

Oregon ShoreZone

New Video System Capabilities for the ShoreZone Partnership



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Acknowledgements



Project Partners

ODFW – Dave Fox

DLCD– Andy Lanier, Tanya Haddad

ShoreZone Contractors

Coastal and Ocean Resources – Dr. John Harper,

Coastal and Ocean Resources – Dr. Carl Schoch

Archipelago Marine Research – Mary Morris

Mapiworks – Mario Pilz

Funding

State of Oregon

Department of Fish and Wildlife

Department of Land Conservation and Development

Department of Administrative Services – Oregon

Geographic Information Council

NOAA Office of Ocean and Coastal Resource Management

USFWS State Wildlife Grants

Project Scope

- **Initial Survey(2011)**
 - 2,071 km of Oregon ocean and estuary shoreline photographed
- **Shoreline Mapped (2014)**
 - 95% of video imagery classified
- **Video Application Developed (June 2015)**



Customizing a ShoreZone Video App

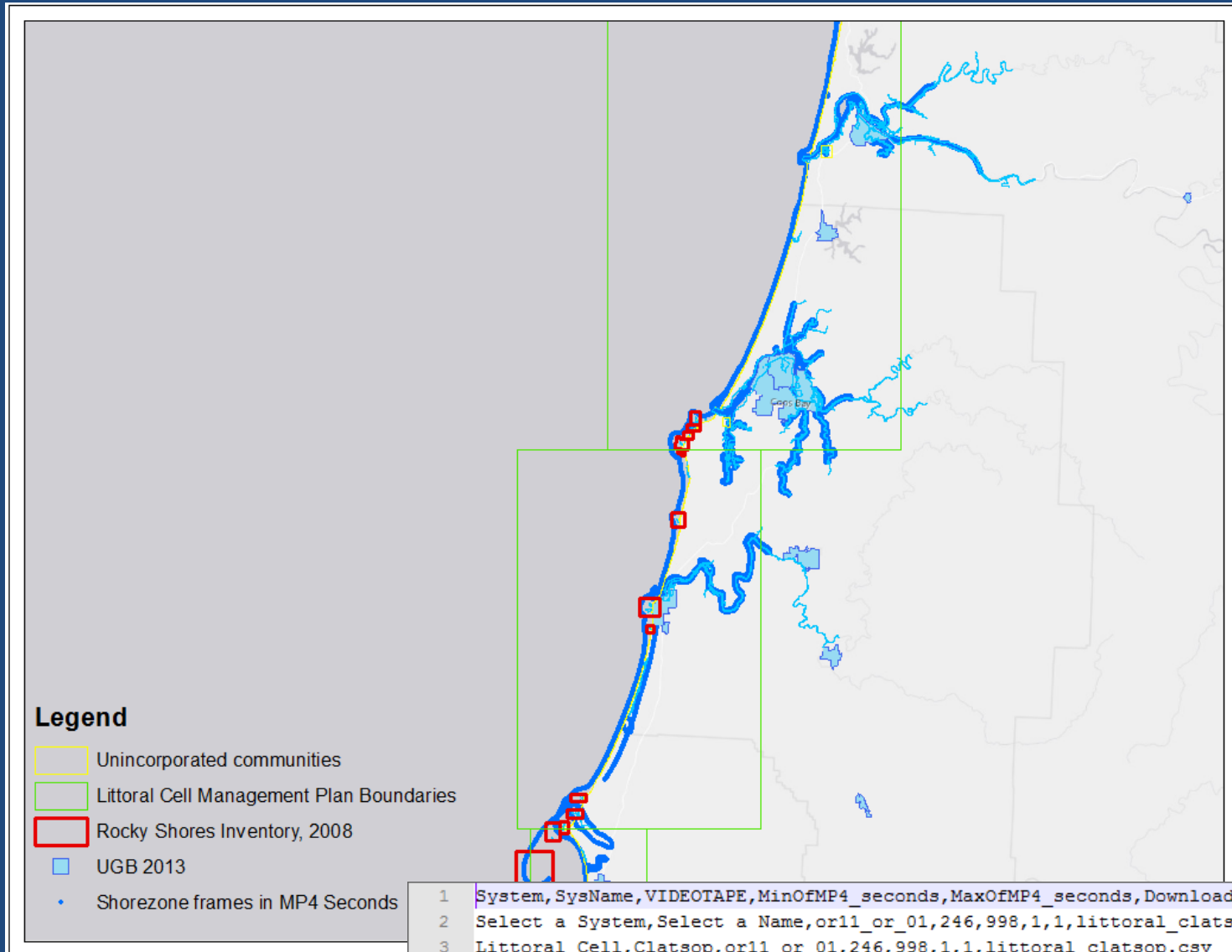


A Focus on the Video Imagery

- Videos can be played from two different sources to optimize playback (YouTube, Oregon Coastal Atlas)
- Named system segments are provided in the menu for ease of browsing the imagery (Littoral Cells, Rocky Shores, Estuaries, Communities).
- Adjacent systems are suggested to the N, S
- Configurable through a .txt file

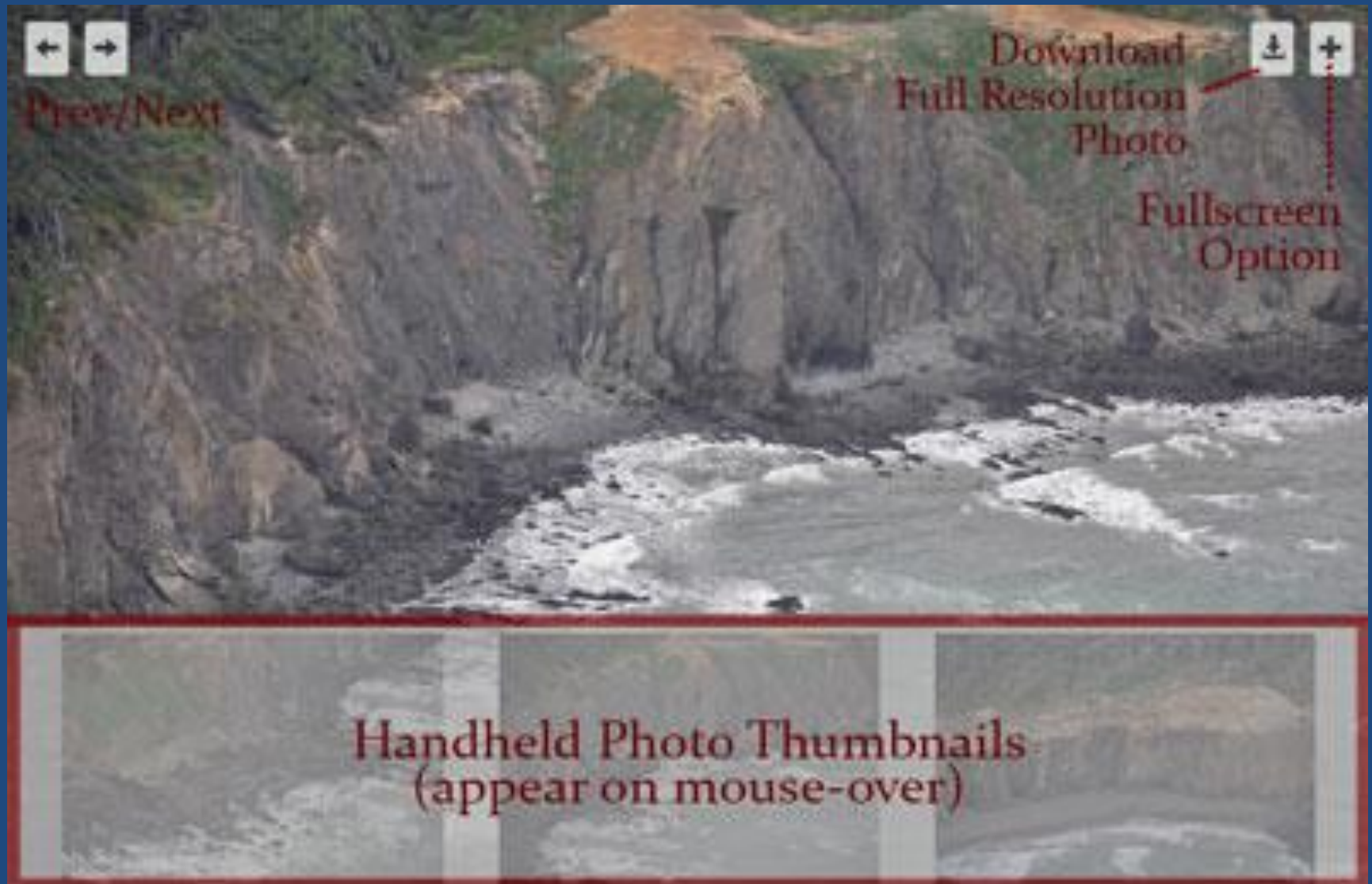


Video System Segment Planning



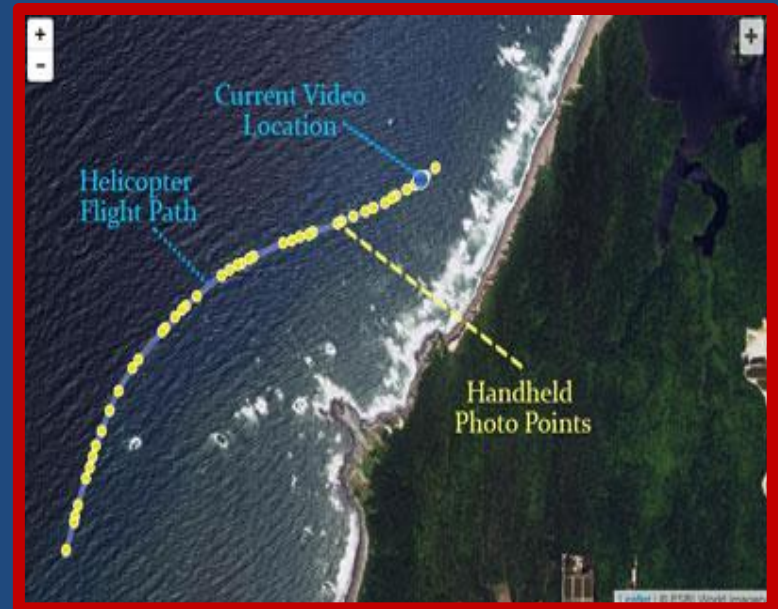
	System	SysName	VIDEOTAPE	MinOfMP4_seconds	MaxOfMP4_seconds	Downloadable	Vis_PrevNext	Tiles
1								
2	Select a System	Select a Name	or11_or_01	246,998	1,1	littoral_clatsop.csv		
3	Littoral Cell	Clatsop	or11_or_01	246,998	1,1	littoral_clatsop.csv		
4	Littoral Cell	Clatsop	or11_or_01	1765,2121	1,1	littoral_clatsop.csv		
5	Littoral Cell	Cannon	or11_or_01	2242,2849	1,1	littoral_cannon.csv		
6	Littoral Cell	Rockaway	or11_or_01	2850,3430	1,1	littoral_rockaway.csv		
7	Littoral Cell	Rockaway	or11_or_02	73,700	1,1	littoral_rockaway.csv		

The Photo Panel: Access to the Photos (Full Resolution!)



The Map Panel: Easily navigate to areas of interest

The panel shows the extent of the ShoreZone segment selected for display while also enabling navigation to specific locations by moving the blue dot from it's current location to the desired one (and then clicking play button on the video panel).

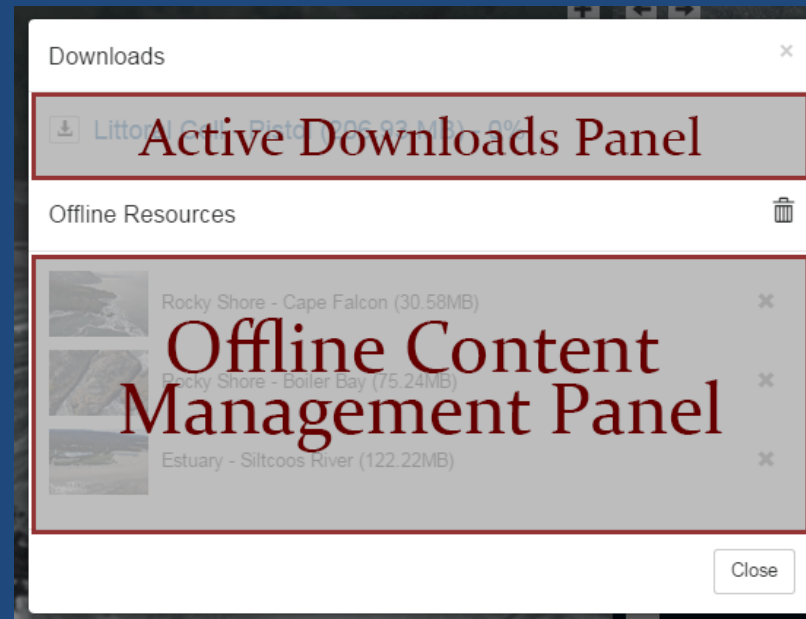


Basemap Toggle provided to switch between imagery and map background.

ShoreZone To Go - Offline Mode!



Play/Pause Slow Motion Video Source Offline Mode Segment Download Download Menu





Welcome to Oregon ShoreZone

Oregon ShoreZone is a project that builds upon several decades of previous work. There are existing ShoreZone projects covering the shorelines of [Alaska](#), British Columbia, and [Washington](#). The addition of Oregon to the ShoreZone family extends this valuable dataset from the Columbia River mouth down to the California border.

ShoreZone Images

Oblique low-altitude digital still imagery of the Oregon shorezone was collected to supplement ShoreZone video. Browse these image locations via an online map and link to full resolution downloads.

[Browse Photos](#)

ShoreZone Data

ShoreZone georeferenced aerial imagery is collected specifically for the interpretation and integration of geological and biological features of the intertidal zone and nearshore environment. This information is now available in an ESRI Geodatabase.

[Get Data](#)

ShoreZone Videos

Oblique low-altitude aerial video and digital still imagery of the Oregon coastal zone was collected during the lowest tides of the year in June 2011 from a helicopter flying at altitudes of 100-300m altitude. These videos are now available to stream online.

[Watch Videos](#)

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