

Construction Update

Coastal GasLink

August 26, 2022

Numbers as available at the end of July unless otherwise noted

Monthly highlights

Coastal GasLink nearly 70% complete

With our workforce at peak numbers, July marked an exciting month as the Wilde Lake Compressor Station surpassed 90 per cent overall completion, and Coastal GasLink is nearing 70 per cent overall construction completion. Hydrotesting was a focus for crews at Wilde Lake, and Sections 1 and 2. Significant progress has been made this month to advance construction on Cable Crane Hill in the Coast Mountains and access to the Headwall in the Rocky Mountains. Both are special sections on the route with incredibly steep slopes.

Take a look at our Photo of the month on page 10 to learn more about our CMCL Program

Groundbirch Connector achieves 100% pipe installation

The 3.2 km Groundbirch Connector Pipeline is a small, but future-focused line that allows for additional gas delivery to the Wilde Lake Compressor Station, the “beating heart” of the Coastal GasLink Pipeline network. Recently, the Groundbirch Connector achieved 100% pipe installation with crews completing the final weld at the end of July. This pipeline includes a launcher and receiver assembly at either end, enabling future in-line inspections to be completed to ensure safety and reliability throughout the long-term lifecycle of the pipeline. Currently, final clean-up and reclamation activities remain ongoing to ensure the pipeline footprint is properly restored.

Performance at a glance:



69.0%
overall progress*



62.8%
construction progress



5,706
workers across the project route as of July 31, 2022

*includes all engineering, procurement and construction activities

Under Construction

- ◆ Coastal GasLink Metering Facility
- ▲ Coastal GasLink Compression & Metering Facility
- LNG Canada Facility (3rd party)
- ✓ Completed pipe installation



1 Section 1: Monthly Construction Update

At a glance:

 **Completed**
pipeline installation

While pipe installation is complete on Section 1, work is ongoing to complete testing and advance final clean-up and reclamation efforts. Construction on the Wilde Lake Compressor Station is ongoing.



211
workers at
Sunset Prairie Lodge






Section 1

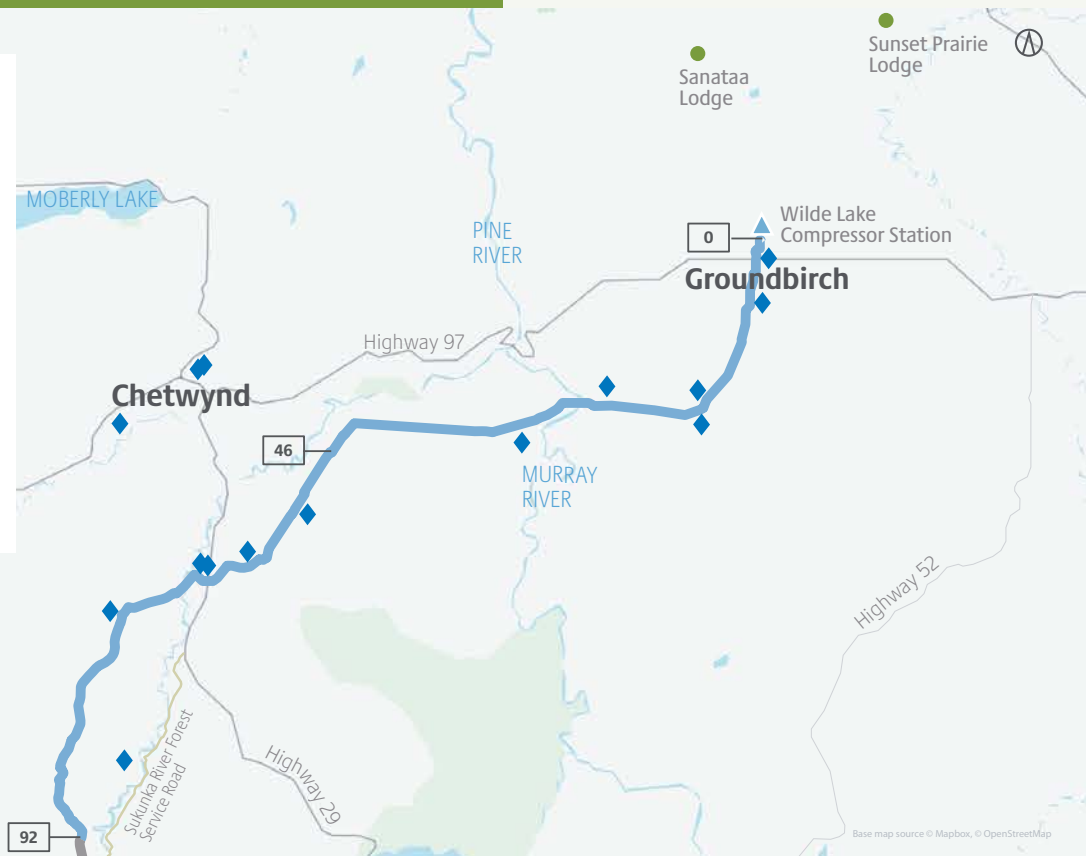
Location: West of Dawson Creek to south of Chetwynd

Length: 92 kilometres

Prime Contractor: Surerus Murphy Joint Venture

Workforce Accommodations: One Workforce Accommodation – Sanataa Lodge, and one short-term Workforce Accommodation at Sunset Prairie Lodge

-  Project Route (Section 1)
-  Workforce Accommodation Site
-  Storage Area (Where construction equipment and materials are stored)
-  Kilometre Post Markings (KP)
-  Wilde Lake Compressor Station



Key activities

- Continued Erosion and Sediment Control (ESC) mitigation and maintenance
- Progressed machine and final clean-up activities
- Completed hydrotest of test sections 7, 8, 9, 15 & 16 (KP 62-71 and KP 88-91.7)
- Continued installation of Mainline Block Valve 2

Look ahead*

- Continue ESC mitigation and maintenance
- Complete hydrotesting in test sections 10, 11, 12, 13 & 14
- Complete installation of Mainline Block Valve 2
- Continue clean-up activities

**All schedules are subject to change*

Wilde Lake Compressor Station

Key activities

- Overall construction surpassed 91%; site welding surpassed 99%
- Completed hydrotesting of Joint Venture Partner lines and all large bore piping at site
- Continue drying all large bore segments
- Groundbirch Connector and Section 1 tie-ins have been completed, dried and awaiting tie-ins completion
- Completed lube oil flush

Look ahead*

- Dry and reinstate all large bore segments which have been hydrotested
- Complete lube oil flushing in all units
- Progress dry commissioning for advance systems turned over from construction
- Progress electrical and instrumentation installation

**All schedules are subject to change*

2 Section 2: Monthly Construction Update

At a glance:



100%
cleared, includes
project route and
ancillary sites



100%
of grading
completed



65.8%
of pipe installed, includes
activities from stringing
through to backfilling



680
workers at
Sukunka and
Mt. Merrick Lodges

Section 2

Location: South of Chetwynd to east of McLeod Lake

Length: 48 kilometres

Prime Contractor: Surerus Murphy Joint Venture

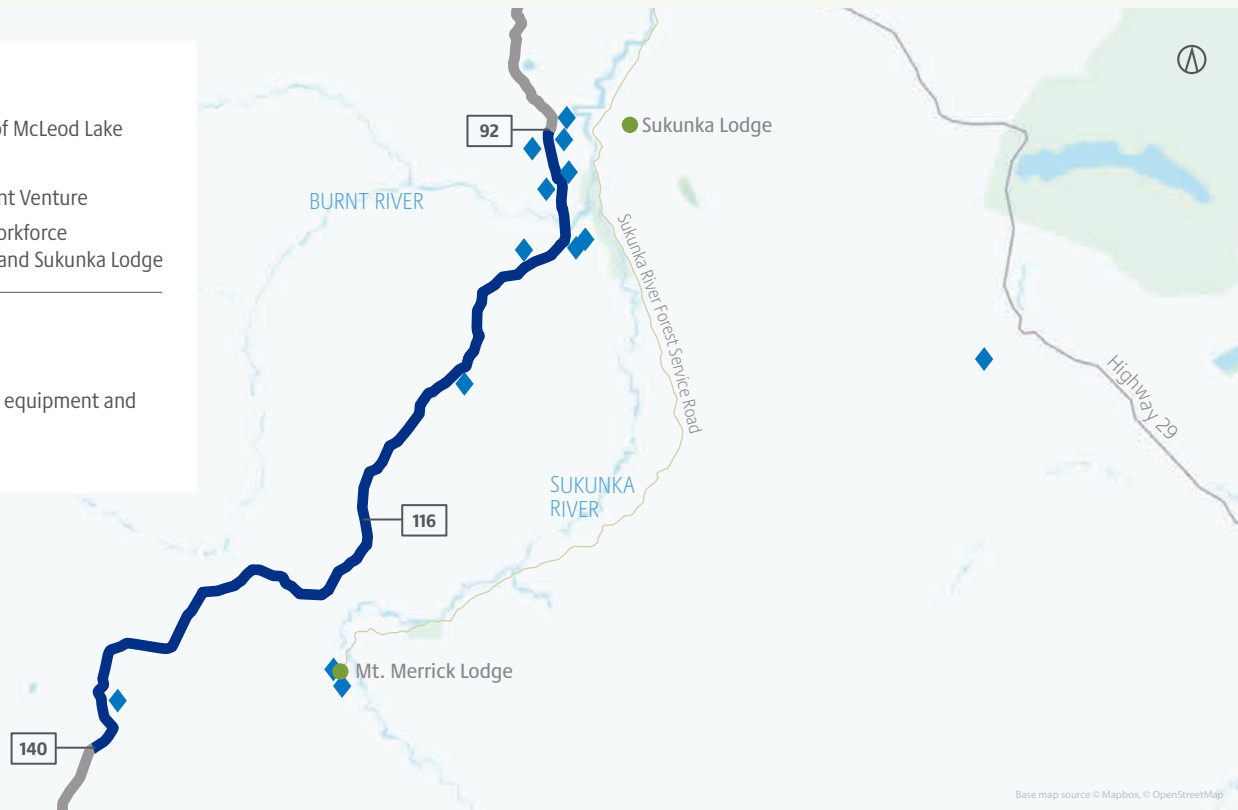
Workforce Accommodations: Two Workforce Accommodations – Mt. Merrick Lodge and Sukunka Lodge

■ Project Route (Section 2)

● Workforce Accommodation Site

◆ Storage Area (Where construction equipment and materials are stored)

□ Kilometre Post Markings (KP)



Key activities

- Continued Erosion Sediment Control (ESC) mitigation and maintenance
- Completed hydrotest of test section 16 (KP 91.7-97.5)
- Continued to develop access to Headwall Special Section
- Progressed civil and mechanical installation through Mount Merrick Special Section
- Progressed mainline pipe installation between KP 106-117 and 122-136

Look ahead*

- Continue ESC mitigation and maintenance
- Continue mainline construction activities such as access maintenance, grading, blasting and road crossings between KP 103-117 and Mount Merrick Special Section works
- Continue developing access into Headwall Special Section beyond KP 138 and begin stripping, grading and blasting works

*All schedules are subject to change

Did you know?

Hydrotesting is a testing method in which the pipe is filled with highly pressurized water, ensuring the pipe is safe for operation.

3 Section 3: Monthly Construction Update

At a glance:



100%
cleared, includes
project route and
ancillary sites



62.5%
of grading
completed



56.7%
of pipe installed, includes
activities from stringing
through to backfilling



992
workers at
Parsnip Lodge

Section 3

Location: East of McLeod Lake to north of Prince George

Length: 104 kilometres

Prime Contractor: SA Energy Group

Workforce Accommodations: One Workforce Accommodation – Parsnip Lodge

- Project Route (Section 3)
- Workforce Accommodation Site
- ◆ Storage Area (Where construction equipment and materials are stored)
- Kilometre Post Markings (KP)



Key activities

- Updated the glaciolacustrine clay area execution plan and kicked off work from KP154-157
- Continued tie-ins and machine clean up from Season 3 work
- Developed Crocker Creek Direct Pipe Installation (DPI) entry site, began developing drill string and installing casing
- Continued expansion of Parsnip Lodge
- Continued ESC mitigation and maintenance
- Completed road upgrades in Anzac area in preparation for Season 4 scope
- Develop ESC Work Execution Plans for Environmental Assessment Office (EAO) compliance
- Removed sheet piles at various sites and began new installations
- Received Hambone Lake water withdrawal permit approval for Hydrotest (KP 184-212)

Look ahead*

- Begin construction activities from KP 140-149 and KP 165-180
- Begin Crocker Creek Direct Pipe Installation
- Complete sheet pile installation at KP 213, 215 and, and slide rail shoring at KP 214
- Continue machine and final clean-up
- Continued ESC mitigation and maintenance

**All schedules are subject to change*

4 Section 4: Monthly Construction Update

At a glance:

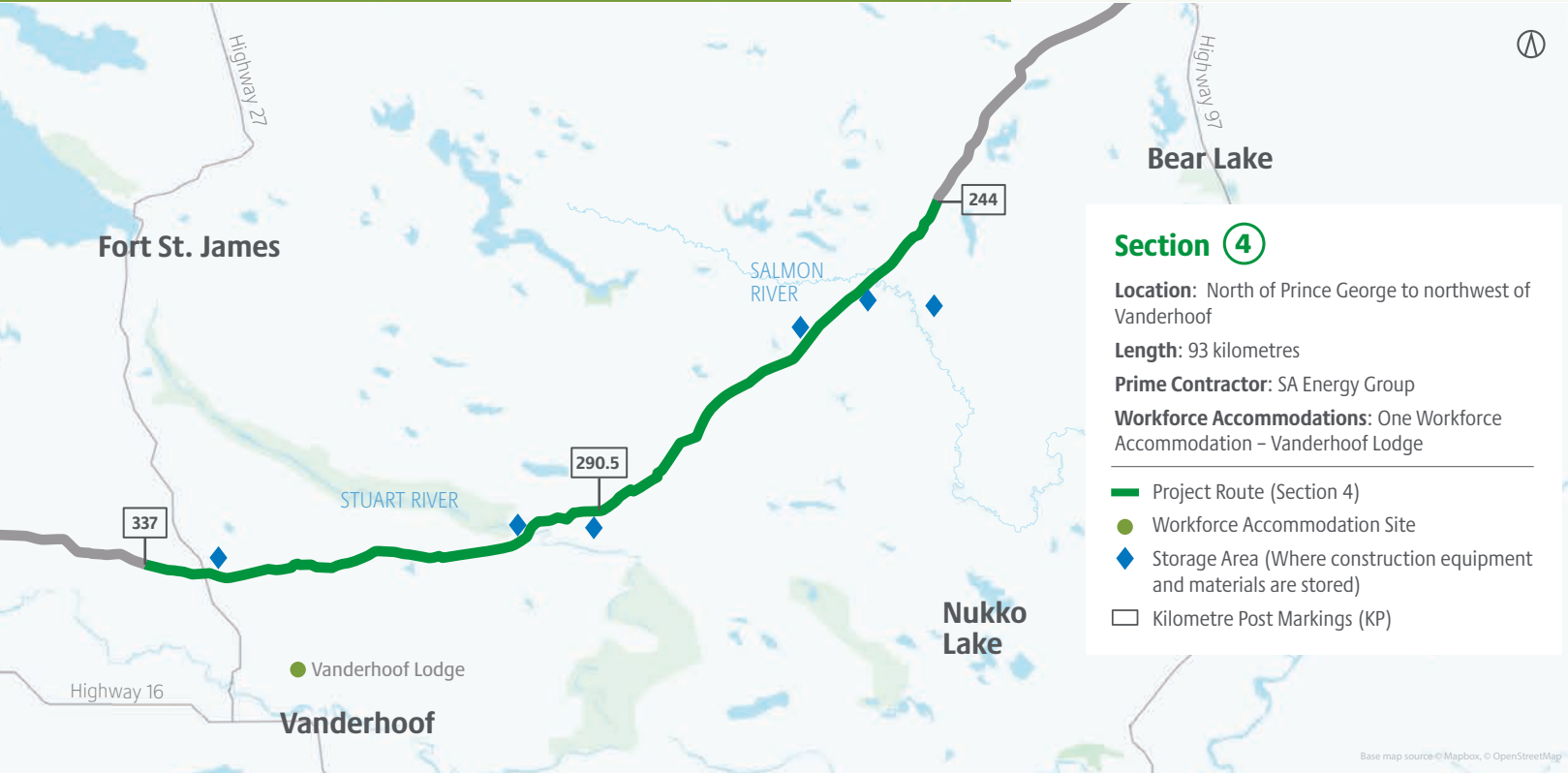


Completed pipeline installation

While pipe installation is complete on Section 4, work is ongoing to advance final clean-up and reclamation efforts.



Vanderhoof Lodge decommissioned



Key activities

- Achieved machine clean-up
- Continued ESC mitigation and maintenance
- Continued grading and backfilling at Racoon Lake Valve site
- Continued reclamation of Vanderhoof Lodge site
- Continued machine and final clean-up

Look ahead*

- Continued focus on ESC monitoring
- Continue machine clean up and final clean up
- Continue reclamation activities at Vanderhoof Lodge site
- Continue backfilling and grading activities at Racoon Lake Mainline Block Valve 7 at approx. KP 249.500

*All schedules are subject to change

Did you know?

In January 2022, Coastal GasLink sponsored the Business Council of British Columbia's Low Carbon Industrial Strategy 2.0, a research and advocacy project focused on viable solutions for sustained regional economic resiliency through low-carbon solutions.

5 Section 5: Monthly Construction Update

At a glance:



100%
cleared, includes project route and ancillary sites



94.5%
of grading completed



43.9%
of pipe installed, includes activities from stringing through to backfilling



373
workers at Little Rock Lake Lodge

Section 5

Location: North of Vanderhoof to south of Burns Lake

Length: 82 kilometres

Prime Contractor: Nadleh-Macro

Workforce Accommodations: One Workforce Accommodation - Little Rock Lake Lodge

— Project Route (Section 5)

● Workforce Accommodation Site

◆ Storage Area (Where construction equipment and materials are stored)

□ Kilometre Post Markings (KP)



Base map source © Mapbox, © OpenStreetMap

Key activities

- Continued civil works across construction corridor along with trenchless and open cut water crossings
**Note: Trenchless crossings were delayed and rescheduled due to high water conditions*
- Commenced mainline activities including welding, coating, ditching, lowering-in and backfill east of Fraser Cliff
- Completed Trout Forest Service Road trenchless crossing and re-started the Hwy 16/CN Rail trenchless crossing
- Started Stern Creek and Ormond Creek trenchless crossings
- Continued ESC monitoring and maintenance

Look ahead*

- Continue ESC monitoring and maintenance
- Complete Hwy 16/CN Rail, Stern Creek and Ormond Creek trenchless crossings
- Complete civil works and stringing across construction corridor and continue open cut water crossings and mainline bending
- Continue with mainline welding, coating, ditching, lowering and backfill east of Fraser Cliffs
- Continue grading and access activities and start trenchless boring activities at Fraser Cliffs

**All schedules are subject to change*

Did you know?

Since 2014, Coastal GasLink has invested over \$1.31 million through post-secondary partnership agreements and approximately \$1.15 million in skills training and pre-employment programs delivered by Indigenous and non-profit training organizations in northern B.C.

6 Section 6: Monthly Construction Update

At a glance:



100%
cleared, includes
project route and
ancillary sites



84.7%
of grading
completed



32.4%
of pipe installed, includes
activities from stringing
through to backfilling



469
workers at
7 Mile Lodge



Key activities

- Continued progress on grading scope
- Continued pre-ditching activities to finalize blasting activities
- Continued ramp up and progress of mainline activities including stringing, bending, coating and welding
- Completed welding, coating and quality control for 7C2 watercourse crossing pipe sections
- Preparing for additional mainline activities including ditching, lowering in and backfill

Look ahead*

- Continue to mobilize mainline crews for coating, blasting, trenching, lowering-in and backfilling
- Finalize revised prime contractor schedule
- Commence blasting activities
- Begin pre-planning for hydrotest activities
- Continue planning and execution of water crossings
- Continue to progress mainline activities
- Continue ESC monitoring and maintenance

*All schedules are subject to change

7 Section 7: Monthly Construction Update

At a glance:



96.6%
cleared, includes
project route and
ancillary sites



30.9%
of grading
completed



0%
of pipe installed, includes
activities from stringing
through to backfilling



686
workers at
Huckleberry Lodge

Section 7

Location: South of Houston to north of Morice Lake

Length: 77 kilometres

Prime Contractor: O.J. Pipelines*

Workforce Accommodations: One Workforce Accommodation – Huckleberry Lodge

- Project Route (Section 7)
- Workforce Accommodation Site
- Storage Area (Where construction equipment and materials are stored)
- Kilometre Post Markings (KP)



Key activities

- Commenced grading, stringing and bending in multiple areas
- Began welding and coating at kick-off and end of line
- Began ditching and lowering-in at kick-off
- Performed grade and ditch blasting in multiple scopes
- Continued shaft construction to nearly complete with internal work in progress
- Completed bridge installation on Beaver pond
- Began developing Work Execution Plans and submissions for Environmental Assessment Office (EAO) compliance
- Continued ESC monitoring and maintenance

Look ahead**

- Continue ESC monitoring and maintenance
- Continue mainline activities for grubbing, grading, stringing and bending
- Commence welding and coating across construction corridor
- Continue mainline ditching and lowering-in activities
- Begin backfill at kick-off and end of line; continue tie-ins at kick-off and end of line
- Continue progress at Morice microtunnel site
- Continue developing Work Execution Plans for EAO compliance
- Approval of Work Execution Plans for critical work areas

**All schedules are subject to change

*O.J. Pipelines in partnership with Natanlii Development Corporation (Skin Tyee Nation), Yinka Dene Economic Development Limited Partnership (Wet'suwet'en First Nation) and Kyah Development Corporation (Witset First Nation)

8 Section 8: Monthly Construction Update

At a glance:



100%
cleared, includes project route and ancillary sites



88.7%
of grading completed



61.0%
of pipe installed, includes activities from stringing through to backfilling



1,779
workers at Sitka, Hunter Creek, P2 and 9A Lodges

Section 8

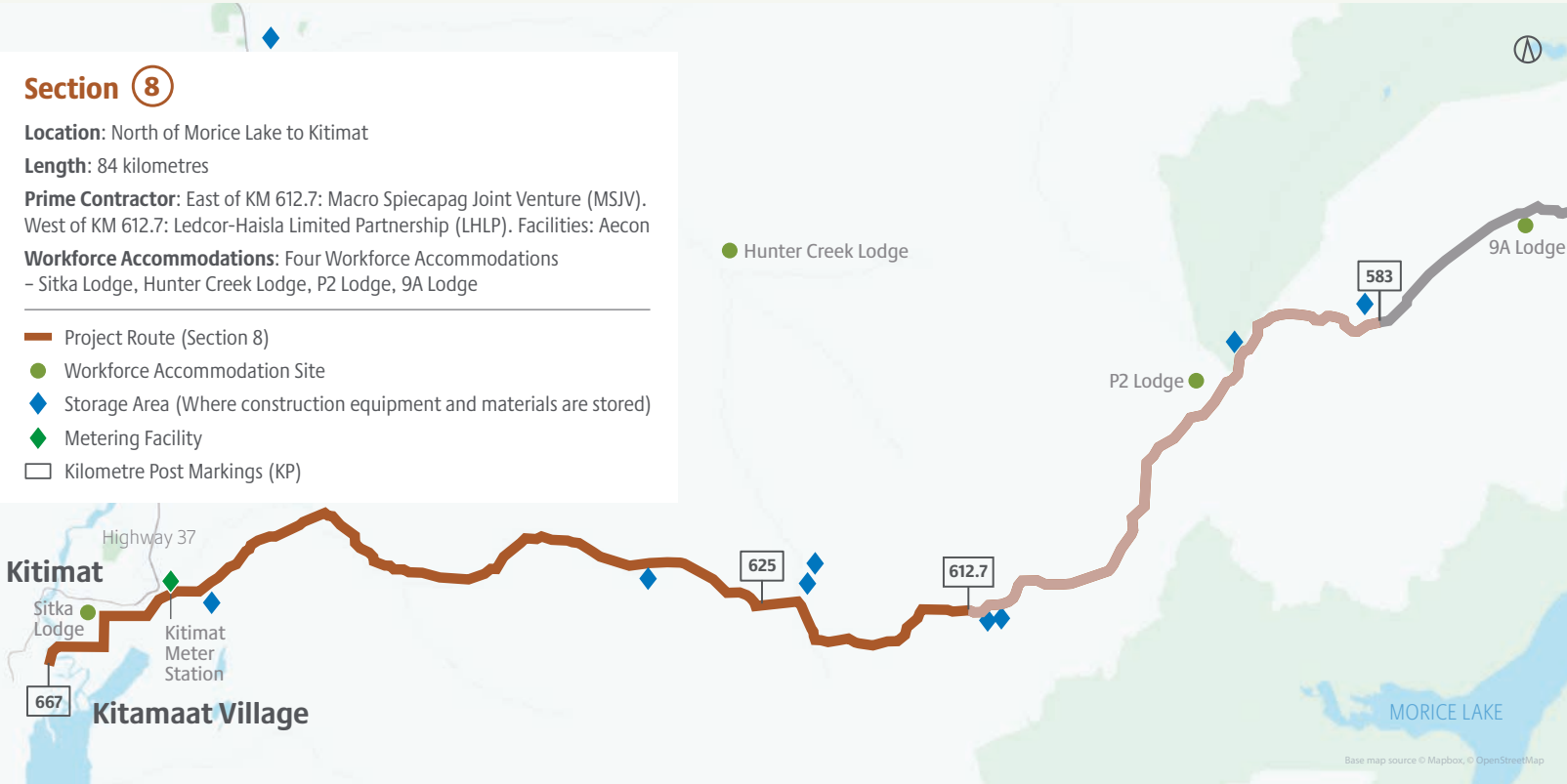
Location: North of Morice Lake to Kitimat

Length: 84 kilometres

Prime Contractor: East of KM 612.7: Macro Spiecapag Joint Venture (MSJV). West of KM 612.7: Ledcor-Haisla Limited Partnership (LHLP). Facilities: Aecon

Workforce Accommodations: Four Workforce Accommodations – Sitka Lodge, Hunter Creek Lodge, P2 Lodge, 9A Lodge

- Project Route (Section 8)
- Workforce Accommodation Site
- ◆ Storage Area (Where construction equipment and materials are stored)
- ◆ Metering Facility
- Kilometre Post Markings (KP)



Section 8 East Key activities

- Completed grubbing activities
- Continue grading, rock trenching, blasting and mainline work
- Continued watercourse crossing preparations, installations, isolations and reinstatements

Section 8 East Look ahead*

- Continue watercourse crossing installations and reinstatements
- Continue mainline construction activities, including on steep slopes
- Complete grading
- Continue ESC maintenance and monitoring

*All schedules are subject to change

Section 8 West Key activities

- Continued grading and blasting in Icy Pass and west areas
- Continued mainline and back-end pipe installation
- Completed pipe installation at watercourse crossings
- Progressed steep slope excavation, Cable Crane Hill blasting and excavation
- Started raised bore tunnel and bore installation
- Continued townsite clean-up activities
- Recommended trenchless watercourse crossing 2091

Section 8 West Look ahead*

- Complete watercourse crossing installations on multiple work fronts
- Continue Icy Pass and North Hirsch corridor grading
- Continue steep slopes #5, #6 and #10 works, progress Cable Crane Hill pipe installation
- Continue townsite pipe installation and trenchless watercourse crossing
- Continue ESC maintenance and monitoring

*All schedules are subject to change



Photo of the month

CMCL Program puts collaboration with communities into action

Indigenous collaboration, feedback and consultation is a core component of Coastal GasLink’s Extraordinary Legacy. Our Construction Monitoring and Community Liaison (CMCL) Program features 11 Coordinators and 43 Advisors who are members of all 20 First Nations along the Project route, including Kitselas **Elder Edward Innes** (pictured in the middle). Our CMCLs observe our construction progress on their traditional territories and report back to their communities. Recently, Edward visited Cable Crane Hill alongside some of our Coastal GasLink team members to see the crane in full operation. Coastal GasLink is honoured to work with community members like Edward to ensure preserving and celebrating Indigenous traditions, territories and cultural values are at the forefront of all we do.



From left to right: Assistant Construction Manager, Colby; CMCL, Edward Innes; CMCL Coordinator, Harry

About Coastal GasLink’s Construction Updates

Our construction updates include information on recent progress, activities that we expect over the next month and detailed section maps that help communicate where project infrastructure is located and where activities are happening.

Check us out!

Find information, such as Construction Updates and an interactive map, on CoastalGasLink.com.

Keep in touch and learn more

We want to make sure you have access to the information you need about the project. Here are the many ways you can reach out and learn more:



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CoastalGasLink.com



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