# IDAHO MINING AND EXPLORATION, 2003 SUPPLEMENTAL DOCUMENT

Earl H. Bennett
Virginia S. Gillerman

FINAL REPORT COMPILED AND FORMATTED BY

Jacob A. Eldredge
Haley L. Nelson
Christopher A. Tate

***These figures supplement Staff Report S-24-14.***
***This document updates and replaces 2003RDp.***

Staff Report 24-14 Suppl.
April 2024

Idaho Geological Survey
Morrill Hall, Third Floor
University of Idaho
Moscow, Idaho 83844-3014

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*Staff Reports present timely information for public distribution. This publication may not conform to the agency's standards.*

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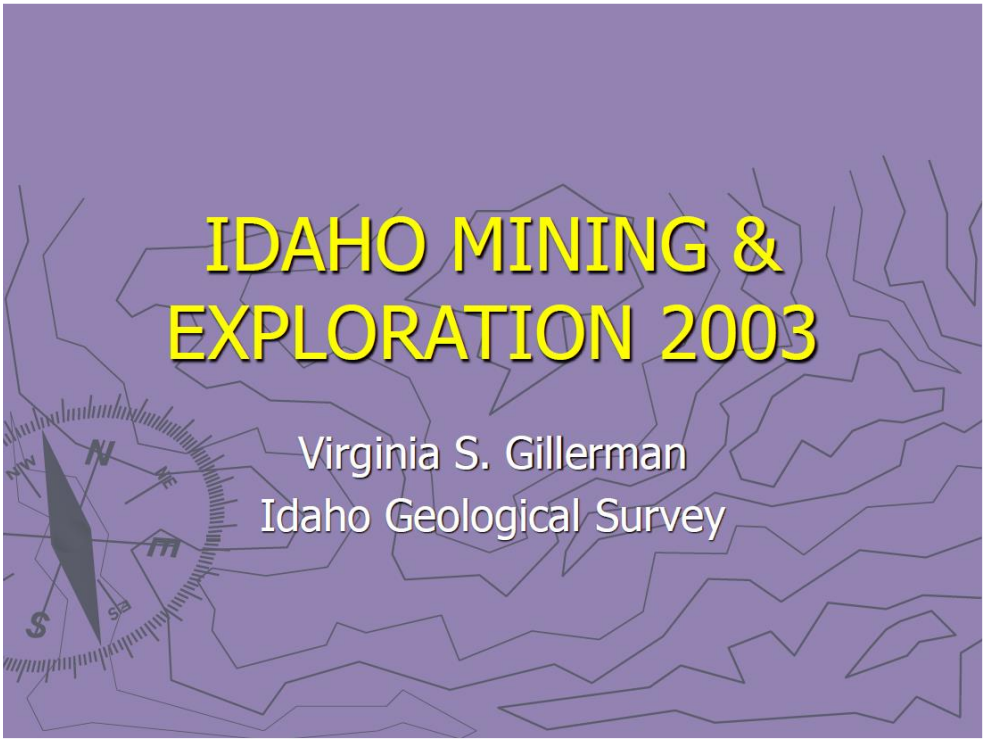
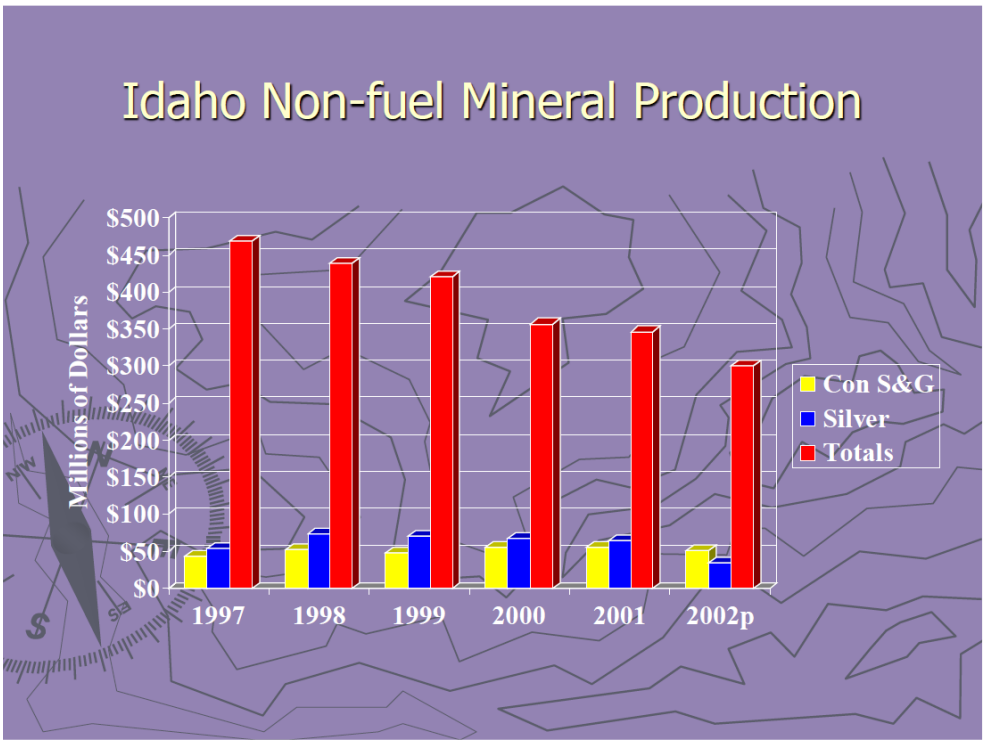
# TABLE OF FIGURES

Slide 1. Title. ..... 1
Slide 2. Idaho Non-fuel Mineral Production. ..... 1
Slide 3. Idaho Raw Ore Production. ..... 2
Slide 4. Summary. ..... 2
Slide 5. Idaho Mining Association Turns 100. ..... 3
Slide 6. Active Mines and Plants. ..... 3
Slide 7. The Silver Valley. ..... 4
Slide 8. Lucky Friday Mine and Gold Hunter Deposit. ..... 4
Slide 9. Galena Mine. ..... 5
Slide 10. Galena Mine, 2400 Level. ..... 5
Slide 11. Geologist with Drillers, 2400 Level, Galena Mine. ..... 6
Slide 12. Galena 5500 Level, 72 Vein, Polaris Fault. ..... 6
Slide 13. Bunker Hill Mine. Mining Pyromorphite Crystals. ..... 7
Slide 14. Sunshine Mine closed 2001. Over 350 million ounces silver. ..... 7
Slide 15. Sunshine Saga. ..... 8
Slide 16. Bunker Hill Superfund. ..... 8
Slide 17. Phosphate District. ..... 9
Slide 18. Smoky Canyon Mine, JR Simplot. ..... 9
Slide 19. Simplot's Don Fertilizer Plant, Pocatello. ..... 10
Slide 20. Rasmussen Ridge Mine, Agrium. ..... 10
Slide 21. Agrium Fertilizer Plant. ..... 11
Slide 22. Agrium/Astaris New PPA Plant. ..... 11
Slide 23. Enoch Valley Mine, Monsanto. ..... 12
Slide 24. Reclamation at Monsanto's Enoch Valley Mine. ..... 12
Slide 25. Monsanto Elemental Phosphorus Plant, Soda Springs. ..... 13
Slide 26. Selenium Issues. ..... 13
Slide 27. Active Mines and Plants. ..... 14
Slide 28. Thompson Creek Mine. ..... 14
Slide 29. Gold Mine Reclamation. ..... 15
Slide 30. Industrials. ..... 15
Slide 31. Garnet: Emeral Creek. ..... 16

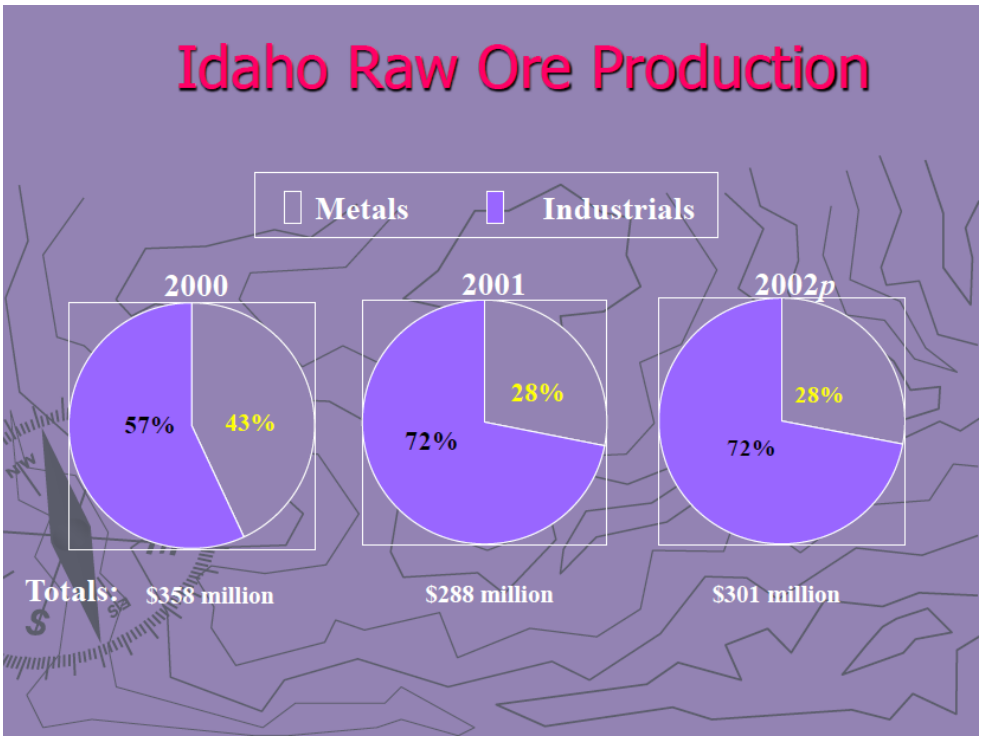
Slide 32. Ash Grove Cement, Inkom. ....16
Slide 33. Hess Pumice, Malad. ....17
Slide 34. Idaho Minerals, Malad. ....17
Slide 35. Industrial Minerals, East ID. ....18
Slide 36. Oakley Stone Quarries. ....18
Slide 37. L & W Stone: 3 Rivers Quarry. ....19
Slide 38. L & W new Distribution Center, Challis. ....19
Slide 39. Aggregate = Big $$$. ....20
Slide 40. Search the IGS Mine and Prospects Database on the Web. ....20
Slide 41. Changing of the Guard. ....21
Slide 42. Exploration. ....21
Slide 43. Exploration. ....22
Slide 44. New Jersey Mining. ....22
Slide 45. New Jersey Mining. ....23
Slide 46. Sterling Mining Company. ....23
Slide 47. Alchemy Ventures. ....24
Slide 48. Rescue and Unity Mines, Warren. ....24
Slide 49. Kimberly Gold Mining. ....25
Slide 50. AIMM, Golden Hand Mine. ....25
Slide 51. Vista Gold Corporation. ....26
Slide 52. Formation Capital Corp. ....26
Slide 53. Exploration. ....27
Slide 54. Nevada Contact. ....27
Slide 55. Nevada Contact. ....28
Slide 56. Atlanta Gold. ....28
Slide 57. Atlanta Gold Corporation. ....29
Slide 58. Acknowledgements. ....29
Slide 59. Looking Ahead. ....30
Slide 60. Thanks. ....30



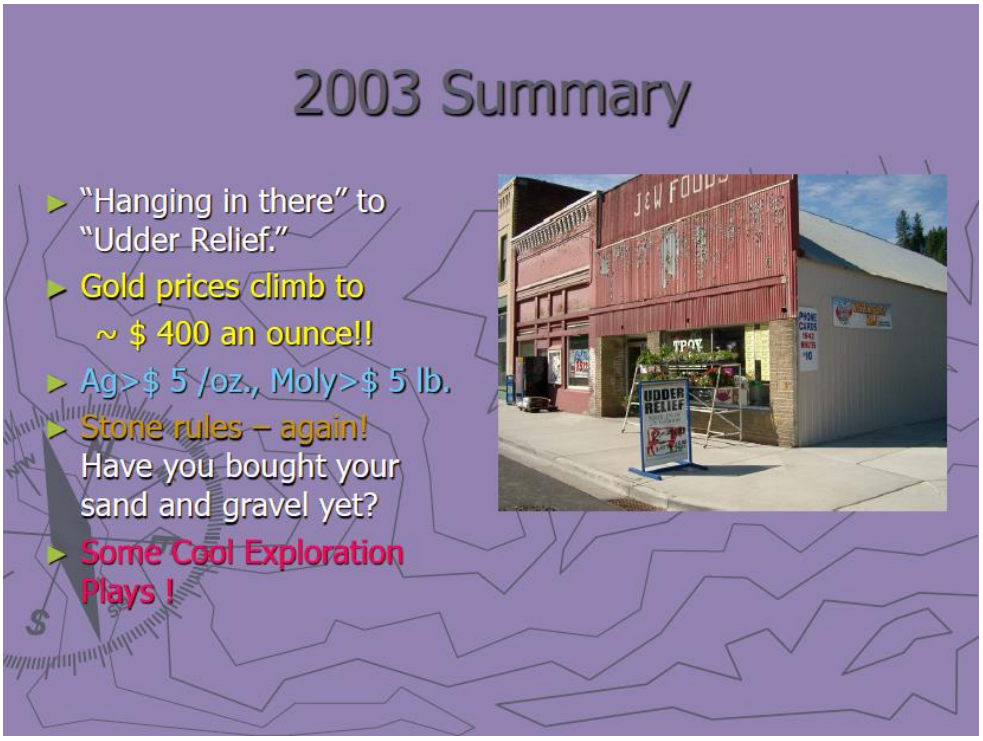

Slide 1. Title.




Slide 2. Idaho Non-fuel Mineral Production.

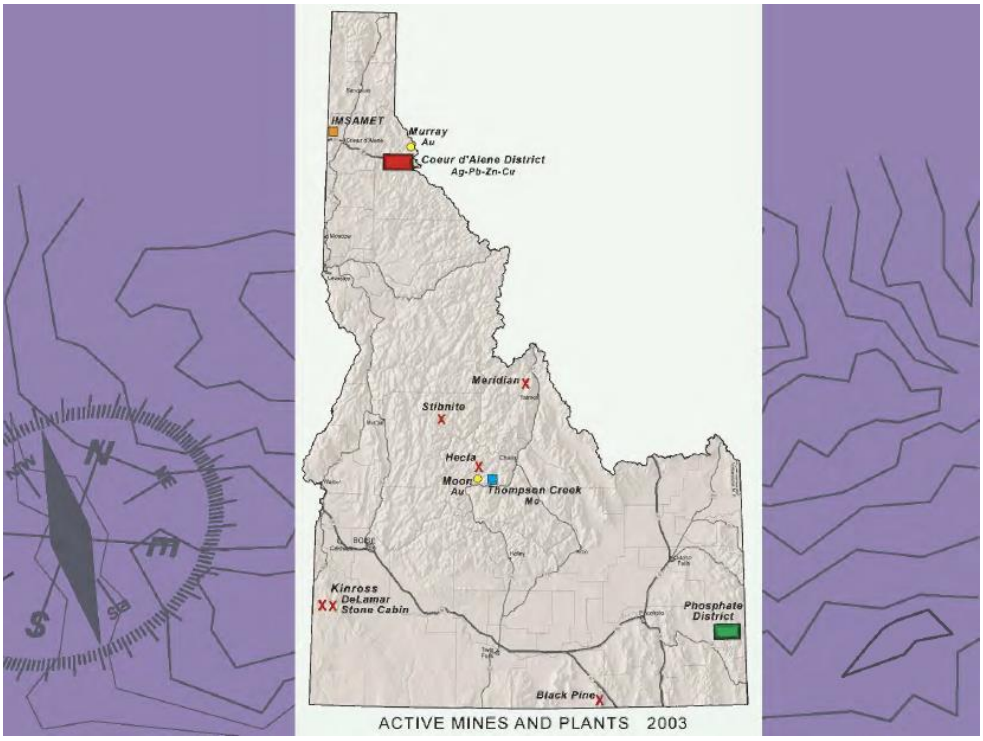



Slide 3. Idaho Raw Ore Production.

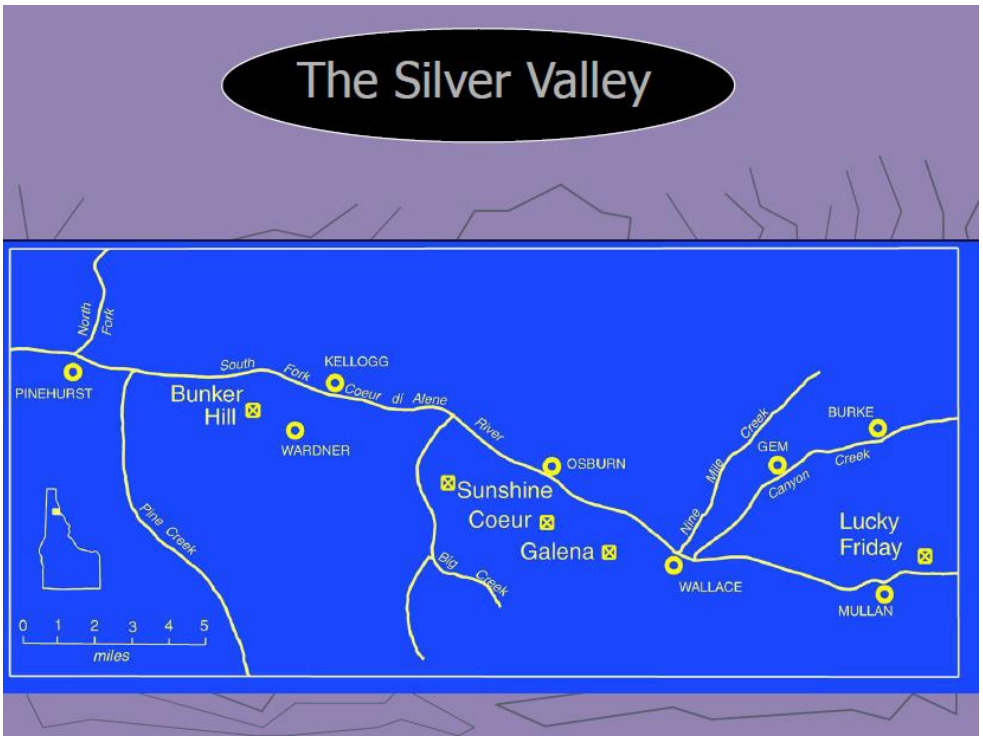



Slide 4. Summary.

Slide 5. Idaho Mining Association Turns 100.

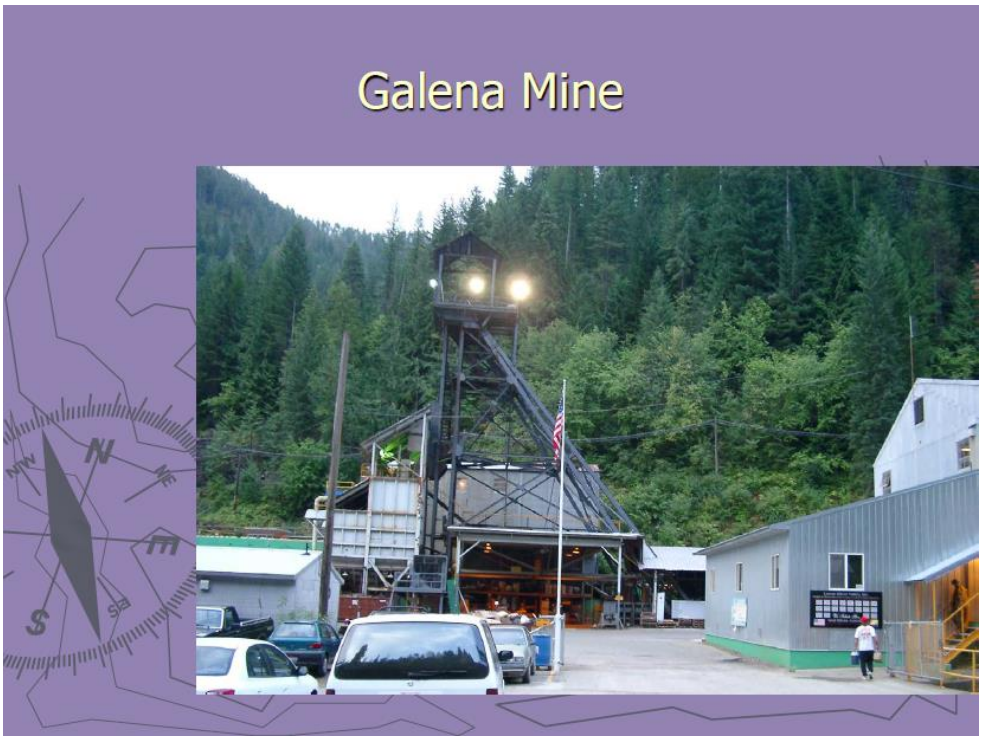



Slide 6. Active Mines and Plants.



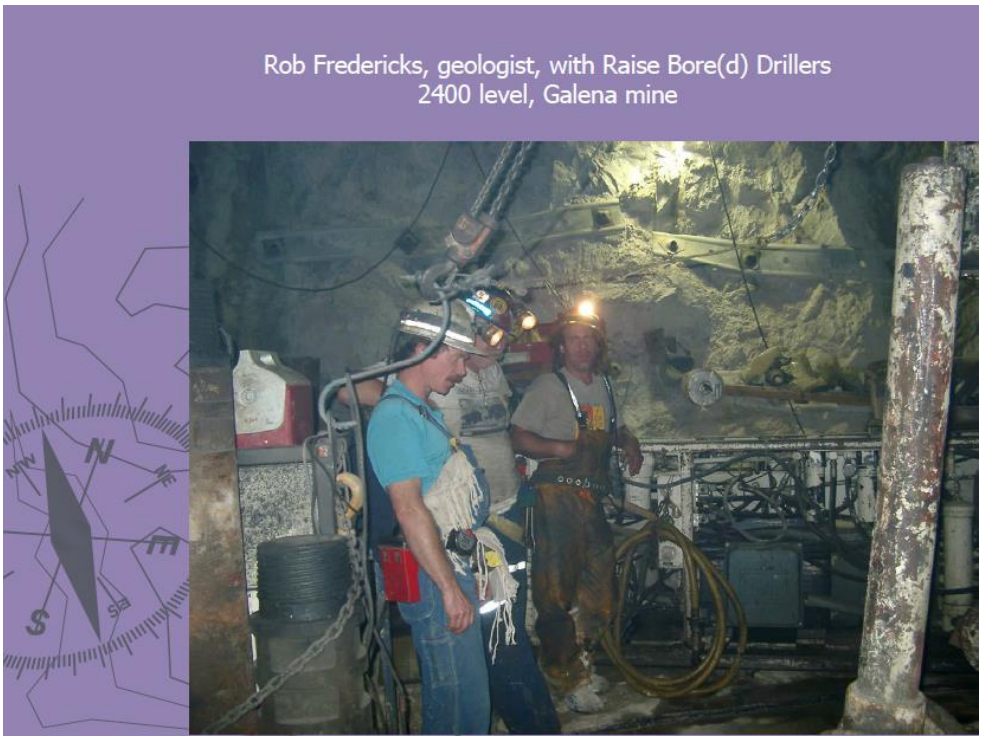
Slide 7. The Silver Valley.

Slide 8. Lucky Friday Mine and Gold Hunter Deposit.



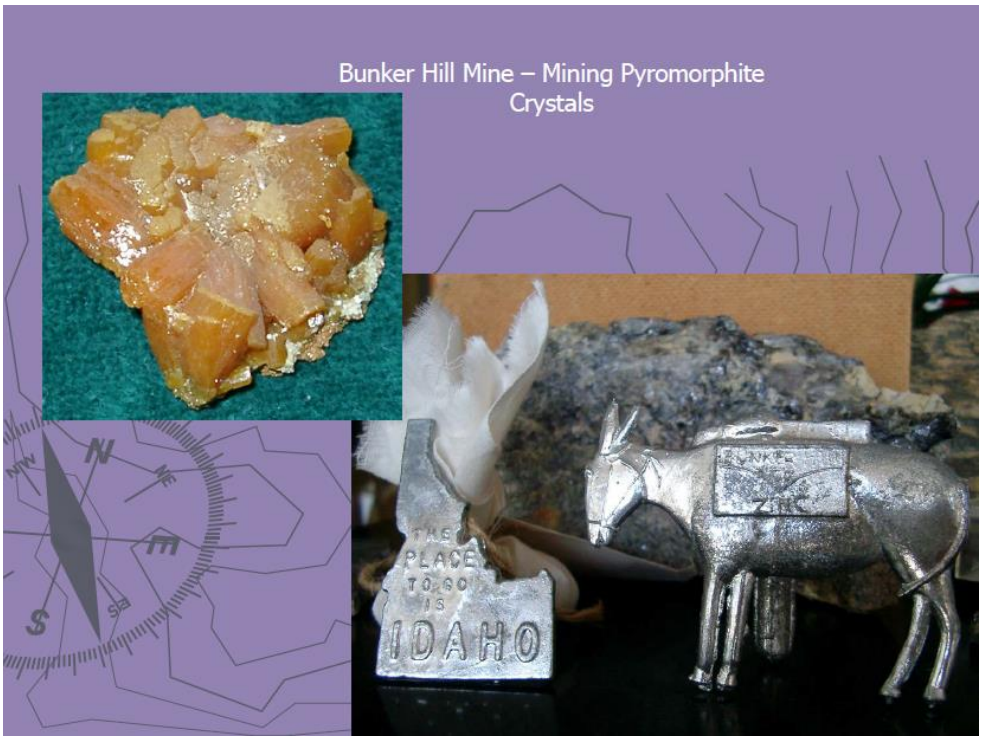

Slide 9. Galena Mine.

Slide 10. Galena Mine, 2400 Level.



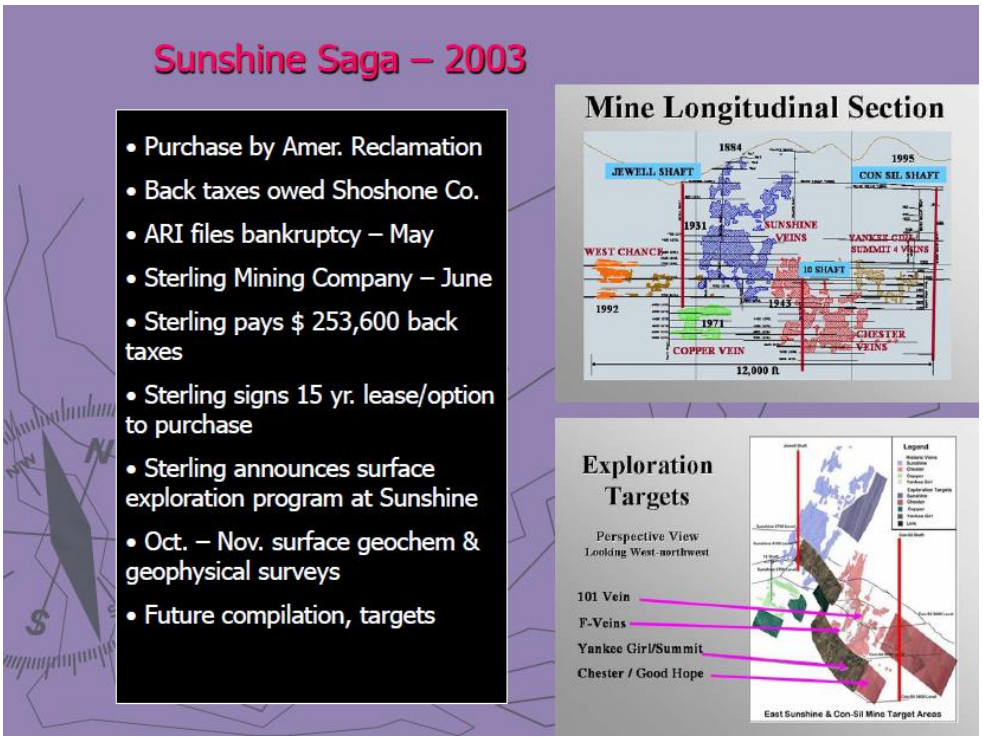

Slide 11. Geologist with Drillers, 2400 Level, Galena Mine.

Slide 12. Galena 5500 Level, 72 Vein, Polaris Fault.

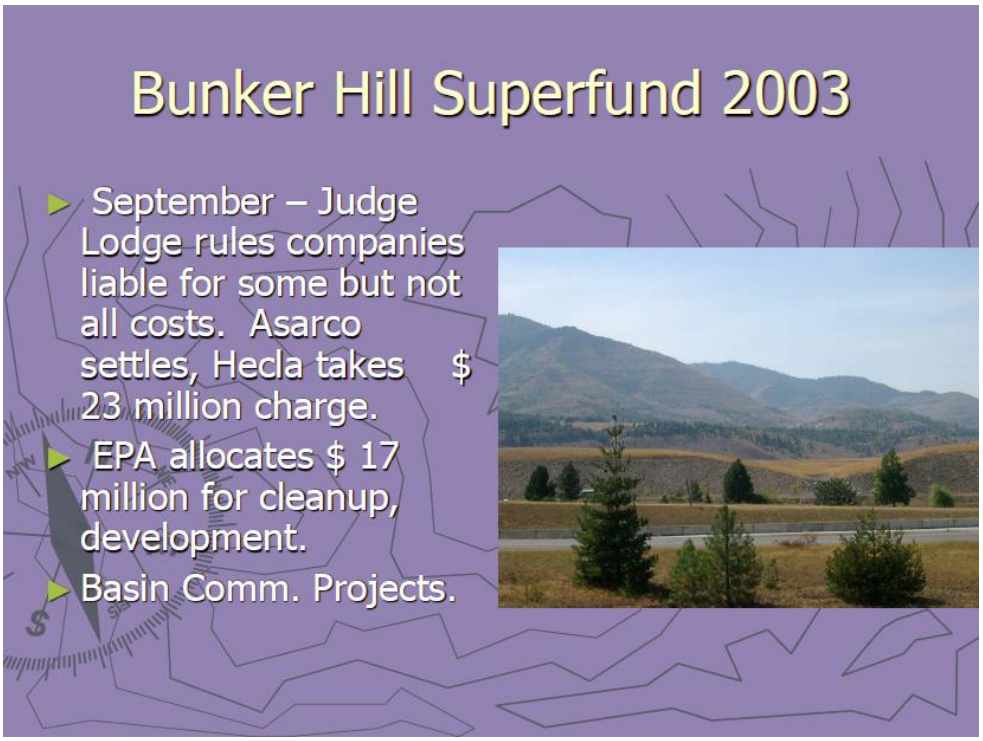



Slide 13. Bunker Hill Mine. Mining Pyromorphite Crystals.

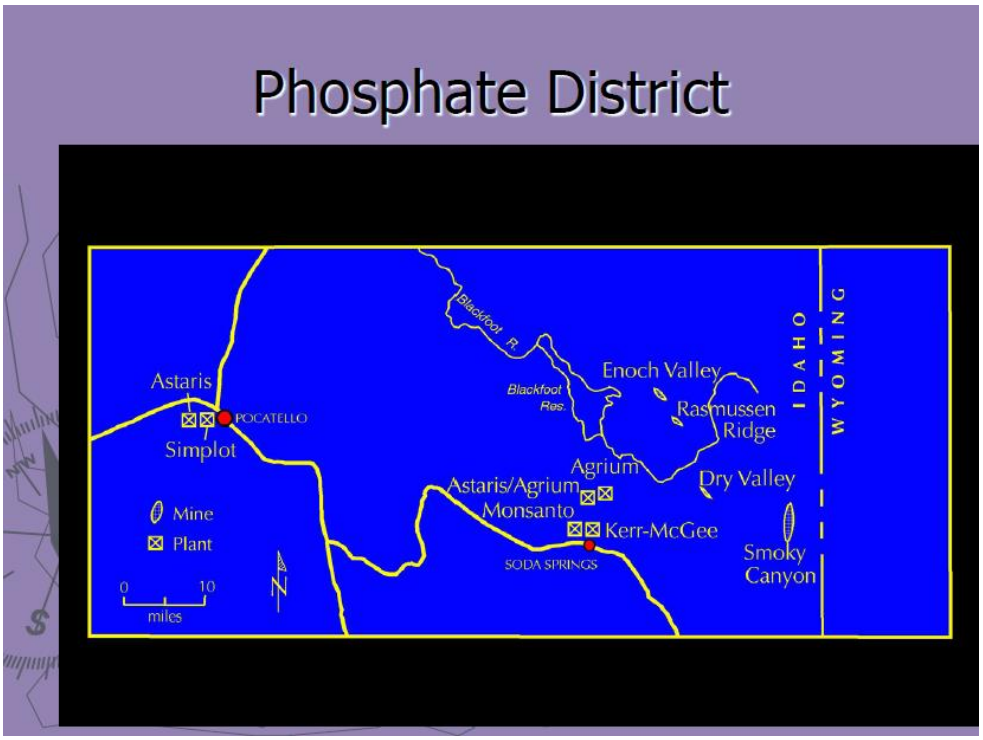
Slide 14. Sunshine Mine closed 2001. Over 350 million ounces silver.



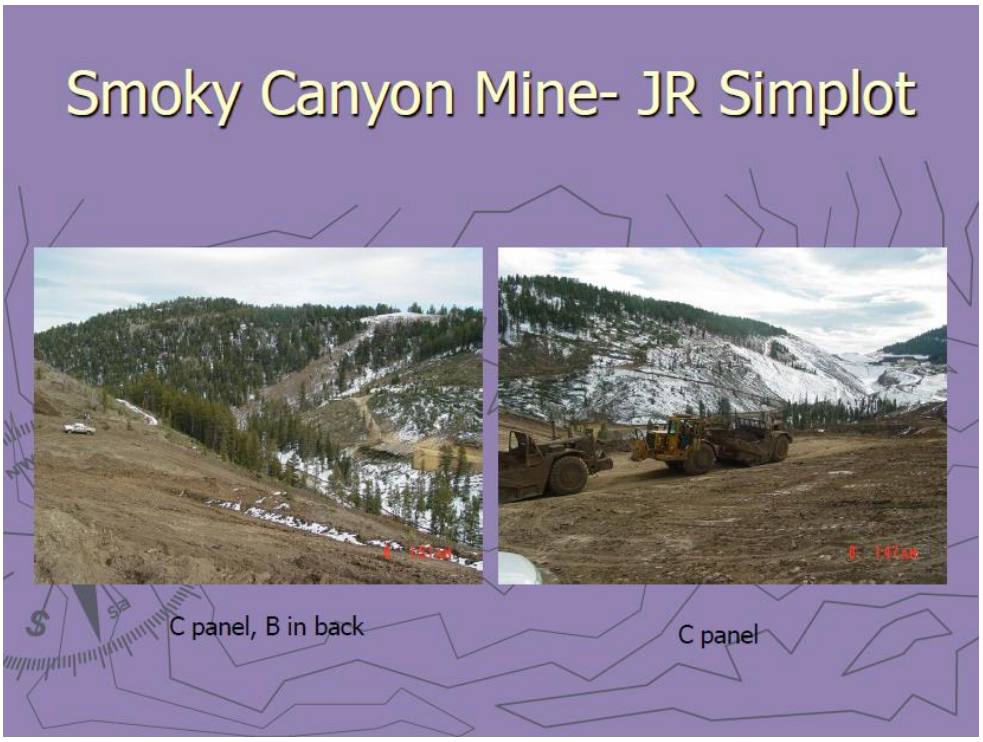

Slide 15. Sunshine Saga.




Slide 16. Bunker Hill Superfund.




Slide 17. Phosphate District.

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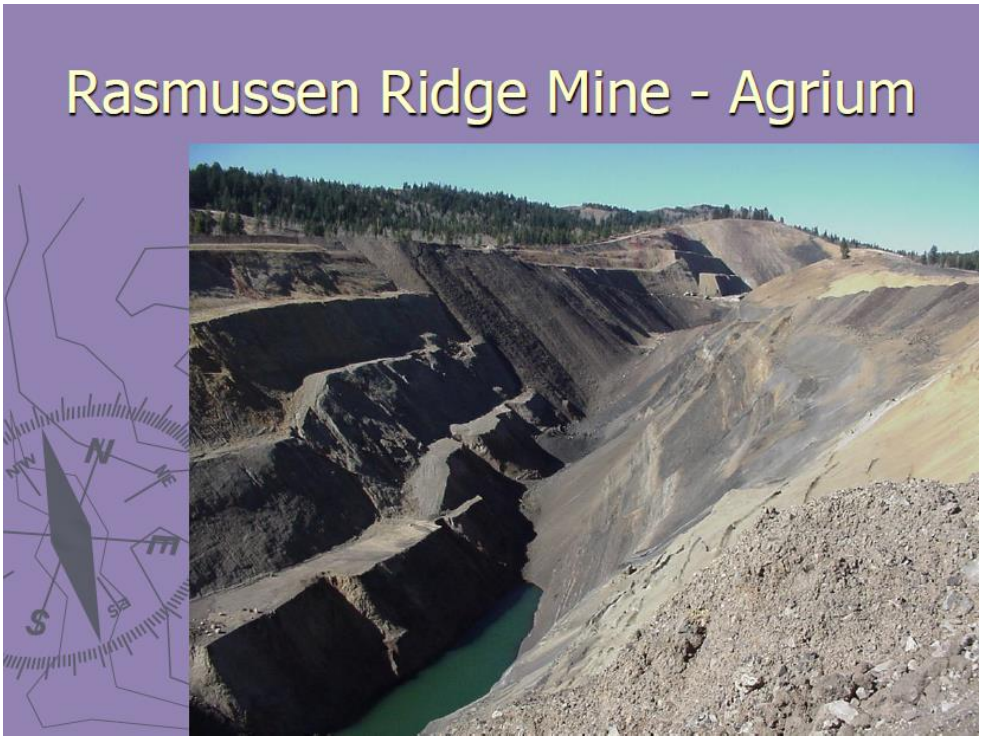
Slide 19. Simplot's Don Fertilizer Plant, Pocatello.

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Slide 21. Agrium Fertilizer Plant.

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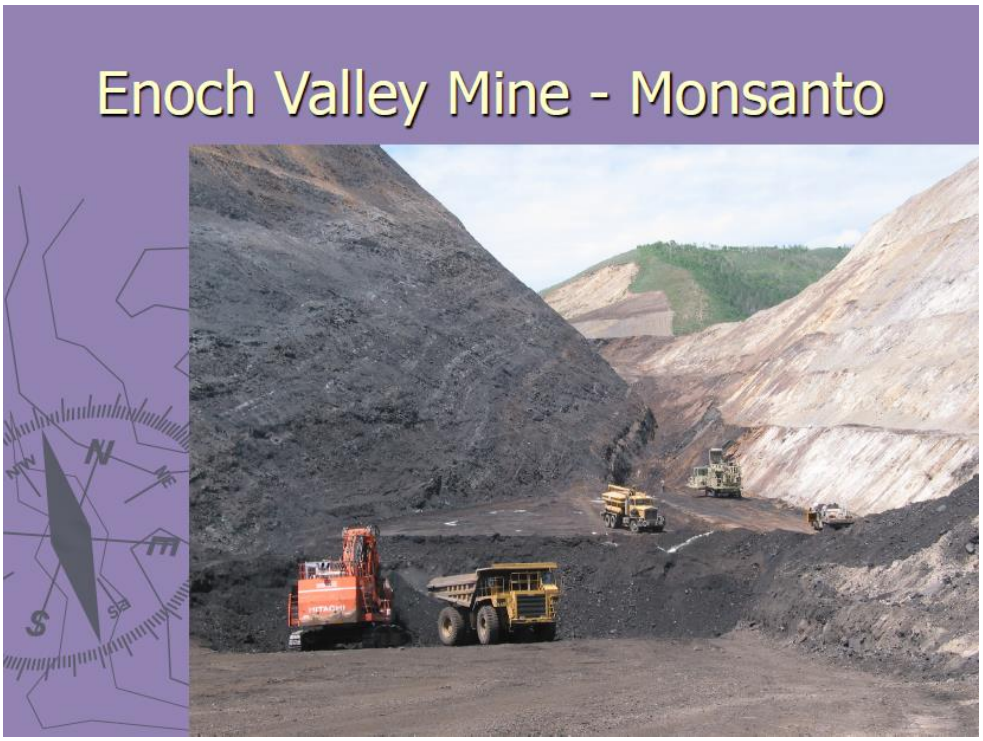



Slide 23. Enoch Valley Mine, Monsanto.

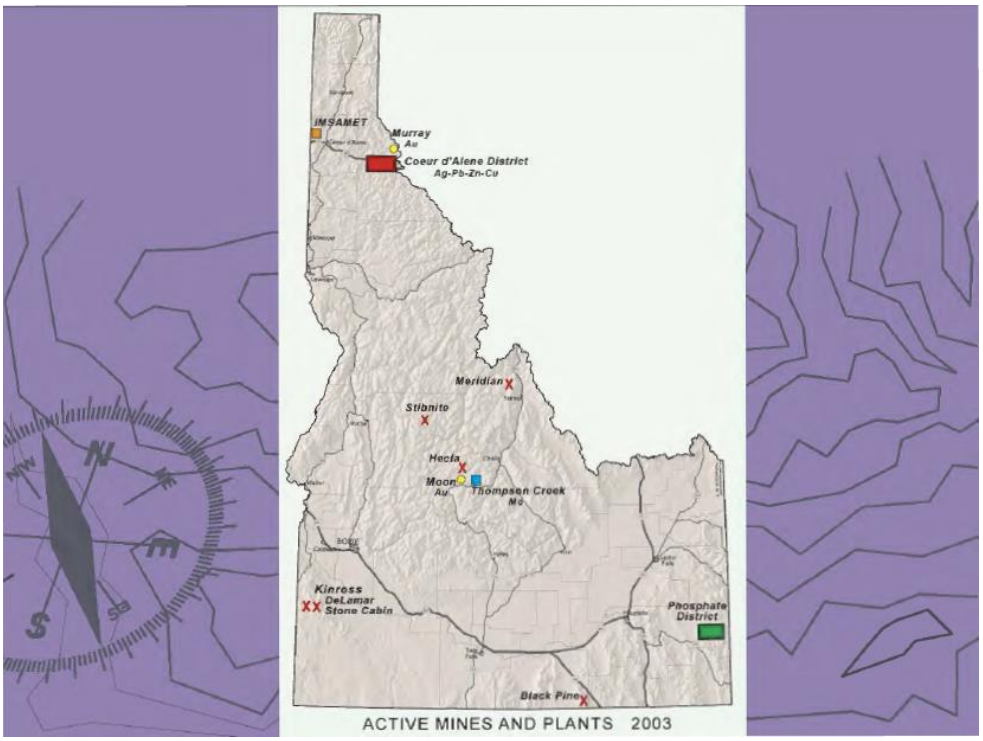
Slide 24. Reclamation at Monsanto's Enoch Valley Mine.

Slide 25. Monsanto Elemental Phosphorus Plant, Soda Springs.

## Selenium Issues

- Plants (asters) are the culprits in sheep deaths. Simplot and UI study provides valuable scientific information.
- Several AOC's signed and rest under discussion.
- Site-specific studies and remediation underway. New mine plans have BMP's.

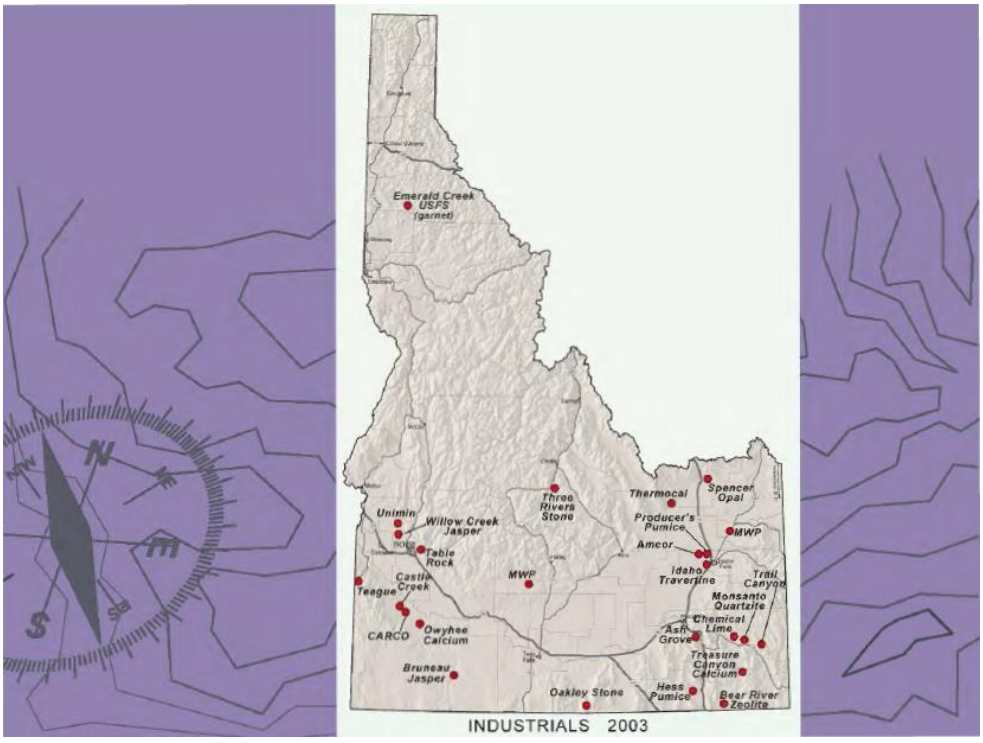
Slide 26. Selenium Issues.



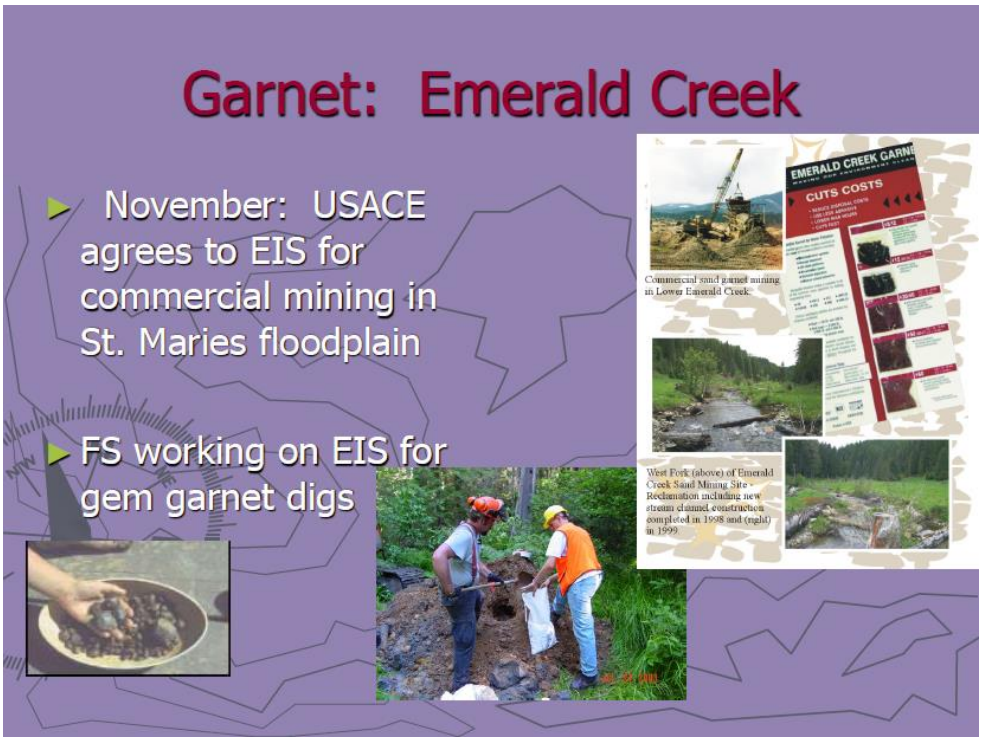
Slide 27. Active Mines and Plants.

Slide 28. Thompson Creek Mine.

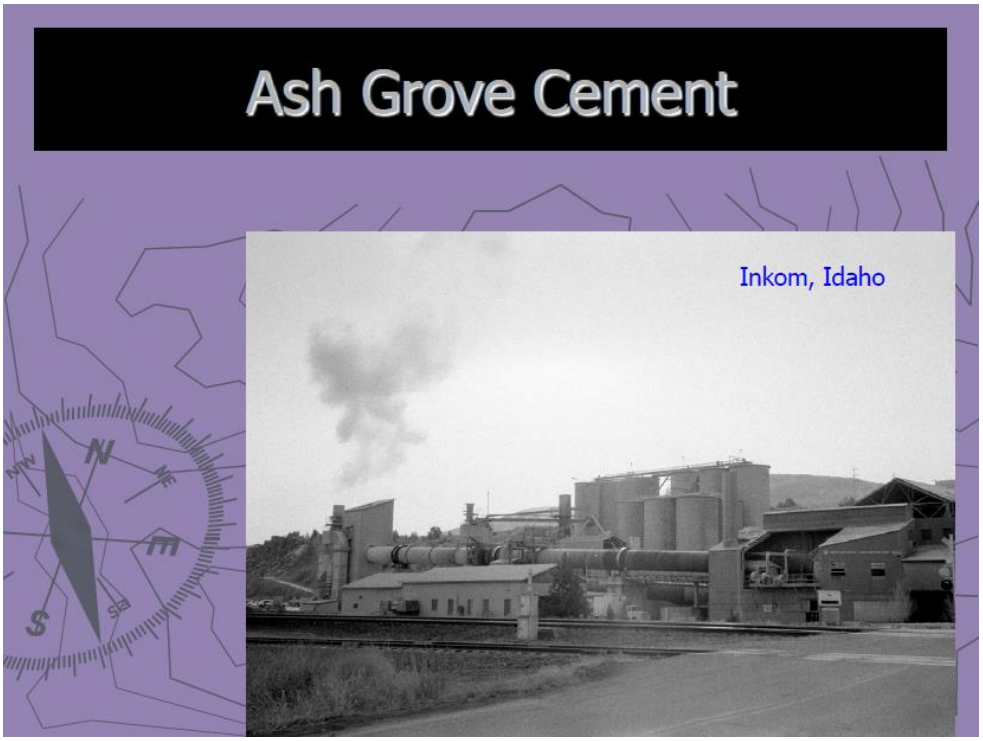
Slide 29. Gold Mine Reclamation.



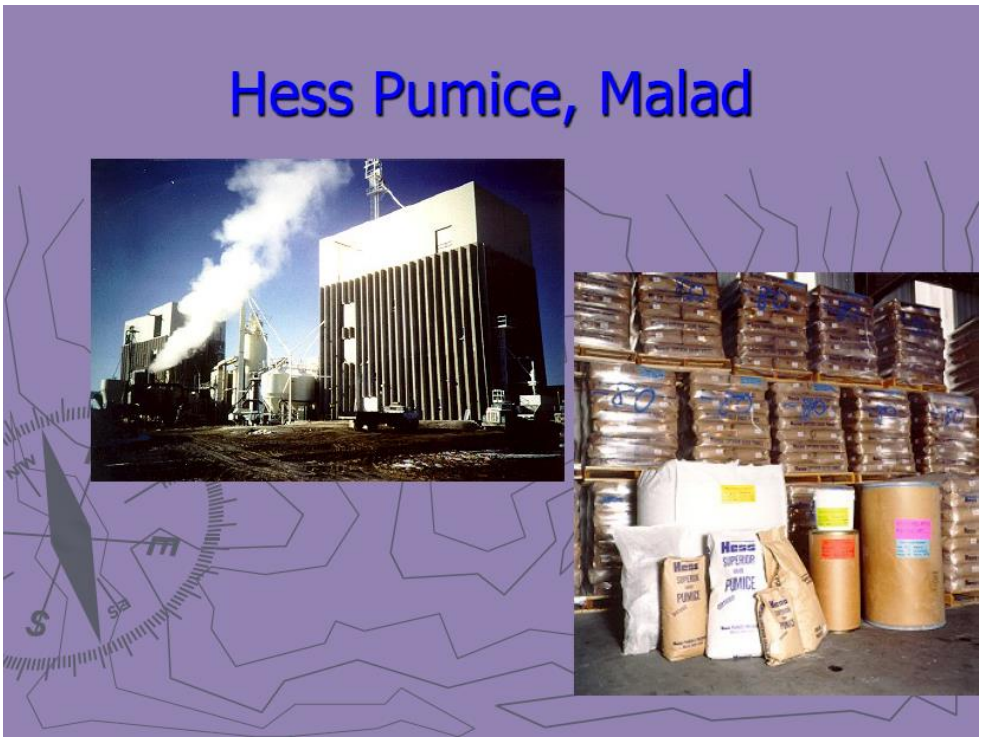

Slide 30. Industrials.




Slide 31. Garnet: Emeral Creek.

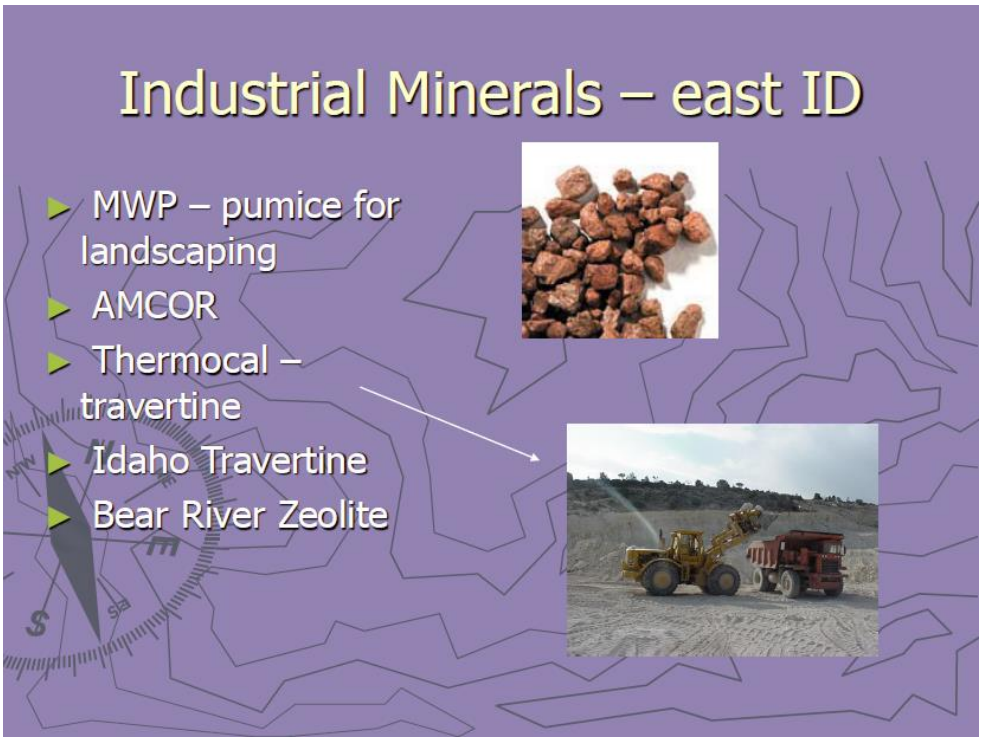



Slide 32. Ash Grove Cement, Inkom.




Slide 33. Hess Pumice, Malad.

Slide 34. Idaho Minerals, Malad.




Slide 35. Industrial Minerals, East ID.

Slide 36. Oakley Stone Quarries.

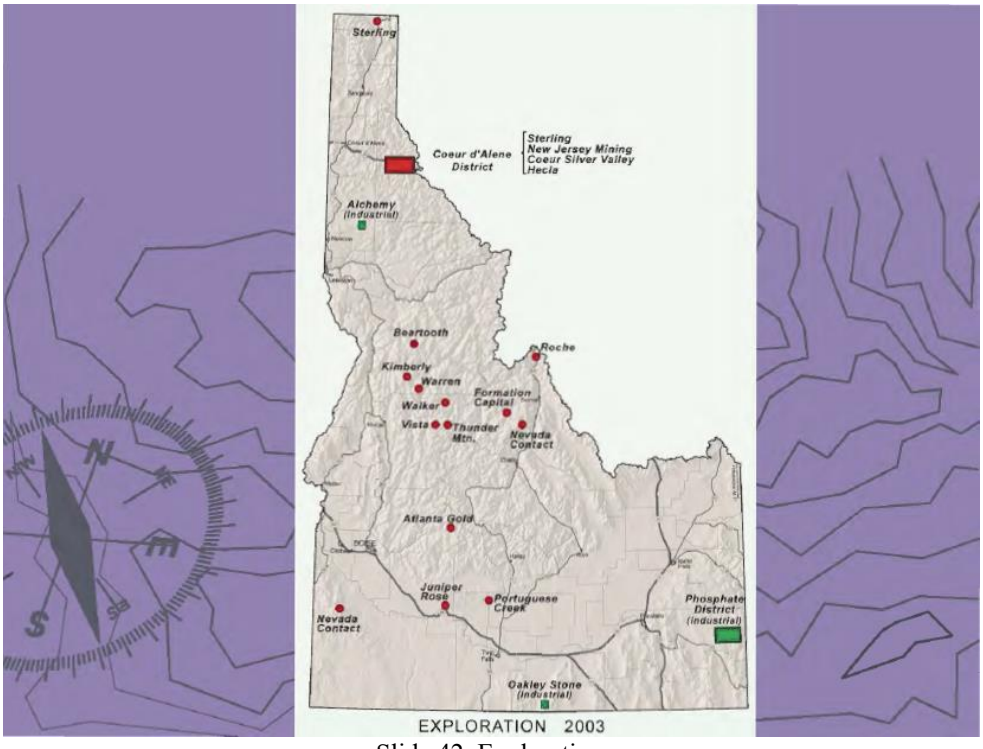
Slide 37. L & W Stone: 3 Rivers Quarry.

Slide 38. L & W new Distribution Center, Challis.

Slide 39. Aggregate = Big $$$.

Slide 40. Search the IGS Mine and Prospects Database on the Web.

Slide 41. Changing of the Guard.




Slide 42. Exploration.

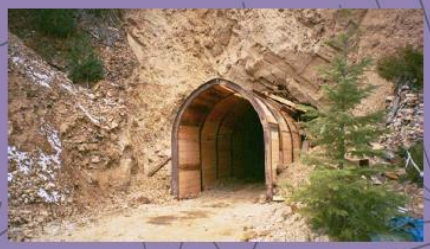
# Exploration 2003

- Dec. 1 – NYMEX Au hits $ 400 an ounce;
- Ag closes $ 5.40/oz.
- Exploration drilling returns to Idaho.
- North Idaho focus but new looks at known gold resources in southern Idaho also.

Slide 43. Exploration.

# New Jersey Mining - 2003

- April: Submit POO for underground mine at Silver Strand to FS
- Existing and permitted NJ mill
- 3 year reserve plus exploration potential



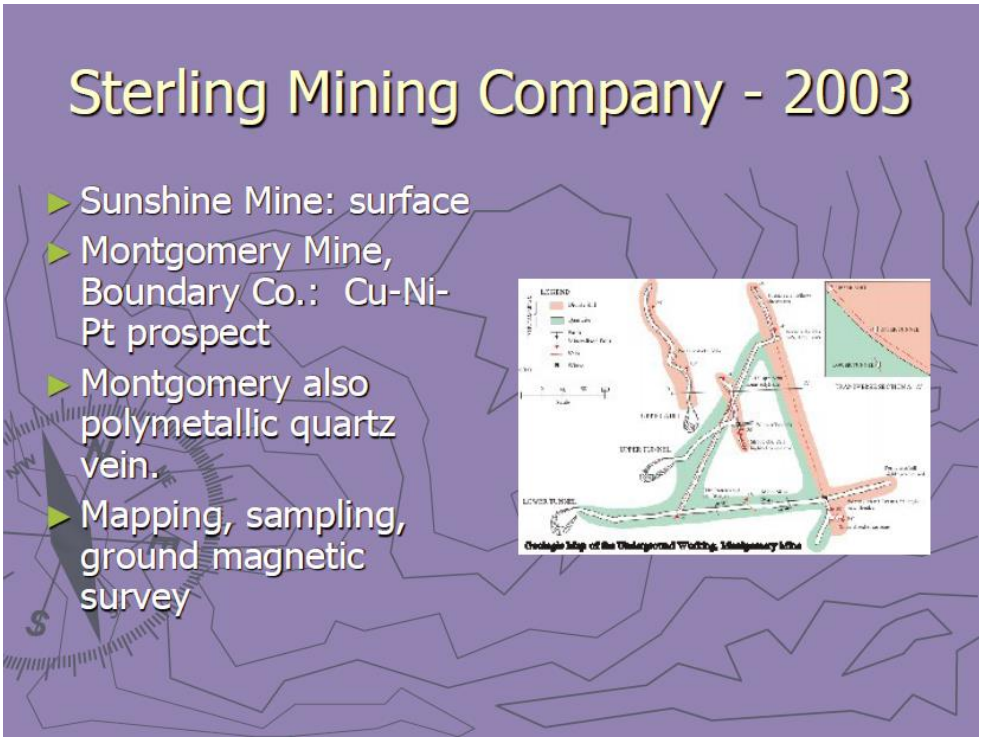
225 Portal

Silver Strand Mine: High Grade Vein

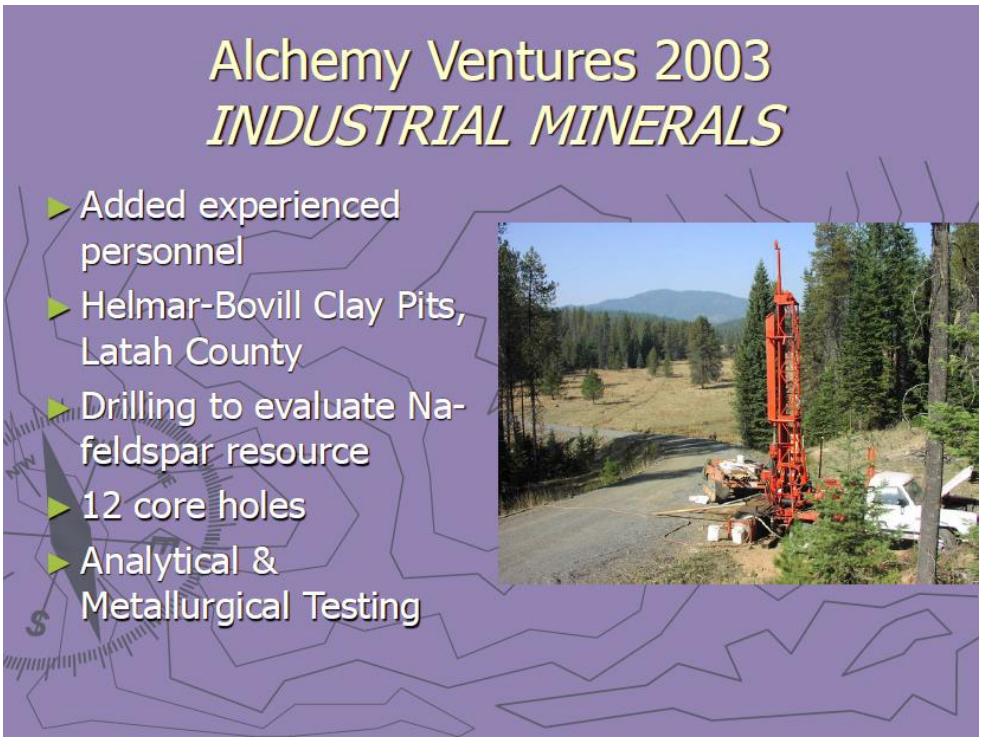
Reserve: 5.4 g/tonne Au; 361 g/t Ag

Slide 44. New Jersey Mining.

Slide 45. New Jersey Mining.

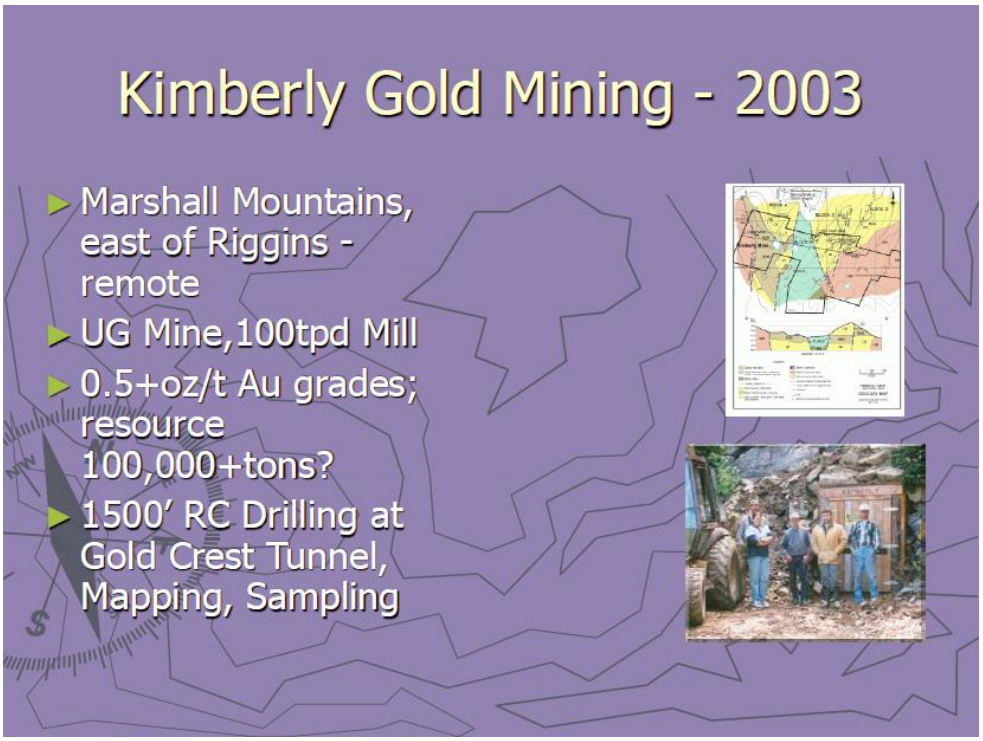



Slide 46. Sterling Mining Company.




Slide 47. Alchemy Ventures.

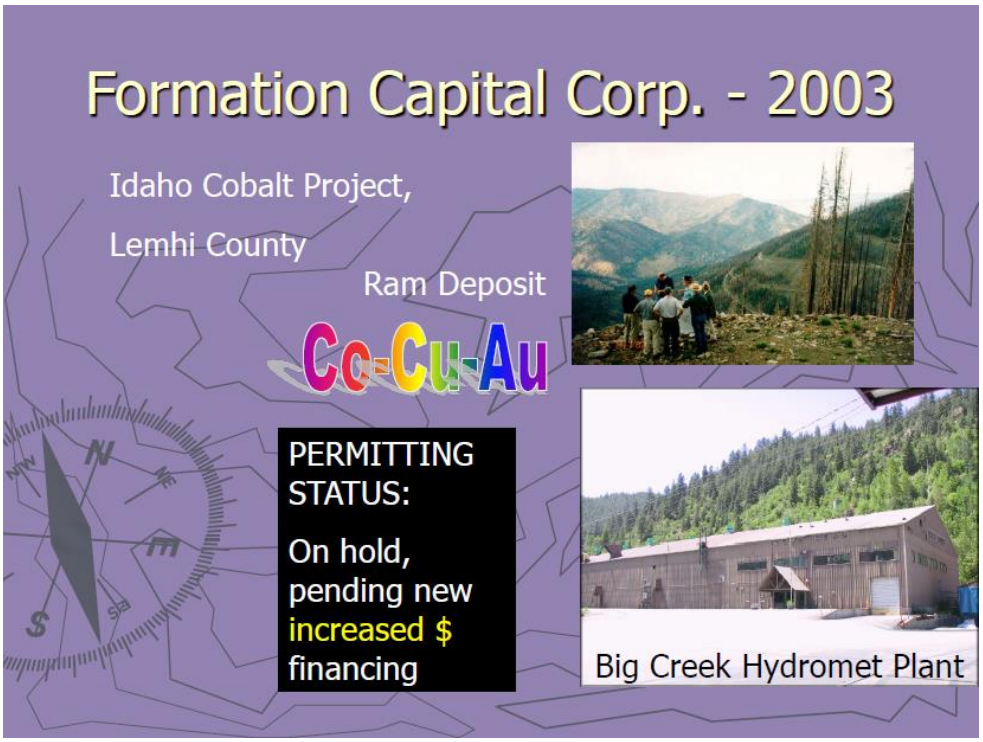
Slide 48. Rescue and Unity Mines, Warren.



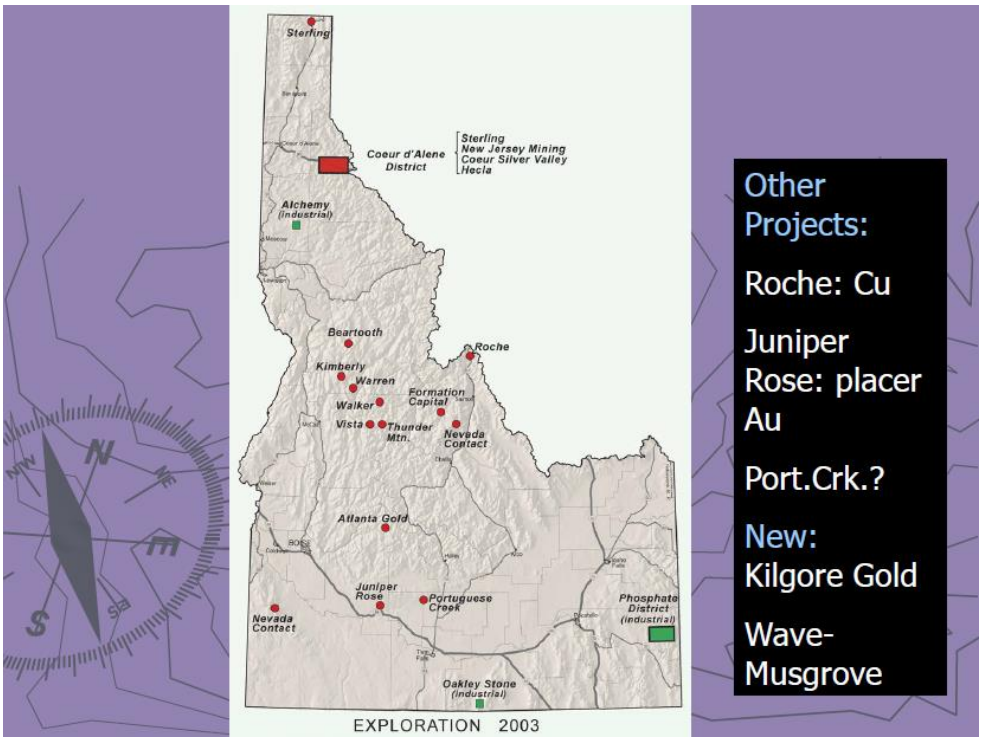

Slide 49. Kimberly Gold Mining.

Slide 50. AIMM, Golden Hand Mine.

Slide 51. Vista Gold Corporation.




Slide 52. Formation Capital Corp.




Slide 53. Exploration.

Slide 54. Nevada Contact.

## Nevada Contact - 2003

- War Eagle Mountain, Owyhee County
- State Lease
- Approx. 3800’ drilling
- Historic Mining Area – E of DeLamar and Stone Cabin Mines
- Epithermal Veins
- Regional Exploration

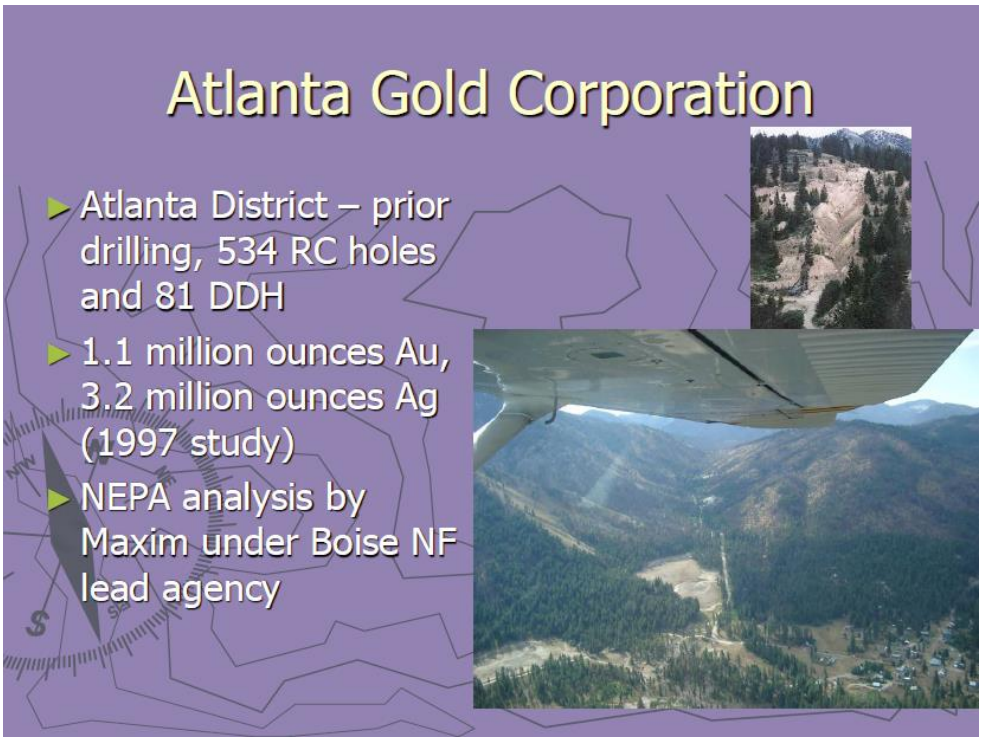
Slide 55. Nevada Contact.

## Atlanta Gold - 2003

- In July, proposal to Boise NF for open pit, heap leach Au mine at Atlanta, Elmore County
- 2 pits, 7000 tpd, 7-10 year mine life
- 130 employees
- 2003 Work: geotechnical drilling, column leach tests, baseline monitoring, final feasibility study

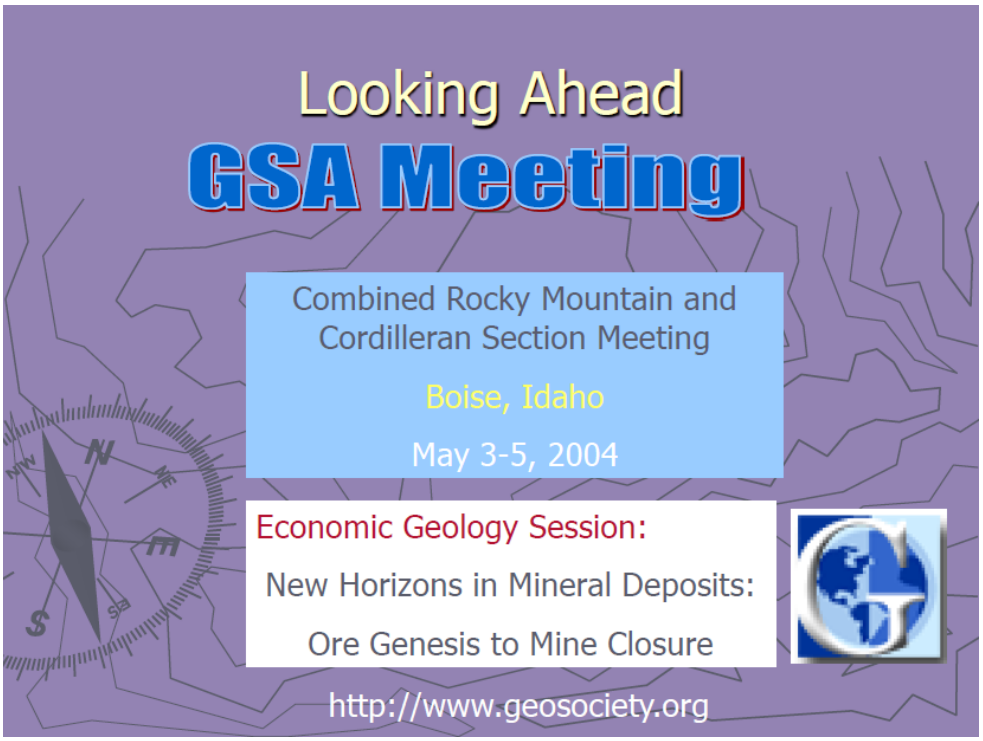
2002 Metallurgical Drilling

Slide 56. Atlanta Gold.




Slide 57. Atlanta Gold Corporation.

Slide 58. Acknowledgements.




Slide 59. Looking Ahead.

Slide 60. Thanks.

*No speaker's notes are available for this year's presentation.*