Exploring Remote Sensing Techniques for Cemetery Mapping

Oregon Heritage Conference Workshop

23 April 2015
Coos Bay, Oregon

Outline

Workshop Facilitators

- Trey Batey
- Rory Becker
- Kuri Gill
- Dennis Griffin
- Kendal McDonald
- John Pouley
- Shawn Steinmetz
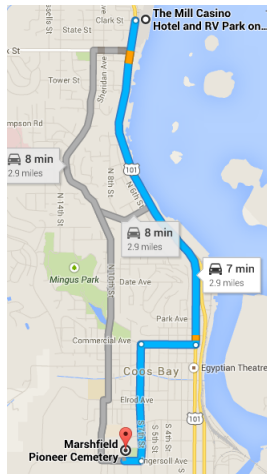
Workshop Schedule
Morning Session (9 am–12 pm)

- Funding & considerations *before* remote sensing (Batey)
- Overview of methods (Becker)
- Ground-penetrating radar (Steinmetz)
- Magnetometry & metal detector (McDonald)
- Electrical resistivity & electromagnetic conductivity
- Results from remote sensing survey at Luper Cemetery (Becker, McDonald, Steinmetz)

Workshop Schedule
Afternoon Session (1:30–4:30 pm)

- Marshfield Cemetery (700 Ingersoll Avenue, across from Marshfield High School)
- Grid layout & equipment overview (1:30–2 pm)
- Breakout session, individual demos and Q&A (2–4:30 pm)

Outline

Introductions and Workshop Schedule

Historic Cemetery Grants

Considerations before Remote Sensing
  Is Remote Sensing Necessary?
  Prior Research

What Remote Sensing Can't Do...

Conclusions & Resources

General Info

OCHC awards funds for projects in these *general* categories:

- Protection and security
- Restoration and preservation
- Education/training and research/interpretation

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General Info

How much do the grants fund?

- **Award amount *typically* $1000–$4000**
- 2014 Awards
  - 17 funded projects
  - $57,775 total awarded, $51,995 match
  - Range: $1000–$9620
  - http://www.oregon.gov/oprd/HCD/FINASST/docs/
    2014HistoricCemeteryGrants.pdf

Grant Application Process

OPRD's Grants Online website

- Access the website
- Register for an account
- Follow application instructions
- **1st-cycle deadline: 30 April 2015 (11:50 PM)**

Oregon Parks and Recreation: Grants Online

Home   Grants Programs ▾   Applying   Sign In

Oregon Parks and Recreation: Grants Online

The Oregon Parks and Recreation Department provides both funding assistance and outreach to Oregon's local communities through a series of grant programs. OPRD currently administers five recreation grant programs and five heritage grant programs, which combined give millions of dollars annually to grant project sponsors.

This website serves as the central point for all grant applications as well as reporting of awarded grants. Qualified applicants can request an account through this link.

https://oprdgrants.org/

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Some questions to ask

- What are the needs of the cemtery? (Prioritize)
- What are the project outcomes?
- Is there evidence that the project can be completed?
- Is there potential for raising matching funds?

Historical Documentation

- Property records
- Maps

ORS 205.190
"Each county clerk shall maintain a record of all maps of towns. . . or cemeteries, within the county, together with any description, acknowledgment or other writing therein."

Aerial Photography

Historic aerial photography can be useful in locating now missing markers or changes in cemetery boundaries.

Genealogical Research

Resources for genealogical research. . .

- Oregon Historical Society
  (http://www.ohs.org/research/library/
  genealogy/index.cfm)
- Local genealogical/historical
  societies
- Other online resources
  - http://www.ancestry.com/
  - http://findagrave.com
  - http://billiongraves.com/
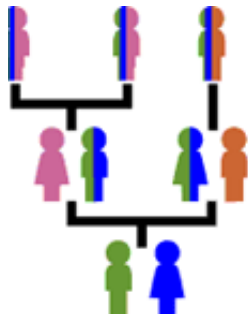
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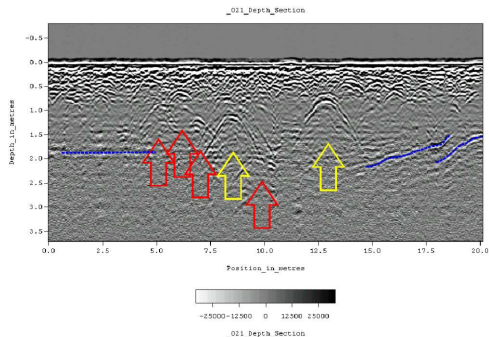
Realistic Expectations

This is not what remote
sensing and geophysical
survey gives us.
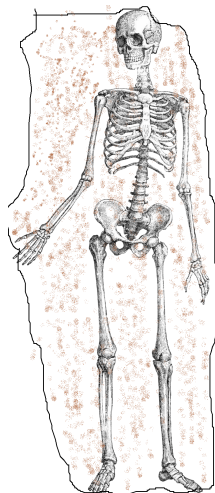
Realistic Expectations

Yeah. . . that's more like it.

Ground-penetrating radar depth section (profile)
collected on an historic cemetery in Alabama

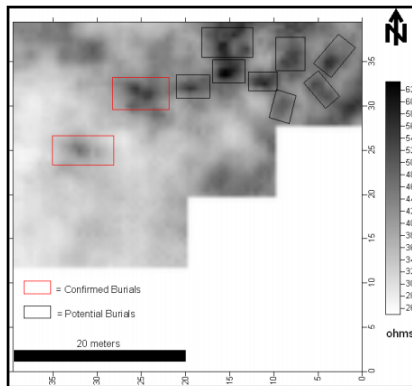# **Realistic Expectations**

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Figure 11. Illustration of resistivity data showing confirmed and potential burials.

Resistivity data at Hargrove Cemetery, Indiana

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Conclusions & Resources

Conclusions & Resources

- Have a plan
- Well-thought scope of project with outcomes
- Is remote sensing necessary to complete project?
- Do your homework (prior research)

Conclusions & Resources

- OCHC website:
  http://www.oregon.gov/oprd/HCD/OCHC/pages/index.aspx
- Remote Sensing Summary:
  http://www.oregon.gov/oprd/HCD/ARCH/docs/REMOTE%20SENSING-4.doc
- **Oregon Heritage History and Archaeology Library**:
  http://www.oregon.gov/oprd/HCD/RESRCH/pages/histarch.aspx
  - County histories
  - Oregon's historic cemeteries list
  - Oregon State Archives
  - . . . and much more!