Historic Columbia River Highway

Cultural Landscape Inventory: Lindsey Creek to Ruthton Point

ODOT - 12/10/2009
Barbara Knapp and Danae Whipp

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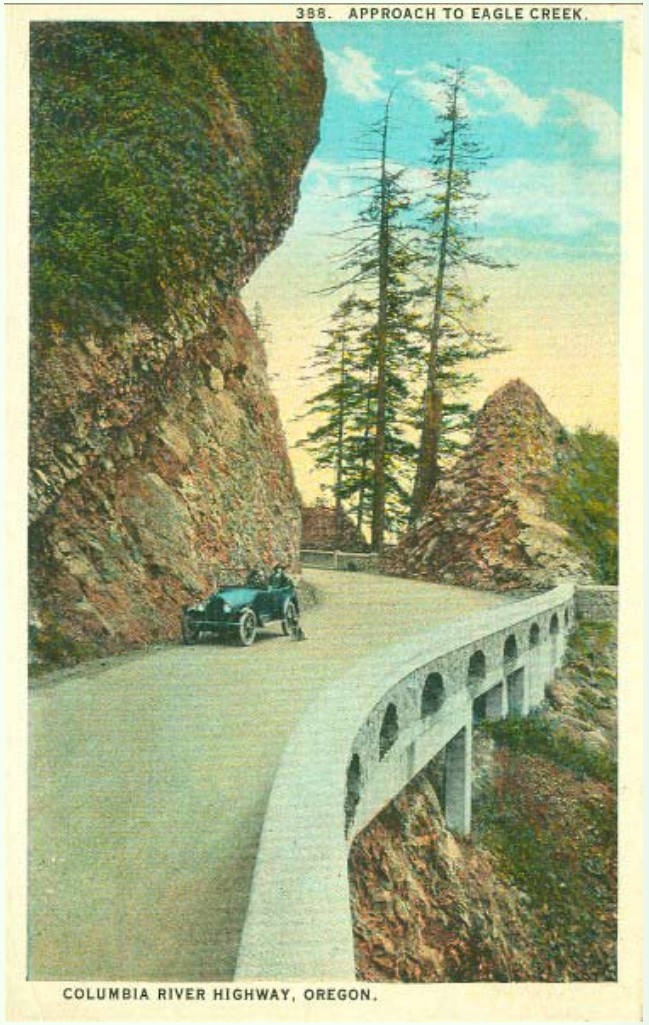
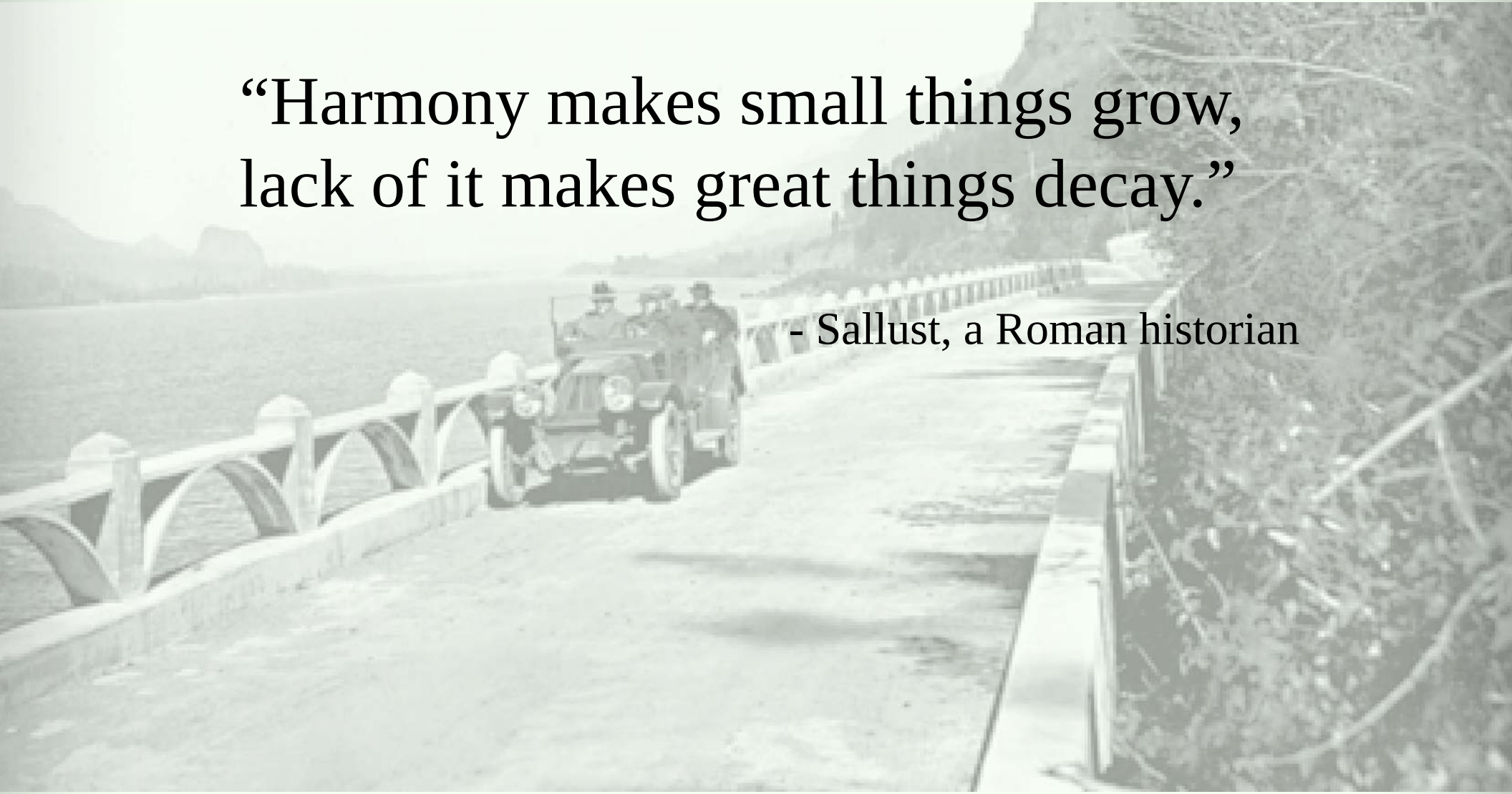
5. Application
6. Next Steps
7. Questions





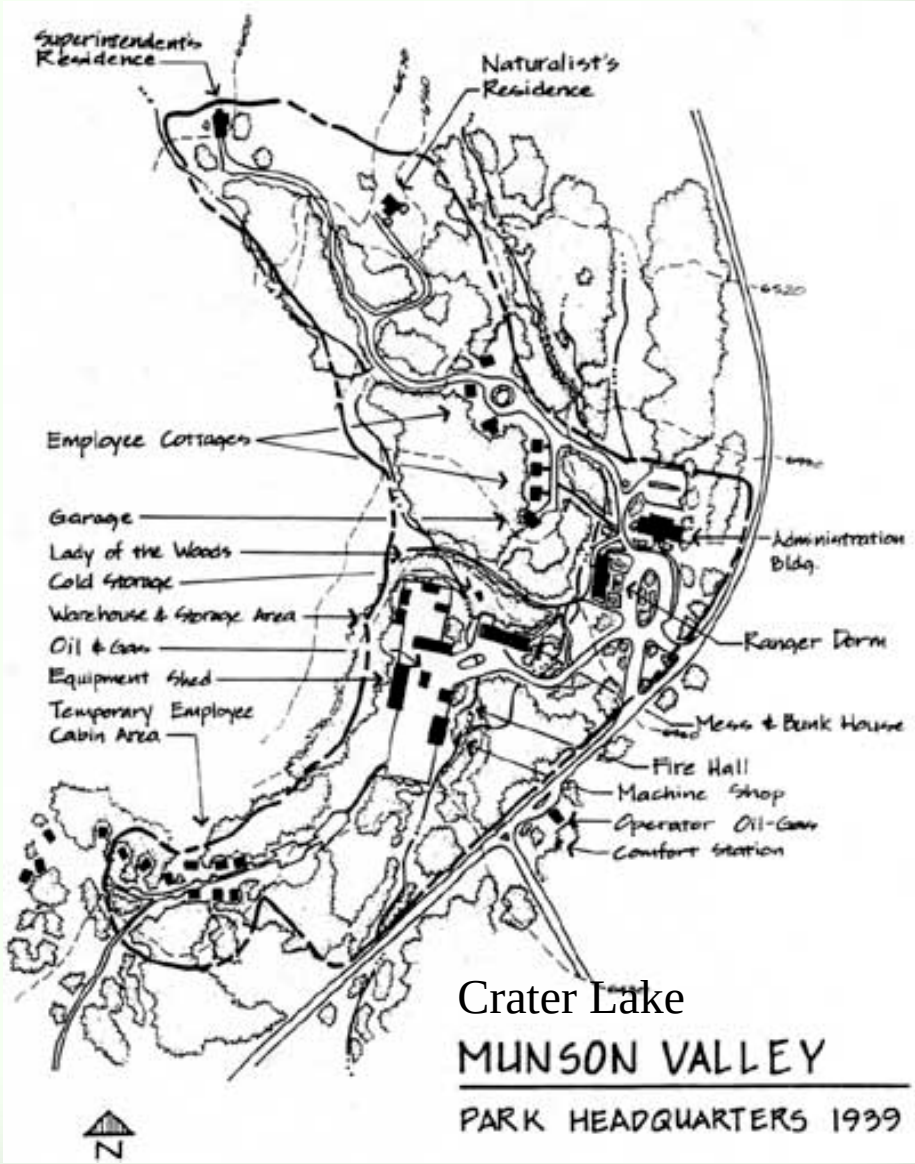
“Harmony makes small things grow,
lack of it makes great things decay.”

- Sallust, a Roman historian

What is a Cultural Landscape Inventory? (CLI)

- National Park Service based
- Physical Development
- Historic Significance
- Integrity
- Condition (G/F/P)

Deepwood Estate
Lord & Shryver



Crater Lake

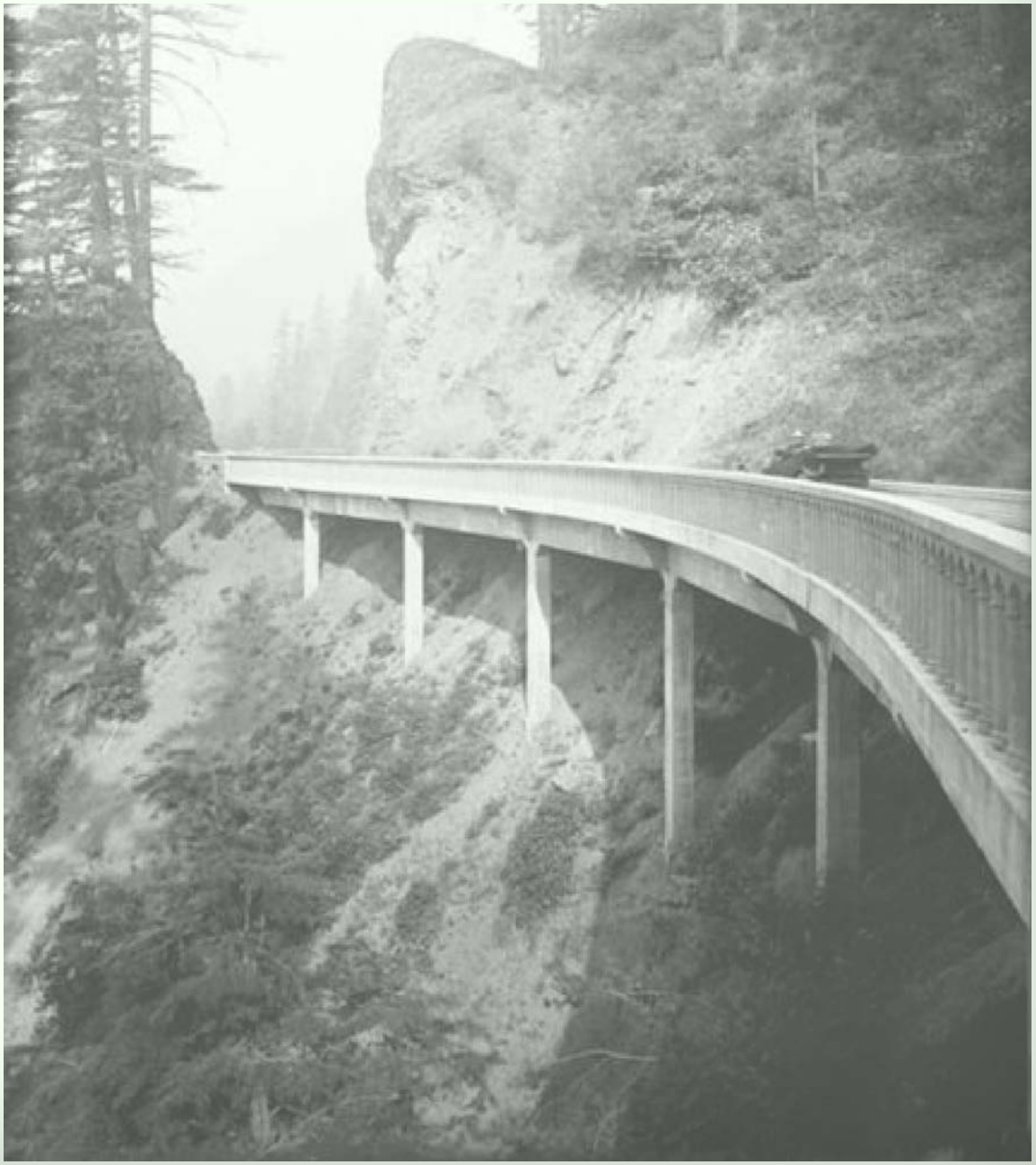
Why do a Cultural Landscape Inventory?

- Preservation and maintenance
- Long-term management
- Master planning and design
- Principal research document
- Preservation philosophy

Mt. Rainier 2006

A CLI for the Columbia River Highway

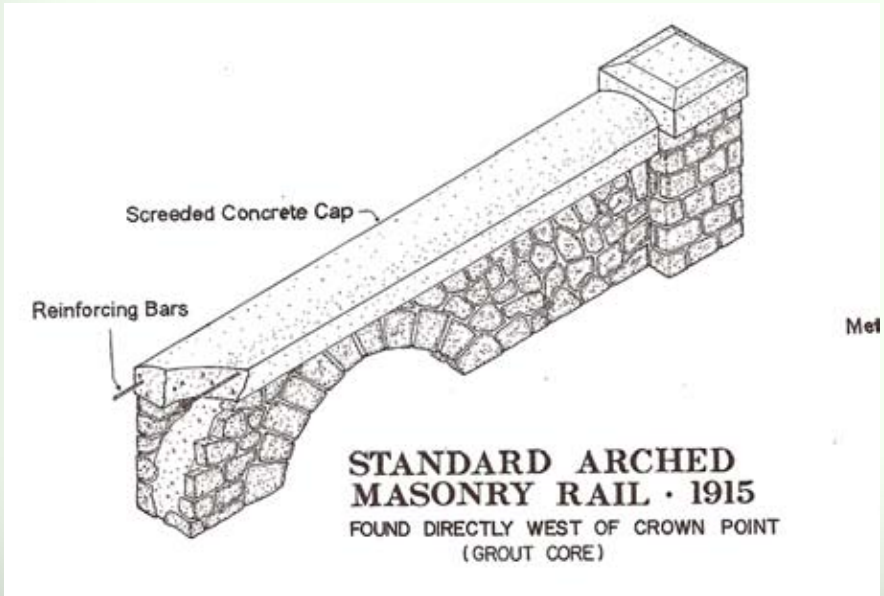
- ‘Unpacks’ landscape
- Oregon Legislature
- Reconnection design
- Goals to actions!

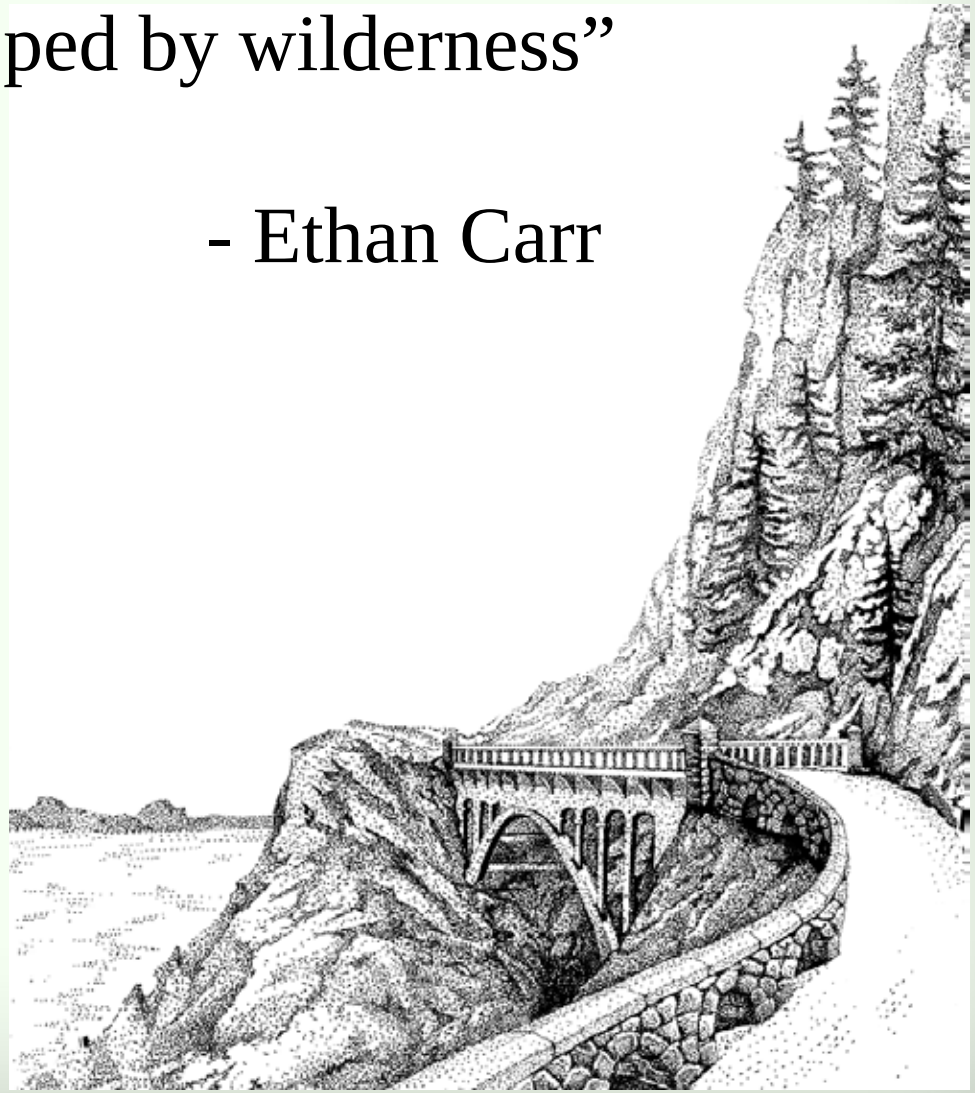


Rustic and Naturalistic Design

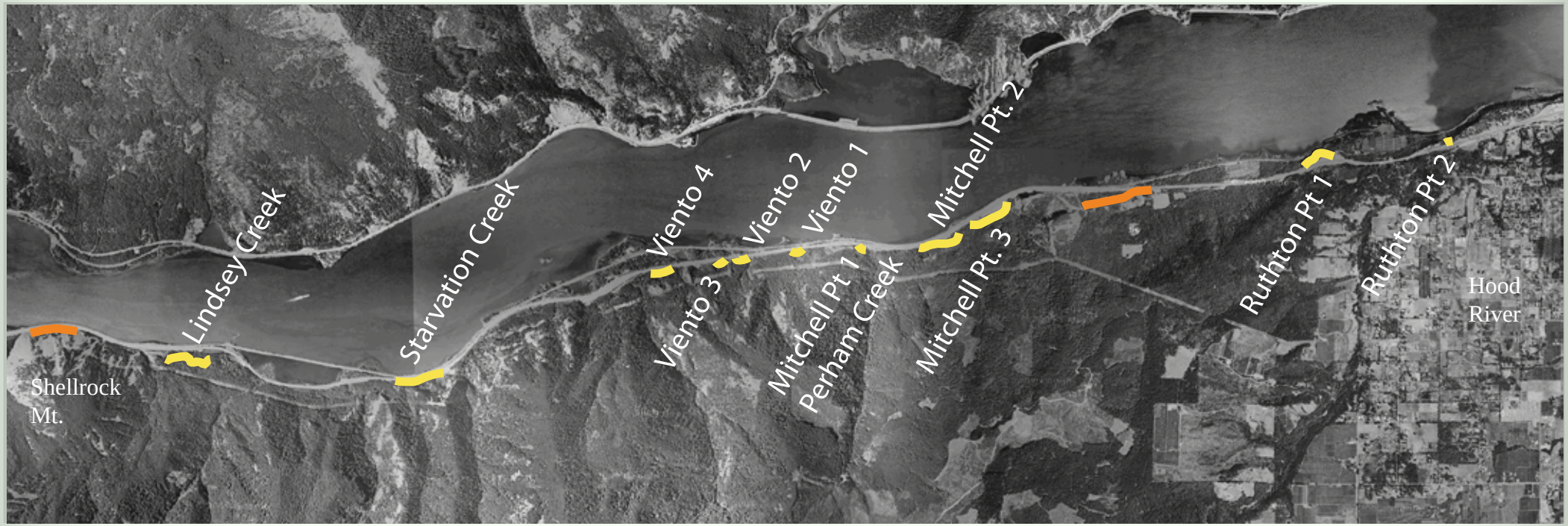
"...experience being enveloped by wilderness"

- Ethan Carr





Inventoried Historic Segments - Lindsey Creek to Ruthton Point



Totalling about two miles

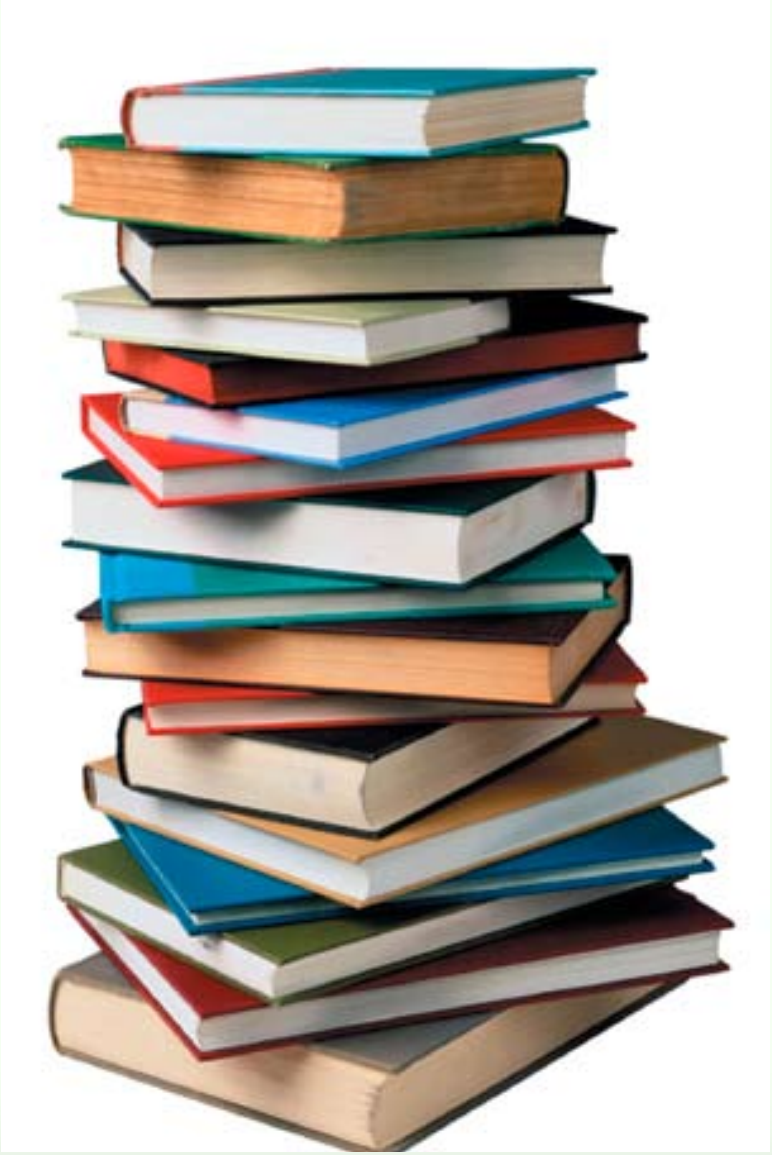
(Orange segments are historic but not inventoried)

Summary of Results

- 72 Features
- Chronology
- Database
- Condition
- Unique Style
- Views
- Road structure

Methods

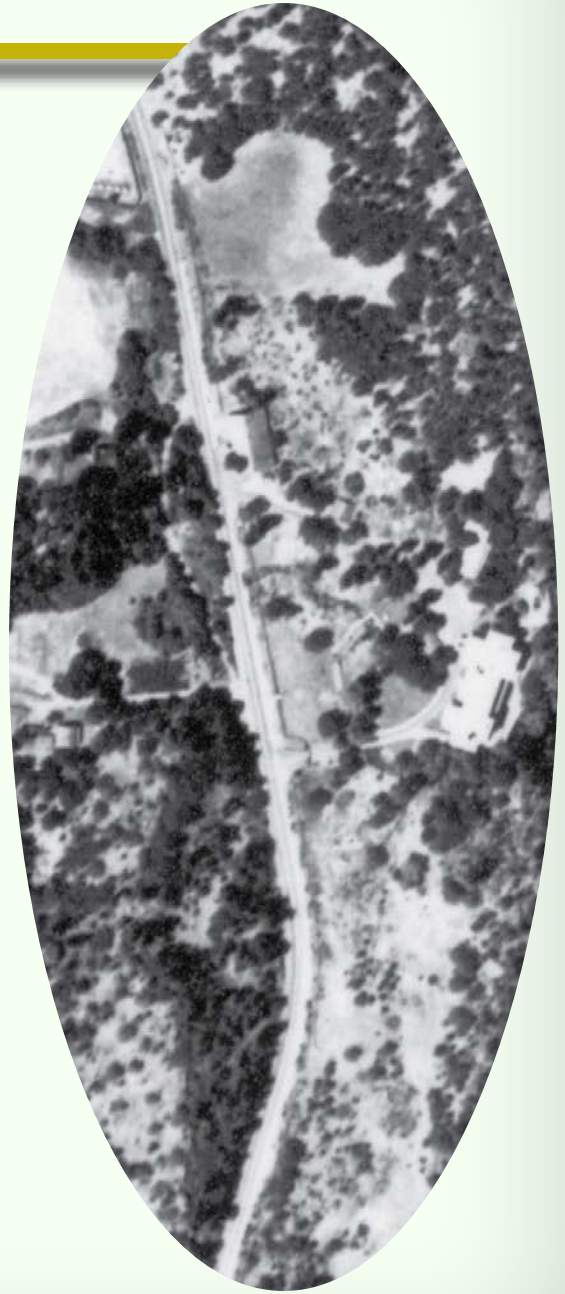
- Historic Research
- Field Work



Historic Research

- Goals
- Sources

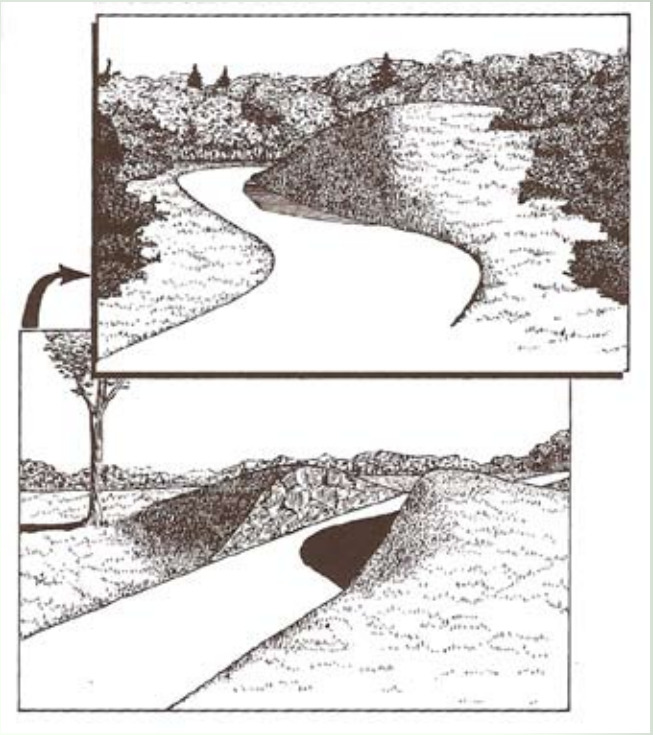
  -Historic Road Log 1924
  -1939 Aerial Photos
  -Previous Inventories and Reports
  -Historic Photographs
  -Design Drawings
  -Oral History
  -Comparisons with other historic roads



Design Intent: Alignment

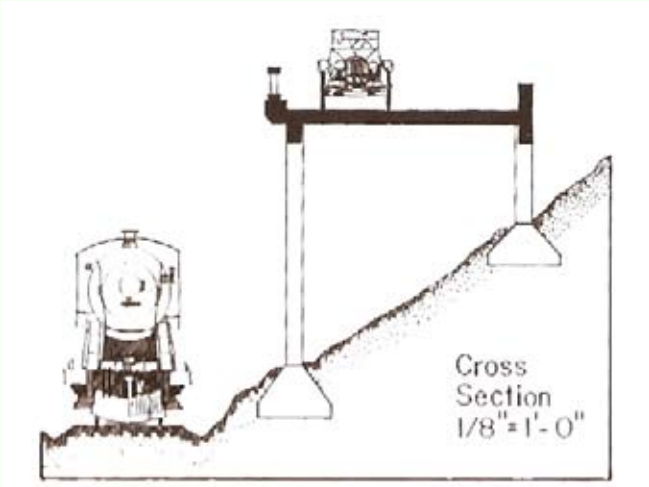
Topography

Intimacy with the landscape.

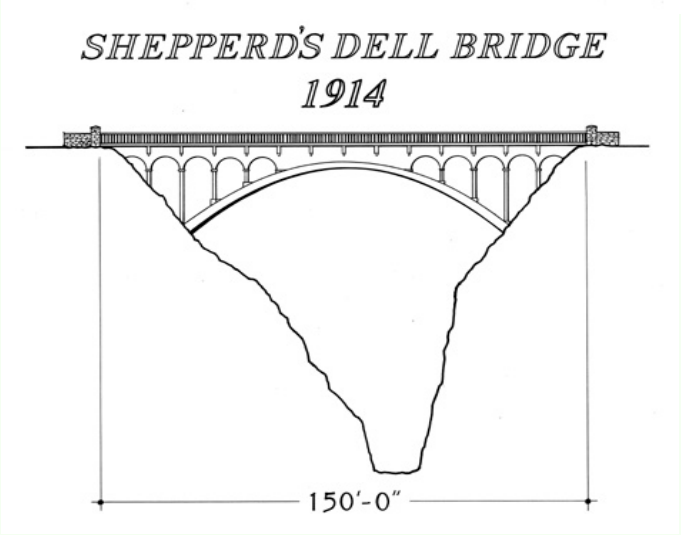


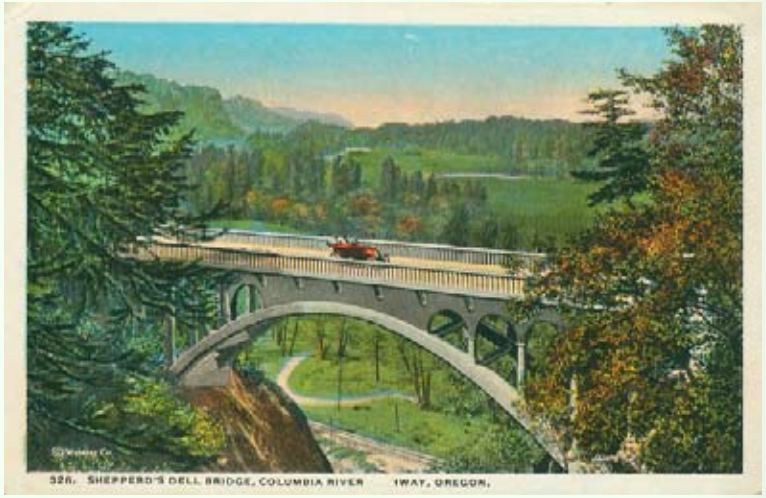
Design Intent: ‘Lying Lightly on the Land’...

Viaducts



Bridges

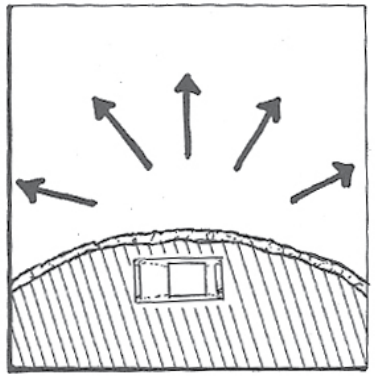




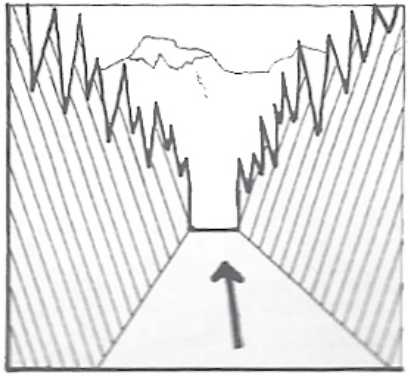
“..in order not to disturb the mountain, and ruin the trees and flowering shrubs, which are so beautiful”

Design Intent: Views

PANORAMAS

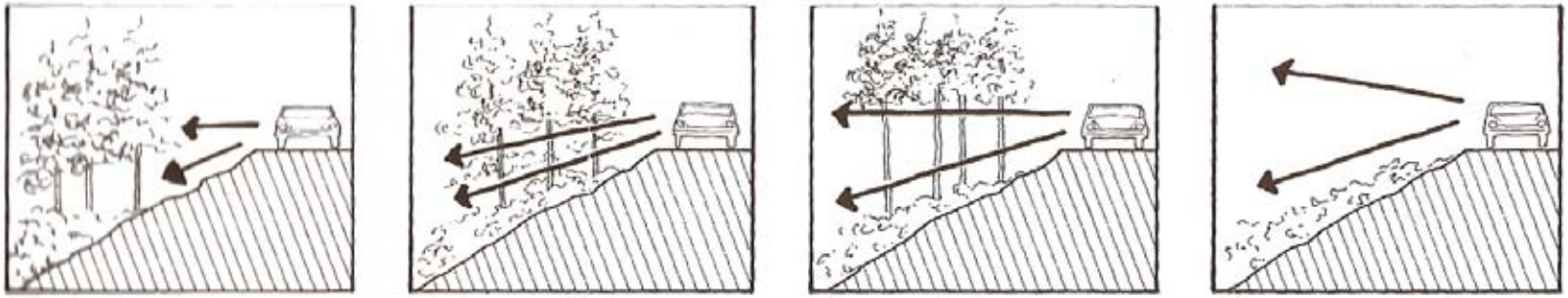


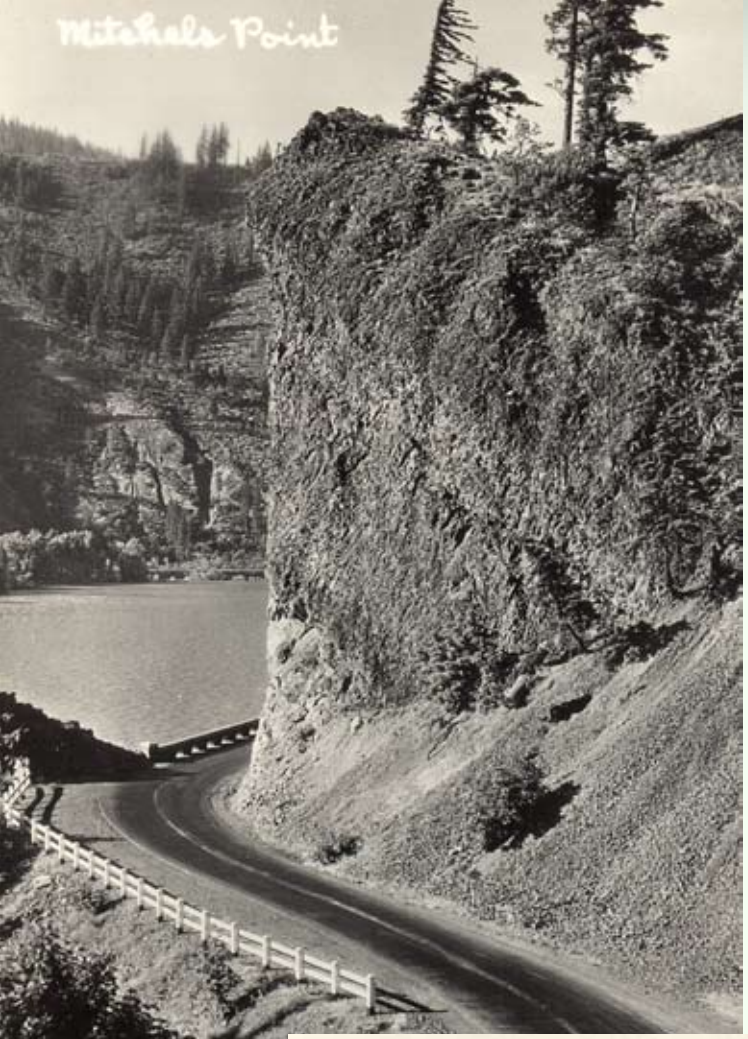
AXIAL VIEWS



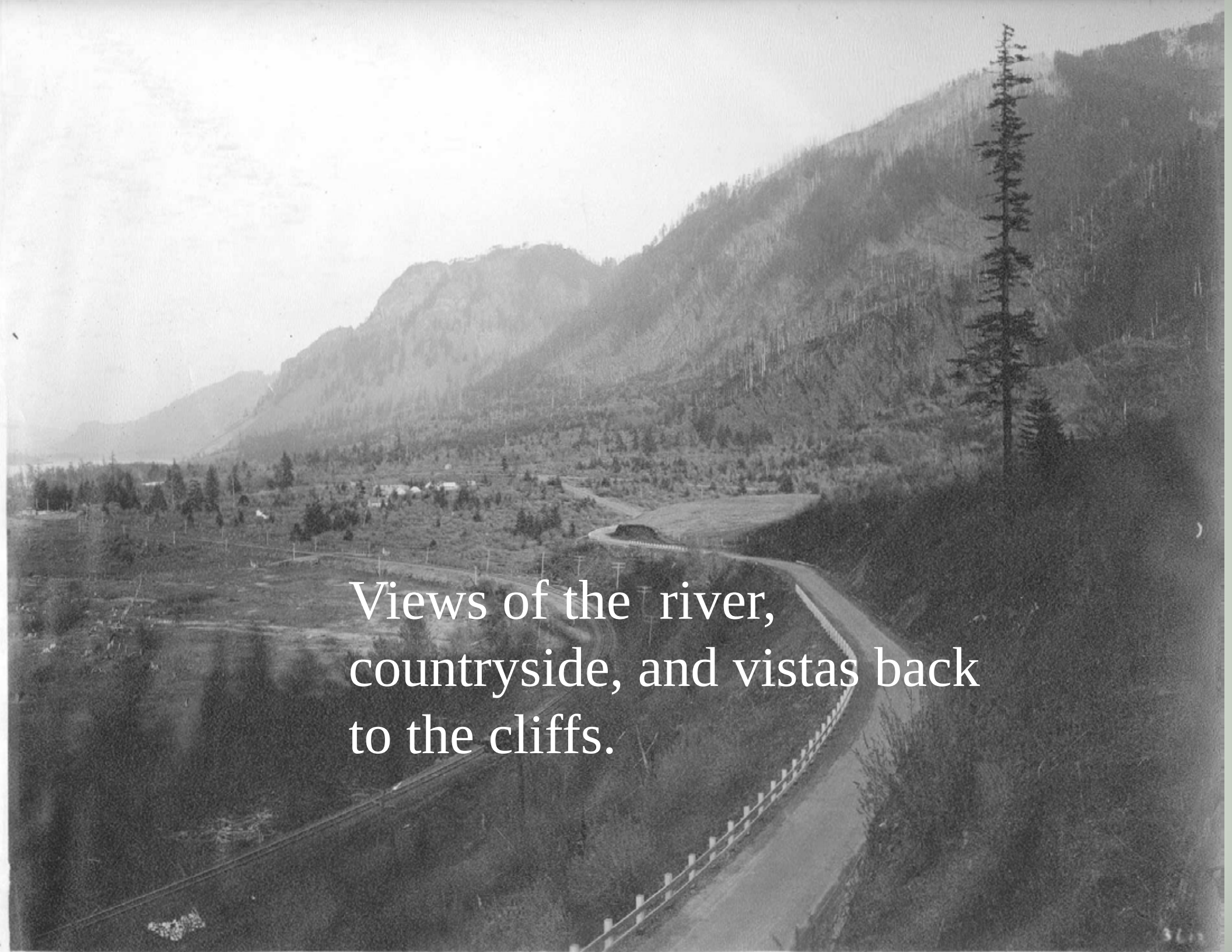
VISTA MANAGEMENT

Lake McDonald




Mitchels Point

Columbia River Highway
Scene at
Mitchell Point 41


Views of the river,
countryside, and vistas back
to the cliffs.

Field Work

- Identify and map historic features
- Road ‘storyline’
- Condition
- Data dictionary
- Field form

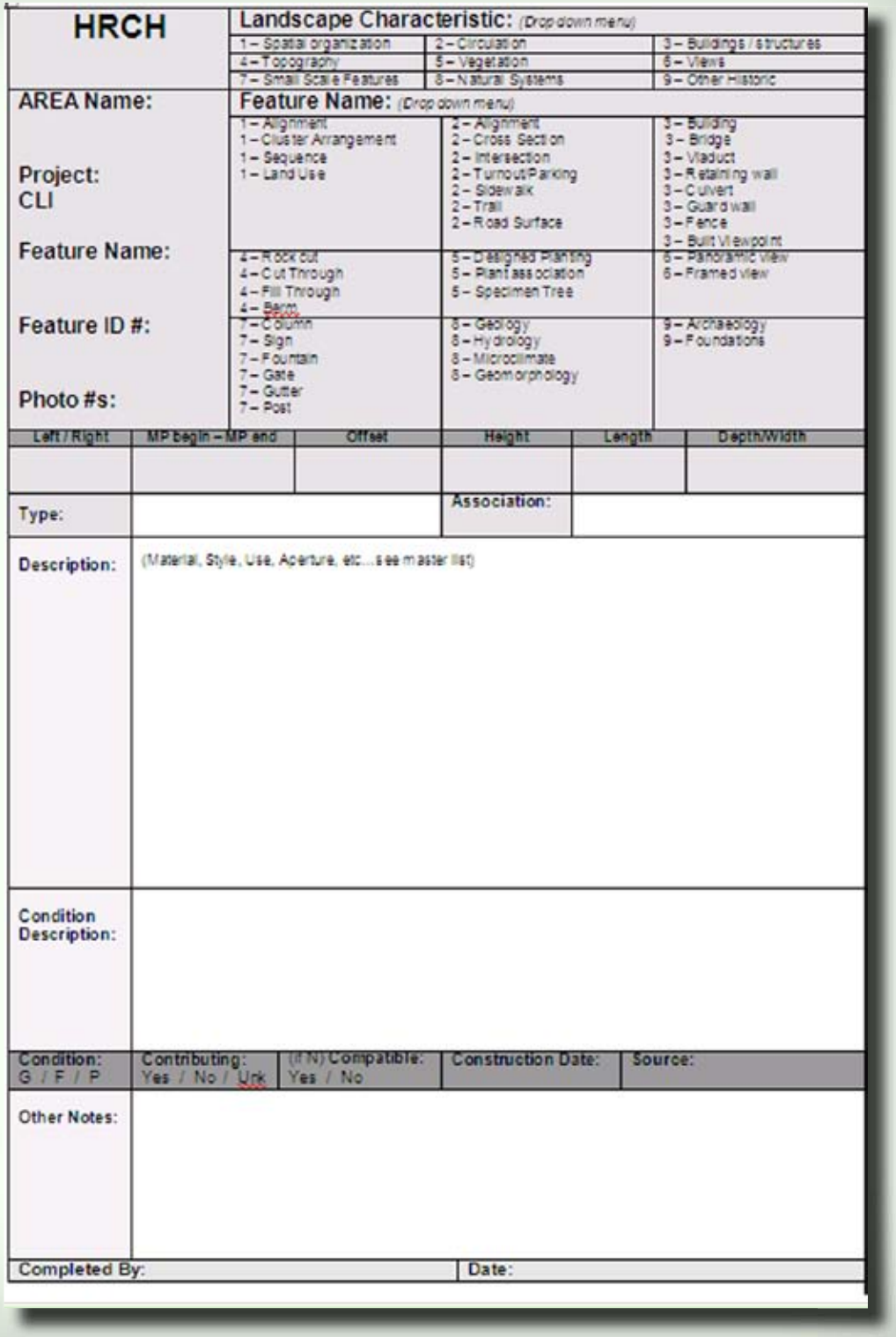
Field Form

Identification Info

Description Info

Condition Info

Other Notes



HRCH	Landscape Characteristic: (Drop down menu)		
	1 – Spatial organization	2 – Circulation	3 – Buildings / structures
	4 – Topography	5 – Vegetation	6 – Views
	7 – Small Scale Features	8 – Natural Systems	9 – Other Historic
AREA Name: Project: CLI Feature Name: Feature ID #: Photo #s:	Feature Name: (Drop down menu)		
	1 – Alignment 1 – Cluster Arrangement 1 – Sequence 1 – Land Use	2 – Alignment 2 – Cross Section 2 – Intersection 2 – Turnout/Parking 2 – Sidewalk 2 – Trail 2 – Road Surface	3 – Building 3 – Bridge 3 – Viaduct 3 – Retaining wall 3 – Culvert 3 – Guard wall 3 – Fence 3 – Built Viewpoint
	4 – Rock cut 4 – Cut Through 4 – Fill Through 4 – Berm	5 – Designed Planting 5 – Plant association 5 – Specimen Tree	6 – Panoramic view 6 – Framed view
	7 – Column 7 – Sign 7 – Fountain 7 – Gate 7 – Gutter 7 – Post	8 – Geology 8 – Hydrology 8 – Microclimate 8 – Geomorphology	9 – Archaeology 9 – Foundations

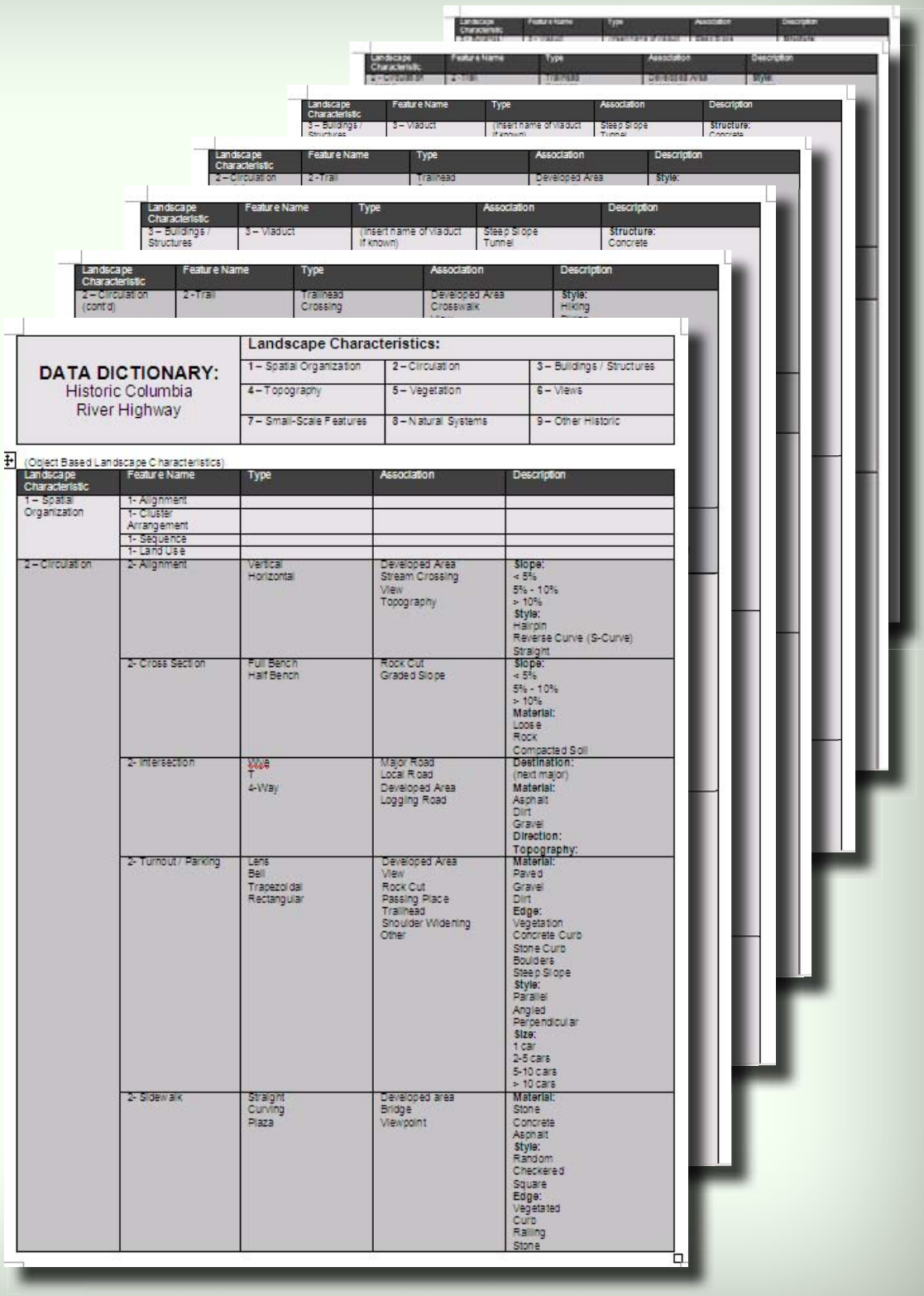
Left / Right	MP begin – MP end	Offset	Height	Length	Depth/Width

Type:		Association:	
Description:	(Material, Style, Use, Aperture, etc…see master list)		
Condition Description:			

Condition: G / F / P	Contributing: Yes / No / Unk	(if N) Compatible: Yes / No	Construction Date:	Source:
Other Notes:				
Completed By:			Date:	

Data Dictionary

- Describes each feature
- Standardizes information
- Specific to HCRH design



DATA DICTIONARY:
Historic Columbia River Highway

Landscape Characteristics:		
1 – Spatial Organization	2 – Circulation	3 – Buildings / Structures
4 – Topography	5 – Vegetation	6 – Views
7 – Small-Scale Features	8 – Natural Systems	9 – Other Historic

(Object Based Landscape Characteristics)

Landscape Characteristic	Feature Name	Type	Association	Description
1 – Spatial Organization	1- Alignment			
	1- Cluster Arrangement			
	1- Sequence			
	1- Land Use			
2 – Circulation	2- Alignment	Vertical Horizontal	Developed Area Stream Crossing View Topography	**Slope:** < 5% 5% - 10% > 10% **Style:** Hairpin Reverse Curve (S-Curve) Straight
	2- Cross Section	Full Bench Half Bench	Rock Cut Graded Slope	**Slope:** < 5% 5% - 10% > 10% **Material:** Loose Rock Compacted Soil
	2- Intersection	Wye T 4-Way	Major Road Local Road Developed Area Logging Road	**Destination:** (next major) **Material:** Asphalt Dirt Gravel **Direction:** **Topography:**
	2- Turnout / Parking	Lens Bell Trapezoidal Rectangular	Developed Area View Rock Cut Passing Place Trailhead Shoulder Widening Other	**Material:** Paved Gravel Dirt **Edge:** Vegetation Concrete Curb Stone Curb Boulders Steep Slope **Style:** Parallel Angled Perpendicular **Size:** 1 car 2-5 cars 5-10 cars > 10 cars
	2- Sidewalk	Straight Curving Plaza	Developed area Bridge Viewpoint	**Material:** Stone Concrete Asphalt **Style:** Random Checkered Square **Edge:** Vegetated Curb Railing Stone

Example:
Stone walls

Rubble
Mortared
Dry-Laid
Chink stones

Coursed
Random

Bossed
Unbossed
Hewn
Semi-Hewn

18 Buildings and Structures

- culverts
- guard walls
- viaducts

Lindsey Creek Framed View

Ruthton Point Viaduct

11 Views and Vistas

- Panoramic
- Framed

13 Topographic

- Cut through
- Fill through
- Rock Cuts

Lindsey Creek Alignment

19 Circulation

- Alignment
- Trail head
- Turn outs

Lindsey Creek Cut-through

3 Archaeology

- Foundations
- Objects

Mitchell Point Designed Planting

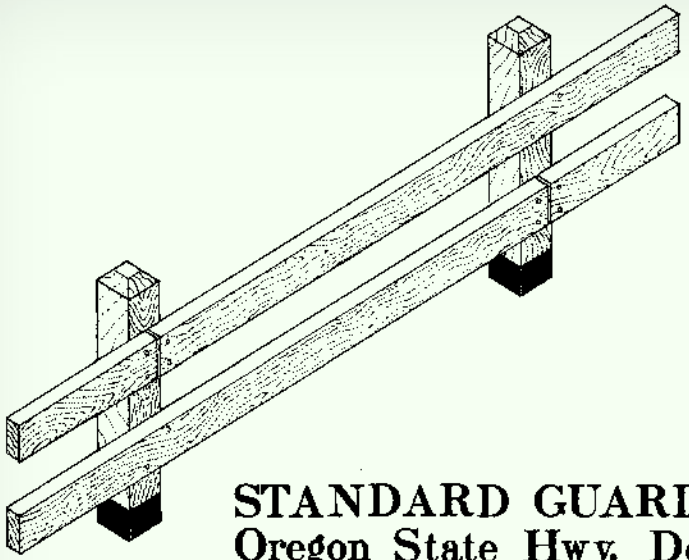
1 Vegetation

7 Small Scale Features

Viento Archaeology

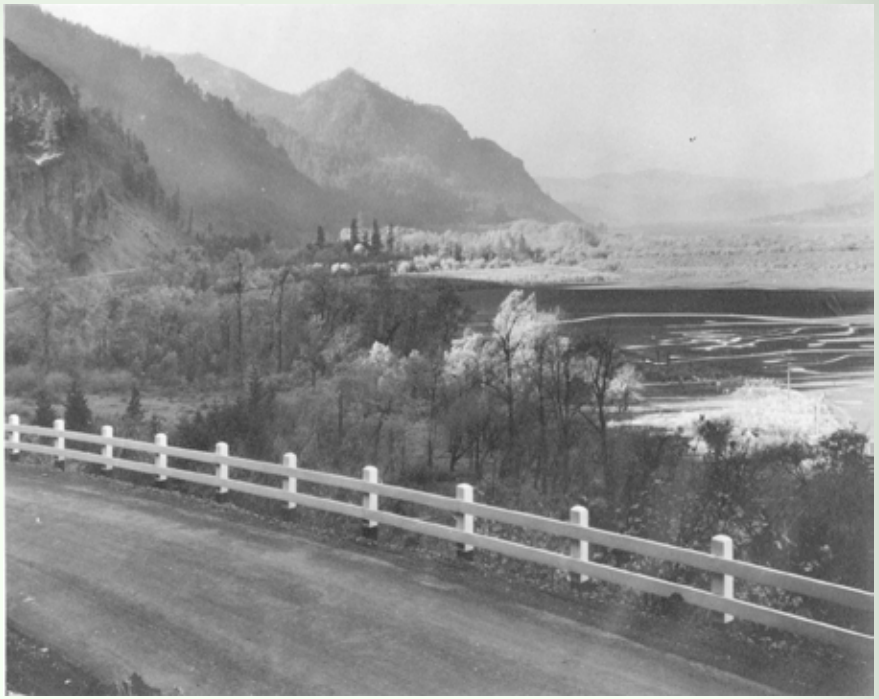
Discoveries / Results

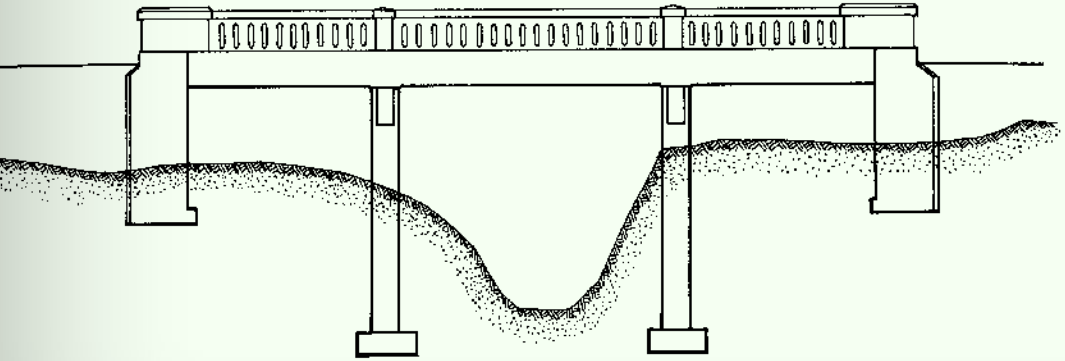
- Historic Research
- Fieldwork



STANDARD GUARD FENCE
Oregon State Hwy. Dept. · 1915 *ca.*

ORIGINALLY FOUND THROUGHOUT HIGHWAY
NO LONGER EXISTS
(NO STEEL)

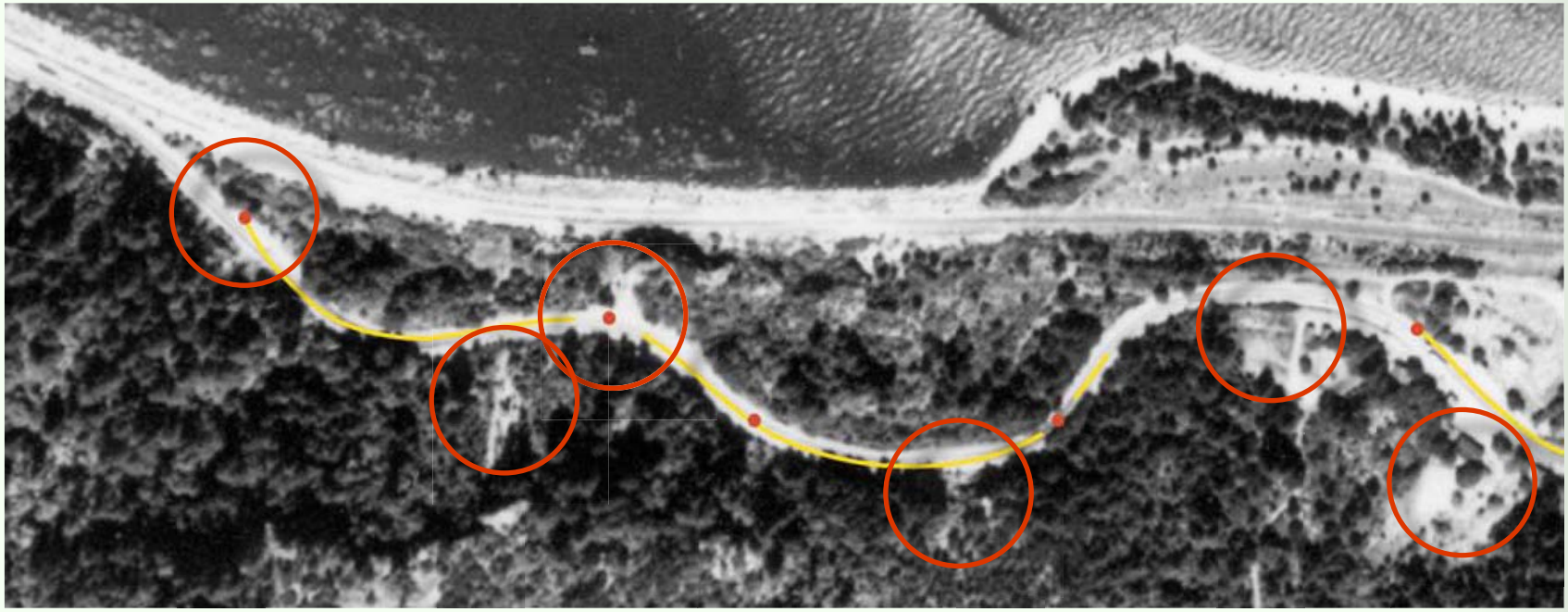




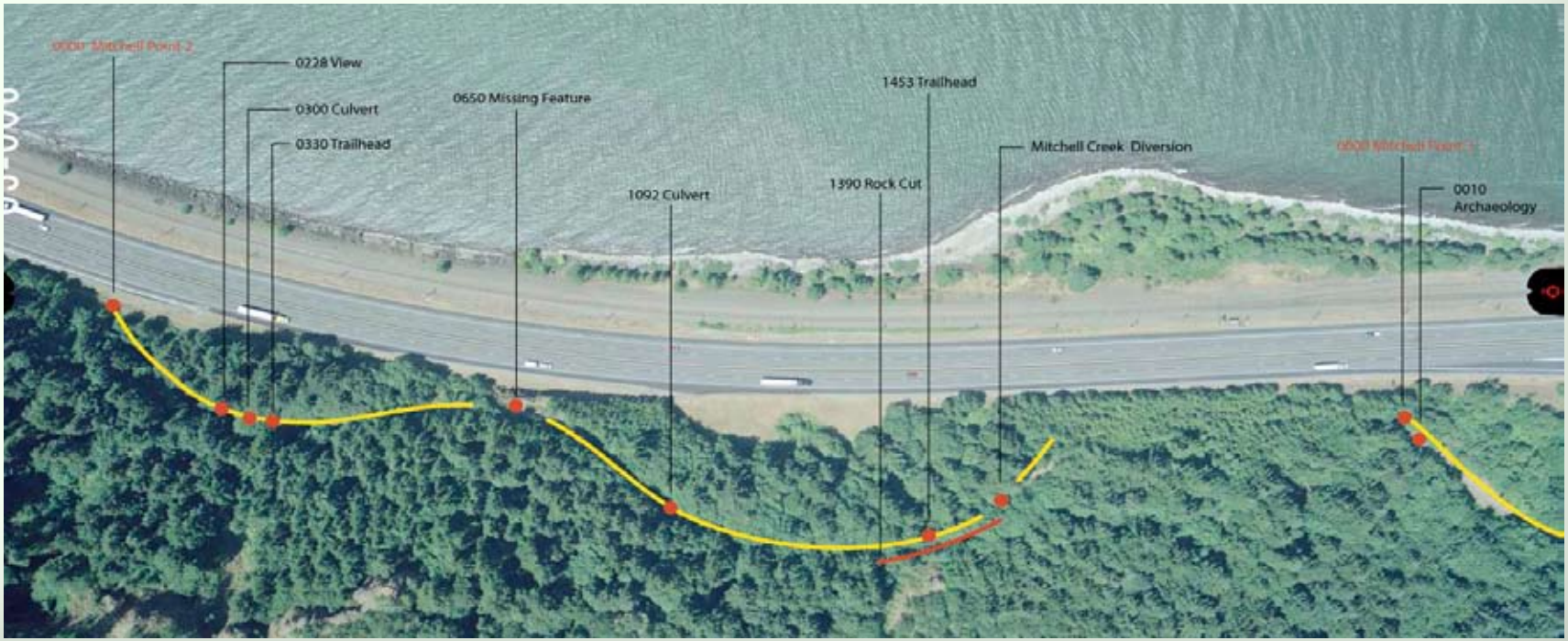
GORTON CREEK BRIDGE 1918
M.P. 52.7 50' OVERALL

What was there?

1939



2006



Comparing Then and Now

1939

2006

Field Work Examples

Culvert:
Badly clogged

Culvert

Culvert:
Stone headwall

Cabin Creek Culvert

Rocky Outcrop: Vegetation overgrown, Fair Condition

Lindsey Creek

Deliberate Planting: Planting Pocket

Lindsey Creek

Rocky Outcrop: Good condition

Lindsey Creek

1939

2009

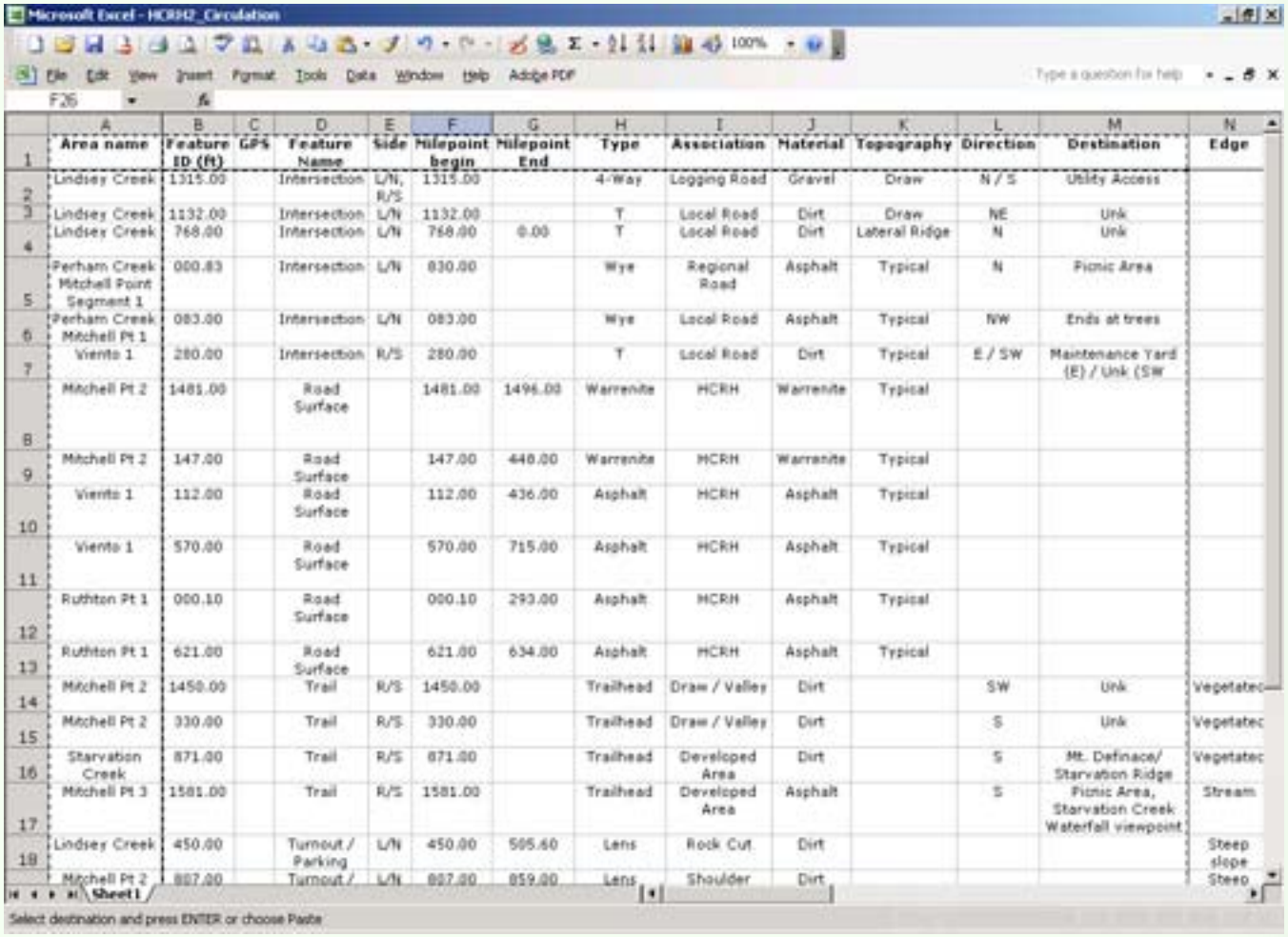
Wind Mountain from Lindsey Creek

View of Mitchell Point
from Perham Creek
2009

View of Mitchell Point
1930s

Database

- Tabular Feature Data



Microsoft Excel - HCRH2_Circulation

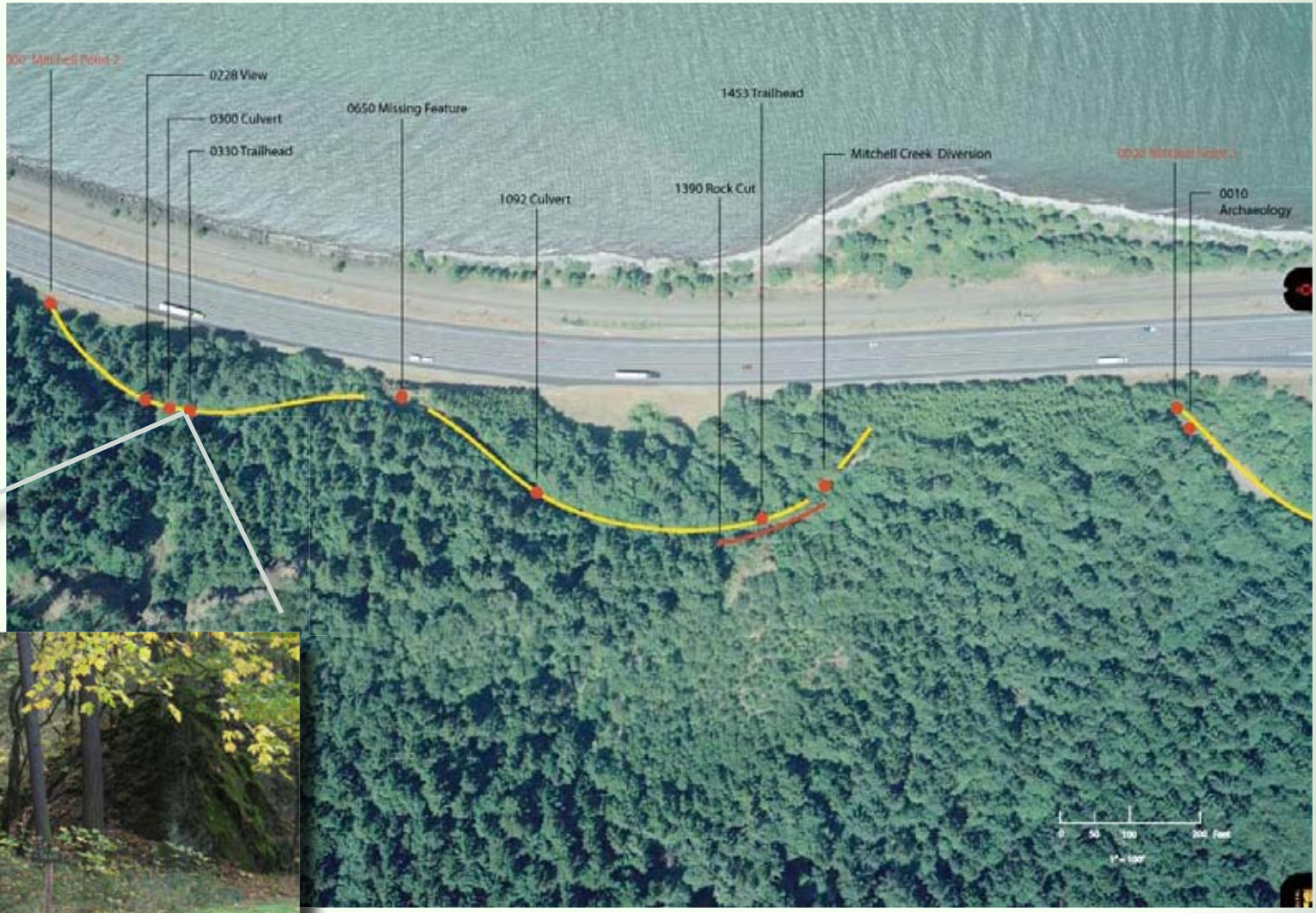
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Area name	Feature ID (ft)	GPS	Feature Name	Side	Milepoint begin	Milepoint End	Type	Association	Material	Topography	Direction	Destination	Edge
2	Lindsey Creek	1315.00		Intersection	L/N, R/S	1315.00		4-Way	Logging Road	Gravel	Draw	N / S	Utility Access	
3	Lindsey Creek	1132.00		Intersection	L/N	1132.00		T	Local Road	Dirt	Draw	NE	Unk	
4	Lindsey Creek	768.00		Intersection	L/N	768.00	0.00	T	Local Road	Dirt	Lateral Ridge	N	Unk	
5	Perham Creek Mitchell Point Segment 1	000.83		Intersection	L/N	830.00		Wye	Regional Road	Asphalt	Typical	N	Picnic Area	
6	Perham Creek Mitchell Pt 1	083.00		Intersection	L/N	083.00		Wye	Local Road	Asphalt	Typical	NW	Ends at trees	
7	Viento 1	280.00		Intersection	R/S	280.00		T	Local Road	Dirt	Typical	E / SW	Maintenance Yard (E) / Unk (SW	
8	Mitchell Pt 2	1481.00		Road Surface		1481.00	1496.00	Warrenite	HCRH	Warrenite	Typical			
9	Mitchell Pt 2	147.00		Road Surface		147.00	448.00	Warrenite	HCRH	Warrenite	Typical			
10	Viento 1	112.00		Road Surface		112.00	436.00	Asphalt	HCRH	Asphalt	Typical			
11	Viento 1	570.00		Road Surface		570.00	715.00	Asphalt	HCRH	Asphalt	Typical			
12	Ruthton Pt 1	000.10		Road Surface		000.10	293.00	Asphalt	HCRH	Asphalt	Typical			
13	Ruthton Pt 1	621.00		Road Surface		621.00	634.00	Asphalt	HCRH	Asphalt	Typical			
14	Mitchell Pt 2	1450.00		Trail	R/S	1450.00		Trailhead	Draw / Valley	Dirt		SW	Unk	Vegetatec
15	Mitchell Pt 2	330.00		Trail	R/S	330.00		Trailhead	Draw / Valley	Dirt		S	Unk	Vegetatec
16	Starvation Creek	871.00		Trail	R/S	871.00		Trailhead	Developed Area	Dirt		S	Mt. Definace/ Starvation Ridge	Vegetatec
17	Mitchell Pt 3	1581.00		Trail	R/S	1581.00		Trailhead	Developed Area	Asphalt		S	Picnic Area, Starvation Creek Waterfall viewpoint	Stream
18	Lindsey Creek	450.00		Turnout / Parking	L/N	450.00	505.60	Lens	Rock Cut	Dirt				Steep slope
	Mitchell Pt 2	807.00		Turnout /	L/N	807.00	859.00	Lens	Shoulder	Dirt				Steep

Sheet1

Select destination and press ENTER or choose Paste

GIS

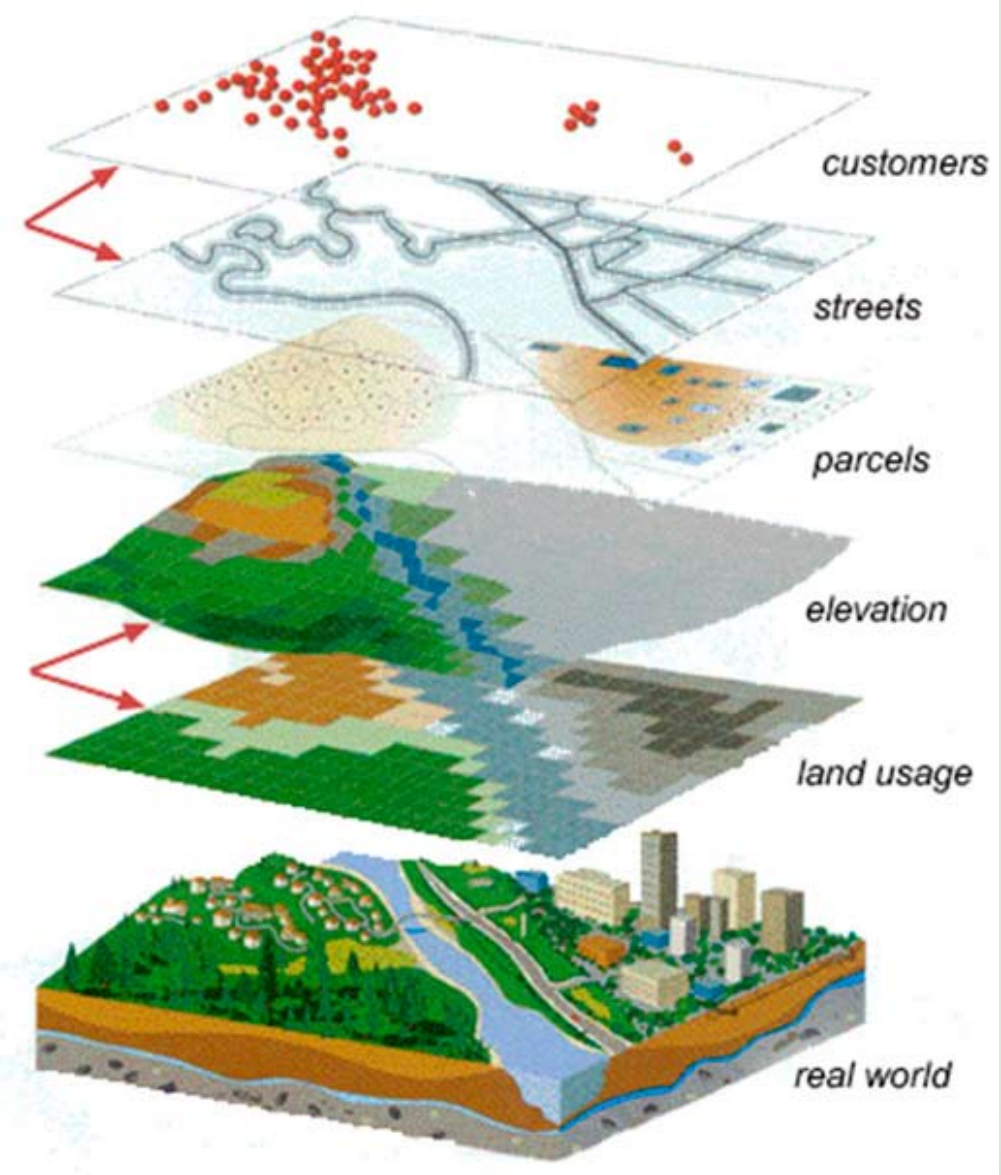
- Location
- Attributes
- Photos



Mitchell Point 2

Application

- Maintenance
- Planning
- Prioritize projects
- Historic log
- Exact locations of features
- Analysis



Next Steps:

- Complete GIS work
- CLI document
- Project planning
- Complete other sections