



In collaboration with
Patriot

Applications and Species:
 Desert Big Horn, Black Bear,
 Deer, Mt. Lion, Elk, Moose,
 Bison, Oryx, Wolf, Pronghorn,
 Jaguar, Snow leopard, Cow,
 and many others.

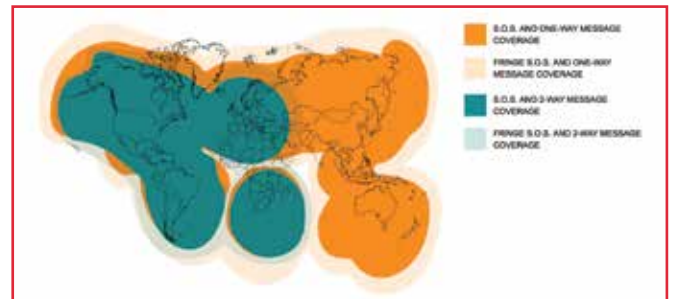
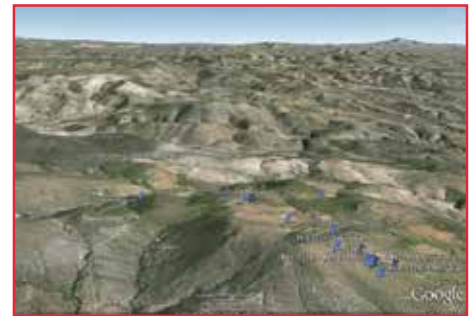


Model LC1—Ocelot

Base Price—\$850

Features

- ◆ **GPS Collar offers Real Time Tracking through Globalstar Satellite System**
- ◆ **Programmable Duty Cycles For GPS Logging and Transmit Functions**
- ◆ **Collars Can Be Equipped with Independent VHF Unit for Conventional Tracking and Recovery; Mortality Sensor Available**
- ◆ **No External Antennas to get Chewed Off**
- ◆ **North Star's Secure Customer Web Page Provides Seamless Data Fusion and Display on Google Earth™** →
- ◆ **Globalstar Tracking System Includes a 'Non Moving' Alarm and Geo Fence Alarm**



Coverage Map for Globalstar Service

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Model LC1—Ocelot Specifications

Component Weights

- Collar Weight 325 grams
- Peripherals
 - VHF 30-55 grams (smaller available)
 - Drop-off Mechanism 40-114 grams

Battery Life Expectancy

- Drop-off Battery Life 3 years
- VHF Battery Life 3+ years
- Collect/Transmit 8 GPS loc. p/day 8–9 months
- Collect/Transmit 6 GPS loc. p/day 12–14 months
- Collect/Transmit 4 GPS loc. p/day 15–17 months
- Collect/Transmit 3 GPS loc. p/day 20–22 months

Note: Environmental conditions, such as wide variations in ambient temperatures, will reduce actual battery lives, particularly over extended deployments.

General Data

- Output Power 150mW
- Transmit Signal Length 1.5 Seconds
- Temp Range -40° to $+50^{\circ}$ C
- Frequency 1611.25 to 1618.75MHz
- Modulation BPSK-modulated PRN Code
- GPS Engine μ Blox 16 Channel
- GPS Accuracy ± 10 m horz, ± 25 vert
- GPS Antenna Active
- GPS Datum WGS84
- VHF Power Output 1–2mW, 30–45ppm
VHF Mortality Available

- Specified accuracy is 2.5 meters CEP and 5 meters SEP. CEP is Circular Error Probability. It is the radius of a horizontal circle, centered at the true antenna position, containing 50% of the fixes. SEP is Spherical Error Probability. It is the radius of a sphere, centered at the true antenna position, containing 50% of the fixes.
- NOTE: We are turning off our GPS engine after 5 positions in a row (1 per second) are acquired with a horizontal accuracy of 5 meters or less.

