



## Larvicide

### Base Application Description & Requirements

#### Field Application

- Built on Esri® ArcPad® technology, versions 7.1.1, 8.0 SP4 or 10 required
- Includes standard ArcPad functionality for map navigation
- Works with any GPS receiver supported by ArcPad (fully supported on selected Juniper Systems and Trimble hardware)
- Simplified ArcPad interface with mosquito larviciding tools
- Create and review sites as point, line or polygon features using GPS or stylus
- Create and review inspections and treatments for mosquito sites
- Search for and locate mosquito sites based on required activity, priority, habitat type, name and location
- Select employee name/number to log in
- Tracks location, employee, date and time of all recorded activities
- Access to standard ArcPad map tools
  - Standard ArcPad Tools: Zoom In, Zoom Out, Fixed Zoom In, Fixed Zoom Out, Zoom Full Extent, Zoom Next/Previous, GPS Preferences and Position Window, Rotate Map, Clear Map Rotation, Identify, Measure, Radial Measure and Map Refresh.
  - Larviciding Tools: Create Site, View Site Details, Delete Site, Create Inspection, View Inspection History, Create Treatment, View Treatment History, Zoom to Area, Search/Find, Chemical Calculator/Estimator, Mobile Work Review Tools and Exit application
  - Storm Drain Tools: Create, View Details, Delete, Add Treatment, View Treatment History, Settings, Storm Drain Treatment Summary
- Use your own GIS base map data if you have it (e.g) Zone Boundaries, District Boundary, Roads, Parcels, etc. or use freely available GIS base map data
- New storm drain treatment toolbar and workflow
- New mobile work review tools
- New integration with Service Request module

#### Desktop Application

- Built on Esri® ArcGIS® Desktop 10
- Use standard ArcGIS Desktop tools for editing, map and data exploration, cartography, map book creation, querying and analysis

- Ability to create relevant interactive map for use in the Mobile Application
  - Add user specific GIS base map data such as streets and parcels
  - Create or import sites, storm drains, zones or any other relevant map data using standard ArcMap™ editing tools
- Larvicide Supervisory Tools
  - Configure pick lists for employees, habitat types, activities, priority levels, site conditions, treatment equipment type, and activity codes
  - Configure application settings for inspection cycle, GPS track-log collection, device history, required fields, and storm drain treatment collection
  - Configure Product Name, efficacy period, high and low range and EPA registration number
- Desktop Work Review tools for improved QA/QC
  - Review and edit inspections, treatments, and sites modified per technician for any date range in one easy-to-use interface
- Reporting capabilities
  - Chemical Usage Report (Detail and Summary)
  - Daily Work Report (Inspections and Treatments required)
  - Site History Reports (Inspection and Treatment)
  - Work Review Reports
    - Select any date range
    - All or selected sites
    - All or selected zones
    - All or selected technicians

#### DataLink™ GIS

- Electronic Data Solutions Application
- Synchronize data automatically from unlimited mobile devices
  - Support for multiple applications (Adulticide, Larvicide, Surveillance, Service Request, etc.)
- Merge new data from Mobile Application with the existing central data repository (Esri file or SDE geodatabase)
- Centralized application logging

# Sentinel™ GIS

Mobile GIS Solutions for Mosquito Control



## System Components

Sentinel GIS is compatible with and fully tested on the following hardware: –

- Juniper Systems® Archer Ultra-Rugged Field PC
- Juniper Systems® Mesa
- Trimble®'s Juno SB/SC
- Trimble®'s Nomad 900 G
- Trimble®'s Yuma
- MobileDemand®'s T7000 Tablet

*NOTE: Sentinel Adulticiding requires a 9-pin RS-232 connection. The Trimble Juno SB/SC is not compatible with Adulticiding.*

*NOTE: Other mobile devices that are compatible with ArcPad may be used with Sentinel. The hardware must be sent in to Electronic Data Solutions for testing and certification to be fully supported, and an annual support agreement must be purchased for the hardware to be supported.*

**Microsoft® ActiveSync or Mobile Device Center** – free software available for download from [www.microsoft.com](http://www.microsoft.com) (search for ActiveSync) that enables a mobile device to connect to a desktop PC. ActiveSync must be installed on each PC that will be connected with mobile devices. Version 4.5 is recommended. Windows 7 uses the Mobile Device Center rather than ActiveSync technology.

**DataLink GIS** – Automatic synchronization software that supports unlimited mobile devices. Receives and processes GIS data collected in the field, sends needed configuration files and GIS data to mobile devices. One license of DataLink GIS would be needed per organization, per physical site.

**ArcPad software** – Whatever the mobile data collection hardware may be, Esri ArcPad 7.1.1, 8.0 SP4 or 10 software provides the basis for field data collection. One license of ArcPad software is needed for each mobile collection device.

### **ArcGIS Desktop 10.0–**

Standard desktop GIS for manipulating and analyzing GIS data collected in the field. One license of ArcGIS Desktop would be needed for each PC that will be used to analyze or work with GIS data.

**Sentinel GIS: Larviciding Supervisory Tools** – Specialized tools for configuration are packaged as a customized toolbar that displays in ArcMap™.

**Sentinel GIS: Larviciding ArcPad toolbars** – Specialized tools for tracking field activities, recording inspections and treatments, and exploring map data are packaged as a customized toolbar that displays in ArcPad.

  
**elecdata™**  
Electronic Data Solutions®  
P.O. Box 31  
Jerome, ID 83338  
Phone: 208-324-8006  
[www.elecdata.com](http://www.elecdata.com)

**Contact your Sales Representative:**