

# Washington Location Finder Project

## WaGIC Presentation

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Craig Erickson, Wa. Dept. of Health  
4/19/2007

# Background & History

- In 2005 the Office of Regulatory Assistance Sponsored a Project to Develop an Electronic-Permitting Web Site for the JARPA Application

AGENCY USE ONLY

Agency Reference #: \_\_\_\_\_ Date Received: \_\_\_\_\_  
Classified by: \_\_\_\_\_ (Print name of agency)

**JOINT AQUATIC RESOURCES PERMIT APPLICATION FORM (JARPA)**  
(For use in Washington State)  
**PLEASE TYPE OR PRINT IN BLACK INK**

Application for a Fish Habitat Enhancement Project per requirements of RCW 77.50.200. You must submit a copy of this completed JARPA application form and the Fish Habitat Enhancement JARPA Addendum to your local Government Planning Department and Washington Department of Fish & Wildlife Area Habitat (Design on the Internet site).

**NOTE: LOCAL GOVERNMENTS** - You must submit any comments on these projects to WSWW within 15 working days.

Based on the regulations provided, I am sending copies of this application to the following: (check all that apply)

<input type="checkbox"/> Local Government for shoreline	<input type="checkbox"/> Substantial Development	<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Variance	<input type="checkbox"/> Use/Expansion	<input type="checkbox"/> Historic
<input type="checkbox"/> Washington Department of Fish and Wildlife for Fish Habitat Program	<input type="checkbox"/> Critical Areas				
<input type="checkbox"/> Washington Department of Ecology for 401 Water Quality Certification (or Federal Permit Unit)	<input type="checkbox"/> Washington Department of Ecology for 401 Water Quality Certification (or Federal Permit Unit)	<input type="checkbox"/> Washington Department of Ecology for 401 Water Quality Certification (or Federal Permit Unit)	<input type="checkbox"/> Washington Department of Ecology for 401 Water Quality Certification (or Federal Permit Unit)	<input type="checkbox"/> Washington Department of Ecology for 401 Water Quality Certification (or Federal Permit Unit)	<input type="checkbox"/> Washington Department of Ecology for 401 Water Quality Certification (or Federal Permit Unit)
<input type="checkbox"/> County of Engineers for: <input type="checkbox"/> Section 408 <input type="checkbox"/> Section 10 permit	<input type="checkbox"/> County of Engineers for: <input type="checkbox"/> Section 408 <input type="checkbox"/> Section 10 permit	<input type="checkbox"/> County of Engineers for: <input type="checkbox"/> Section 408 <input type="checkbox"/> Section 10 permit	<input type="checkbox"/> County of Engineers for: <input type="checkbox"/> Section 408 <input type="checkbox"/> Section 10 permit	<input type="checkbox"/> County of Engineers for: <input type="checkbox"/> Section 408 <input type="checkbox"/> Section 10 permit	<input type="checkbox"/> County of Engineers for: <input type="checkbox"/> Section 408 <input type="checkbox"/> Section 10 permit
<input type="checkbox"/> Coast Guard for General Order Act Permit	<input type="checkbox"/> Coast Guard for General Order Act Permit	<input type="checkbox"/> Coast Guard for General Order Act Permit	<input type="checkbox"/> Coast Guard for General Order Act Permit	<input type="checkbox"/> Coast Guard for General Order Act Permit	<input type="checkbox"/> Coast Guard for General Order Act Permit
<input type="checkbox"/> For Department of Transportation projects only. This project will be designed to meet conditions of the most current Ecology/Department of Transportation Water Quality Implementation Agreement.	<input type="checkbox"/> For Department of Transportation projects only. This project will be designed to meet conditions of the most current Ecology/Department of Transportation Water Quality Implementation Agreement.	<input type="checkbox"/> For Department of Transportation projects only. This project will be designed to meet conditions of the most current Ecology/Department of Transportation Water Quality Implementation Agreement.	<input type="checkbox"/> For Department of Transportation projects only. This project will be designed to meet conditions of the most current Ecology/Department of Transportation Water Quality Implementation Agreement.	<input type="checkbox"/> For Department of Transportation projects only. This project will be designed to meet conditions of the most current Ecology/Department of Transportation Water Quality Implementation Agreement.	<input type="checkbox"/> For Department of Transportation projects only. This project will be designed to meet conditions of the most current Ecology/Department of Transportation Water Quality Implementation Agreement.

**SECTION 4 - Use for all projects covered by this application. Use form on 40101 completed Section C (signature block) for all permit applications.**

**APPLICANT**  
Part of Seattle, Attn: George Blomberg (Environmental Services) and Michael McLaughlin (Project Manager)

Part of Seattle  
PO Box 3209  
Seattle, WA 98122

NAME	PHONE	EMAIL	PHONE
George Blomberg	(206) 728-3394	blomberg.g@seattle.gov	(206) 728-3388
Michael McLaughlin	(206) 728-3463	mclaughlin.m@seattle.gov	(206) 728-3280

If an agent is acting for the applicant during the permit process, complete #1. Use same agent signs Section C (signature block) for all permit applications.

**APPLICANT ADDRESS**

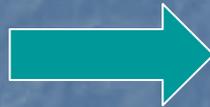
ADDRESS	CITY	STATE	ZIP

**WATERWAY OR AQUATIC RESOURCES** (check all that apply)  Stream  Channel  Other

The Part of Seattle is the far eastern of the natural area. (Washington Department of Natural Resources is owner and manager of adjacent aquatic area and island. The Port and WSWW implement a joint management agreement for aquatic area adjacent to Port-owned marine terminal facilities. Please refer to the attached property description including legal description for Terminal 37, 42, 46. A list of King County tax lots comprising the Terminal 37, 42, 46 marine/industrial barge facility is found below on Section 3.)

**DATE SUBMITTED** Use local address of recipient's facility, if other than your facility.  
Date applicable: \_\_\_\_\_

JARPA, Revised 7/03 Contact the State of Washington Office of Permit Assistance for latest version, 509-467-7037 or 509-891-0043



One-Stop E-Permitting Service - Microsoft Internet Explorer provided by Dept of Ecology

File Edit View Favorites Tools Help

Address http://permitting.org/site/biilas\_resourcecenter/9903/default.aspx

Access Washington  
Official State Government Web Site

One-Stop E-Permitting Service  
Environmental Permitting Services

Today is Tuesday, April 10, 2007

Sign In | Site Map | Enter search text here

Welcome JARPA Resources Contact Us Transportation Pilots

**JARPA Process**

This is your one-stop for information to help you with the Joint Aquatic Resource Permits Application (JARPA) process.

**Introduction**  
Learn what JARPA is and what permits you can use it to apply for.

**Process Overview**  
Important information to consider when filling out your JARPA form and moving through the regulatory process.

**JARPA Form**  
Download an electronic version of the JARPA form with on-line assistance information available on a question-by-question basis. Additionally access other helpful handouts to help you fill out your JARPA.

**Examples of Completed JARPA Forms**  
See samples of completed JARPA forms.

**JARPA Contacts**  
Contact information for the agencies who can help you.

Feedback

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Joint Aquatic Resources Permit Application (JARPA)

# Background & History continued

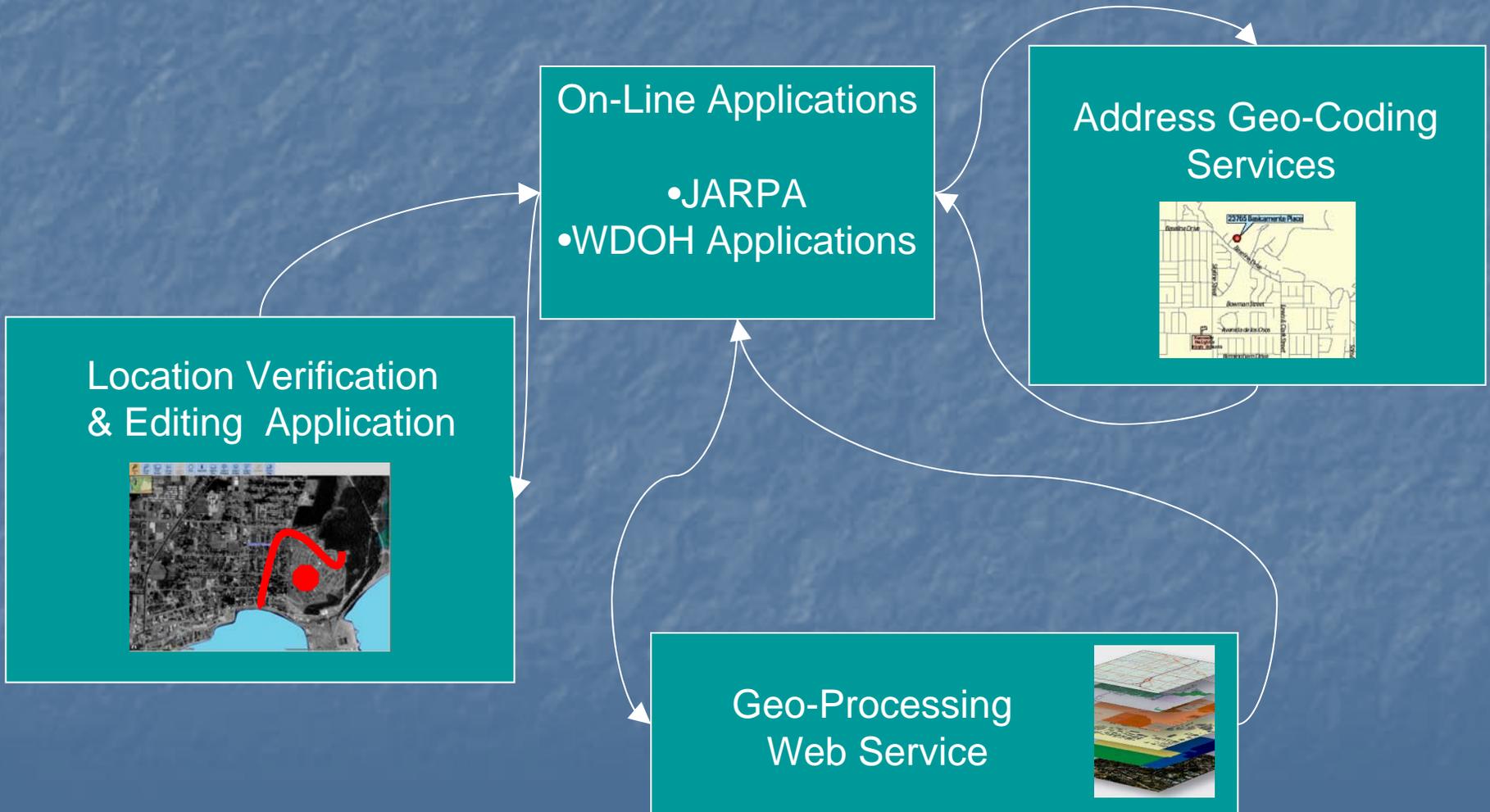
- E-Permitting JARPA Post Implementation Review
- Problem: Permit Applicants Often Struggle to Meet Data Entry Requirements Location-Based Information.
- Examples: Latitude-Longitude, Water Resource Inventory Area, Receiving Waters Impacted, Public Land Survey, DNR Water Type

# Background & History continued

- Problem: Collection of Invalid Addresses Leads to Additional Costs
- Example: WDOH Electronic Death Registration System)

The screenshot shows a web browser window displaying the 'Demographic - Basic, Birth, Residence' form for Muriel McGinness. The form is titled 'Demographic - Basic, Birth, Residence' and includes a 'Local File #' field and a 'Case ID: 2338'. The form is divided into several sections: 'STEPS' (with links for Birth, Residence, Education, Origin, Race, Signature, Parent Informant, Place of Death, Cause of Death, and Death Certificate), '1. Legal Name' (First: Muriel, Middle: Keith, Last: McGinness), '2. \*Death Date' (Month: 01, Day: 28, Year: 2005), '3. \*Sex (M/F)' (M), '4. \*County of Death' (Benton), '7. Birth' (Month: 12, Day: 29, Year: 1931, Age: 73), '5. SSN' (P), '12. Was Decedent ever in U.S. Armed Forces?' (Yes), '8a. Birth City' (Fairview), '8b. Birth State or Prov.' (Virginia), '8c. Birth County' (United States), 'Residence' (13a. Street Address: 202 W Laird Ave, 13b. City or Town: Hermiston, 13c. County: Umatilla), '13d. Residence on tribal reservation' (No), '13e. State or Prov.' (Oregon), '13f. Zip Code: 97838', '13g. Inside City Limits?' (Please Choose: Yes, No, Unk), and '14. Estimated length of time at residence' (5 Units: Years). The form includes a 'Next' button at the bottom right.

# Solution: Location Finder Services



# Project Objectives

- Increase the Accuracy of Location-Based Information Submitted for Environmental Review and Agency Decision Making

# Project Objectives continued

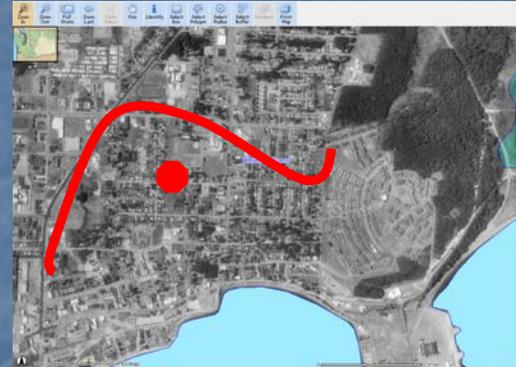
- Provide Ease-of-Use Enhancements to Existing and Planned On-Line Permitting & Reporting Applications

# Project Objectives continued

- Provide Standardized, Repeatable Methods for Assigning Place-Based Information

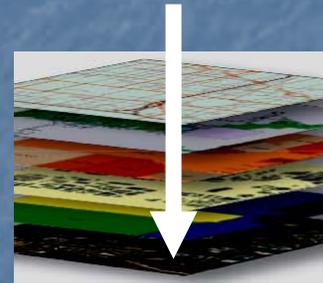
# Scope

- Develop an Interactive Map-Based Location Editor Which Allows a User to Delineate a Location



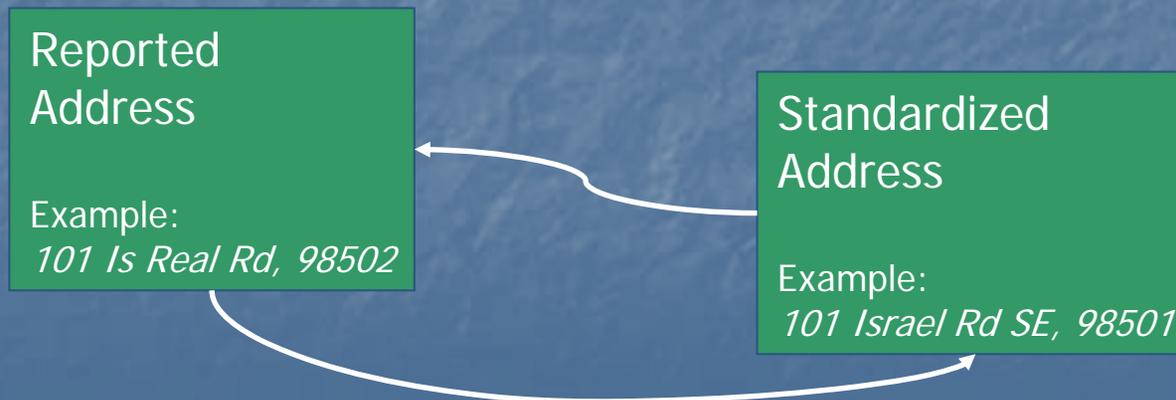
# Scope continued

- Develop Geo-Processing Services Which Can Intersect Multiple GIS Layers and Return Information About a Geographic Location



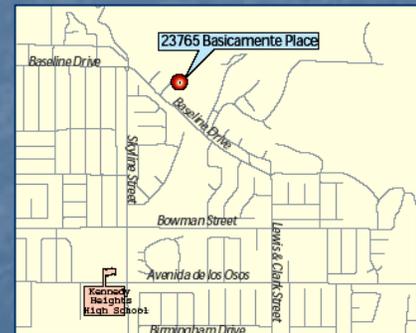
# Scope continued

- Develop an Address Standardization Service That Standardizes the Input Address to the USPS Format, Corrects Misspellings, and Verifies City & Zip Code Information



# Scope continued

- Develop an Address Geo-Coding Service Which Returns X-Y Coordinates (Latitude-Longitude) for a Given Address.

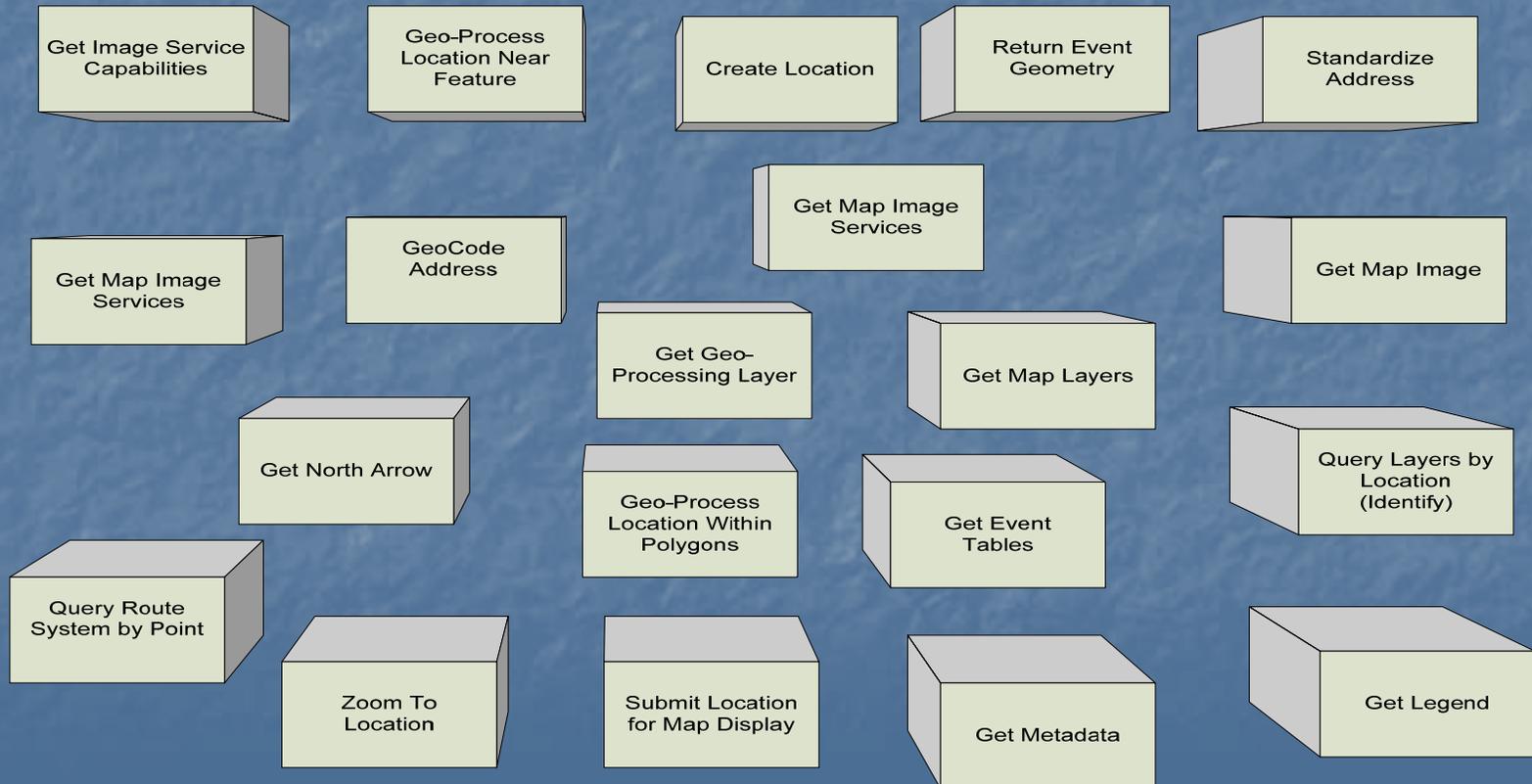


# Scope continued

Interface These Services With:

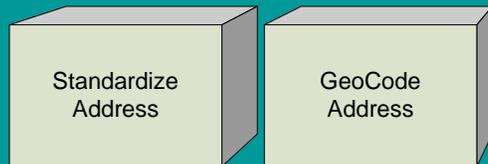
- JARPA E-Permitting Application
- Public Health Issue Management System
- Electronic Death Registration System.

# Approach: Develop Elemental GIS Web Services as Building Blocks

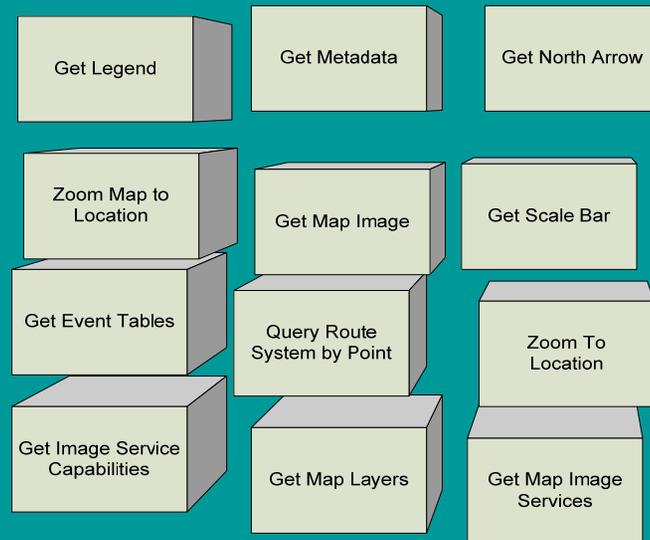


# Services Are Loosely Connected and Can be Used to Meet Specific Needs

## Address Services



## Map Services



Geo-Process  
Location Near  
Feature

Geo-Process  
Location Within  
Polygons

Get Geo-  
Processing Layers

## Geo-Processing Services

# Reporting Application Requiring Address Services

The screenshot shows a web browser window displaying a form for demographic data collection. The form is titled "Demographic - Basic, Birth, Residence" and includes fields for personal information, birth details, and residence information. The form is divided into several sections, each with a "Click for Help" button. The "Residence" section is highlighted with a white box, and an arrow points from this box to a diagram on the right.

**Demographic - Basic, Birth, Residence** [McGinness, Marilee] Local File # [ ] Case ID [2338]

**1. Legal Name**    **Death Date Modifier**

First: [Marilee] **2. \*Death Date:** Month [01] Day [08] Year [2005]  A

Middle: [Marilee] **6. \*County of Death:** [Boston]

**3. \*Sex (M/F):** [M]

**7. Birth:** Month [12] Day [29] Year [1991]  **4. Age:** [23] Years  **5. \*Sex (M/F):** [M]

**5. SSN:** [ ]  **SSN Modifier:** [P]  **SSN Vary Count:** [ ]  **Status:** [ ]

**12. Was Decedent ever in U.S. Armed Forces?** [Yes]

**8a Birth City:** [Fairview]  **8b Birth Country:** [ ]

**8c Birth State or Prov.:** [Virginia]  **8d Birth Country:** [United States]

**Residence:**  (e.g., 624 DE S<sup>th</sup> St.) (Exclude Apt. No.)

**13a. Street Address:** [002 W LIND Ave]  **13b. City or Town:** [Farmington]

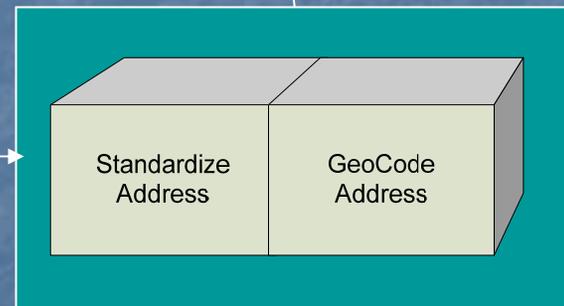
**13c. County:** [ ]

**13d. Residence on tribal reservation:** [ ]

**13e. State or Prov.:** [Oregon]  **13f. Zip Code:** [97030]  **Zip Plus 4:** [ ]

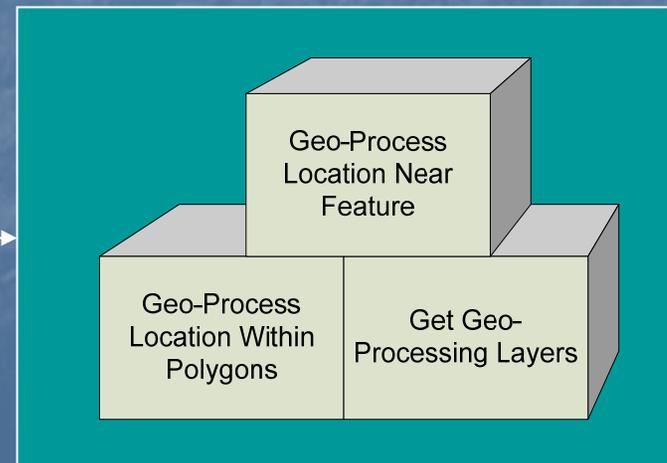
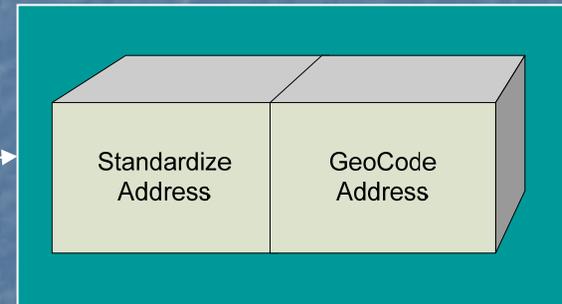
**13g. Country:** [United States]  **13h. Inside City Limits?** [ ]  **Please Choose:** [ ] Yes [ ] No [ ] Unk

**14. Estimated length of time at residence:** [ ] Units: [ ] Years

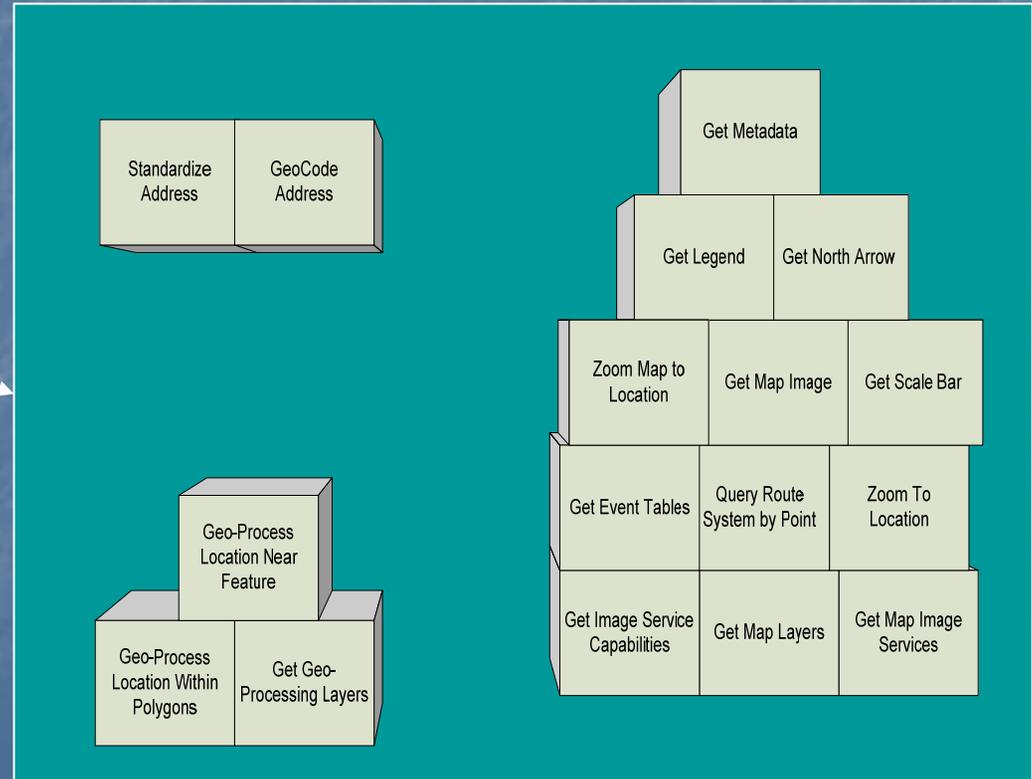
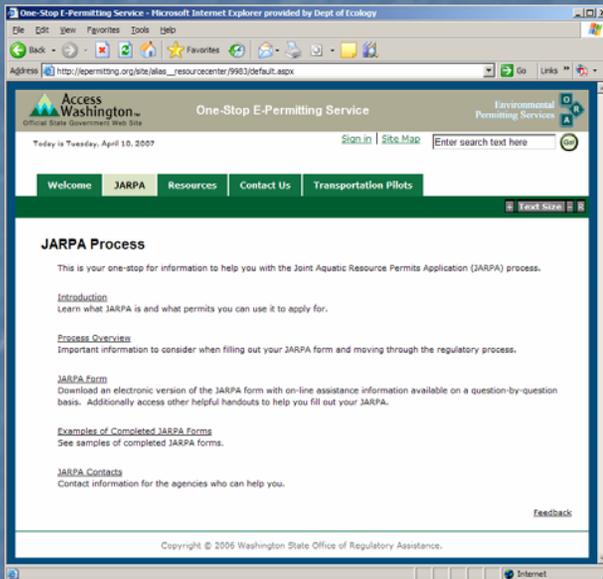


# Reporting Application Requiring Address Services & Geo-Processing

The screenshot shows a web browser window displaying a form for demographic data. The form is titled "Demographic - Basic, Birth, Residence" and includes fields for personal information, birth details, and residence information. The "Residence" section is highlighted, showing fields for street address, city, county, state, and zip code. The form is part of a larger application, as indicated by the "STEPS" section on the left.



# Permitting Application Requiring Many Services



# Address Standardization Demonstration

Address Correction Test Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address [http://localhost/Address\\_test/Default.aspx](http://localhost/Address_test/Default.aspx)

Google  Go  Bookmarks 0 blocked Check Settings Links



**WASHINGTON STATE  
DEPARTMENT OF  
ECOLOGY**



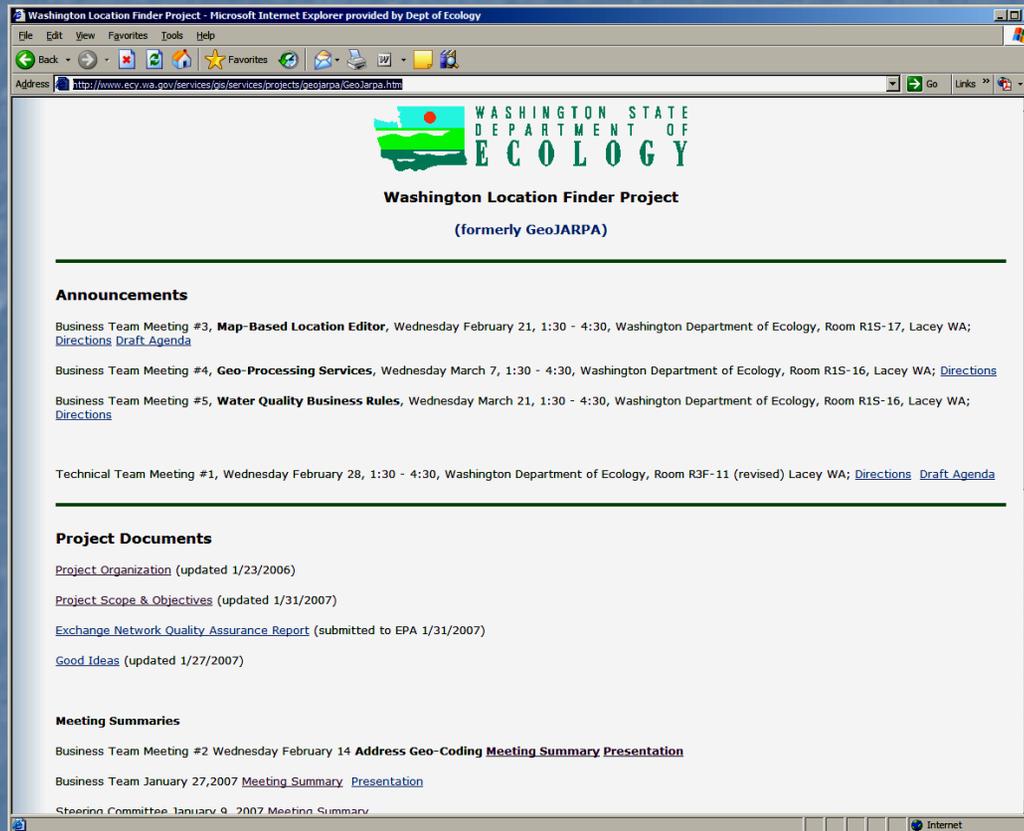
Washington State Department of  
**Health**

**Washington Location Finder Project**  
Address Correction Web Service Test Page

<p><b>Input Address</b></p> <p><input type="text" value="101 is real rd"/></p> <p>City <input type="text" value=""/> Zip <input type="text" value="98502"/></p> <p>Zip4 <input type="text" value=""/> State <input type="text" value=""/></p> <p style="text-align: center;"><input type="button" value="Submit"/></p>	<p><b>Corrected Address</b></p> <p><input type="text" value="101 Israel Rd SE"/></p> <p>City <input type="text" value="Tumwater"/> Zip <input type="text" value="98501"/></p> <p>5570 <input type="text" value="WA"/> County</p> <p>Thurston <input type="text" value=""/> Prefix Direction</p> <p>101 <input type="text" value=""/> House Number</p> <p>Israel <input type="text" value=""/> Street Name</p> <p><input type="text" value=""/> Prefix Type</p> <p>Rd <input type="text" value=""/> Post Suffix</p> <p>SE <input type="text" value=""/> Post Direction</p> <p><input type="text" value=""/> Unit</p> <p><input type="text" value=""/> Unit Type</p> <p>Yes <input type="checkbox"/> Found</p> <p>Address found in USPS database <input type="text" value=""/> Quality</p> <p><input type="text" value=""/> Error Status</p>
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Done Local intranet

# Project Documentation Site



<http://www.ecy.wa.gov/services/gis/services/projects/geojarpa/GeoJarpa.htm>

Questions?