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Achieving Greater Success Through Strong Partnerships

November 14-17, 2023 • Kansas City, MO

Land Use Control Implementation and Considerations

MRP Site 1, “Bradshaw Trail”, Chocolate Mountain Aerial Gunnery Range

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November 14-17, 2023 • Kansas City, MO

Overall Classification: UNCLASSIFIED//FOR OFFICIAL USE ONLY

MRP Site 1 “Bradshaw Trail” Overview

- MRP Site 1 is located within the Sonoran Desert in Imperial and Riverside Counties in California. The Site was formerly a part of a buffer zone within the CMAGR operational range northern boundary and consists of 34 individual land parcels and covers approximately 2,587 acres.
- As mandated by the National Defense Authorization Act (NDAA) for FY 2014, U.S. Public Law 113-66, Title XXIX, Subtitle E, Section 2966, the CMAGR northern boundary, where it was adjacent to and overlapping the Bradshaw Trail (a publicly used, recreational trail), was realigned to improve public safety and range management. These parcels formed MRP Site 1.



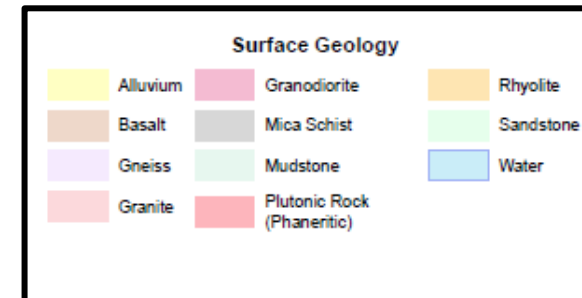
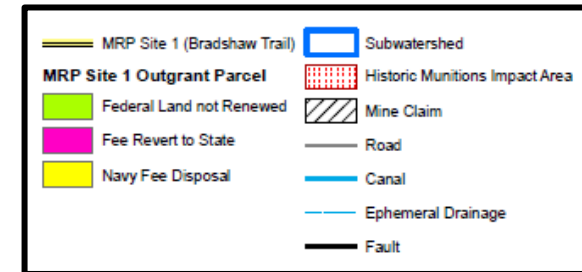
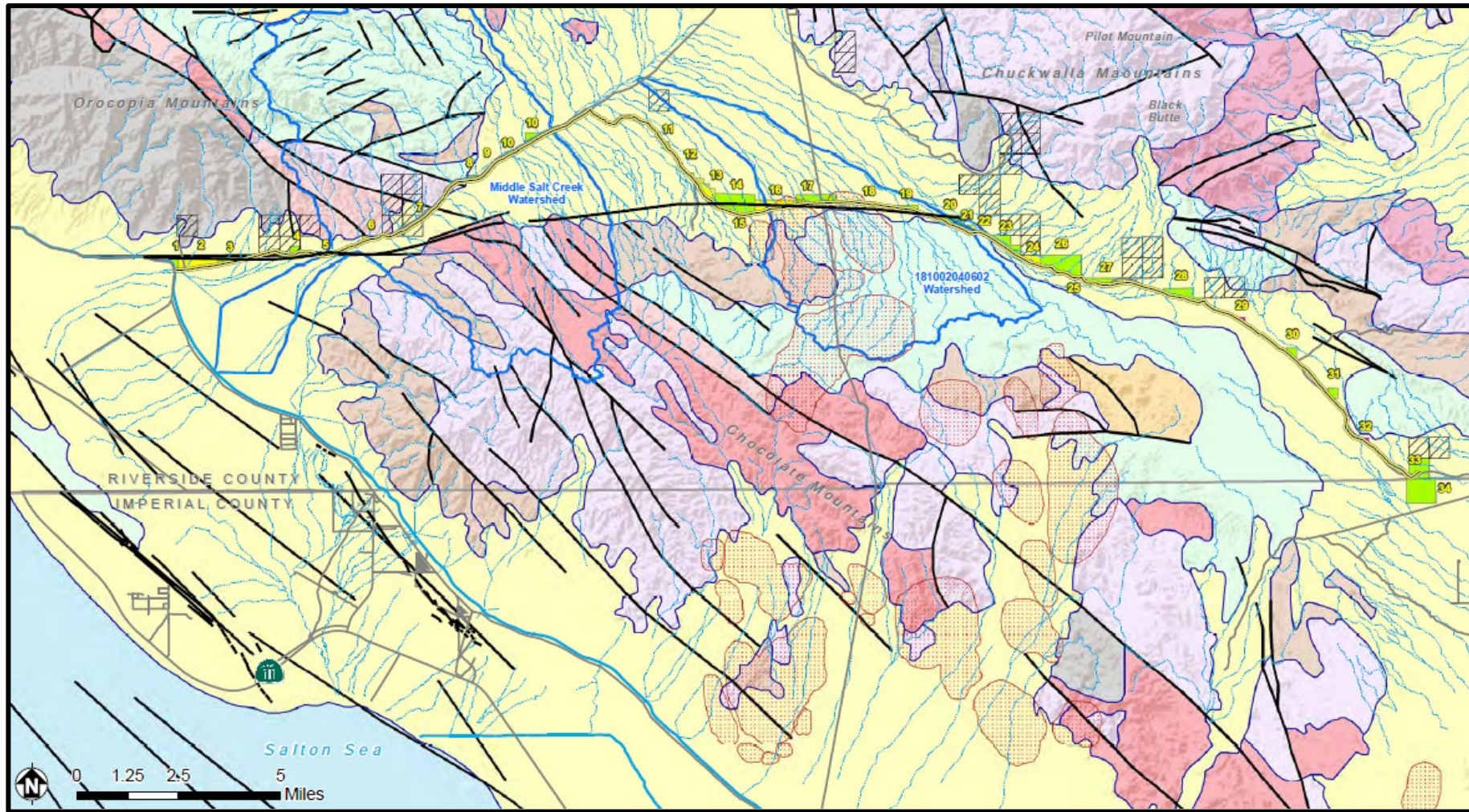
BLM Bradshaw Trail Marker

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UXO Warning Sign

- A variety of ordnance items have been found at or recovered from the Site during previous investigations, from 20-mm munitions to a 500-pound bomb. However, MRP Site 1 was not subject to specific CMAGR training uses such as target or maneuver areas. The parcels consist of remote, undeveloped land.
- The portion of the Bradshaw Trail adjacent to the CMAGR is approximately 36 miles long. Future land use at and adjacent to the Site are anticipated to remain the same (military training to the south, vacant land to the north, and publicly used recreation trail).
- Currently, UXO warning signs are posted at entrances and along the trail to notify the public of hazard. They serve as the physical land use control currently for the Site.

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Remedial Investigation

- The phase 1 remedial investigation recommended no further action for MC was required. DTSC, BLM and USFWS concurred with the recommendation.
- The phase 2 RI was completed at the start of 2023 and focused on defining nature and extent of subsurface MEC using AGC. The AGC survey results concluded that anomalies are dispersed across the parcels with no obvious firing points or impact areas, validating the established CSM and former use of the site primarily as a range buffer zone.



Phase 2 RI AGC Survey in Parcel 12 Grid A

- An updated MEC hazard assessment was completed and provided a Hazard Level Category 1 for the site based on the presence of high explosive munitions at the site on the ground surface and accessibility of the site to the public.

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Feasibility of Potential Future Actions

- Next Step: perform an evaluation of remedial alternatives and present findings for stakeholder concurrence in a feasibility study.
- The Navy anticipates that a removal action will be required, but the magnitude will need to be agreed to by the stakeholders, especially the BLM (current land owner and Bradshaw Trail manager).
- A focused surface and subsurface removal action targeting areas where parcels overlap the Bradshaw Trail and in washes would be most feasible in terms of public safety and cost. Future routine surveys would have to be part of an LTM/LUC remedy. (CTC estimated at \$20M+).



Parcels 33 and 34

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Feasibility of Potential Future Actions

Concerns and Constraints for LTM and LUC Implementation:

- Time window in which work can be conducted (climate, federally protected species, WTI training);
- Remoteness (commute to and from site);
- Vastness of site and unfavorable terrain;
- Long term management requirements – UU/UE will be very unlikely for some time;
- CMAGR remains active – any ongoing remedy/LTM would have to be coordinated with MCAS Yuma;
- Bradshaw Trail Public Use – trail signage is the only physical notification of potential UXO hazard. Public notification of remediation activities thru newspapers, websites, etc. will continue. Public will have to be trusted to self regulate;
- Confirm with all stakeholders (DOD, BLM [DOI], regulatory, and MCAS Yuma) roles and responsibilities + physical boundary lines.



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Keys to Successful LUC Implementation

Physical:

- Install and maintain warning signs along the trail – include contact information in the chance that public users do identify a questionable item.
 - Establish an “on-call” response protocol to address items that are found by the public or following significant weather events.
- Work with BLM to update their signage at trail entrances.
- Coordinate survey efforts with Riverside County Transportation Dept to survey during grading activities.

Records:

- Work with BLM to make sure public websites are up to date and have appropriate contact information/documentation.
- Verify that stakeholders understand boundary lines of MRP Site 1. If MRP Site is impacted by MCAS Yuma training operations, notification needs to be made.
- Record of Decision will need to clearly define responsibilities and expectations for the chosen remedy.

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QUESTIONS?

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