

John E. Carlson
Marquette County Mine Inspector
806 North Second Street
Ishpeming, Michigan 49849

ANNUAL REPORT 2013

ABANDONED MINES AND PITS INSPECTED 2013

Champion Township

- | | | |
|---------------------------------|------------------|--------------------------------------|
| 1. Champion Mine (shafts 5,C,X) | 5. Pascoe | 9. Bessie. |
| 2. East Champion | 6. Hortence | 10. Gertrude |
| 3. North Champion | 7. North Phoenix | 11. Meshard |
| 4. Phoenix | 8. North Hampton | 12. Champion (shafts 6, 6
½, 7) |

Ely Township and Ishpeming Township

- | | | |
|------------------------------|---------------|-------------------|
| 1. Ropes Gold Mine | 8. Greenwood | 15. Chase |
| 2. Grayling | 9. Section 16 | 16. Dexter/Day |
| 3. Ishpeming Gold Mine | 10. Excelsior | 17. Boston |
| 4. Peninsula Gold Mine | 11. Lloyd | 18. American |
| 5. Superior Gold Mine | 12. Morris | 19. Barnes-Hecker |
| 6. Michigan Gold Mine | 13. Blueberry | |
| 7. Non Pareil (St. Lawrence) | 14. Michigan | |

Forsyth Township

- | | |
|---------------|------------|
| 1. Princeton | 3. Austin |
| 2. Stephenson | 4. Francis |

Ishpeming City

- | | | |
|------------------|------------------|--------------|
| 1. Lake Angeline | 4. Jasper Knob | 7. Mather A |
| 2. Salisbury | 5. New York | 8. Barnum |
| 3. Hardcore | 6. East New York | 9. Cleveland |

Michigamme

1. Michigamme Mine

Negaunee City and Township

- | | | |
|--------------------|---------------------|-------------------|
| 1. Maas | 9. Lucy | 17. Rolling Mills |
| 2. Mather B | 10. Breitung | 18. Zhulkie Creek |
| 3. Athens | 11. Tracy | 19. Beaver |
| 4. Negaunee | 12. Lucky Star | 20. Davis |
| 5. Bunkerhill | 13. Prince of Wales | 21. Fire Center |
| 6. Hartford | 14. South Buffalo | 22. Holyoke Gold |
| 7. Cambria-Jackson | 15. Milwaukee | |
| 8. South Jackson | 16. Mary Charlotte | |

Republic Township

- | | | |
|---------------|--------------|-------------|
| 1. Erie | 3. Riverside | 5. Columbia |
| 2. Metropolis | 4. Republic | |

Richmond Township

- | | | |
|-----------------|------------|------------------|
| 1. Star West | 5. Platt | 9. Carr 3 |
| 2. Old Richmond | 6. Richard | 10. Little Joe |
| 3. Primrose | 7. Carr 1 | 11. New Richmond |
| 4. Moore | 8. Carr 2 | |

Tilden Township

- | | | |
|---------------------------|-------------------|-------------|
| 1. New England | 7. Mitchelle | 13. Parson |
| 2. Saginaw | 8. National | 14. Adit TS |
| 3. Fitch | 9. Howell Hoppock | 15. Spencer |
| 4. Goodrich | 10. Lowthian | 16. Albion |
| 5. New Burt or Section 19 | 11. Section 21 | |
| 6. Winthrop | 12. Miller | |

INSPECTIONS OF ACTIVE MINES 2013

Empire Mine

Managed by Cliffs Natural Resources

I conducted inspections February 24th through the 28th and March 3rd through the 5th.
I inspected again September 3rd through the 6th and the 11th through the 13th.

Tilden Mine

Managed by Cliffs Natural Resources

I conducted a safety inspection on February 19th through the 21st.

I inspected again August 24th through the 28th. I discovered a large amount of dust in the balling area and asked that something be done to clean the air. I checked the area again on 9-18-13 and 10-17-13, at which time I issued a citation and gave the company a month to remedy the situation. When I visited on 11-11-13, the problem had been taken care of and I tore up the citation. I commend Cliffs Natural Resources for their diligence in finding a solution to the dust problem. I am grateful to Attorney Steve Adamini and Mr. Benzie of the Marquette County Health Department for their assistance. In December, I went to the Tilden Mine on the 6th and 7th, to take part in the investigation of what was thought to be an accidental death. Gary Hytinen was working on top of a railroad tanker car and was discovered on the ground by another employee. After a thorough investigation and an autopsy, it was determined that Mr. Hytinen died of a heart problem.

Humboldt Mine

Managed by Kennecott Corporation until later in 2013 when it was purchased by Lundin Mining Corp.

Inspected January 8, 2013

Eagle Mine

Managed by Lundin Mining Corp.

Inspected March 5, 2013 and August 23, 2013

RGG Land & Minerals. LTD, LP

Mr. John Elofson, company representative, came to inspect the 26 mines the company owns in Marquette County, in November. Some repairs to fencing are needed, but due to the lateness of the season, could not be completed. I trust that these repairs will be done as soon as possible in 2014. This company has always been diligent in maintaining their properties, and I will keep in contact with Mr. Elofson.