

NERA: *COVERARGE WORKSHOP* *01/26/2016*

Selected Coverage Slides

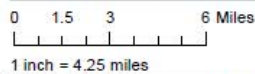
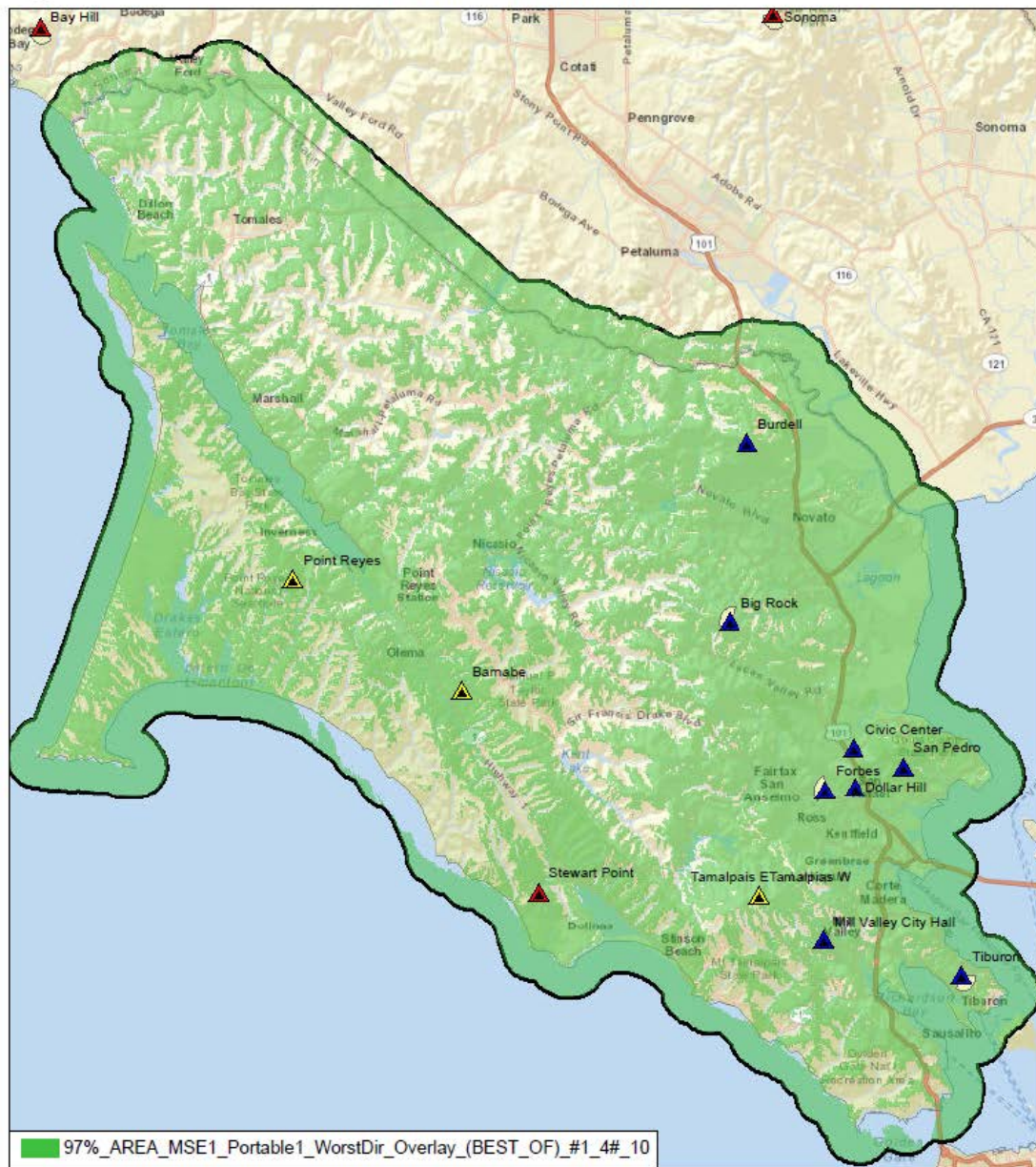


Comments:

- The slides that follow are based on computer modeling of selected sites based on conversations at the Coverage Workshop on 01/26/2016.
- Final sites have not been selected.
- Coverage may differ from these graphics based on the exact sites chosen, antennae details and other engineering issues.
- Please take note that the reliability percentages mentioned refer to reliability in selected areas (highlighted in green in these slides) rather than to a percentage of coverage across the county.
- Coverage slides refer to DAQ. This is Delivered Audio Quality. The current system uses the DAQ 3.0 standard and the proposed system modeling is based on DAQ 3.4, a higher standard.

Current UHF –T Band Coverage

This graphic depicts coverage for portable radio on the hip (XTS5000) talk in to towers. Areas in green depict areas with 97% reliability to DAQ 3.0.



Worst Direction Coverage for XTS5000
Portable Radio at DAQ 3.0



Potential 700 MHz Coverage using 13 Existing Sites

Portable talk-in from portable to tower assuming radio on hip. Areas in green depict 97% reliability to DAQ 3.4.





Potential 700 MHz Coverage using 13 Existing Sites AND 4 Candidate Sites

Portable talk-in from portable to tower assuming radio on hip. Areas in green depict 97% reliability to DAQ 3.4.





Potential 700 MHz Coverage using 13 Existing Sites AND 5 Candidate Sites

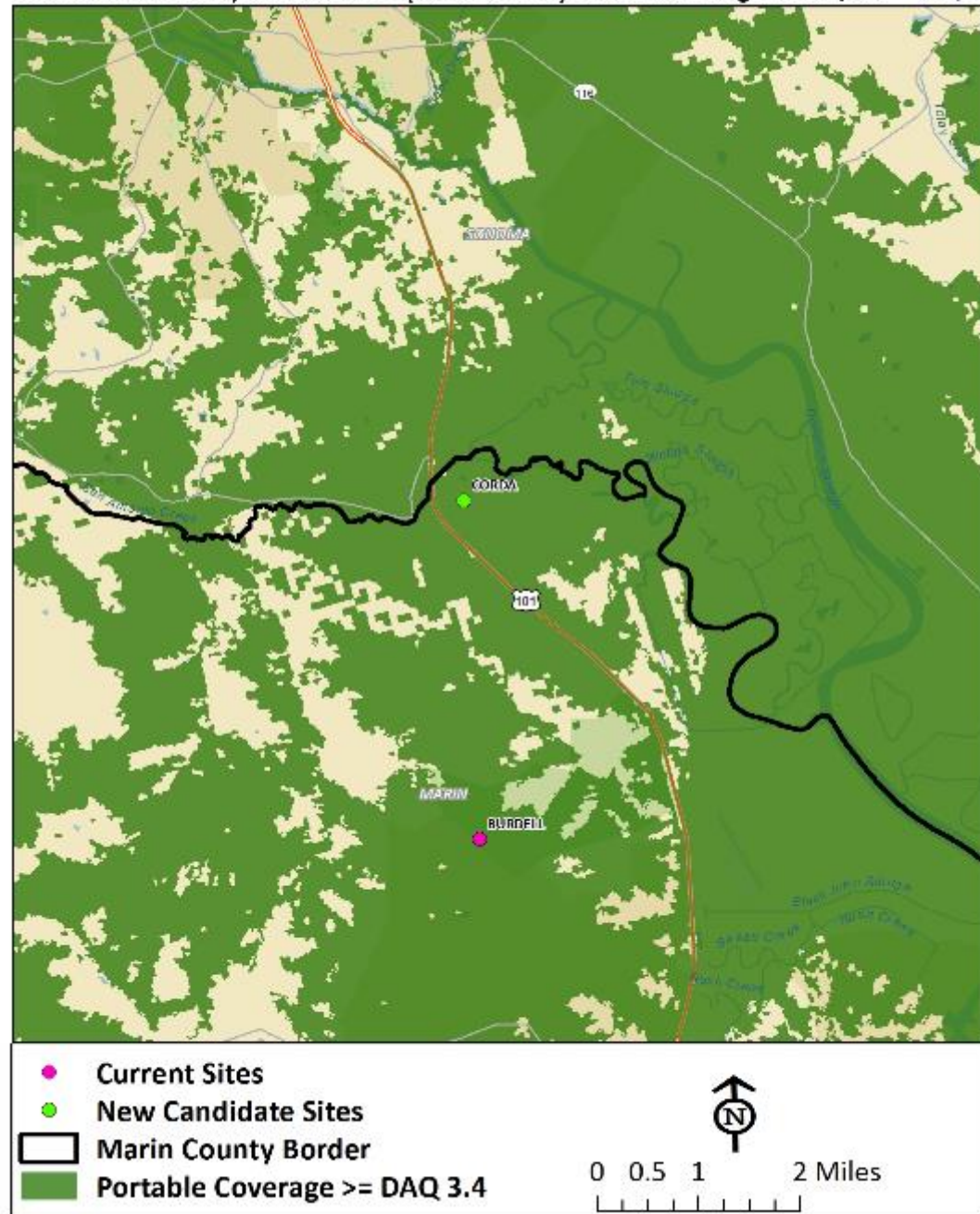
Portable talk-in from portable to tower assuming radio on hip. Areas in green depict 97% reliability to DAQ 3.4.





Potential 700 MHz Coverage: Impact of Potential Corda Site

Portable talk-in
from portable to
tower assuming
radio on hip.
Areas in green
depict 97%
reliability to
DAQ 3.4.



Example of Signal Degradation



Example of potential signal strength in areas below 97%. In other cases, signal may be absent as it is today in many of these areas.