

# Personal Locator Beacon



This PLB can help save your life in an emergency, by directing a professional rescue team to you within hours thus eliminating lengthy Search & Rescue operations which place other peoples lives at risk. Generally conventional Search & Rescue methods take much longer and may or may not lead to the successful recovery of the lost person.

It is your choice - it is your life, but why not carry a little insurance with you just for peace of mind. Increase your chances of being rescued. For a nominal hire cost the beacons will provide peace of mind for users and their families and will increase the chances of successful rescue in an emergency situation.

## YOUR LIFE IS IN YOUR HANDS

The PLB is small enough not to be a hindrance, it floats and is water proof to 1 metre, and built tough to withstand NZ tramping conditions. The PLB pouch can strap to your belt or pack and in the event of an emergency is easily activated by the user.

The transmitted signal contains the GPS coordinates which are re-transmitted by COSPAS-SARSAT satellites to the nearest Local User Terminal, (LUT) then to Wellington Rescue Co-ordination Centre (RCC).

The beacon transmits on 406 MHz to the satellite and on 121.5 MHz for local DF tracking.

If the beacon has not been returned by the user on or before the "panic date", the trust will attempt to contact the user or their family to confirm if they are indeed overdue.



Photo courtesy of Nelson Lakes Shuttles

If the beacon is activated or the user is overdue Search & Rescue is notified.

Search Helicopters can be fitted with Direction Finding equipment (DF) capable of locating the beacon if it has been activated.

The batteries in these beacons provide power for a minimum of 24 hours when activated and cost \$400 to replace. The shelf life un-activated is about 5 years. As we own about 40 of these we need to build up a fund to ensure that battery replacement can be done as required.

### Hire fees:

**\$30 for up to 7 days.  
Then \$2 per day after that.**

### Weekend Hire:

**Friday afternoon to Monday morning - \$20**

### EQUIPMENT SPECIFICATION

<b>Note:</b>	Specifications subject to change without notice.
<b>Output:</b>	406.028 MHz 5 W PSK <i>(Also 121.5 MHz 500mW AM - tracking purposes only)</i>
<b>Power Source:</b>	LiMnO <sub>2</sub> batteries
<b>Transmission Delay:</b>	60 seconds from turn-on
<b>Accuracy:</b>	Typically 45 metres
<b>Operation Temperature:</b>	-20°C to +70°C
<b>Water Proof:</b>	To 1 metre - floats in salt & fresh water
<b>Attachment:</b>	Supplied with pouch & wrist strap



**Information packages and beacons available at the following outlets:**

**Coppins Outdoors Centre**  
 255 High Street  
 Motueka  
 Phone: (03) 528 7296

**Phil Woods Menswear**  
 190 Palmerston Street  
 Westport  
 Phone: (03) 789 8800

**Paul Rennie**  
 64 Park Terrace  
 Blenheim  
 Phone: (03) 578 5311  
 or 0274 589 740

**Rollos Outdoor Centre**  
 12 Bridge Street  
 Nelson  
 Phone: (03) 548 1975  
 Fax: (03) 546 8918

**Takaka Fuel & Fishing**  
 2 Commercial Street  
 Takaka  
 Phone: (03) 525 8705

**Nelson Lakes Shuttles**  
 St Arnaud  
 Phone: 021 490 095

**Farewell Spit Eco Tours**  
 6 Tasman Street  
 Collingwood  
 Phone: (03) 524 8257

*For Further Information  
 please contact:*

**NELSON AREA LOCATOR  
 BEACON TRUST**

Phone: (03) 528 6868

Fax: (03) 528 6803

Email: nalbt@xtra.co.nz

www.nelsonarealocatorbeacontrust.org.nz  
 (website underway)



*All beacons supplied by  
 Aviation Safety Supplies  
 www.aviationsafety.co.nz  
 Phone: (09) 420 6079*



**GOING  
 TRAMPING,  
 HUNTING,  
 BOATING?**

**What if you have an  
 accident or get lost?**

Photo courtesy of Nelson Lakes Shuttles

**Be Smart!  
 Hire a Personal  
 Locator Beacon**



New 406 beacons are now available  
 and should be used by everyone