

## Jeep/Demolition (Jeep/Demo) Range Prioritization Scorecard

**Description:** Historical accounts of the Jeep/Demo Range indicate that it was used as an open-detonation/ open-burn range for the Air Force’s EOD training area. It is also assumed that this area was the firing point for the 20mm Range.

**Location:** The Jeep/Demo Range is part of the Aurora Reservoir Park and Recreation area and is owned by the City of Aurora. The Jeep/Demo Range site is ½ mile west of the reservoirs ranger station and swim beach. It is closed to the public.



**Extent of Area:** The Jeep/Demo Range is approximately 166 acres in size.

**Clearance Resource Estimate:** 26 workweeks

**Crew Size Limitations:** 2 teams

**Clearance Considerations:** The Jeep/Demo Range is easily accessible year-round. The site is considered a good winter work area due to its close proximity to the construction trailer compound. Seasonal constraints on the portion of the site nearest the ranger station and the swim beach need to be considered when coordinating clearance work and reservoir operations. Recovered Chemical Warfare Material (RCWM) has been found at the site in both intact bottles and accompanying metal packing canisters (pigs).

### Jeep/Demo Range Prioritization Scoring

Criteria	Infrastructure	Overall Hazard	Type of Hazard	Land Use	Environmental Impacts	Cost	Access	Economic Impacts	Legal Restrictions	Total Score
<b>Weighting</b>	0.179	0.152	0.145	0.138	0.131	0.083	0.069	0.055	0.048	
<b>Score</b>	100	150	150	100	25	100	75	75	50	99.5
<b>Priority Factor</b>	17.900	22.800	21.750	13.800	3.275	8.300	5.175	4.125	2.400	

## **Jeep/Demolition (Jeep/Demo) Range Prioritization Criteria**

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**Infrastructure: [100]** The City of Aurora has a large, below-ground water tank and pump station at the Jeep/Demo Range. The City also plans to construct a municipal water treatment plant at the site. This infrastructure is directly-related to adjacent residential development.

**Overall Hazard: [150]** Unexploded ordnance (UXO) hazards have been confirmed at the Jeep/Demo Range and include a variety of anti-personnel sub-munitions, fragmentation bombs, incendiary bombs, rocket warheads, and bulk solid rocket propellant (ballistic). The overall hazard for the Jeep/Demo Range is considered dangerous, based on the types of hazards confirmed at the site, proximity of the site to residential neighborhoods and schools, and their potential to cause injury as discussed below. In addition to surface ordnance hazards, there are several ordnance burial pits on the site. It is possible that these pits could contain ordnance items that are more hazardous than those items identified to date. A security fence was erected around the ordnance demolition area and burial pits in 1996. At that time, a surface clearance, which identified the potential for subsurface ordnance across the site, was conducted from the security fence to the area boundaries. The Jeep/Demo Range is part of the Aurora Reservoir Park but is currently closed to the public. Nearby existing residential development (e.g., Dove Hill) and residential development under construction is occurring to the west and south of the area; this will greatly increase the likelihood of unauthorized entrance to the area and exposure to ordnance and/or Recovered Chemical Warfare Material (RCWM) residue hazards. The Cherry Creek School District constructed high school and middle school campuses less than 1 mile southwest of the site. The school campus includes an open-space corridor connecting the school to the Reservoir Park. This corridor runs adjacent to the Jeep/Demo Range. Arapahoe County is planning county fair grounds and a regional high school sports complex immediately to the north of the site. A State youth detention campus is also constructed approximately 3 miles north of the site. An elementary school has also been identified in the master plan for the residential development immediately to the south of the Jeep/Demo Range and would be located about 1 mile from the site.

**Type of Hazard: [150]** Ordnance that has been identified at the Jeep/Demo Range include anti-personnel sub-munitions, fragmentation bombs, incendiary bombs, rocket warheads, and bulk solid rocket propellant. The sub-munitions and fragmentation bombs were found during the surface clearance and subsequent subsurface clearance activities. These were likely kick-outs from ordnance demolition operations. Anti-personnel sub-munitions included PFM-1 “dragon’s tooth” and BLU-28 sub-munitions. Sub-munitions can be very sensitive; uncontrolled exposure is very hazardous to the individual. The incendiary bombs and bulk solid rocket propellant are concentrated inside the bermed area. Incendiary bombs contain white phosphorous (WP), which is considered very hazardous and will burn on contact with air. Ordnance burial pits are located adjacent to the bermed area of the Jeep/Demo Range. Several simulant-filled and inert chemical and biological warfare training aids have been recovered from those burial pits/trenches. An RCWM removal has been conducted at the Jeep/Demo Range site to remove identified simulant training aids found during investigation and conventional OE clearance activities. Because of the concentration of OEW and RCWM items and their associated hazard levels, the type of hazard for this site was scored as dangerous.

**Land Use: [100]** Current land use is open space. The area is part of the Aurora Reservoir Park and Recreation area. The Dove Hill residential development is located within 2 miles of the site. The City plans to build a regional sports complex with sports fields on the site. The timing for development of the property is dependent on the availability of funding to the Aurora Parks Department. Additionally, a new high school opened approximately 1 mile southwest of the site in August 2003. The Wheatlands and Beacon Point residential developments (2,400 planned dwellings) are being constructed south of the Jeep/Demo Range.

**Environmental Impacts: [25]** The cleanup of the Jeep/Demo Range is not expected to adversely impact local wildlife.

**Cost: [100]** The estimated cost to complete the clearance of the Jeep/Demo Range is approximately \$6.4 million. The percent complete is 40%.

**Access: [75]** The target is approximately 2 miles south of East Quincy Avenue and can be accessed via a gravel road from the Reservoir Park entrance station. A barbed wire cattle fence and area closure signs control access to the site. In addition, significant residential developments are currently being constructed on land adjacent to Area B, both to the west and south.

**Economic Impacts: [75]** The Jeep/Demo Range is publicly owned. The City of Aurora could incur economic impacts from delayed development plans.

**Legal Restrictions: [50]** The Jeep/Demo Range land is owned by the City of Aurora. The property was donated to the City by the Department of Defense. Transfer documents limit future use of the property to

surface recreation and prohibit its use as a cemetery. The transfer documents claim that the site was surface cleared and the top 1-foot is safe for surface recreational use.