In 1916 the Organic Act established the National Park Service as managers of special places set aside by the American people for the enjoyment, education and inspiration of this and future generations.

National Park Service and High Performance Wireless Research and Education Network Collaborate to support research and education at HPWREN Annual User’s Workshop Point Loma, California

November 6, 2007
CMRLC Mission

• promote and facilitate scientific and scholarly inquiry,
• disseminate research findings to decision-makers,
• inform the citizens of Southern California about the condition of the Network Parks to help ensure their preservation, and
• promote resource stewardship in the Mediterranean ecosystems world wide.
Project Need:

- Collect visitation data at the tidepools
- View the three rocky intertidal area management zones
- Provide expanded access to visitors with physical limitations
- HPWREN support for the Nebraska distance learning system - due to DOI ban of video conferencing & wireless networking across NPS network
- Replace the VC visibility camera with a digital web camera
- Minimize disturbance to the natural and historical resources

Solutions:

- Wireless system uses existing structures & limits disturbance
- Two solar powered camera stations to collect images to quantify visitation of the 3 rocky intertidal management zones
- Reconfigure Nebraska distance education wireless system to route through HPWREN

California Mediterranean Research Learning Center

HPWREN & SDSU Field Stations Programs

Support Research and Education at Cabrillo National Monument
Sea to Shining Sea LIVE

Sea to Shining Sea LIVE will expand visitor access to National Parks on both coasts of the United States via the Internet, wireless communications, and a Live Interactive Virtual Exploration (LIVE) backpack system developed by HPWREN.

Audiences need only an Internet connection to interact in real-time with Interpretive Rangers and scientists.