

Washington Location Finder Project Status March 4, 2008

Summary:

The following development/test services are available:

- Address Correction Service has been running in the DOH test fortress environment since June 2007 – test applications E-Permitting, EMS-Online, WDFW
- Address Geocoding Service which has been running in Ecology test fortress is currently unavailable; Configuration of DOH ArcGIS servers should be complete in early March. Deployment to QA and Production in April 2008 – test applications E-Permitting, WDFW
- Geoprocessing service using GeoRSS GML available via Ecology Test Fortress
- Web Map Services (hosted on ArcIMS available from Ecology Production Fortress.
- Web Map Service hosted on ArcGIS Server available via Ecology Test Fortress
- OpenLayers testing application running on Ecology Test Fortress.
- Ecology Node 2.0 Exchange Network project is scheduled.

Critical Issues:

- *Parcel-data licensing issues are still outstanding; and will not be solved for the 2007-2008 data release* (updated 1-16-2008)
- Exchange Network Node 2.0 specifications are scheduled to be finalized in May 2008
- ArcGIS Server based WMS can not use ArcGIS Server image cache techniques at version 9.2. This may result is slow draw performance depending on load.

Schedule: (for details see [schedule matrix](#))

- Earliest possible deployment of Ecology production service will be May 2008
- WaDOH services will be available in April 2008

Details:

The Business and Technical Review Teams reviewed the services and JARPA epermitting application during October 2007. Presentations are posted on the [project web site](#).

Ecology Tasks:

Geoprocessing service (ReturnIntersectedLayerInfoGPTool)– This service (supporting GML version 2.4x) is running on temporary servers. This service is out-of-date, but held frozen for client (JARPA-epermitting) demonstrations. It will be replaced with the updated service (described below) before and any additional client development should target the updated version.

An updated geoprocessing service (IntersectGeoRSSGML) which supports GeoRSS GML is running on temporary server, is available through TestFortress.

A new route measure web method has been developed (GetRouteMeasure). This will allow a client application to determine the location along a feature (mile post type function). This type of function is required to identify the route-measure needed to identify which Water Quality Standard applies on a given stream location. This is running on temporary servers and is available through TestFortress.

A new web method (GetGISServices) list GIS services running at Ecology. This is running on temporary servers and is not available through TestFortress.

A new web method (GetMapServiceLayers) has been developed which retrieves the layers associated with each of Ecology's GIS Services. Passing the map service name [MAP_SERVICE_NM] will retrieve only those layers associated with that map service, otherwise you'll get everything associated with everything. This is running on temporary servers and is not available through TestFortress.

An ASPX 2.0 testing application has been developed to test the Ecology-hosted services. This application serves as an example of implementing GeoRSS GML capture using OpenLayers javascript library. It also presents an example of calling the Geoprocessing service using a GeoRSS GML feature.

Web Map Service – A Web Map Service (WMS) has been implemented on ArcGIS Server since ArcIMS is in containment by the vendor and can not consume the ESRI image service hosted at DIS. The ArcGIS Server version of WMS has not reliable, but further debugging of the service will await server upgrades currently planned for March 2008. A production ArcIMS-based WMS will continue to be available but will be contained and no changes planned.

Web Feature Service – The Web Feature Service implemented by ESRI ArcIMS is not readable by OpenLayers. Given the containment status of ArcIMS, no further improvements are expected. ESRI will be implementing WFS and WFS-T with ArcGIS Server 9.3 planned for release in 2008. Ecology will participate in the 9.3 phase 2 Beta program. An Open Source WFS server was tested, but also proved problematic when used with OpenLayers.

Department of Health Tasks:

Address Cleaning and Standardization Service – This service is running on a development/test server at WaDOH. IP address filtering (for access control) has been added to the address correction and standardization service. Custom log tracking has also been added. The production deployment environment is almost available.

Address Geocoding Service – The address geocoding service is running on temporary servers at Ecology. IP filtering and custom log tracking have also been added to this service. Also additional county parcel data has been added as well as additional switches so consumers can disable parcel number search, candidate search, and centroid matching if not needed. The address geocoding service will be moving to WaDOH test servers soon.

Remaining Tasks/Next Steps:

Ecology:

- Complete development of WMS Functions for Release 1.0 (ePermitting & GCLM)
- Complete development of Geo-Processing Functions for Release 1.0 (Epermitting & GCLM)
- Deployment Documentation & Ecology Application Review for Release 1.0
- Prepare Production Environment & Deploy
- Testing Ecology-hosted Production Applications
- External Data Maintenance
- Exchange Network Integration

WaDOH:

- DOH QA/Prod Server Configuration
- Install and test the DOH XML Firewall
- Negotiate three year data license purchases
- Finalize the SLA and registration process
- Resolve billing issues
- Remaining budget
- Long-term hosting and redundancy options
- Integrate with DOE Exchange Node 2.0 Authentication
- Apply for a grant extension for the Node 2.0 integration
- Deploy the AC service to QA/Prod
- Deploy the AG service to QA/Prod