

# Small WildCell



**Wildlife collars  
with 2-way  
communication  
via GSM**



**LOTEK**

**WIRELESS**  
FISH & WILDLIFE MONITORING

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- Receivers
- Dataloggers
- Radio transmitters

- Acoustic transmitters
- Archival tags
- GPS systems

- Hydrophones
- Wireless hydrophones
- Physiological transmitters

- Depth transmitters
- Accessories
- Consulting

# Small WildCell

## Specifications

	WildCellSL	WildCellSLG	WildCellSD
Housing dimensions (cm) W x H x D	7.8 x 2.5 x 4.7	7.8 x 2.5 x 4.7	7.8 x 2.5 x 4.7
Battery dimensions (cm) W x H x D	8.5 x 4.8 x 3.8	8.5 x 3.5 x 3.6	TBD
The collar contains	GPS receiver GSM cellular modem VHF tracking beacon		
Features	Mortality sensor Temperature sensor 2 axis activity sensor Advanced scheduler Hibernation sensor Virtual Fence		
Options	Drop off compatible (call Lotek for availability) WAAS, Egnos compatible (call Lotek for availability)		
GSM ground station	Function: - To receive SMS messages containing GPS locations from the collars - To send a new schedule to the collar by using GPS Total Host		
Total collar weight/size	Approx. 270g (dependent on belt type and size)	Approx. 230g (dependent on belt type and size)	Approx. 320g (dependent on belt type and size)
Operational life/battery pack * 3 months**	GPS locations every 1 hour	GPS locations every 1 hr. +15 min.	GPS locations every 18 minutes***
6 months**	GPS locations every 2 hr. + 10 min.	GPS locations every 3 hours	GPS locations every 40 minutes
1 year**	GPS locations every 5 hours	GPS locations every 8 hours	GPS locations every 1 hour and 30 minutes
User replaceable battery pack	3B59	3B60	TBD
User programmable via cable with download link	GPS & beacon schedules Mortality delay Time		
Remote upload by phone	GPS & beacon schedules & Virtual Fence parameters		
Remote download by phone	Data & diagnostics		
VHF beacon frequency	Customer specified 143-155 MHz		
Operating temperature range	-30°C to +50°C		
Software interface (includes host software)	Windows XP® or higher recommended		

\* Battery life estimates are approximate and may vary due to variance in individual battery capacity as per manufacturer, as well as operating conditions including ambient temperature, landscape, species, etc.

\*\* An SMS message is sent after 7 acquired GPS fixes. The average time to calculate a fix is 90 seconds.

\*\*\* An SMS message is sent after 7 acquired GPS fixes. The average time to calculate a fix is 45 seconds.

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