

# HPWREN CONNECTIVITY AT THE CALIFORNIA WOLF CENTER



Photo: Tony Norton California Wolf Center

# EDUCATION

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- Bi-directional interactive video and audio provide a unique learning experience and an opportunity for students to interact in real time with California Wolf Center educators; used in elementary, middle, and high schools, colleges and universities, libraries, museums, etc.
- Internship program includes the opportunity to incorporate HPWREN technology into an intern's coursework or research
- Developing distance learning programs has helped determine the limitations and the capabilities of the equipment; this will lead to more efficient use of existing technology and perhaps new technology in the future

# PUBLIC ACCESS

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- Still photos and video from HPWREN cameras are available on the California Wolf Center website for the benefit of members and the public at large
- Allows people to view wolves when they are undisturbed by human presence; key to understanding wolves as they behave in nature because the presence of humans affects every aspect of wolf behavior
- Provides access to the Center to those who otherwise might not be able to benefit from our educational programs due to our remote location



# ANIMAL HEALTH MONITORING



- HPWREN equipment has been used to monitor the health of ailing animals, the development of young pups, and changes in wolf pack hierarchy as pups mature into adults
- The HPWREN camera allows such veterinary and behavioral monitoring to go on without disturbing the wolves, without possibly influencing their behavior, and without risking delay in an ailing or injured wolf's recovery
- In the future, additional cameras could be used to monitor the birth of pups in a den without putting stress on the animals

# RESEARCH

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- The Center just finished a conditioned taste aversion study which utilized HPWREN technology in monitoring feeding behaviors
- HPWREN cameras will aid in a study looking at the function of agonistic and aggressive behaviors during pre-breeding season



Photo: Tony Norton

## CONSERVATION

- The Center's critically endangered Mexican gray wolves will be monitored using HPWREN technology in the future. More natural behavior will be observed with cameras, and the wolves, who are candidates for release into the wild, will be less likely to become habituated to humans because exposure can be limited. These cameras will also allow the public to view wolves that are currently off exhibit, broadening educational programs currently offered at the California Wolf Center.

# FUTURE PROJECTS

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- The California Wolf Center is in the process of installing an infrastructure which will allow us to connect HPWREN cameras for viewing each of our enclosures
- A remote access PTZ camera provided by HPWREN will be attached to our observation tower giving us the ability to view two enclosures
- With the help of HPWREN, we will expand our LIVE presentations with the hope of presenting to audiences across the nation.

