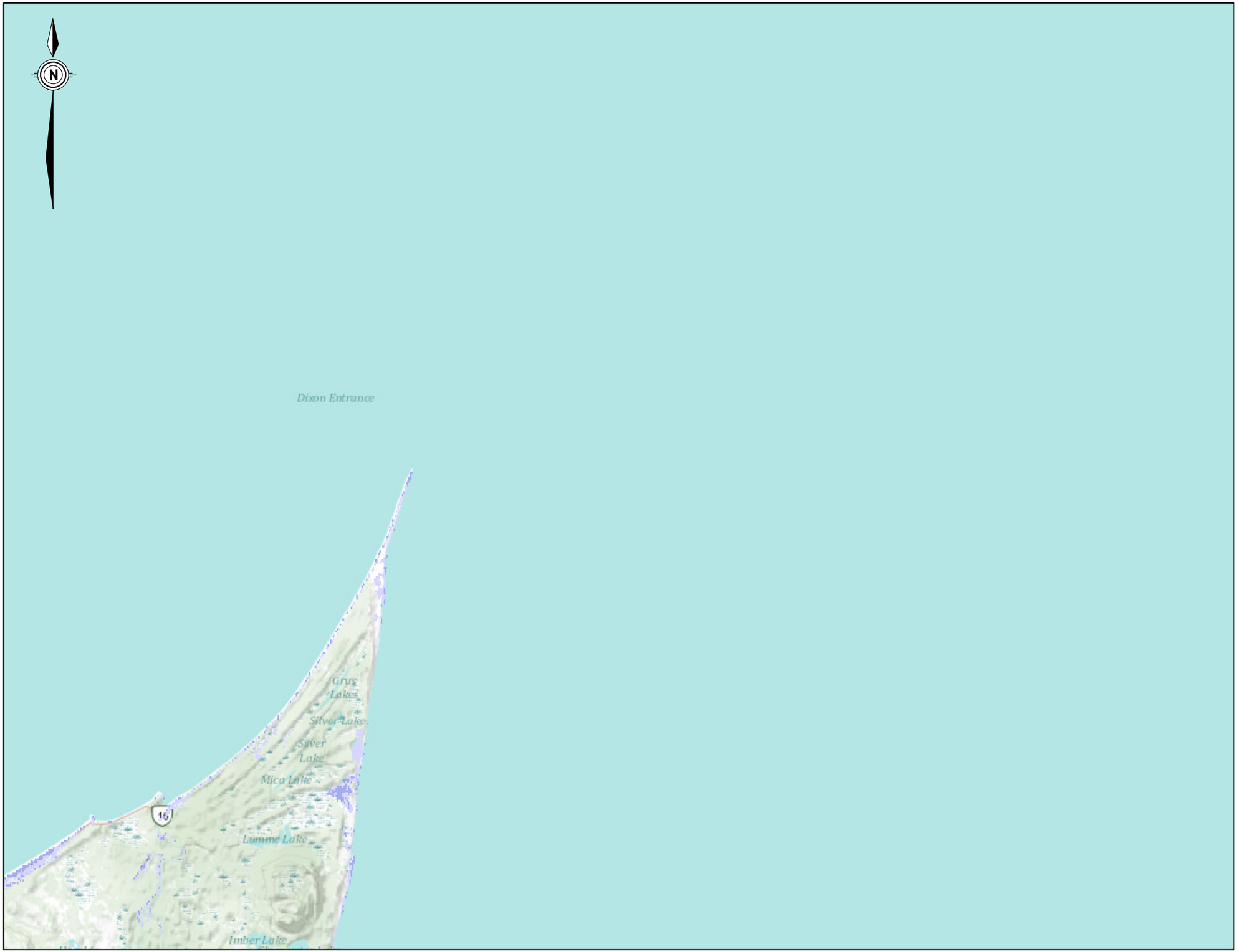

Province of British Columbia
Ministry of Forests, Lands and Natural Resource Operations

Legend

Potential Year 2100 Coastal Floodplain Areas in British Columbia

- High Flood Risk
- ----------
- ---------
- ------
- ----
- -
- Low Flood Risk

Notes:

The map displays potential year 2100 coastal floodplain areas based on approximate flood construction levels (FCLs), incorporating sea level rise. Note that floodplain areas have not been ground proofed, verified or studied to confirm their exact location. **The intent of the map is to only highlight areas that may benefit from development of coastal floodplain maps.**

FCLs were developed through a high-level analysis, considering coastal region and type (open, sheltered, semi-enclosed or semi-protected). A nominal allowance has been made for wave effect; the actual wave effect may differ greatly from the allowance depending on the location. In addition, the presence (or absence) of dikes or other flood protection works has not been factored into the analysis. Floodplain areas shown do not include the effects of flooding from rivers or the combination of river flooding and sea level rise.

Additional comprehensive site investigations, data collection and coastal engineering analysis is required to establish the actual year 2100 FCL at any given location. Users should refer to the report "Coastal Floodplain Mapping Guidelines and Specifications" prepared by Kerr Wood Leidal Associates for the Ministry of Forests, Lands and Natural Resource Operations in 2011 for more guidance on development of coastal floodplain maps.

Reference: Background provided by ESRI Topographic web mapping service.

KERR WOOD LEIDAL
consulting engineers

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5 0 5
Kilometers
1:250,000

Project No.	Date
2785-002	April 2012

Potential Impact Areas Of Sea Level Rise By The Year 2100 In British Columbia

Figure F3

Path: Q:\2700-2799\2785-002\430-GIS\MXD-Rpt\Flood Maps for Coastal BC\2785002_FloodplainMapbook250k.mxd Date Saved: 4/11/2012 2:41:49 PM
Author: rtaylor