Collector
In a Wilderness Setting

cerg.ca
SOUTH CHILCOTIN MOUNTAIN PARK

• Conduct a full facilities assessment
• Inventory, types and levels of use for trail network (146 km), trail heads, signage and campsites (14)
• Bear hazard assessment
WILDERNESS
WHAT WAS NEEDED?

- Base mapping for the field
- A way to collect location and data in situ
- To reference survey design
- Backcountry working environment
SOLUTIONS?

- GPS/Trimble?
- Paper maps and forms?
- PDF avenza?
- Trailforks?
- Collector!
ISSUES

[Database Properties window showing domain properties and coded values]

- Domain Name: Sign Type
- Domain Name: Signage Status
- Domain Name: Trail
- Domain Name: Trail issue
- Domain Name: Trail Prescription
- Domain Name: Trailhead Name
- Domain Name: User Group Size
- Domain Name: User Interaction

Domain Properties:
- Field Type: Text
- Domain Type: Coded Values
- Split policy: Default Value
- Merge policy: Default Value

Coded Values:
- Code: Adequate
- Description: Adequate
- Code: Inadequate
- Description: Inadequate
- Code: Needed
- Description: Needed
- Code: Other
- Description: Other
MAP IN DESKTOP
ANALYZE & PUBLISH MAP TO ARCGIS ONLINE
## SHARE MAP DATA

### Groups

<table>
<thead>
<tr>
<th>Add Item</th>
<th>Create</th>
<th>Share</th>
<th>Delete</th>
<th>Move</th>
<th>Change Owner</th>
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</thead>
<tbody>
<tr>
<td>Title</td>
<td>Type</td>
<td>Modified</td>
<td>Shared</td>
<td></td>
<td></td>
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<tr>
<td>Chilcotin Data</td>
<td>Service Definition</td>
<td>Jun 13, 2017</td>
<td>Not Shared</td>
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<tr>
<td>Chilcotin Data</td>
<td>Feature Layer (hosted)</td>
<td>Jun 13, 2017</td>
<td>Organization</td>
<td></td>
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<tr>
<td>South Chilcotin Mountain Park</td>
<td>Web Map</td>
<td>Jun 13, 2017</td>
<td>Organization</td>
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<td>Trail_Cam_Data</td>
<td>Service Definition</td>
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<td>Trail_Cam_Data</td>
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</tr>
</tbody>
</table>
COLLECTOR SET UP

- ArcGIS on
- Base map – Esri
- Trail locations
- Survey design
- Input data files
INSTALL

• Download to two phones*
• One per team
• Training
DOWNLOAD MAP ON DEVICE
COLLECT DATA
SYNC TO ONLINE
CAMERA TRAPS
CAMERA TRAPS
CAMERA LOCATIONS
CAMPSITE

- Campsite location and condition
- Bear assessment study
FACILITY MAPPING
TRAIL ASSESSMENT

• Collector was used as a basemap to locate survey design.
• Each camera trap location placed
• Trail condition
• Issues
TRAIL MAPPING
ARCGIS ONLINE BENEFITS

Works online and offline
• Client meetings
• Onsite consultation
• Onsite inspection monitor
RESULT

• Technology and data transfer to BC Parks
• Now BC Parks Rangers are using Collector
OUR EXPERIENCE

• Ease of use
• Easily customizable
• Widespread application for varying uses
THANK YOU!

Cascade Environmental Resource Group Ltd. has been providing environmental consulting services for the past 15 years offering a wide range of solutions.

Our Vision

Our vision is to lead the Sea to Sky Corridor and beyond in client care, responsive service, and support for successful resource planning and development projects.

Our Values:

- Protect the environment
- Protect the client
- Sound science
- Sound guidance

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