

SPECIFICATIONS AND SELECTION REVIEW FOR A RUGGIDIZED MAPPING GRADE GPS UNIT WITH A REAL-TIME ACCURACY OF 1 METER OR LESS

UNIT SPECIFICATIONS:

A mapping grade GPS unit will be used, in conjunction with other mapping grade GPS units, to teach NCTC's "GPS for Advanced Applications for Natural Resources" course (TEC7133). This GPS unit must be consistent with units commonly used in the U.S. Fish and Wildlife Service and other natural resource agencies, and be capable of running software used for GPS applications in the agency.

Physical characteristics: The unit must be easily carried and viewed with one hand. The unit screen must be visible in outdoor light with an adequate backlight feature, be field rugged and waterproof on its own (not requiring a second case).

Accuracy: Unit must be able to provide 1 meter or less level of accuracy in the field without additional differential correction beyond WAAS (i.e. real-time differential correction).

Software: The unit must be able to run ESRI ArcPad version 8, TerraSync version 4+ and CartoPac field data collection software under a Windows Mobile 6 or 6.1 operating system. In addition, the GPS unit data must also be compatible with Trimble Pathfinder Office post-processing software being used in NCTC classes.

UNIT SELECTION REVIEW:

Three units were considered for purchase. Only Trimble units qualified as these units are the only hand-held devices manufacture that supported Arcpad, TerraSync and CartoPac field software.

UNITS CONSIDERED FOR PURCHASE:

- | | |
|---|-----------------------|
| 1. Trimble GeoXH 2008 Series (PN 79000-50): | Unit cost: \$5,125.50 |
| 2. Trimble GeoXT 2008 Series (PN 79000-20) | Unit cost: \$4,450.50 |
| 3. Trimble GeoXM 2008 Series (PN 79000-00) | Unit cost: \$1,795.50 |

RECOMMENDED UNIT:

The recommended unit, based on the above cost comparison and specifications, is the **Trimble GeoXM 2008 Series Receiver**.

PURCHASE INFORMATION:

Trimble GeoXM 2008 Series (PN 79000-00) Unit cost: \$1,795.50

Purchase from NCTC Account 97320-4540 (Div. Chief Approval)

Recommended Vendor: (Trimble prices are standardized; this is the closest Trimble representative)

USFWS Trimble Purchasing Contact:

Mr. York Grow

Earth Vector Systems

1710 Allied Street; Suite 20-B

Charlottesville, VA 22903

Phone: (434) 817-5000 Fax: (434) 817-5010

York_grow@evsgps.com

DUNS #: 834958076

CCR Active (CAGE = 1K1M4)

Alternate source: The Trimble online store: <https://partnerstore.trimble.com>