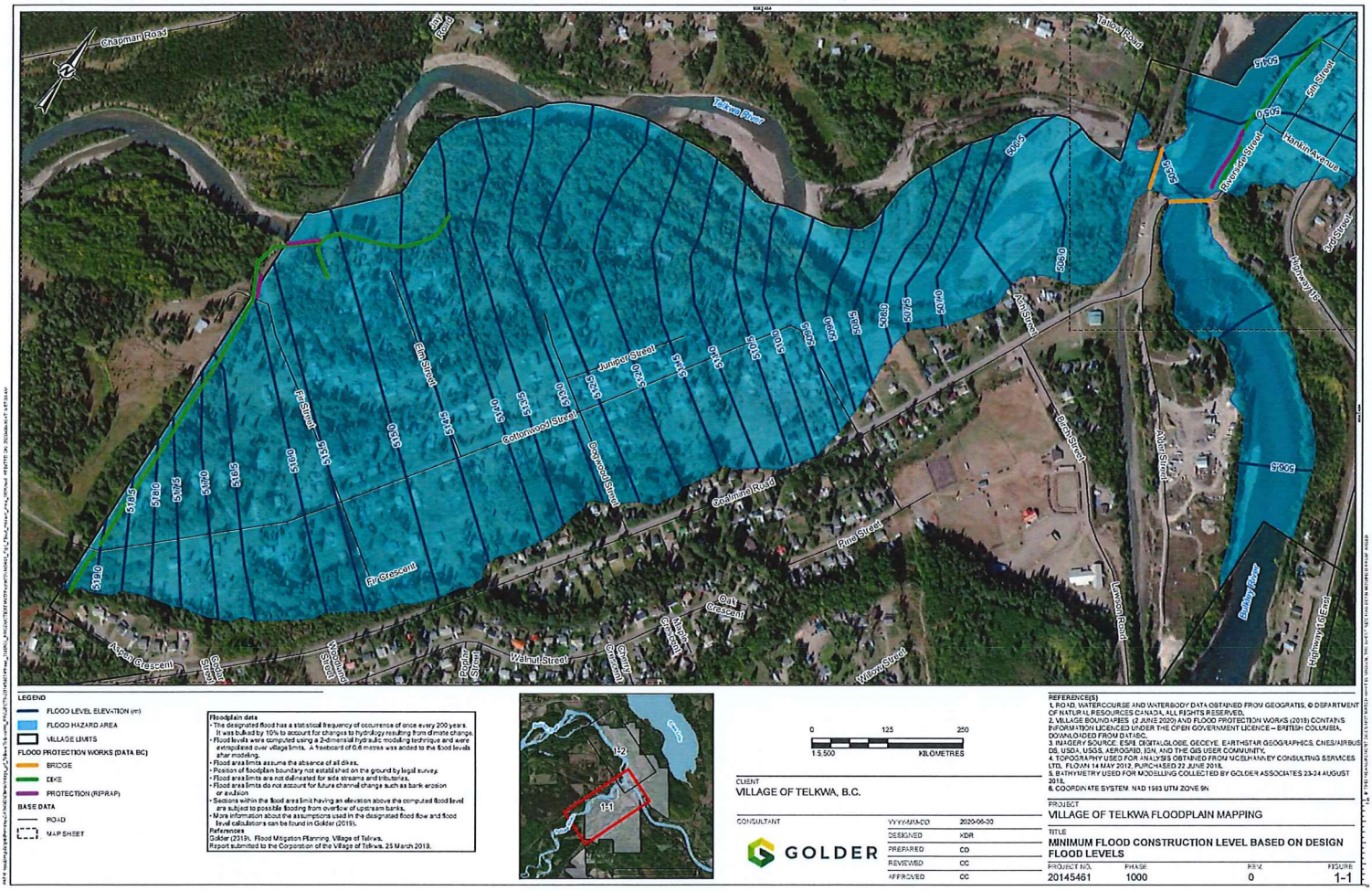
Schedule "A"



LEGEND

- FLOOD LEVEL ELEVATION (m)
- FLOOD HAZARD AREA
- VILLAGE LIMITS

FLOOD PROTECTION WORKS (DATA BC)

- BRIDGE
- DIKE
- PROTECTION (RIPRAP)

BASE DATA

- ROAD
- MAP SHEET

Floodplain data
- The designated flood has a statistical frequency of occurrence of once every 200 years. It was bulked by 10% to account for changes to hydrology resulting from climate change.
- Flood levels were computed using a 2-dimensional hydraulic modeling technique and were extrapolated over village limits. A freeboard of 0.6 metres was added to the flood levels after modeling.
- Flood area limits assume the absence of all dikes.
- Position of floodplain boundary not established on the ground by legal survey.
- Flood area limits are not delineated for side streams and tributaries.
- Flood area limits do not account for future channel change such as bank erosion or avulsion.
- Sections within the flood area limit having an elevation above the computed flood level are subject to possible flooding from overflow of upstream banks.
- More information about the assumptions used in the designated flood flow and flood level calculations can be found in Golder (2019).

References
Golder (2019). Flood Mitigation Planning. Village of Telkwa.
Report submitted to the Corporation of the Village of Telkwa. 25 March 2019.

0 125 250
1:5,500 KILOMETRES

CLIENT
VILLAGE OF TELKWA, B.C.

CONSULTANT
GOLDER

YYYY-MM-DD	2020-06-30
DESIGNED	KDR
PREPARED	CO
REVIEWED	CC
APPROVED	CC

REFERENCE(S)
1. ROAD, WATERCOURSE AND WATERBODY DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED.
2. VILLAGE BOUNDARIES (2 JUNE 2020) AND FLOOD PROTECTION WORKS (2019) CONTAINS INFORMATION LICENCED UNDER THE OPEN GOVERNMENT LICENCE – BRITISH COLUMBIA. DOWNLOADED FROM DATABC.
3. IMAGERY SOURCE: ESRI, DIGITALGLOBE, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRID, IGN, AND THE GIS USER COMMUNITY.
4. TOPOGRAPHY USED FOR ANALYSIS OBTAINED FROM MCELHANNEY CONSULTING SERVICES LTD., FLOWN 14 MAY 2012, PURCHASED 22 JUNE 2018.
5. BATHYMETRY USED FOR MODELLING COLLECTED BY GOLDER ASSOCIATES 23-24 AUGUST 2018.
6. COORDINATE SYSTEM: NAD 1983 UTM ZONE 9N

PROJECT
VILLAGE OF TELKWA FLOODPLAIN MAPPING

TITLE
MINIMUM FLOOD CONSTRUCTION LEVEL BASED ON DESIGN FLOOD LEVELS

PROJECT NO.	PHASE	REV.	FIGURE
20145461	1000	0	1-1

LEGEND

- FLOOD LEVEL ELEVATION (m)
- FLOOD HAZARD AREA
- VILLAGE LIMITS

FLOOD PROTECTION WORKS (DATA BC)

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- DIKE
- PROTECTION (RIPRAP)

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0 125 250
1:5,500 KILOMETRES

CLIENT
VILLAGE OF TELKWA, B.C.

CONSULTANT
GOLDER

YYYY/MM/DD	2020-06-30
DESIGNED	KDR
PREPARED	CD
REVIEWED	CC
APPROVED	CC

REFERENCE(S)

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4. TOPOGRAPHY USED FOR ANALYSIS OBTAINED FROM MCELHANNEY CONSULTING SERVICES LTD., FLOAH 14 MAY 2012, PURCHASED 22 JUNE 2018.
5. BATHYMETRY USED FOR MODELLING COLLECTED BY GOLDER ASSOCIATES 23-24 AUGUST 2018.
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PROJECT
VILLAGE OF TELKWA FLOODPLAIN MAPPING

TITLE
MINIMUM FLOOD CONSTRUCTION LEVEL BASED ON DESIGN FLOOD LEVELS

PROJECT NO.	PHASE	REV.	FIGURE
20145461	1000	0	1-2