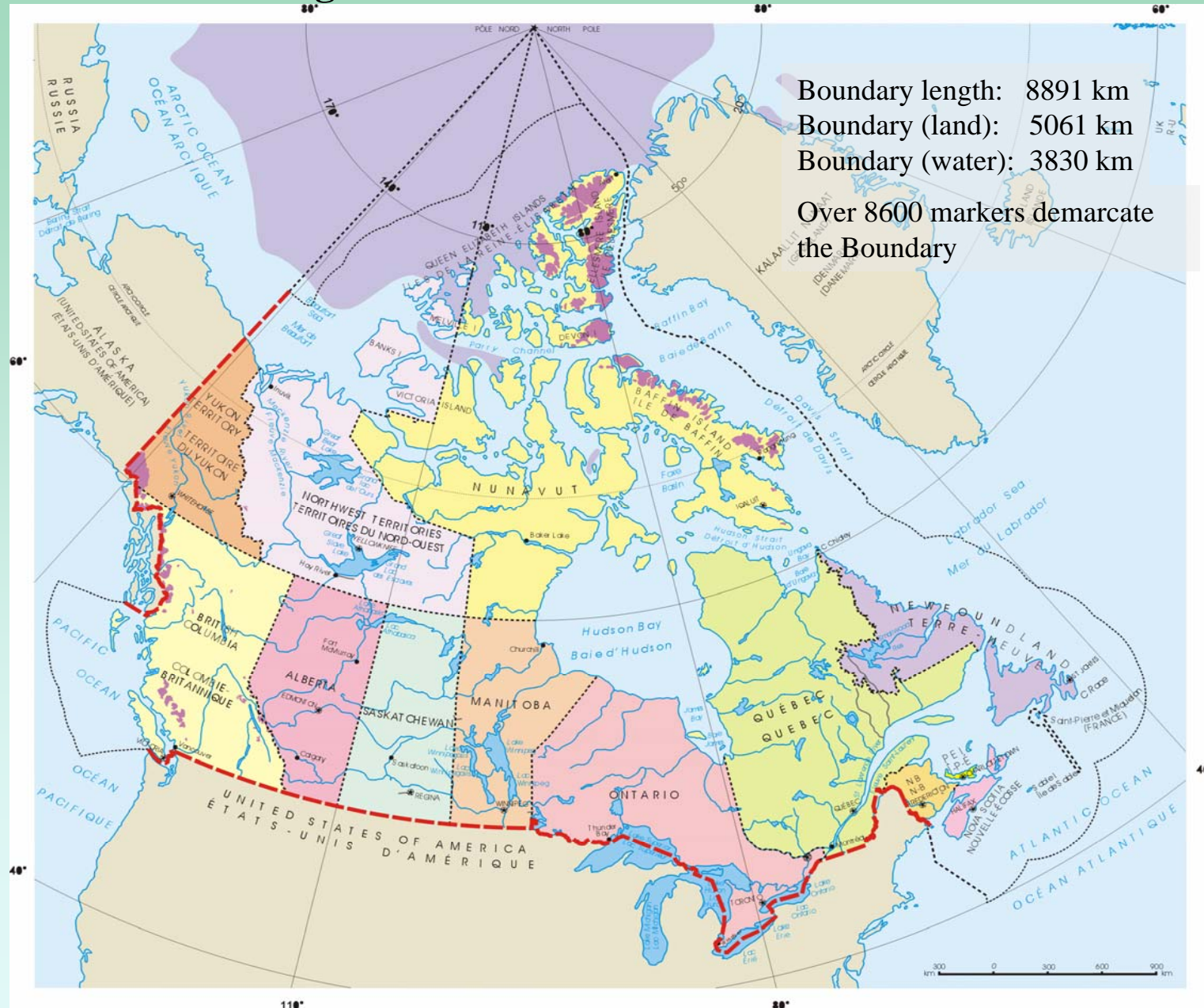




Canada/United States International Boundary Commission

CANADA/USA INTERNATIONAL BOUNDARY

Longest Undefended Border in the World



ORGANIZATION OF THE INTERNATIONAL BOUNDARY COMMISSION

CANADIAN SECTION

**Commissioner /
Surveyor General**

Deputy Commissioner

Administrative
Assistant

Senior Field
Engineer

Senior Project
Engineer
(Vacant)

Field Engineer
(Ottawa)

Field Engineer
(Ottawa)

Field Engineer
(BC)

Summer Field
Casuals

Summer Field
Casuals

Summer Field
Casuals

UNITED STATES SECTION

**Commissioner / I.J.C.
Chair**

Deputy Commissioner

Administrative
Assistant

Field Officer
(Maine)

Field Officer
(Minnesota)

Field Officer
(Montana)

Summer Field
Casuals

Summer Field
Casuals

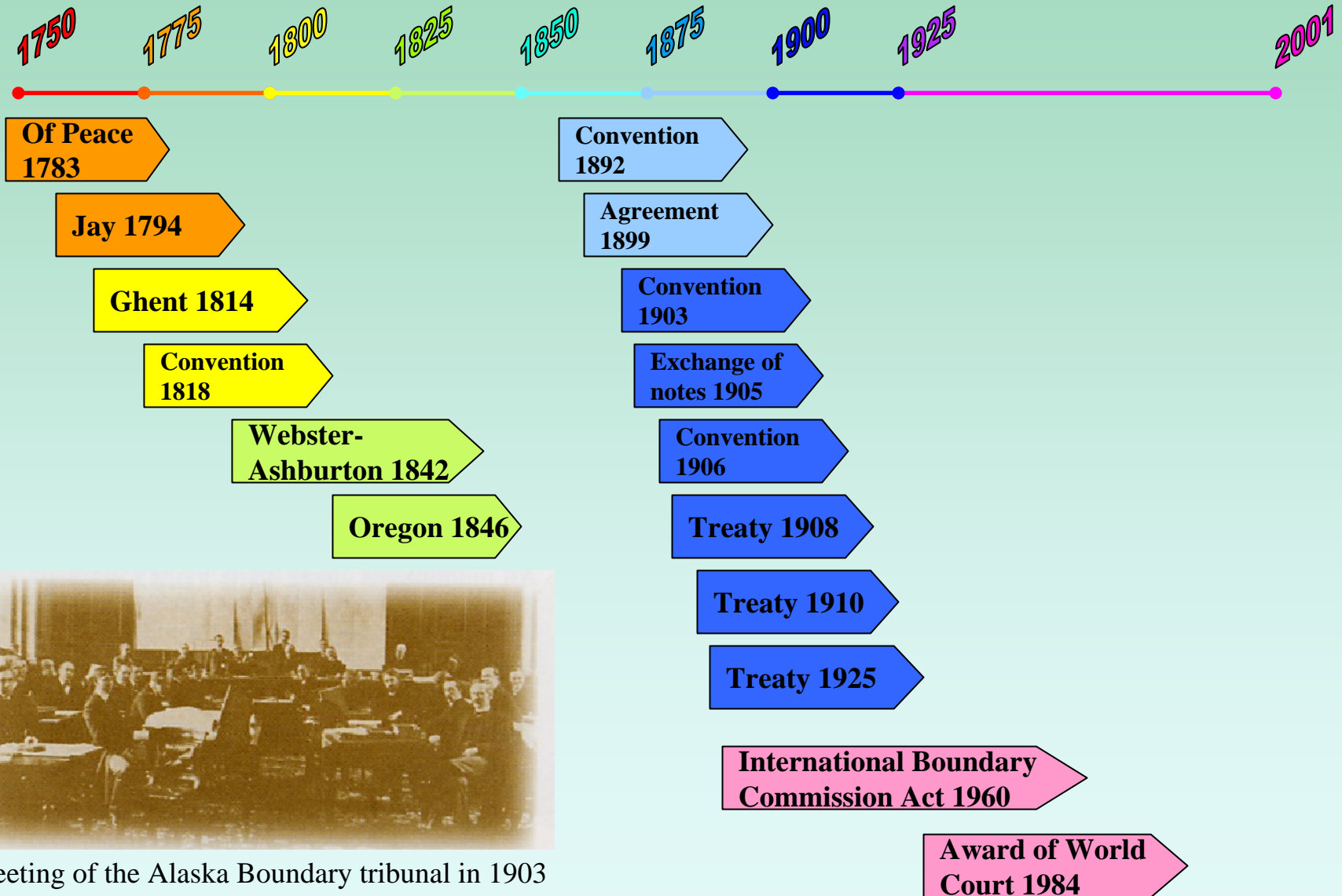
Summer Field
Casuals



PROCESS OF BOUNDARY DEFINITION

- Delimitation
- Demarcation
- Delineation

DELIMITATION OF THE CANADA/USA BOUNDARY





MANDATE

To maintain the demarcation and delineation of the land and water boundary between Canada and the United States and to regulate all construction within 10 feet of the boundary line

BOUNDARY MAINTENANCE

- Planning
- Vegetation Management
- Monumentation
- Surveys





Planning

- **15-YEAR MAINTENANCE CYCLE**
- **PUBLIC RELATIONS AND LIAISON**
- **PERSONNEL**
- **SPECIALIZED EQUIPMENT**

Vegetation Management



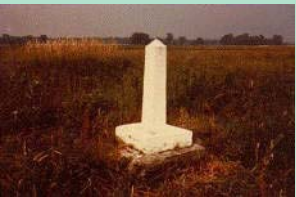
Monumentation



- Infrastructure of Canada – US Boundary
- Restoration and Maintenance



MONUMENT TYPES



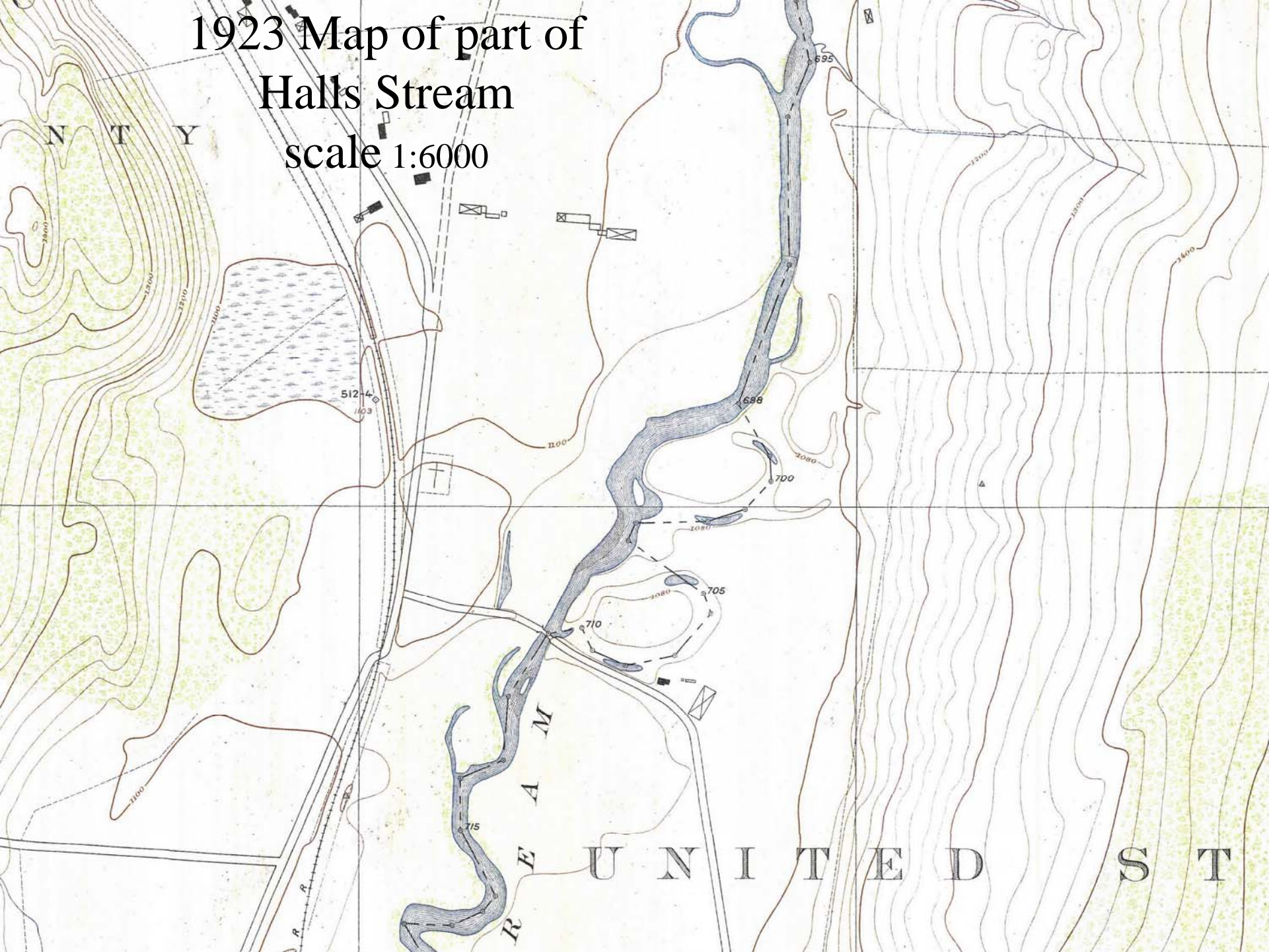
SURVEYS





Halls Stream – a Case Study

1923 Map of part of
Halls Stream
scale 1:6000





2000 Photomap of Halls Stream

CANADA

QUÉBEC

UNITED STATES

NEW HAMPSHIRE

Ferme Beloin Marc & H.

Thibeault Raymond & L.

16300 m

1036 甲

4402 m

2650 fm

1. 100



Halls Stream – Alternative Solutions

1. Amend the treaty of 1908
2. Physically move the present watercourse
3. Leave the present situation as is
4. Demarcate the present boundary

GEOGRAPHY

- A. Gulf of Maine
- B. Passamaquoddy Bay
- C. St-Croix River



F. Southwest and South Line

Grading and placing grass seed to
facilitate the use of mowers on
eastern boundary



H. Highlands

Highlands Survey



Mount Slide Down

“Crooked” boundary



Mount Pisgah



Vista Clearing



J. 45th Parallel

Haskell Library



K. St. Lawrence River and Great Lakes

(2700km of water boundary but only a total of 1 km of land boundary along The Ontario/USA Border)



GPS Lake Huron



Height of land portage



Typical shape for Reference Monument



Survey on the bridge



L. Lake of the Woods to Lake Superior

Portaging canoe during survey



GPS survey at
Reference Monument 1237



Camping is at times necessary in this remote area



M. 49th Parallel

cast-iron boundary monument on the prairies

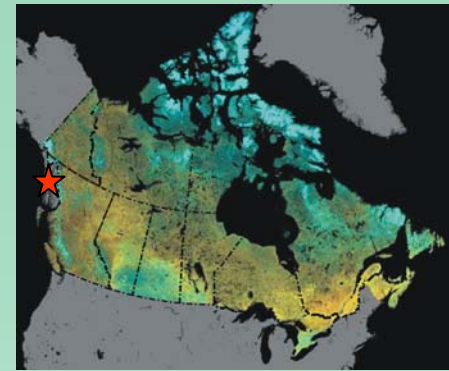


49th parallel along B.C./Idaho



P. Southeast Alaska

Vista Clearing , Alsek River



Cleared Vista, Taku River



P. Southeast Alaska

Dangers



Crossing Cascade Creek with a trolley



Footprints?



More of Southeast Alaska



Use of helicopter in remote areas



Flying in helicopter over White Pass Valley



Q. 141st Meridian

Alaska Highway crossing vista with BC on the right



Triangulation station near Beaufort Sea





Questions?