

State of Oregon Framework Program

2023 Framework Data Element List

Public Review Draft – Summary and Methodology

June 2023

Comment Period open until June 30, 2023

Follow the steps below to submit comments regarding the
2023 Framework Data Element List.

Review Documents available at: <https://www.oregon.gov/geo/pages/fit.aspx>

Step 1. Review *Public Review Draft – Tables* document.

Step 2. Download *Comment Log*.

Step 3. Compile all comments, questions, or concerns in a single spreadsheet. Being as descriptive as possible, log only one comment per row. Use as many rows as needed.

Step 4. Email Comment Log excel file to Melissa Foltz, Framework Program Coordinator (Melissa.Foltz@DAS.Oregon.gov). Comments must be received by midnight of June 30, 2023.

Table of Contents

Executive Summary.....	1
Introduction	2
Framework Data Requirements.....	3
Inventory Process.....	3
Review Process.....	4
Inventory Results	5
Overview of Results	5

List of Figures

<i>Figure 1. Overview of Inventory Results</i>	<i>4</i>
--	----------

List of Tables

<i>Table 1. Framework Data Element Requirements.....</i>	<i>3</i>
<i>Table 2. Description of Data Element Categories</i>	<i>4</i>

Executive Summary

Oregon’s Framework Program is a collaborative network of GIS practitioners across the state who support the creation and maintenance of foundational and authoritative geospatial data (called geographic data as defined in ORS 276A.203 (4)(b)(B)). The Framework Program develops data standards, stewardship, and governance processes to promote and advance geospatial data use and sharing. Framework data are fundamental geospatial data sets intended to serve the purposes of a broad range of users and are organized into 16 Framework themes:

1. Address Points
2. Administrative Boundaries
3. Bioscience
4. Cadastral
5. Climate
6. Coastal and Marine
7. Elevation
8. Geodetic Control
9. Geoscience
10. Hazards
11. Hydrography
12. Imagery
13. Land Use/Land Cover
14. Preparedness
15. Transportation
16. Utilities

In October of 2022, OGIC approved the Framework Data Element Management Guidelines to be used as a guidance document that outlines considerations and the process for updating the Framework Data Element list. The goal of this update is to review current themes, theme descriptions, and data elements in the 2017 Data Inventory and document proposed changes to the themes and data elements. The outcome will establish a new baseline for the evaluating the performance of the Framework Program and data sharing and management in Oregon.

The Framework Implementation Teams have performed an extensive review on all data previously included on the 2017 Framework Data Element list, as well as data currently published on Oregon Spatial Data Library and Oregon’s ArcGIS Online. Over 300 data elements were reviewed and categorized into five categories; existing Framework elements with no changes proposed, existing Framework elements with changes proposed, data elements proposed to be removed from Framework Program, new data elements proposed being added to the Framework Program, and data elements for future consideration.

Detailed changes proposed for both themes and data elements are detailed the Public Review Draft – Tables document.

Introduction

Oregon’s Framework Program is a collaborative network of GIS practitioners across the state who support the creation and maintenance of foundational and authoritative geospatial data (called geographic data as defined in ORS 276A.203 (4)(b)(B)). The Framework Program develops data standards, stewardship, and governance processes to promote and advance geospatial data use and sharing. Framework data are fundamental geospatial data sets intended to serve the purposes of a broad range of users and are organized into 16 Framework themes:

1. Address Points
2. Administrative Boundaries
3. Bioscience
4. Cadastral
5. Climate
6. Coastal and Marine
7. Elevation
8. Geodetic Control
9. Geoscience
10. Hazards
11. Hydrography
12. Imagery
13. Land Use/Land Cover
14. Preparedness
15. Transportation
16. Utilities

Framework datasets are developed to adopted standards, shared openly, and maintained through a voluntary, collaborative, community-based effort participated in by local, regional, state, tribal, and federal governments. As stated in Oregon Revised Statute (ORS) 276A.500-515, the Oregon Geographic Information Council (OGIC) serves as the statewide governing body for sharing and managing geospatial Framework data, coordinates data sharing by public bodies, identifies best practices for managing geographic information, and how to apply these practices within the state. OGIC also specifies the geospatial Framework data that is to be shared between public bodies, and reviews and endorses the data standards by which Framework data is to be created, maintained, and shared.

In October of 2022, OGIC approved the Framework Data Element Management Guidelines to be used as a guidance document that outlines considerations and the process for updating the Framework Data Element list. The goal of this update is to review current themes, theme descriptions, and data elements in the 2017 Data Inventory and document proposed changes to the themes and data elements. The outcome will establish a new baseline for the evaluating the performance of the Framework Program and data sharing and management in Oregon.

Framework Data Requirements

The Framework Program has defined requirements¹ that are used to determine whether data elements should be considered Framework data. Data is considered Framework if data elements have multiple, well-defined users and use cases; are authoritative and statewide; or are required by legislative mandate. These requirements are further described in Table 1.

Table 1. Framework Data Element Requirements

Requirement	Description
Multiple, well-defined use cases	Multiple, well-defined business uses that articulate the importance of the creation and long-term maintenance of the data.
Multiple, well-defined users	Well-defined set of users or organizations/agencies who rely on the data for their business needs.
Authoritative Data	Data that can be officially certified and are provided by an entity that is authorized to develop or manage data for a specific business purpose.
Statewide	Statewide datasets are the goal, however, may require aggregation of many sub-sets/jurisdictional data.
Required by Legislation	Data required in statute for agencies to acquire and maintain.

Inventory Process

FITs reviewed data elements, theme name and theme descriptions currently included as Framework data from the Oregon Spatial Data Library², Oregon ArcGIS Online³, and previous inventory list that was completed in 2017⁴ and provided initial recommendations to the Framework Program Coordinator.

All data elements, theme names and theme descriptions were compiled into a comprehensive inventory. Data elements were categorized into five major categories; existing Framework elements with no changes proposed, existing Framework elements with changes proposed, data elements proposed to be removed from Framework Program, new data elements proposed being added to the Framework Program, and data elements for future consideration. See Table 2 for descriptions of each category.

¹ Additional resources such as Framework Program Goals and Guiding Documents can be found at <https://www.oregon.gov/geo/Pages/fit.aspx>.

² Oregon Spatial Data Library (OSDL) currently hosts framework data as downloads. OSDL will be sunset in December 2023 as the Framework Program transitions from zip download format into online feature services through GeoHub. GeoHub is expected to launch in June 2023. <https://spatialdata.oregonexplorer.info/geoportal/>

³ Oregon ArcGIS Online currently serves out a selection of Framework data elements as online feature services. <https://geo.maps.arcgis.com/home/index.html>

⁴ Most recent Framework Data Inventory was completed in 2017. <https://www.oregon.gov/geo/FIT/Documents/FrameworkElements2017.pdf>

Table 2. Description of Data Element Categories

Category	Description
Existing Data Elements	Data elements listed in the 2017 Data Inventory and currently published and available.
Existing Data Elements with Changes Proposed	Data elements listed in the 2017 Data Inventory and currently published and available, but changes such as consolidating small data sets into larger data sets, breaking larger datasets into multiple smaller data sets, name changes, or theme changes have been proposed.
Removed Data Elements	Data elements listed in the 2017 Data Inventory and proposed for removal.
New Data Elements	Data elements that have been created since the previous inventory in 2017, or datasets currently in progress.
Data Elements for Future Consideration	Data elements that have use-cases identified, but don't currently exist or is not compiled for the State.

After each theme's data elements were compiled and categorized into a single comprehensive table, the FIT Leads, Framework Program Coordinator, and State Geographic Information Officer (GIO) reviewed the tables in preparation for publishing this public review draft.

Review Process

The public review comment period will begin June 1, 2023, and extend until June 30, 2023.

Additional reviews to be completed throughout June 2023 include technical reviews by Oregon's GIS Program Leaders⁵ and OGIC's Technical Advisory Committee⁶. All comments will be reviewed and considered by Framework Program Coordinator and State GIO. The 2023 Framework Data Elements List are to be updated with comments received and presented for vote to formally adopt the list at OGIC's meeting currently scheduled for July 26, 2023.

⁵ Oregon's GIS Program Leaders is a group of state agency GIS leaders who meet monthly to coordinate GIS activities at the State, discuss GIS technologies, and advance GIS use and data sharing across the enterprise. <https://www.oregon.gov/geo/Pages/gpl.aspx>

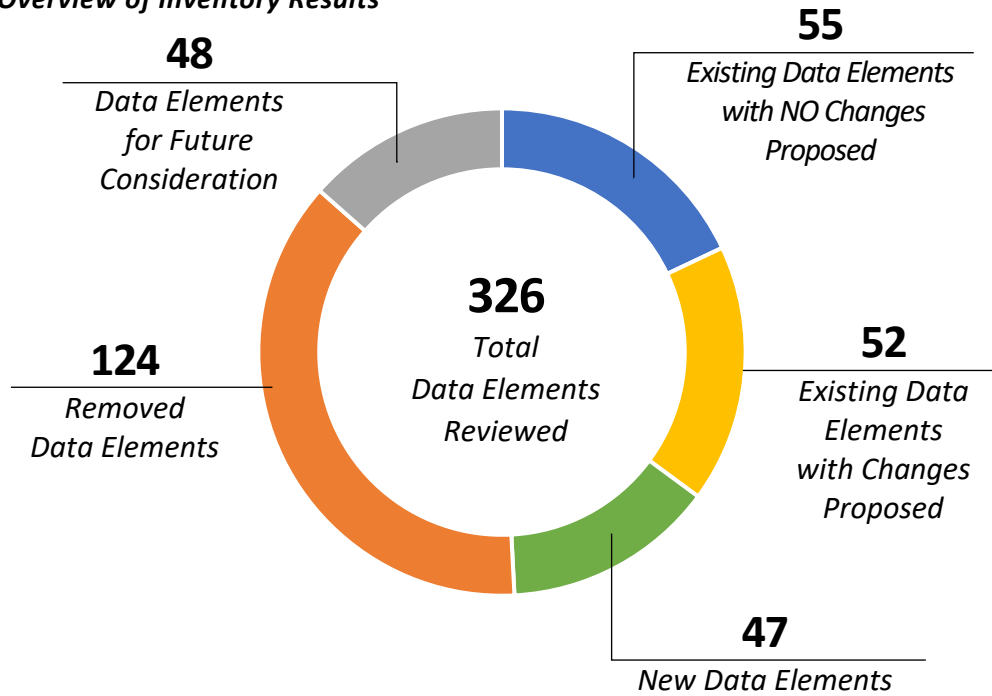
⁶ The Technical Advisory Committee (TAC) established in 2020, provides the Oregon Geographic Information Council (OGIC) with technical advice related to GIS technology, GIS coordination, and geospatial data management, use, and governance. <https://www.oregon.gov/geo/Pages/tac.aspx>

Inventory Results

Overview of Results

Throughout the process, 326 data elements were taken into consideration as Framework data elements. Proposed recommendations removed 124 data elements from data inventory. In addition, 47 new data have been added and an additional 48 data elements have been identified for future consideration (see Figure 1).

Figure 1. Overview of Inventory Results



Detailed tables listing all existing Framework data elements and proposed changes can be found in the **Public Review Draft – Tables** document.