



# Solid Waste Management Facility Siting Study

Solid Waste Advisory Committee (SWAC) Meeting

June 20, 2023





# Agenda

- Welcome
- Review/ Approve May Meeting Minutes
- Public Comment
- Bureau of Land Management (BLM) site consideration update
- Phase 2 screening update
- Communications and outreach update
- **Adjourn at 10:00 a.m. for Public Open House Event till Noon**



# Public Comments

3 minutes per person

Based on number of people wishing to comment

Written comments can also be sent to:

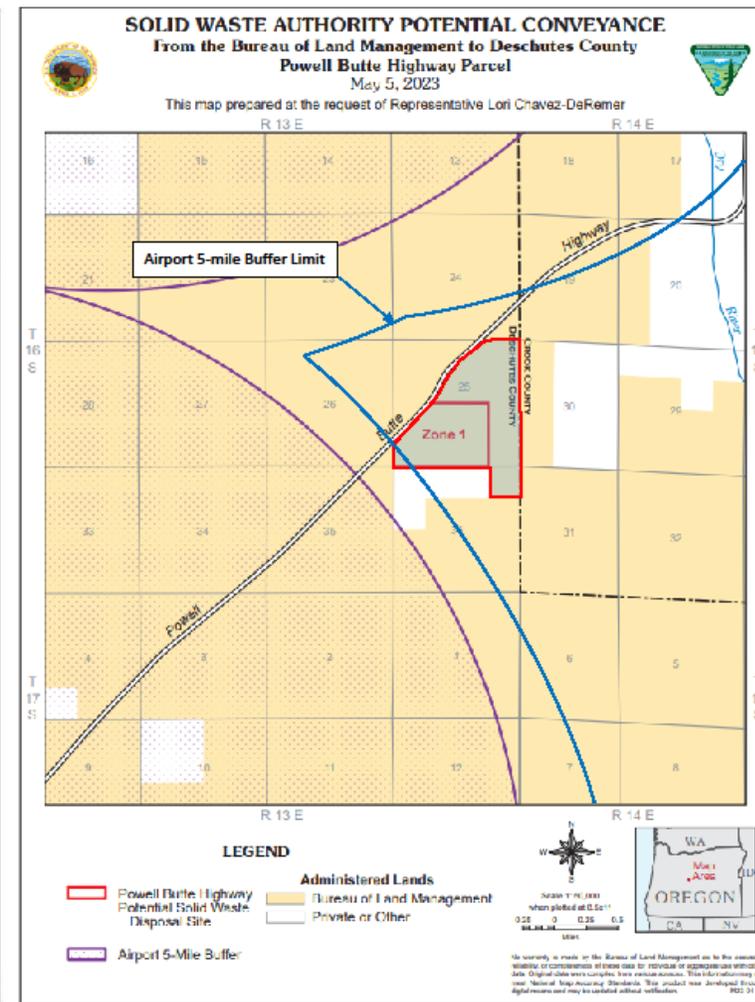
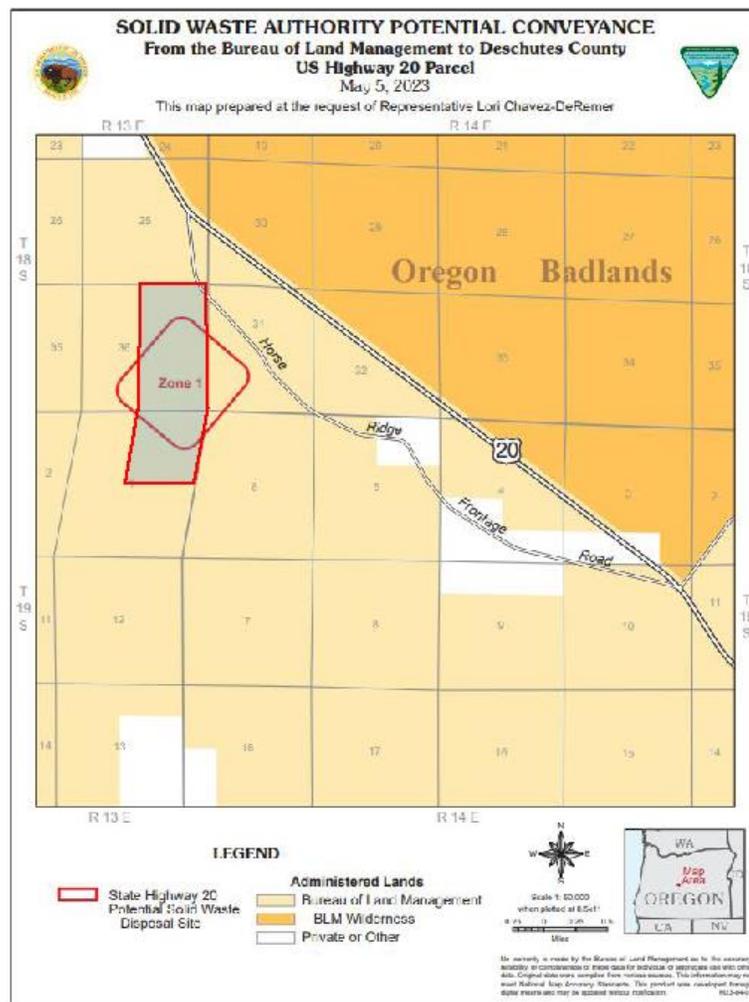
[managethefuture@deschutescounty.gov](mailto:managethefuture@deschutescounty.gov)



# Bureau of Land Management (BLM) Site Update

## Two other BLM site options:

- Powell Butte Hwy (PBH)
- Hwy 20





# Siting Process Phase 2

## Goals:

Differentiate (score) sites and support Land Use applications and DEQ Site Characterization Report for selected site.

- A. Conceptual Master Plan and Preliminary Engineering
- B. Capital & Operational Cost Analysis
- C. Site Development and Permitting Assessment (Land Use and Environmental)
- D. Transportation System Assessment
- E. Water Infrastructure Assessment
- F. Electrical Power Supply Review
- G. Flood Risk Desktop Review
- H. Geology/Hydrogeology Assessment
- I. Geotechnical Investigations
- J. Environmental Assessment Phase I
- K. Air Quality Weather and Air Quality Desktop Review
- L. Natural Resources Assessment
- M. Archaeology and Cultural Heritage Assessment



# Communications Update

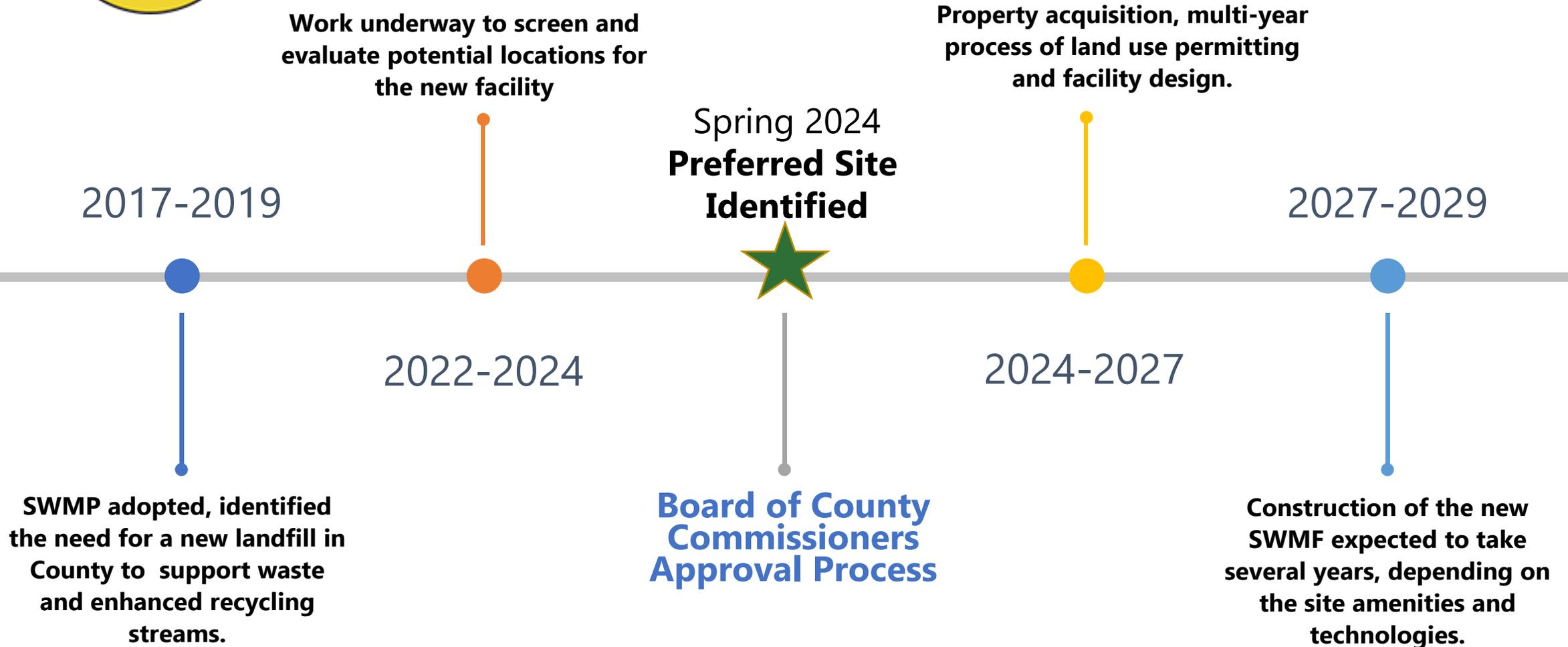


# Public Outreach

- Continued communications to interested parties via email
- Project Story Map: [deschutes.org/solidwasteplanning](https://deschutes.org/solidwasteplanning)
- Upcoming Public Meetings
  - June Expanded SWAC Meeting: Tuesday, June 20<sup>th</sup> 9am-12pm
  - SWMF Siting Open House: Monday, September 11<sup>th</sup> 5:30-7:00pm
- Targeted communications to nearby property owners



# Roadmap to Opening in 2029





# Managing the Future of Solid Waste

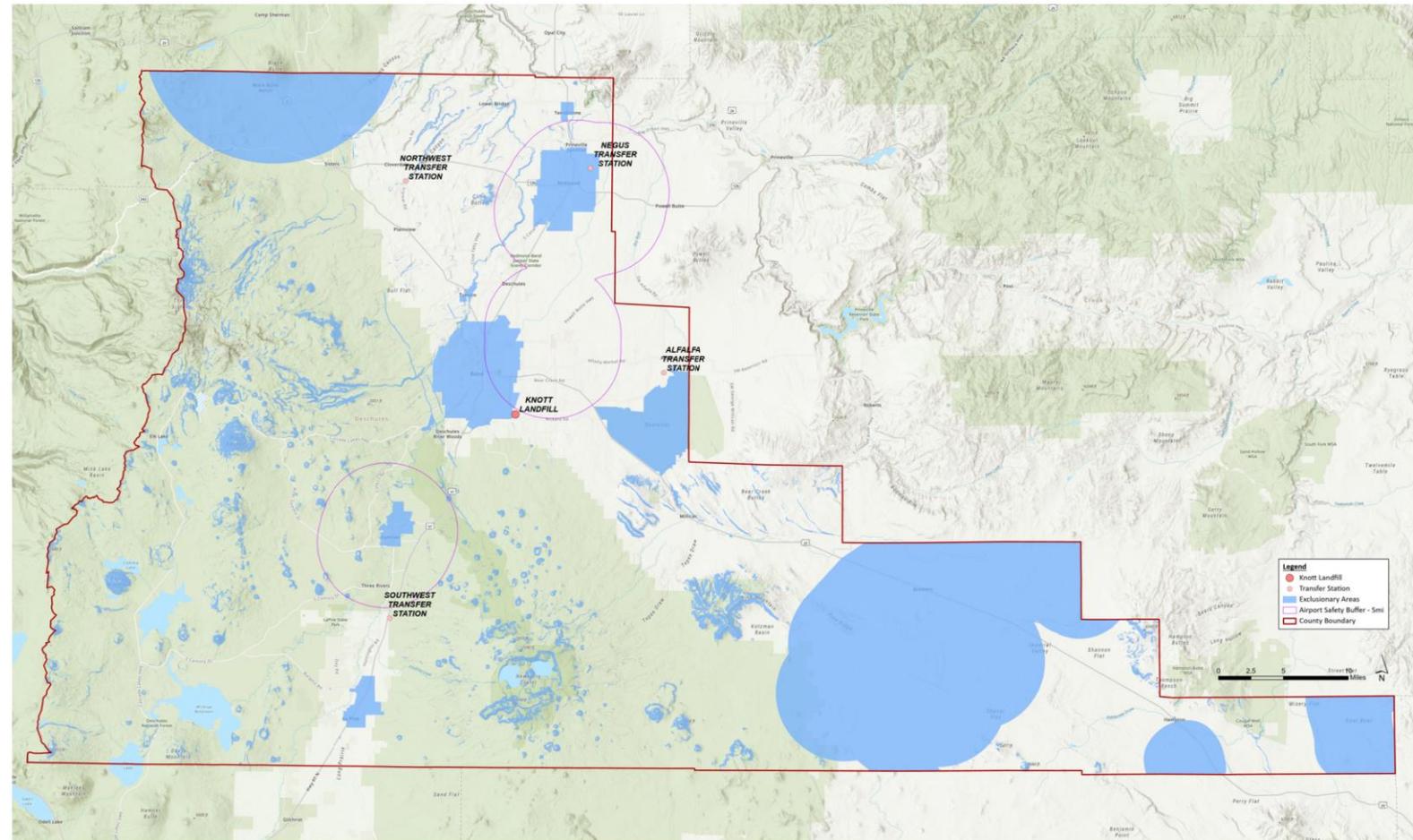
## 1 Countywide Screening of Exclusionary Areas

*Through a countywide review, we identified and screened out areas where it would not be feasible to permit and develop a new Solid Waste Management Facility due to federal and state regulatory restrictions.*

Areas excluded from consideration include:

- Locations within airport buffers (Airport Safety Buffer shown)
- Floodplains
- Steep slopes
- Core sage grouse habitat
- Urban growth boundaries
- Holocene fault zones

The map shows the combined exclusionary areas in blue.



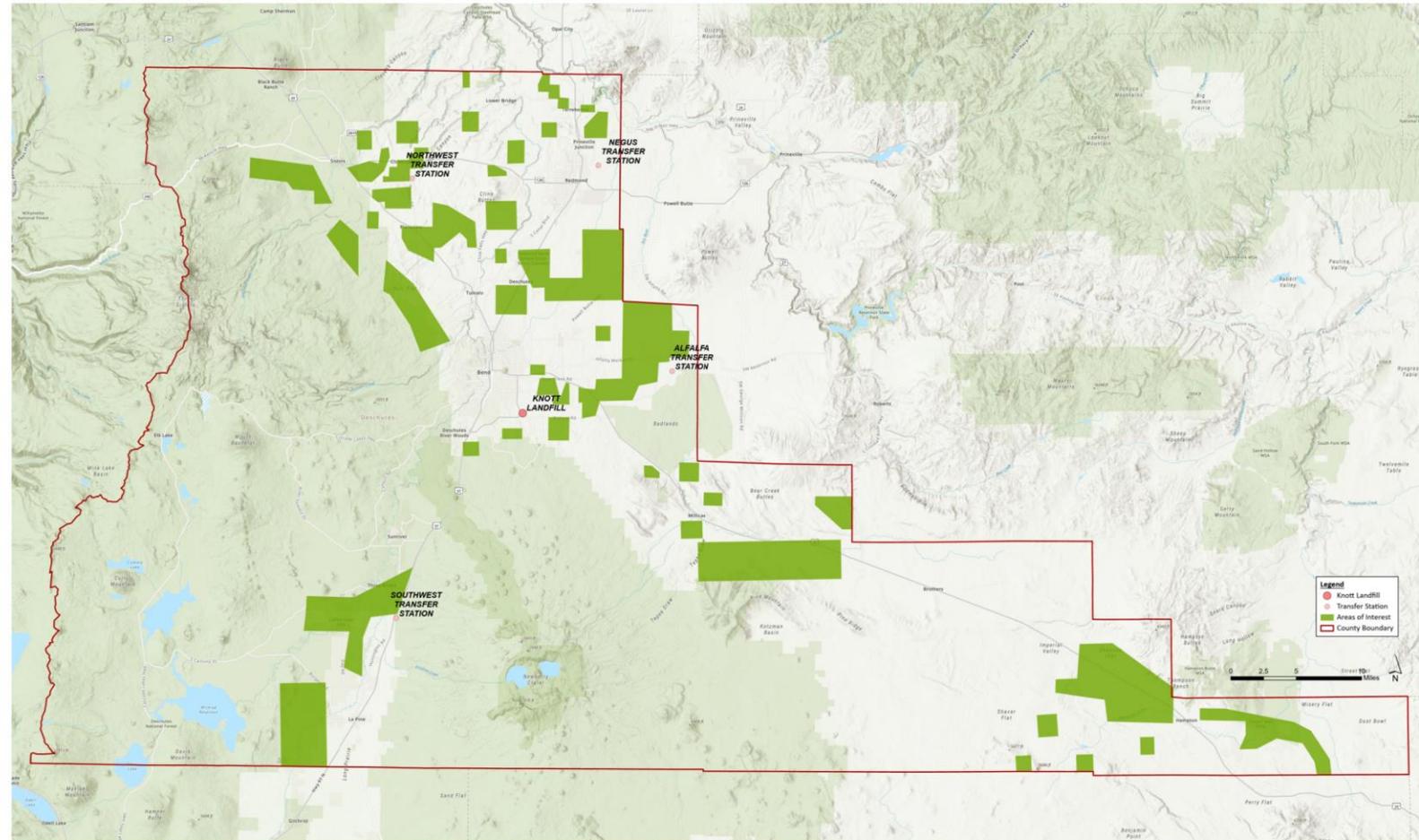


# Managing the Future of Solid Waste

## 2 Countywide Areas of Interest

*After eliminating the exclusionary areas, we identified areas of interest where it may be technically feasible to permit and develop a landfill.*

Areas of Interest are shown in green.





# Managing the Future of Solid Waste

## 3 Broad Screening Evaluation

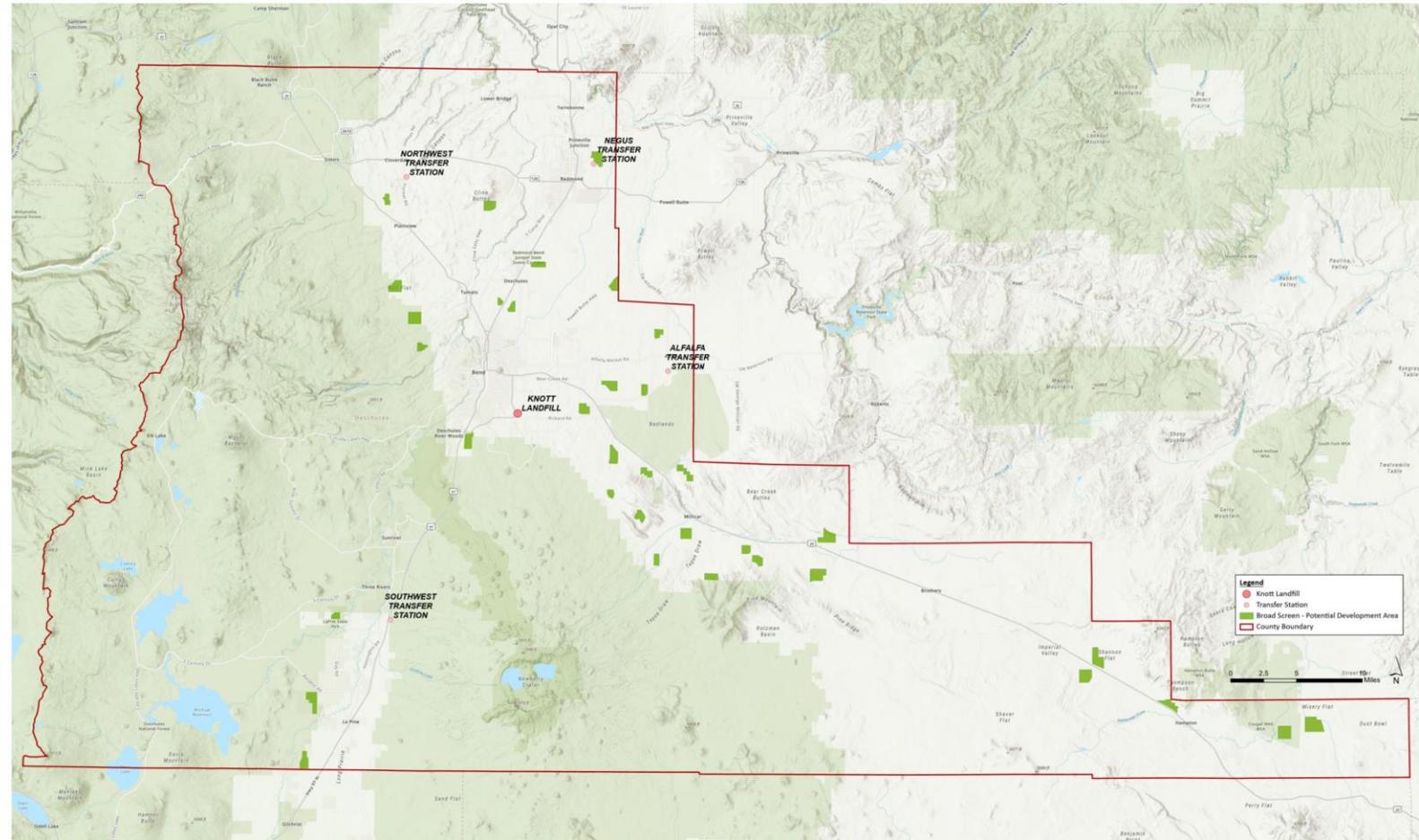
*We identified 31 potential sites for further study in the areas of interest that had no known fatal flaws, sufficient acreage, and adequate buffers for a Solid Waste Management Facility.*

Within the areas of interest, the County identified 31 potential sites for broad screening. These were sites with:

- No known fatal flaws
- Sufficient acreage to accommodate a Solid Waste Management Facility
- Adequate buffers to adjacent properties and wells

The County evaluated these 31 sites using technical analysis and the siting criteria and eliminated sites that were less suited to landfill permitting and development.

These sites are shown in green.





# Managing the Future of Solid Waste

## 4 Focused Screening Evaluation

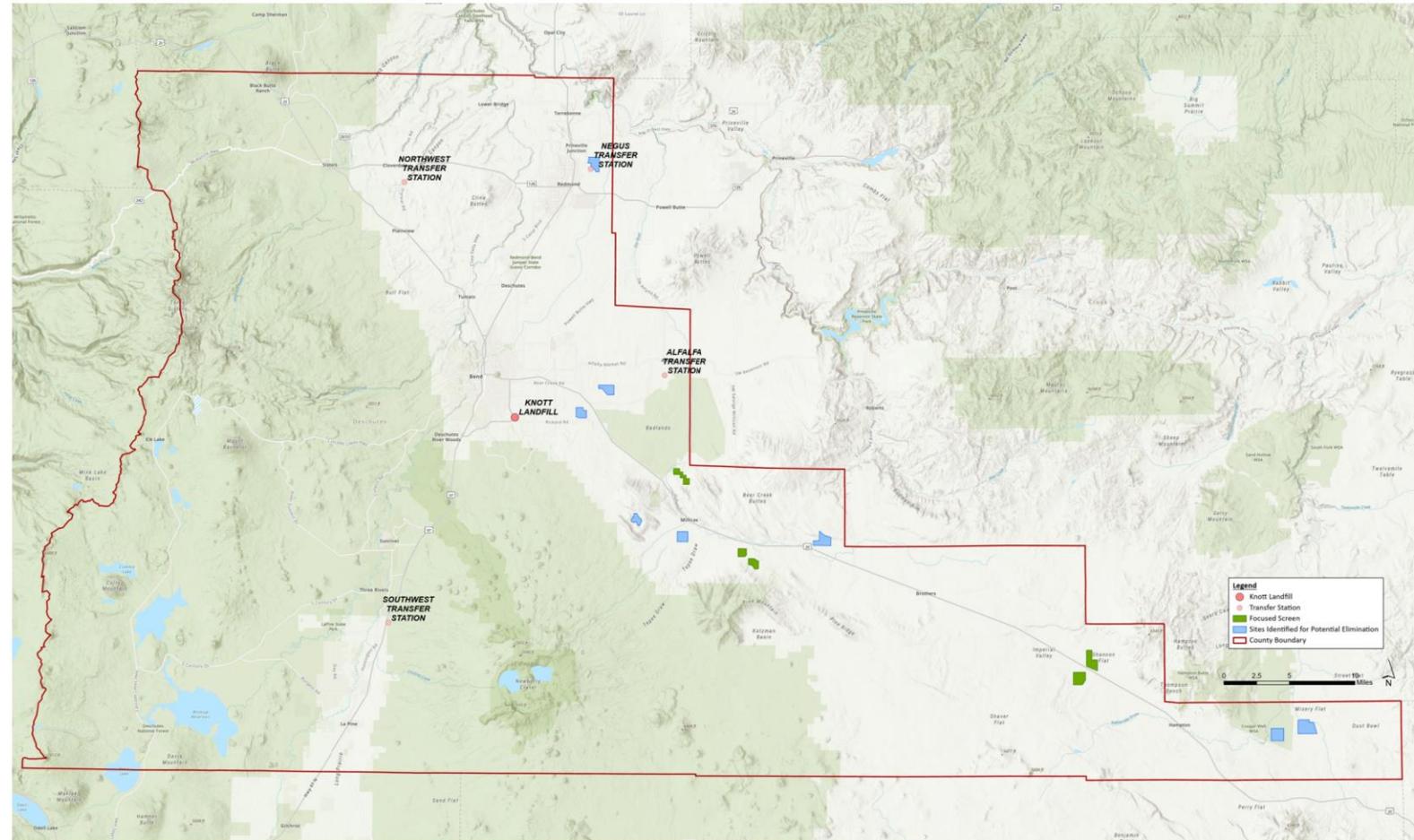
*Through detailed technical analysis, the 31 sites were narrowed to a list of 12, one site was added, and eight removed from consideration resulting in a list of five potential sites.*

After identifying 12 potential sites, an additional site near Millican was added to the focused screening evaluation.

Three of these 13 sites were removed because of recommendations from the Federal Aviation Administration. Another five sites were removed due to property owner requests and other practical flaws.

The remaining five candidate sites shown in green were analyzed and compared in terms of:

- Landfill siting criteria
- Qualitative cost factors
- Proximity to residences





# Managing the Future of Solid Waste

## 5 Final Site Evaluations

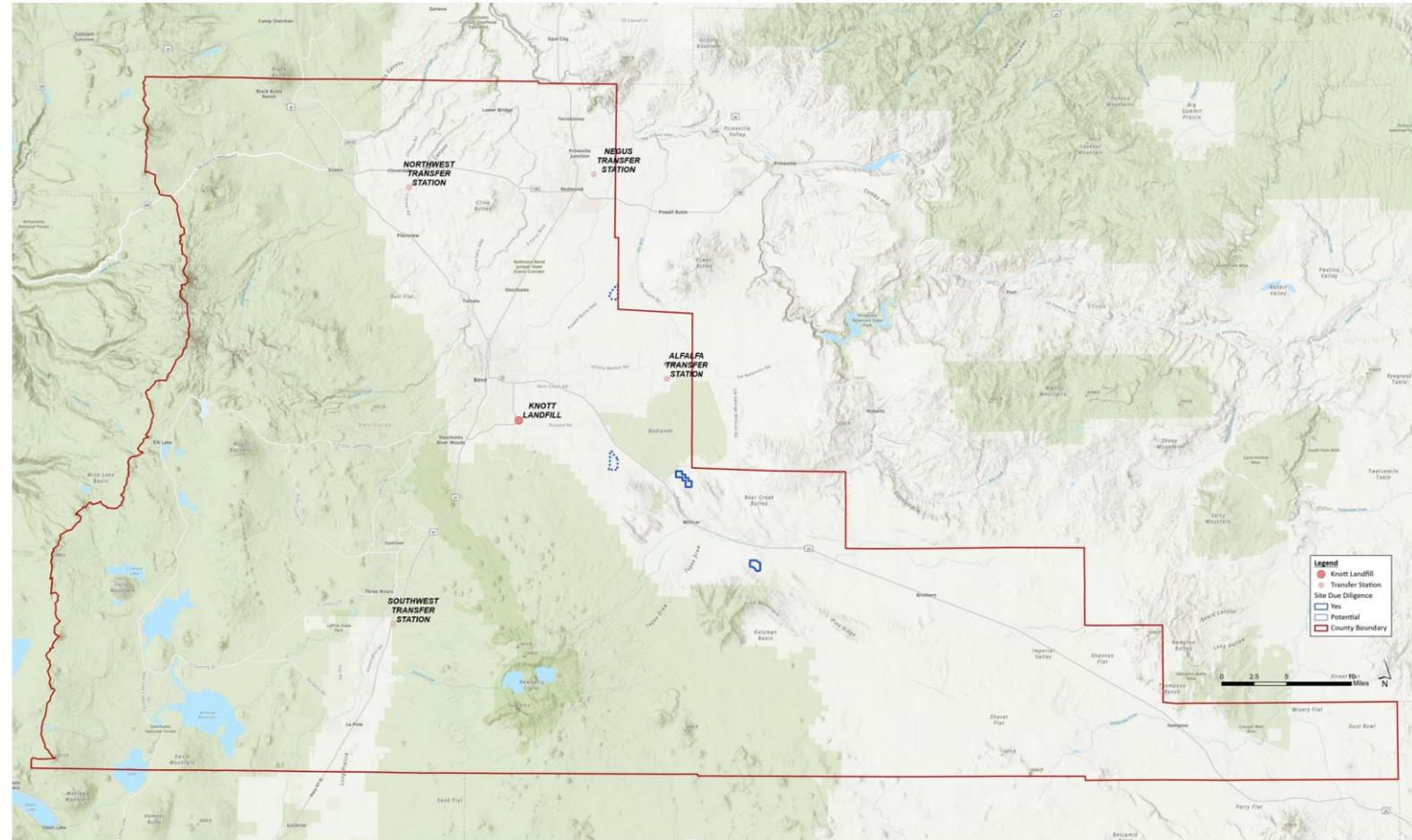
*Based on the focused screening results, the Solid Waste Advisory Committee approved two finalist sites for deeper technical analysis: Moon Pit and Roth East.*

Final site evaluations will involve more detailed technical analysis, including:

- Geotechnical and cultural investigations
- Comparison of potential development and operational costs
- Analysis of proximity to residences
- Confirmation of site acquisition potential

The Solid Waste Department and its consultant team are working with the Bureau of Land Management (BLM) and Congressional representatives on the possible acquisition of BLM property for a candidate site.

One of the three BLM sites under consideration off Highway 97 between Bend and Redmond was eliminated due to expansion plans for the Redmond Airport. The other two sites will undergo more detailed analysis to assess their suitability.





# Adjourn

