

6.20 Site OE 20, Recoilless Rifle Training Range. (Vicinity FR 059559, north of Gigling Road) (3.5 acres)

Description: This site was noted after reviewing a historic map of Fort Ord Training Areas and Facilities, 1957. A site visit showed no evidence of this type of training to have taken place. The 1957 map is the only reference to this type of training in this area.

Investigation History: In 1993-1994, the Army's OE contractor HFA conducted sampling of 12 grids down range from Site 20. Approximately 43% of the grids were sampled and no OE or related material was found.

Recommendation: No further action is recommended in accordance with Phase I EE/CA.

6.21 Site OE 21, Mudhen Lake. (Vicinity FR 135540, south of East Garrison) (15.5 acres)

Description: The fact that this area is a lake forces consideration as a possible dumping ground. The site includes Mudhen Lake and has been divided previously into an 8.75 acre eastern area and a 6.75 acre western area, with a dike/bridge dividing the two subsites.

Investigation History: The eastern area was subjected to a 12% random sampling to a depth of 4 feet by UXB in 1994-1995. Sixty-four live OE items were found in the site. A removal action was accomplished in 100% of the western portion of the site (36 grids) to a depth of 4 feet. The removal action was only partially QC inspected due to heavy flooding. A total of 3,625 live small arms, 64 live OE, and 34 expended OE items were discovered. See Appendix B of the Phase I EE/CA for listing of items.

Recommendation: Complete quality assurance activities and removals in accordance with the Phase I EE/CA.

6.22 Site OE 22, Beach Ranges, Beachfront Area (952 acres)

Description: These ranges are known to be small arms ranges along the beachfront.

Investigation History: A walk through of this area showed many lead bullets covering the sand dunes. There is also an ammunition storage area located on the beach near Range 3. Amphibious training took place at Fort Ord in the early 1940's, which would have occurred at the beach. Also, a 1947 map shows a much

larger range fan extending from the coast out over the ocean than present day maps. Fifteen acres (60 grids) were sampled by the Army's OE contractor HFA in 1993-1994. Twelve grids were placed in the vicinity of the old Ammunition Supply Point (ASP), and 12 grids were placed in the old company temporary storage area near the old ASP. The remaining grids were placed throughout the remainder of the site in locations of high probability for locating discarded OE. No live OE was located during sampling. Six expended OE items and 239 live small arms were discovered. The Army's OE contractor CMS sampled 41 grids (1997) north and south of Stilwell Hall (19.3 acres). No live OE was discovered during this sampling.

Recommendation: No further action for this site in accordance with Phase I EE/CA.

6.23 Site OE 23, Engineer Training Area, Field Expedient Area (approximately 15 acres)

Description: This site may have been a quarry for training near the Crescent Bluff Area. Physical evidence exists that this may also have been an amphibious vehicle test area.

Investigation History: According to an interview with Mr. Fred Stephani, former Fire Chief, the concrete pit was an amphibious training area used to show that the vehicle engine would continue running under water. Small ammunition cartridge cases and pieces of an M49 trip flare were noted at the site. Additional interviews stated that at the end of Bluffs road just before Barloy Canyon Road rifle grenades were fired up the canyon towards what is now the Ammo Supply Point. This occurred from the 1950's until just before the 7th ID moved in. This area is also referenced on a historical map, 15 July 1957 Fort Ord Training Areas Facilities Map. A May 1996 inspection by an EOD specialist discovered only expended small arms blanks. No evidence of OE, such as ordnance fragmentation, fuzes, or projectile case were found.

Recommendation: Further investigation is recommended.

6.24 Site OE 24, Grenade Ranges (42 acres)

Description: A 1946 map (Master Plan Fort Ord) depicted several grenade ranges including rifle and hand, practice, and live grenade ranges. These were shown within the housing area near the Officer's Club. A site visit resulted in finding one OE item, a piece of rifle grenade warhead believed to be part of a HE grenade. The piece of warhead was found at FR06836 53857/N 36 37' 33.9", W121 48' 18.5". Subsequently this area has been subdivided into 24A through 24E.

Investigation History 24A: This area is the Practice Rifle Grenade Range. In 1994-1995 this area, approximately 13.9 acres was surveyed and may have been brush cleared by the Army's OE contractor UXB. No intrusive work was performed.

Recommendation 24A: Further investigation and random sampling is recommended.

Investigation History 24B: Practice Rifle Grenade Range, approximately 14.2 acres. Status is the same as 24A.

Recommendation 24B: Further investigation and random sampling is recommended.

Investigation History 24C: Live Grenade Range approximately 9.7 acres. Status same as 24A.

Recommendation 24C: Further investigation and random sampling is recommended.

Investigation History 24D: Booby Trap Area, approximately 1.8 acres. Status same as 24A.

Recommendation 24D: Further investigation and random sampling is recommended.

Investigation History 24E: Practice Rifle Grenade Range approximately 2.7 acres. Status same as 24A.

Recommendation 24E: Further investigation and random sampling is recommended.

6.25 Site OE 25, Firing Point

Description: This site was a previously unidentified firing point in the P-5 training area. This site has been subsumed into Site OE 14D.

Investigation History: It was noted during a site visit that there are small arms ammunition cartridge cases lying about, and there is a range flag pole and a marker emplaced by an Engineer battalion in 1980 marking this firing point.

Recommendation: Refer to Site OE 14D.

6.26 Site OE 26, Hilltop within P-5

Description: This site is a hilltop within P-5, discovered during a site visit of a training site. This site has been subsumed into 14D.

Investigation History: Hundreds of small arms cartridge cases were discovered, including .30 caliber, 7.62mm, and 5.56mm. The .30 caliber headstamps were marked with the years 1952 and 1954. The remains of a booby trap simulator were found well.

Recommendation: Refer to Site OE 14D.

6.27 Site OE 27 Training Sites

Description 27: This site includes 25 Training Sites. These areas were depicted on a historical training area map called the Beardsley Map, date unknown. Nothing was found during research that described the type of training at any of these areas. TS-17 was chosen at random to survey for the presence of OE. Evidence littered the ground in the form of .30 caliber and 7.62mm blank cartridge cases, grenade spoons, and a grenade fuze (M201A1) at FR 14222 53163/N 36 37' 08.3"; W121 43' 21.6".

Wrong!
1984
Training
Facilities
Map w/
BLW
Field
Notes

Description: 27 TS-1: This site is partially located in Site OE-55.

Investigation History: A site inspection completed in March 1996 by an EOD specialist, discovered only expended small arms blanks.

Recommendation: Recommend this area undergo sampling as part of overall site investigation.

Description: 27 TS-2: This site is located northeast of the Parker Flats Training Area.

Investigation History: A site inspection completed in March 1996 by an EOD specialist, discovered only expended small arms blanks.

Recommendation: Recommend this area undergo sampling as part of overall site investigation.

Description: 27 TS-3: This site is located northeast of TS-2 and South of the Tactical Training Area.

Investigation History: A site inspection completed in March 1996 by an EOD specialist, discovered only expended small arms blanks.

Recommendation: Recommend this area undergo sampling as part of overall site investigation.

Description: 27 TS-4: This area is subsumed by Site OE-57.

Investigative History: Refer to Site OE-57.

Recommendation: Refer to Site OE-57.

Description: 27 TS-5: Located northeast of TS-4.

Investigation History: No known investigation.

Recommendation: Recommend this area undergo sampling as part of overall site investigation.

Description: 27 TS-6: Located northwest of Site OE-59.

Investigation History: No known investigation.

Recommendation: Recommend this area undergo sampling as part of overall site investigation.

Description: 27 TS-7: This area is subsumed into Site OE-53.

Investigation History: Refer to Site OE-53.

Recommendation: Refer to Site OE-53.

Description: 27 TS-8: This area is subsumed into Site OE-16.

Investigation History: Refer to Site OE-16.

Recommendation: Refer to Site OE-16.

Description: 27 TS-9: This area is subsumed into Site OE-10A.

Investigation History: Refer to Site OE-10A.

Recommendation: Refer to Site OE-10A.

Description: 27 TS-10: Located on the southwest border of Site OE-10B and is subsumed into Site OE-10B.

Investigation History: Refer to Site OE-10B.

Recommendation: Refer to Site OE-10B.

Description: 27 TS-11: Located west of Site OE-65 and north of Site OE-12.

Investigation History: No known investigation.

Recommendation: Recommend site investigation and random sampling.

Description: 27 TS-12: Per interview with Fred Stephani, this ridge was a maneuvering area where soldiers trained with ordnance that could be carried and fired: hand grenades, rifle grenades, shoulder launched projectiles, and booby traps. The area was used for this type of training until at least the early 1970's, when the 7th Infantry took over.

Investigation History: No known investigation.

Recommendation: Recommend site investigation and sampling.

Description: 27 TS-13: Subsumed into Site OE-64 and Site OE-65.

Investigation History: Refer to Site OE-64 and Site OE-65.

Recommendation: Refer to Site OE-64 and Site OE-65.

Description: 27 TS-14: Per interview with Fred Stephani, this area was used in the 1960's for hand grenade training. Soldiers would throw the grenades from the top of the hill into Engineers Canyon. This area was used for approximately one year. Training at the Upper Engineer Canyon dirt road consisted of bazookas and rifle grenades fired on both sides of the canyon during the 1950's - 1960's. Also, grenades were thrown from the side of the north slope into the canyon. Site OE-61 overlaps this site.

Investigation History: Refer to Site OE-61.

Recommendation: Refer to Site OE-61.

Description: 27 TS-15: Located south of Site OE-10B.

Investigation History: No known investigation.

Recommendation: Conduct site investigation and sampling.

Description: 27 TS-16/17/18: Located southeast and east of Site OE-12.

Investigation History: These sites were surveyed and may have been brush cleared by UXB in 1994-1995. These sites are documented in the Army's OE contractor UXB's Combined Non-Intrusive After Action Report.

Recommendation: Conduct site investigation and sampling.

Description: 27 TS-19: Located southeast from Site OE-17.

Investigation History: No known investigation.

Recommendation: Site investigation and sampling.

Description: 27 TS-20: Located northeast of Site OE-14E.

Investigation History: In 1994-1995 this site was surveyed and may have been brush cleared by UXB. See UXB's Combined Non-Intrusive After Action Report.

Recommendation: Recommend site investigation and sampling.

Description: 27 TS-21: This site is subsumed into Site OE-32.

Investigation History: In 1994-1995 this site was surveyed and may have been brush cleared by UXB. See UXB's Combined Non-Intrusive After Action Report.

Recommendation: Refer to Site OE-32.

Description: 27 TS-22: Located northwest portion of Site OE-14B.

Investigation History: In 1994-1995 this site was surveyed and may have been brush cleared by UXB. See UXB's Combined Non-Intrusive After Action 14-B Report.

Recommendation: Refer to Site OE-14B.

Description: 27 TS-23: Subsumed into Site OE-64.

Investigation History: Refer to Site OE-64.

Recommendation: No further action.

Description: 27 TS-24: This site is located south of the Oil Well Road Training Area in the southeastern portion of former Fort Ord.

Investigation History: This site was randomly sampled by UXB. They conducted random sampling of 40 grids to a depth of 4 feet. A total of 424 live small arms were discovered and one expended OE item was discovered.

Recommendation: No further action.

Description: 27 TS-25: This site is located north of Inter-Garrison Road, approximately 1.5 miles west of the East Garrison.

Investigation History: The contractor UXB conducted random sampling (18-50'x1700' lanes) to a depth of 4 feet. A total of 65 live small arms and one expended OE item were discovered.

Recommendation: No further action.

6.28 Site OE 28, MOUT Site

Description: Through a telephone interview, an interviewee stated that site Mout has lots of ordnance, including torpedoes, removed from the site. The area may have been used as an EOD training area. This site is located in Wildcat Canyon of the MRA. Impossible City, a mock city, was part of this complex. It was used for training infantry to operate within an urban center. Several buildings within the city were live fire small arm sites. There was also Tire House, constructed out of sand-filled tires where live fire of small arms and the use of high explosive hand grenades were authorized. There are reports of 40mm HE grenades and bazooka rounds being fired into Wildcat Canyon, somewhere south of Impossible City.

Investigation History: Reference HLA Site 39 report.

Recommendation: Recommend site investigation to confirm the potential for OE.

6.29 Site OE 29, Laguna Seca Bus Turn Around (26 acres)

Description: This 26 acre site is located on the southern tip of Site OE-14.

Investigation History: In 1994-1995 live UXO was discovered during the Army's OE contractor UXB's sampling of 69 grids to a depth of 4 feet. Sampling was halted by CEHND. At that time 2,718 live small arms, 83 live OE, and 5 expended OE items were recovered. The Army's OE contractor, CMS has conducted a removal action on the 2 acre bus turnaround portion of the site.

Recommendation: Complete removal action on the remainder of the site.

6.30 Site OE 30, Laguna Seca Turn 11 (5.9 acres)

Description: The site is located adjacent to the southeastern side of the Wolf Hill parcel, just north of (and adjacent to) the Laguna Seca raceway. The parcel is considered as an OE site because it lies within the boundaries of the Multi-Range Area (MRA) and is adjacent to the Wolf Hill training area.

Investigation History: This site was subjected to a 4-foot removal action by the Army's OE contractor UXB. Two inert 37mm AP-T projectiles were discovered during sampling. Two live OE items were found, a 75mm HE projectile and a 81mm illumination cartridge.

Recommendation: Removal actions completed.

6.31 Site OE 31, CSU Footprint (313-388 acres)

Description: Site CSU Footprint was identified as a result of an impending BRAC action. Previous OE sampling activities, associated with separate sites, had occurred in the Site CSU Footprint prior to its removal action. Sites 4C, 7, 8, 18, CSU, HFA/CSU are located within Site CSU Footprint. Site CSU represents the eastern portion of Site CSU Footprint, 1 of 2 areas in Site CSU Footprint that underwent a removal action by UXB rather than HFA. Site HFA/CSU is located in the north central portion of Site CSU Footprint, 1 of 2 areas in Site CSU Footprint underwent a removal action by the Army's OE contractor UXB rather than HFA.

Investigation History: Most of the site was subjected to three separate removal action: one conducted by HFA and two conducted by UXB. HFA's activities included a 3-foot removal action in approximately three-quarters of the Site CSU Footprint, generally encompassing most of the western portion of the site. UXB conducted a 4-foot removal action in two areas: the eastern portion of the site (the nearly 70-acre Site CSU), and a small (nearly 6-acre) area in the north-central portion of Site CSU Footprint (known as Site HFA/CSU). Site 13C is an additional area added to the southern portion of this site to reflect accurate survey data for this location.

Several burial pit caches of ordnance were found and removed. Many of the items found within this site were in burial pits. All OE items in burial pits were completely removed.

Recommendation: Removal actions complete at this site.

6.32 Site OE 32, Oil Well Road Training Area

Description: The Oil Well Road Training Area is located in the eastern portion of Fort Ord and was documented from a review of historical maps undated, Fort Ord Map, Incl 1, to App. A to Annex 0 and map of Fort Ord Training Areas and Facilities 15 July 1957. The area was shown as a training area and tank maneuver area. This site is discussed as 32A through 32C.

According to an interview with Mr. Fred Stephani, a tank hull in this canyon was used in the 1950's and 1960's as a target for ordnance training including shoulder launched projectiles and rifle grenades. The firing direction was from north to south. This area includes many target areas for shoulder fired projectiles, armor piercing projectiles and possibly mortar. The firing points were located along the Oil Well Road Extension and along the south edge of the area. This activity took place in the early 1950's. This site also includes Site TS 21.

Investigation History 32A: This area is approximately 38 acres. The Army's OE contractor UXB conducted random sampling (17 grids-Oil Well Road Parking Area; 34 grids-Skyline Road) to a depth of 4 feet. A total of 239 live small arms and 3 expended OE items were recovered.

Recommendation 32A: No further action in accordance with Phase I EE/CA.

Investigation History 32B: This area is approximately 47 acres. The Army's OE contractor UXB conducted random sampling (20 grids) to a depth of 4 feet. A total of 263 live small arms and 1 expended OE item were recovered.

Recommendation 32B: No further action in accordance with Phase I EE/CA.

Investigation History 32C: This site is approximately 145 acres. The Army's OE contractor UXB surveyed and may have brush cleared the site. No intrusive work was performed by UXB. During 1995-1997 the Army's OE contractor CMS conducted sampling (102 grids). As of this time, they have sampled 16% of the grids and they have recovered one 81mm M301A2 illuminating cartridge.

Recommendation 32C: Removal action is complete.

6.33 Site OE 33, Cache

Description: OE Cache was identified by the federal police on Fort Ord, and is located approximately 0.5 miles south of the East Garrison. It is represented by a fox hole that contained small arms ammunition and 40mm cartridges.

Investigation History: In 1994-1995 the Army's OE contractor UXB conducted a removal action (.1 acre) to a depth of 4 feet. They discovered 8,773 live small arms and 6 live OE items. All OE was removed from the foxhole.

Recommendation: Removal action is complete.

6.34 Site OE 34, Fritzsche Army Airfield (FAAF) (70-77 acres)

Description: FAAF is located at the northern end of the installation. The site was identified through review of a 1942 Fort Ord Master Plan map showing a 2.36" rocket practice range (prior to establishment of the airfield).

Investigation History: The Army's OE contractor UXB conducted a random search of the area to determine an impact zone and designate a removal area. Once this was accomplished, UXB conducted a removal action (323 grids) to a depth of 3 feet at FAAF. They removed 69 live small arms cartridges, 29 live OE which consisted of 24, 2.36 inch rockets and 5 demolition charges, and 329 expended OE items.

Recommendation: Removal action is complete.

6.35 Site OE 35, Former Range Control (FRC) (8 acres)

Description: This site is on the northern edge of the MRA. Site FRC was formerly used as Camp Huffman. It is centrally located on the northern boundary of the MRA and currently serves as a BLM facility on the site.

Investigation History: The Army's OE contractor UXB conducted random sampling (7 grids of various dimensions to a depth of 4 feet). Of the 7 grids sampled in the site, 3 grids were noted to contain OE. A total of 508 live small arms and 2 live OE items consisting of a grenade fuze and ground illumination signal were recovered. These 2 live items were found on the surface.

Recommendation: Conduct removal action at this site.

6.36 Site OE 36

NOT USED

6.37 Site OE 37, Parker Flats Mortar Range

Description: This site is north of Range 49 between Old Parker Flats Road and Watkins Gate Road. This range was identified on an undated map supplied by the Fort Ord Fire Department. This area was most likely used for firing practice mortars or in nonfiring drills (dry-fire). This site has been subsumed into Site OE-55.

Investigation History: This site has not been investigated as of this time. However, a site inspection was conducted adjacent to this site (OE-55) by an UXO specialist based upon an interview with Mr. Fred Stephani. He discovered 75mm expended shrapnel, one mine fuze, and two 37mm practice fragments.

Recommendation: This site should be investigated further as part of Site OE-55.

6.38 Site OE 38

NOT USED

6.39 Site OE 39, Mine & Booby Trap Area

Description: Located in the Marshall Housing Area, 15 July 1957 and 10 January 1958 maps (Fort Ord Training Areas & Facilities) show this site.

Investigation History: The Army's OE contractor CMS sampled this area from 13 August 1997 through 21 August 1997. They sampled 4 grids, 100' x 200'. No evidence of OE was discovered.

Recommendation: No further action is recommended.

6.40 Site OE 40, Parker Flats Gas House

Description: This site has the same characteristics as the CBR training areas, Sites 4A, 4B and 4C. The ASR identified Sites 4A, 4B and 4C from historical maps and an Enhanced Preliminary Assessment for Fort Ord. Tear gas agents (CS and CN) may have been used in the gas chambers in these areas. Based on a review of a 1983 U.S. Chemical Systems Laboratory document that classroom

training occurred in Building 2820, and that part of this training involved the use of minute quantities of mustard gas (probably a part of Chemical Agent Identification Sets (CAIS), four of which had been transferred to Edgewood Arsenal).

Investigation History: No investigation history at this time.

Recommendation: Site investigation is recommended.

6.41 Site OE 41, Powder Magazine in Combat Range 3

Description: Subsumed into Site OE 58. Powder Magazine shown on Training Facilities Map, 1945. Research into historical powder magazines shows that gun powder was transferred from 100 pound barrels to flannel cartridges, and fireworks, fuzes, matches, case shot, wads, grenades, and shells were made.

Investigation History: No known investigation at this time.

Recommendation: Refer to Site OE 58.

6.42 Site OE 42, Rifle Grenade Area

Description: Located from a 1946 map (Master Plan Fort Ord) and interviews. This site is located in ASP Rifle Grenade Area.

Investigation History:

Recommendation: Further site investigation and sampling is recommended.

6.43 Site OE 43, South Boundary Area

Description: This area was identified during interviews with former Fire Chief Fred Stephani. Mr. Stephani stated that a portion of the ridge in this parcel was used as a backstop for rifle grenades and shoulder launched projectiles from 1942 to 1944. Firing positions (trenches) were excavated along South Boundary Road and firing was from the Southeast to the Northwest at a diagonal to the hill. Impact occurred just north of the large stand of pine trees and continued up to the first of the last pair of large fire breaks. The firing positions were buried when the use was discontinued. The area was controlled burned in the early 1940's to support this training.

Investigation History: The Army's OE contractor CMS has cutting lanes of brush in this site to support an OE inspection of this area. Surface and subsurface

sweeps were conducted by an UXO specialist as a safety measure for brush cutters. During those sweeps, the specialist discovered 37mm black powder frag at the northwest end of the site.

Recommendation: Recommend this area undergo random sampling as part of overall site investigation.

6.44 Site OE 44, Monterey Peninsula College Habitat Preserve

Description: This area is just north of the MRA. The boundaries of this site were identified when an ordnance safety specialist discovered OE items described below as part of a site visit for an adjacent site.

Investigation History: An ordnance safety specialist discovered 37 mm HE frag and a 37mm rotating band, 5 June 1996. According to inspection notes, the area is impenetrable without cutting.

Recommendation: Recommend this area undergo sampling as part of an overall site investigation.

6.45 Site OE 45, Tactical Training Area (401.25 acres)

Description: This site consists of 401.25 acres east of the CSU Footprint. This site has a road network through a campground.

Investigation History: An early inspection of the area found a grenade fuze just southwest of the water tower (FR 1198 505). A walk through of the eastern portion by an ordnance safety specialist discovered a dud Mark II practice grenade and an inert Mark I practice grenade. The Army's OE contractor CMS has recently conducted sampling (awaiting results).

Recommendation: Recommend this area undergo confirmatory sampling.

6.46 Site OE 46, York School (67 acres)

Description: This site consists of BRAC Parcel L3.2, which comprises approximately 67 acres along the southern boundary of the MRA. The boundary shown for this parcel is based on the Public Conveyance Request received from the federal Department of Education. There is no record of this portion of the MRA ever having been an impact area.