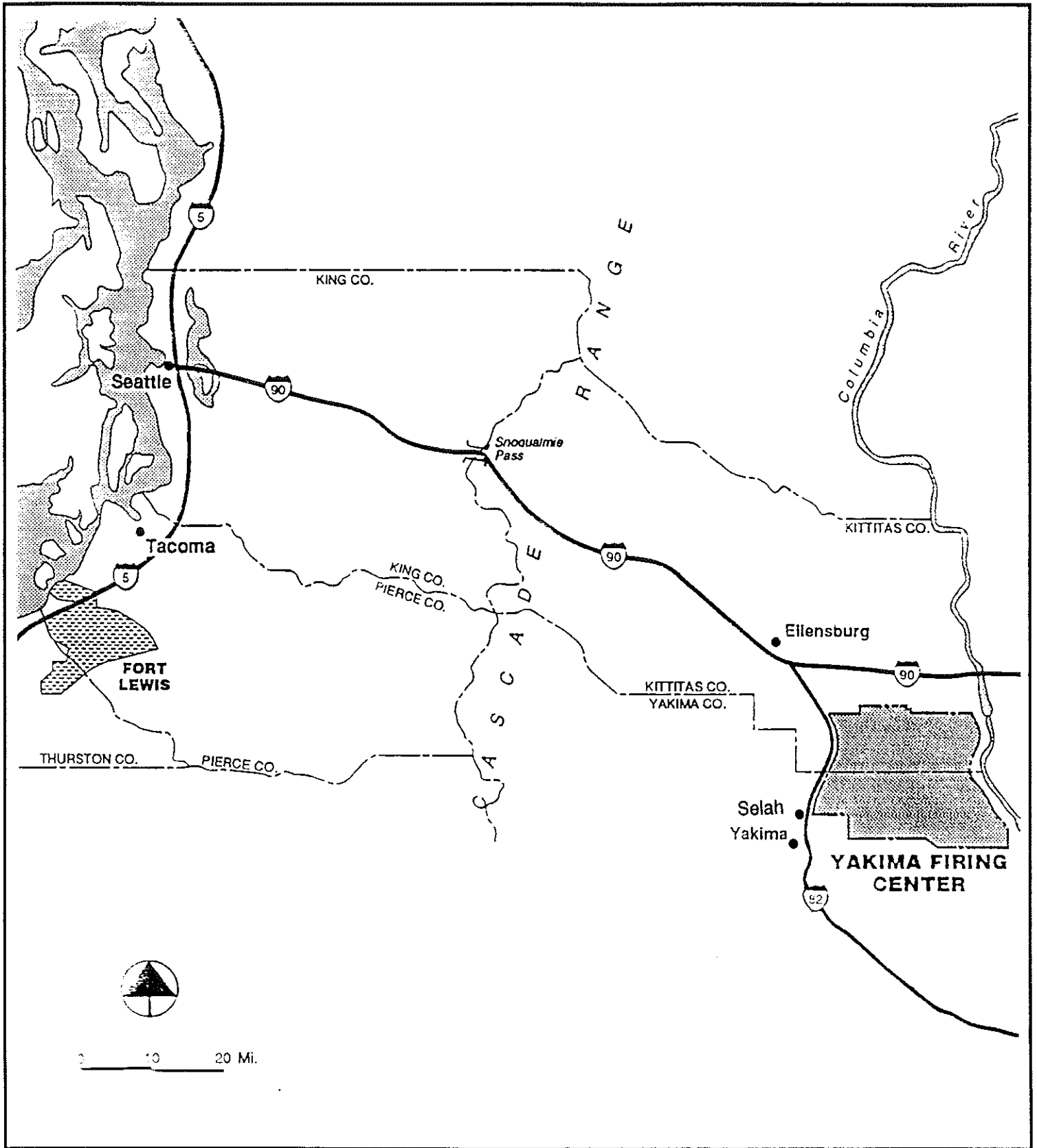


Figure 1

SITE LOCATION MAP

Source: Reference 4

Table 1

SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN AT YAKIMA TRAINING CENTER

<u>SWMU/AOC NO.</u>	<u>DESCRIPTION</u>
SWMU 1	Satellite Accumulation/Other Temporary Storage Areas
SWMU 2	Dip Tanks
SWMU 3	90 Day Accumulation Area
SWMU 4	Former Hazardous Waste Storage Area
SWMU 5	Former Pesticide Handling Area
SWMU 6	Former Transformer Storage Area
SWMU 7	Former Containers Next to Fence
SWMU 8	Contaminated Soil North of Building 810
SWMU 9	810 Baghouse
SWMU 10	Former Building 810 Paint Booth
SWMU 11	Former Building 951 Paint Booth
SWMU 12	Medical Clinic Silver Recovery Machine
SWMU 13	Dental Clinic X-Ray Developing Machine
SWMU 14	Former Dental Clinic X-Ray Developing Machine
SWMU 15	Former Army Reserve Stoddard Solvent Wash Tank
SWMU 16	Marine Reserve POL Storage Building
SWMU 17	Main Motor Pool Former Waste Battery Acid Container
SWMU 18	MATES Battery Room
SWMU 19	MATES Hazardous Waste Storage Area
SWMU 20	MATES Waste Oil Tank
SWMU 21	MATES Oil Filter Press
SWMU 22	Former PCS Stockpile Area
SWMU 23	National Guard Battery Room
SWMU 24	National Guard Underground Waste Oil Tank
SWMU 25	Old Petroleum, Oil, and Lubricant Yard
SWMU 26	Ammunition Storage Point
SWMU 27	Former Ammunition Storage Point Burn Pits
SWMU 28	Old Wire Storage Area
SWMU 29	New Wire Storage Area
SWMU 30	Range Control Battery Room
SWMU 31	MRPC Drain Field
SWMU 32	MRPC Collection Drum
SWMU 33	MRPC Waste Oil Tank
SWMU 34	Waste Oil Tanks
SWMU 35	Bldg 319 Underground Storage Tank
SWMU 36	Bldg 319 Underground Storage Tank
SWMU 37	Bldg 319 Underground Storage Tank
SWMU 38	Bldg 323-1 Underground Storage Tank
SWMU 39	Bldg 323-2 Underground Storage Tank
SWMU 40	Bldg 323-3 Underground Storage Tank
SWMU 41	Bldg 339 Underground Storage Tank
SWMU 42	Bldg 845-2 Underground Storage Tank
SWMU 43	Bldg 845-3 Underground Storage Tank
SWMU 44	Bldg 845-4 Underground Storage Tank
SWMU 45	Bldg 845-5 Underground Storage Tank
SWMU 46	Bldg 845 Underground Storage Tank
SWMU 47	Bldg 805/806 Underground Storage Tank
SWMU 48	MATES Bldg 951-4 Underground Storage Tank
SWMU 49	Bldg 970-1 Underground Storage Tank
SWMU 50	Bldg 970-2 Underground Storage Tank

Table 1 (Continued)

SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN AT YAKIMA TRAINING CENTER

SWMU/AOC NO. DESCRIPTION

SWMU 51	Active Landfill
SWMU 52	Soil Stockpile
SWMU 53	Transfer Station
SWMU 54	Former Cantonment Landfill
SWMU 55	Two Former Landfill Pits
SWMU 56	Former Landfill Pit
SWMU 57	Former Landfill/Burn Pit
SWMU 58	Former Bivouac Landfill Pits
SWMU 59	Fire Training Pit
SWMU 60	White Phosphorus Pit
SWMU 61	Range 14 UMTU Area
SWMU 62	Main Vehicle Wash Rack
SWMU 63	Main Motor Pool (Bldg 319) Oil/Water Separator
SWMU 64	Marine Reserve "Tank Rack" Oil/Water Separator
SWMU 65	Army Reserve Shop Oil/Water Separator
SWMU 66	Bldg 845 Oil/Water Separator
SWMU 67	Bldg 845 Oil/Water Separator
SWMU 68	Bldg 301 (TMP) Oil/Water Separator
SWMU 69	MATES Bldg 951 Oil/Water Separator
SWMU 70	Bldg 323 Oil/Water Separator
SWMU 71	New National Guard Facility Oil/Water Separator
SWMU 72	POL 1 Oil/Water Separator
SWMU 73	POL 1 Oil/Water Separator
SWMU 74	Sanitary Sewer System
SWMU 75	Sewage Treatment Plant
SWMU 76	Yakima Research Station Sewage Lagoons
SWMU 77	Surface Water Drainage System
AOC 1	Former Central Vehicle Wash Rack
AOC 2	Former Building 319 Vehicle Wash Rack
AOC 3	Building 812 Wash Rack
AOC 4	POL Fuel Point
AOC 5	Hazardous Materials Storage Area
AOC 6	Dud Areas
AOC 7	Buried Munitions
AOC 8	Cobra Range Above-Ground Storage Tank
AOC 9	Bldg 223A Underground Storage Tank
AOC 10	Bldg 223B Underground Storage Tank
AOC 11	Bldg 223C Underground Storage Tank
AOC 12	Bldg 223D Underground Storage Tank
AOC 13	Bldg 223 Underground Storage Tank
AOC 14	Bldg 301 Underground Storage Tank
AOC 15	Bldg 319A Underground Storage Tank
AOC 16	Bldg 319B Underground Storage Tank
AOC 17	Bldg 323 Underground Storage Tank
AOC 18	Bldg 323 Underground Storage Tank
AOC 19	Bldg 321 Underground Storage Tank
AOC 20	Bldg 321 Underground Storage Tank

Table 1 (Continued)

SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN AT YAKIMA TRAINING CENTER

SWMU/AOC NO. DESCRIPTION

AOC 21	Bldg 434 Underground Storage Tank
AOC 22	Bldg 810-1 Underground Storage Tank
AOC 23	Bldg 810-2 Underground Storage Tank
AOC 24	Bldg 833A Underground Storage Tank
AOC 25	Bldg 833B Underground Storage Tank
AOC 26	Bldg 833 Underground Storage Tank
AOC 27	Bldg 845-1 Underground Storage Tank
AOC 28	Bldg T-1470 Underground Storage Tank
AOC 29	Bldg T-1470 Underground Storage Tank
AOC 30	Bldg T-2020 Underground Storage Tank
AOC 31	Bldg T-2020 Underground Storage Tank
AOC 32	Bldg T-2020 Underground Storage Tank
AOC 33	Bldg 450 Bladder Site
AOC 34	MRPC Forward Refueling Area
AOC 35	West Side of Central Impact Area Forward Refueling Area
AOC 36	GC003913 Forward Refueling Area
AOC 37	Law Enforcement Pistol Range
AOC 38	Military Pistol Range

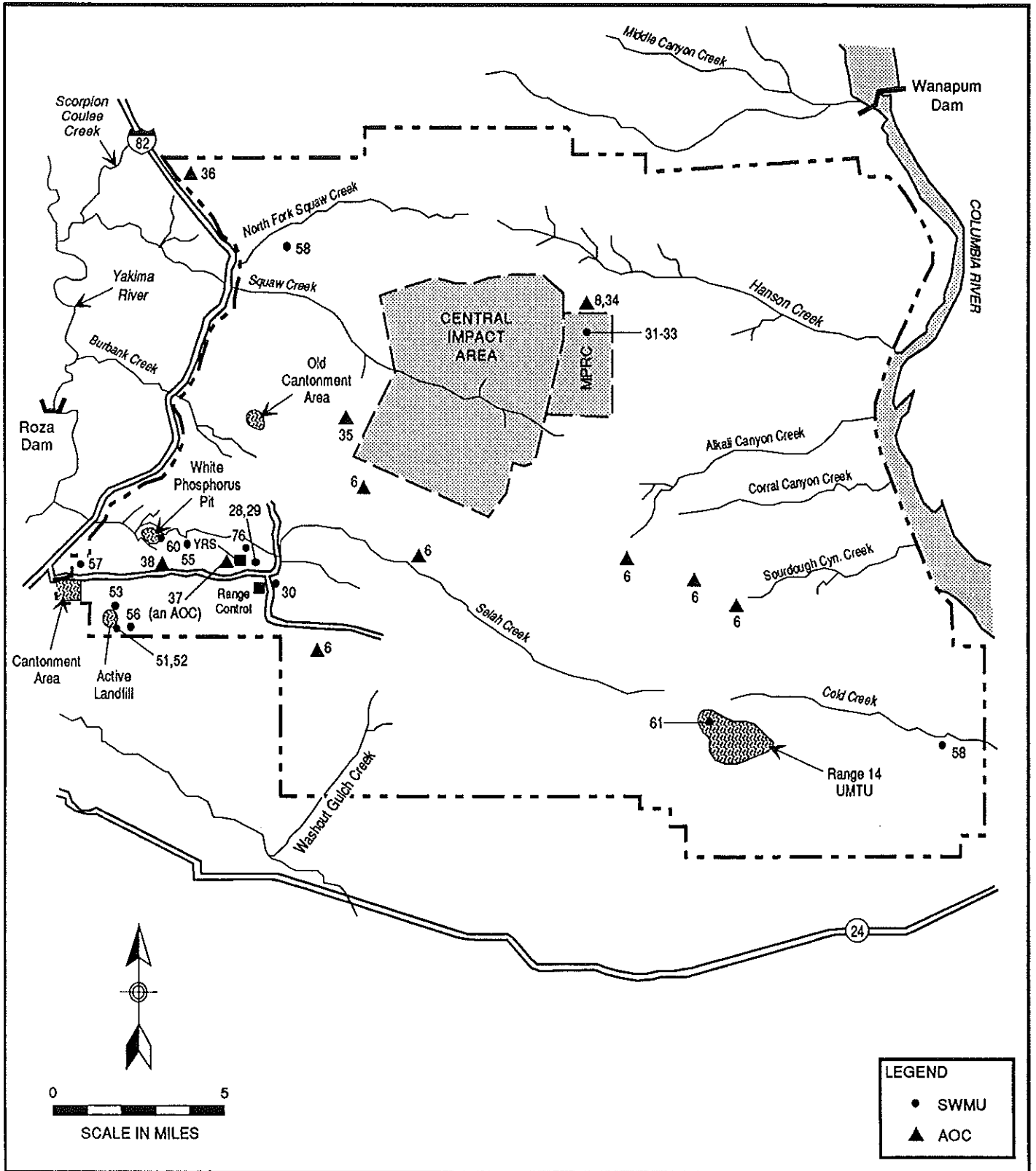


Figure 2
 YAKIMA TRAINING CENTER
 FACILITY SWMU AND AOC LOCATION MAP

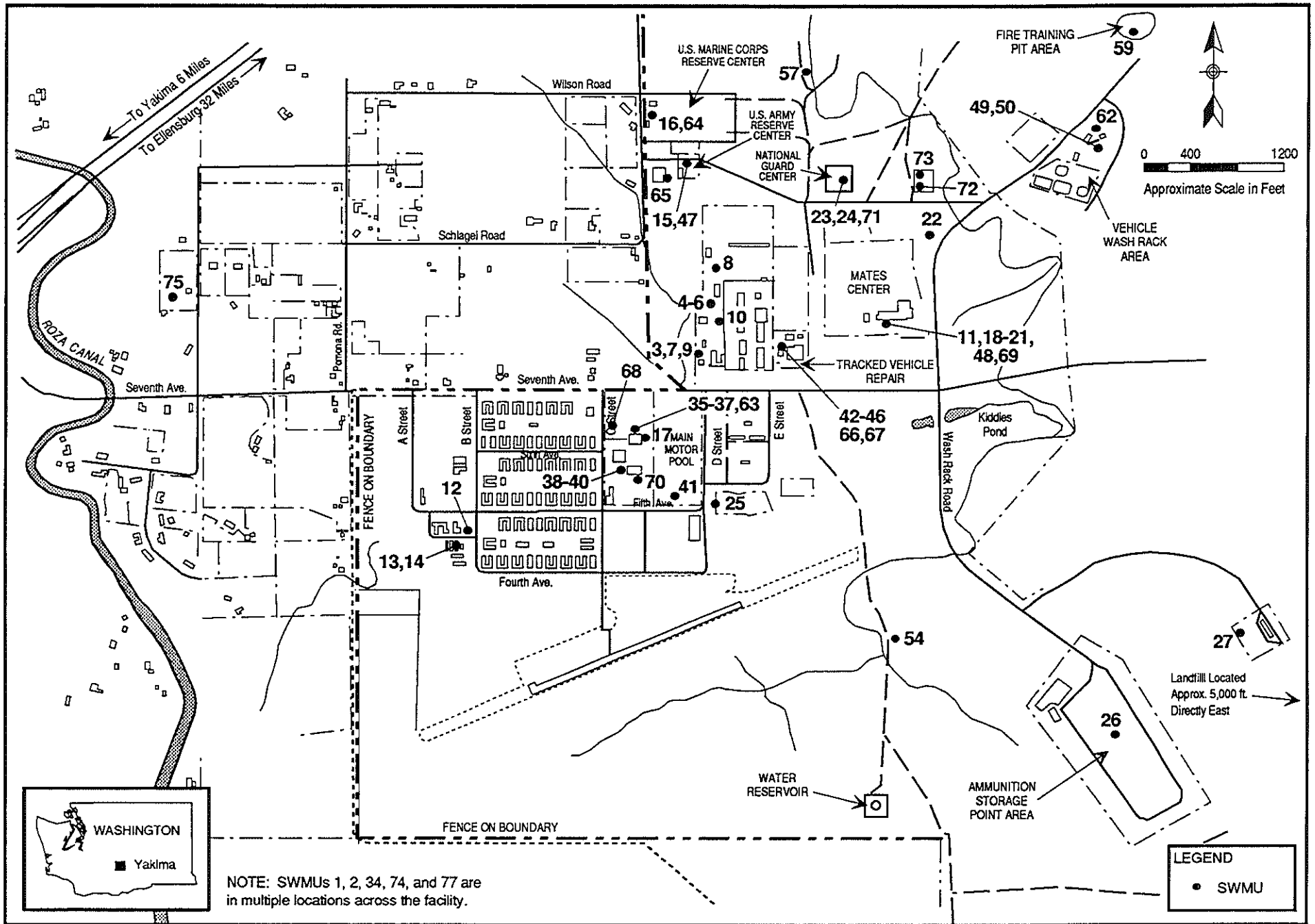


Figure 3

YAKIMA TRAINING CENTER
CANTONMENT AREA SWMU LOCATION MAP

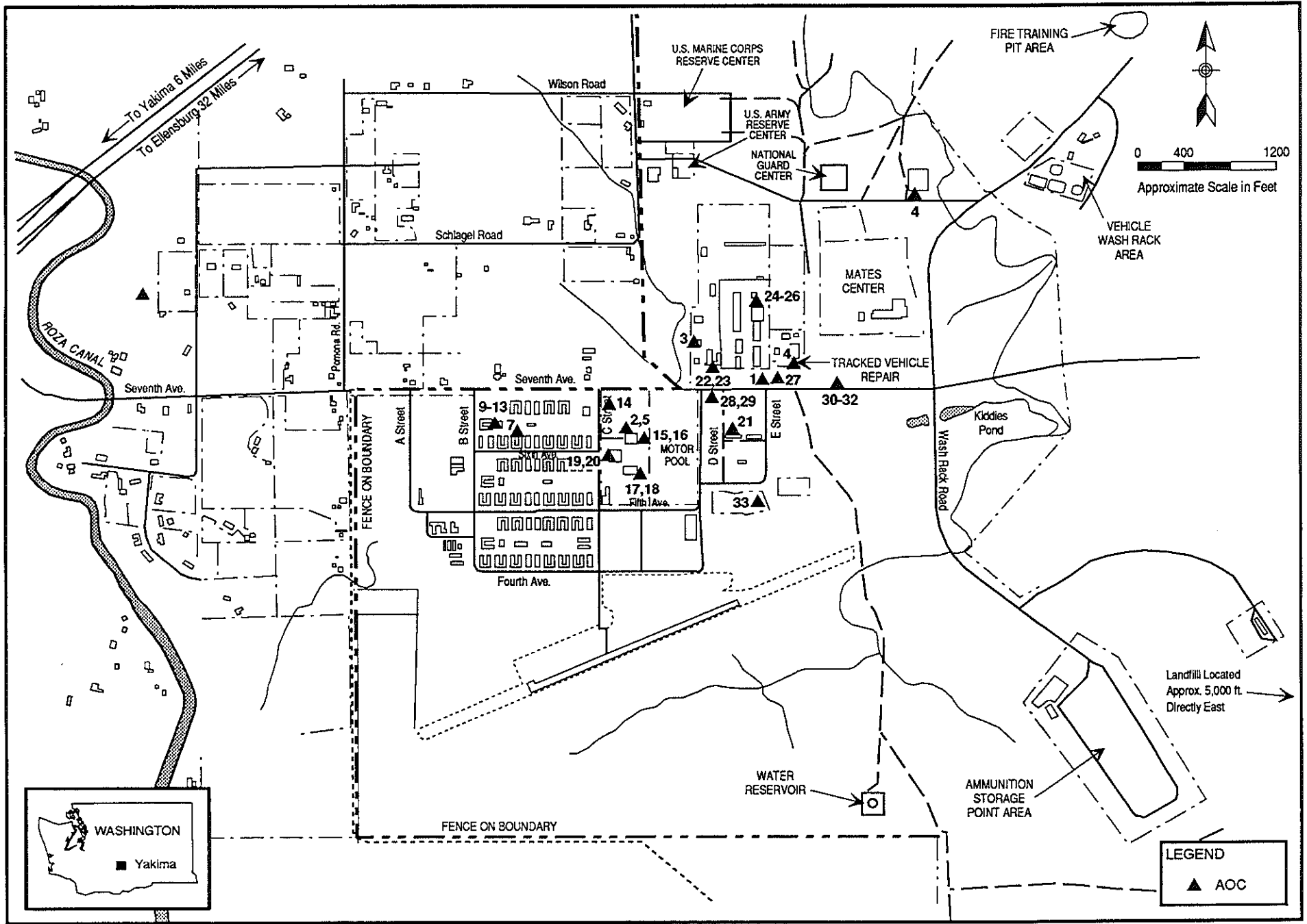


Figure 4

YAKIMA TRAINING CENTER
CANTONMENT AREA AOC LOCATION MAP