



Rhyolite Ridge Project
Esmeralda County, Nevada

 NewFields

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1



Outline of Presentation

- ❖ NewFields Overview
- ❖ Ioneer Exploration and Baseline Studies
- ❖ Quarry Layout and Buckwheat Avoidance
- ❖ Other Successful Buckwheat Protection Plans

12

2

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NewFields Overview

- ❖ Consulting scientists and engineers
- ❖ Nevada offices in Reno, Elko
- ❖ Provided a variety of services to loneer since 2018
- ❖ Involved in resource drilling, baseline studies, botanical support, permitting, and engineering design for Rhyolite Ridge

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3

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loneer Exploration and Baseline Studies

- ❖ 30,000 feet of core drilling (to characterize the resource) completed by loneer 2018 - 2019
- ❖ Multidisciplinary baseline studies completed in the area to support permitting efforts 2016 - 2020
- ❖ Specific efforts made to avoid harming TBW during the field efforts:
 - ❖ Emphasized during tailgate safety meetings
 - ❖ Drill locations planned to avoid mapped TBW locations
 - ❖ Angled drill holes used to reduce the number of drill pads
- ❖ No impacts to TBW occurred due to loneer's field studies

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4

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Proposed Quarry Layout

- ❖ Ioneer altered original development plan to avoid TBW Population 3 (P3)
- ❖ Performed extensive evaluation of other potential TBW avoidance measures
- ❖ Complete avoidance of TBW impractical from engineering and practicality standpoints





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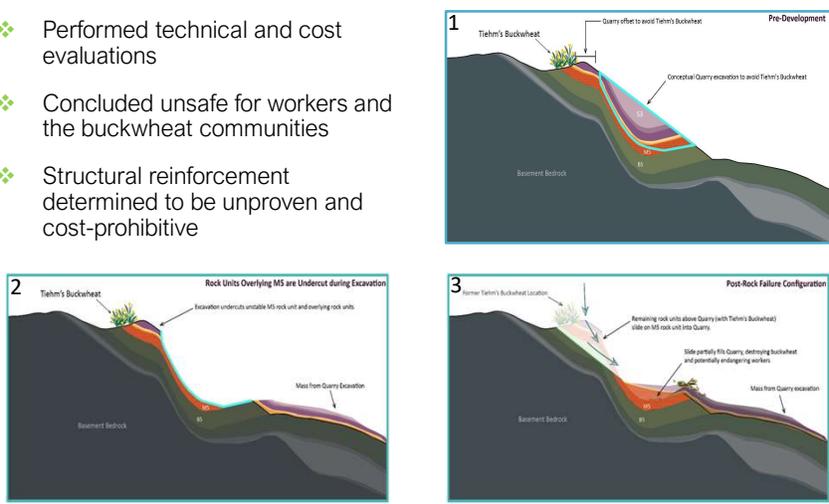
| 5

5

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Buckwheat Avoidance Analysis

- ❖ Performed technical and cost evaluations
- ❖ Concluded unsafe for workers and the buckwheat communities
- ❖ Structural reinforcement determined to be unproven and cost-prohibitive



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| 6

6

Other Successful Buckwheat Protection Plans

- ❖ Management Plan for the *Steamboat Buckwheat*. Washoe County, NV. 2005.
- ❖ Lower Colorado River Multi-Species Conservation Program: *Sticky Buckwheat Habitat* Conservation Plan. Sacramento, CA. 2004.
- ❖ Carbonate Habitat Management Strategy for *Cushenbury Buckwheat*. San Bernardino National Forest, CA. 2003.
- ❖ The Clark County Multiple Species Habitat Conservation Plan (includes *Las Vegas Buckwheat*). Clark County, NV. 1996.



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17