

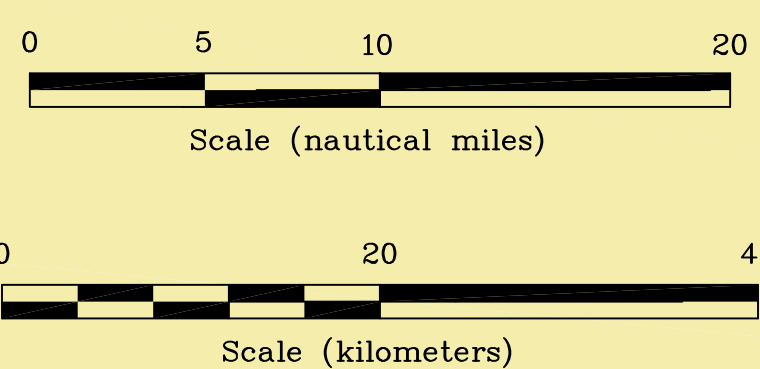
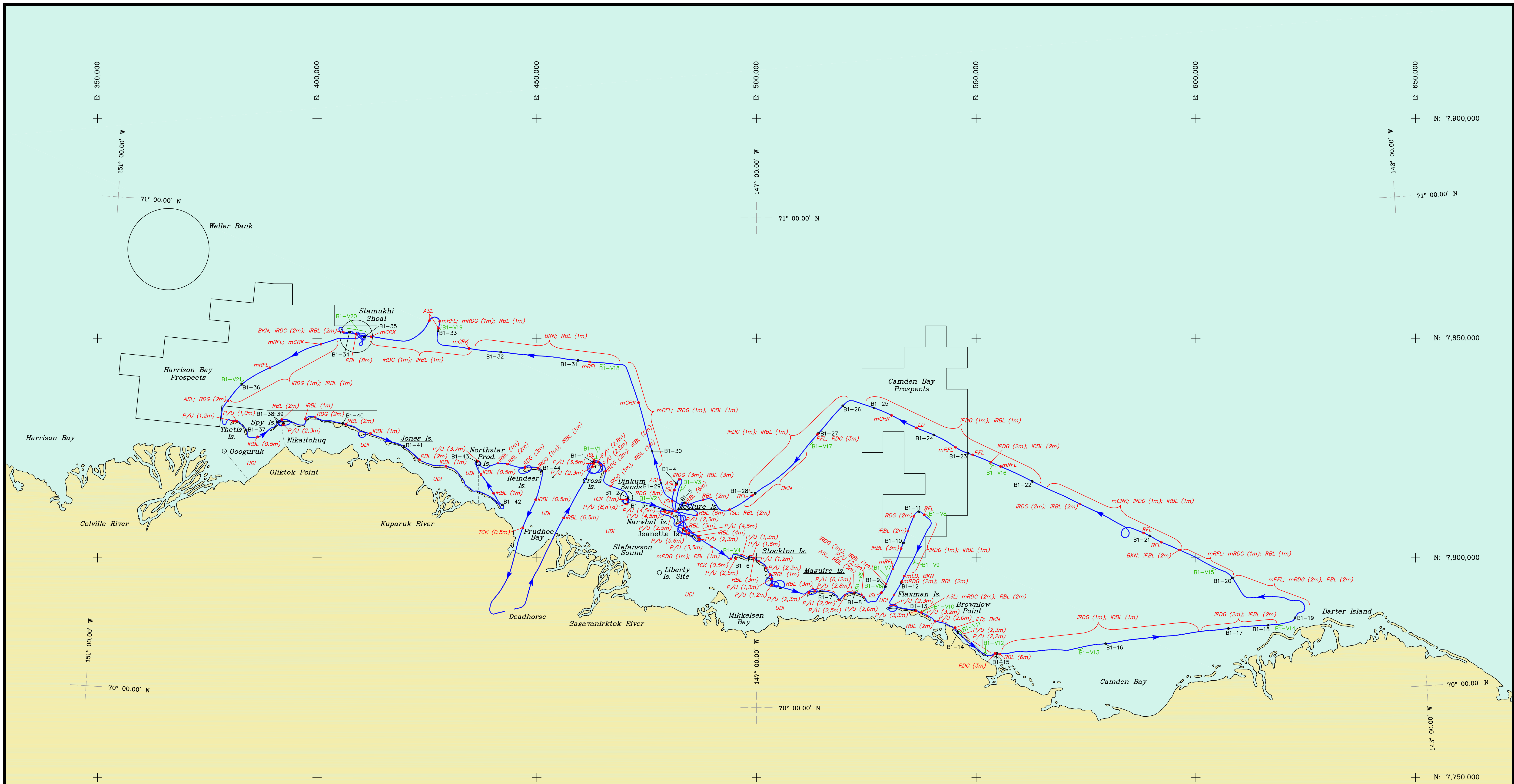
**2016-17 FREEZE-UP STUDY
OF THE
ALASKAN BEAUFORT AND CHUKCHI SEAS
APPENDIX A: DRAWINGS**

Prepared for:

U.S. Dept. of the Interior
Bureau of Safety and
Environmental Enforcement
Washington, D.C.



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FLYTH PATH LEGEND

- Flight Path B1 on February 23, 2017
- B1-19 Location of Photo B1-19 on Flight B1
- B1-V5 Location of Video B1-V5 on Flight B1
- Subsea Pipeline

ICE FEATURE LEGEND

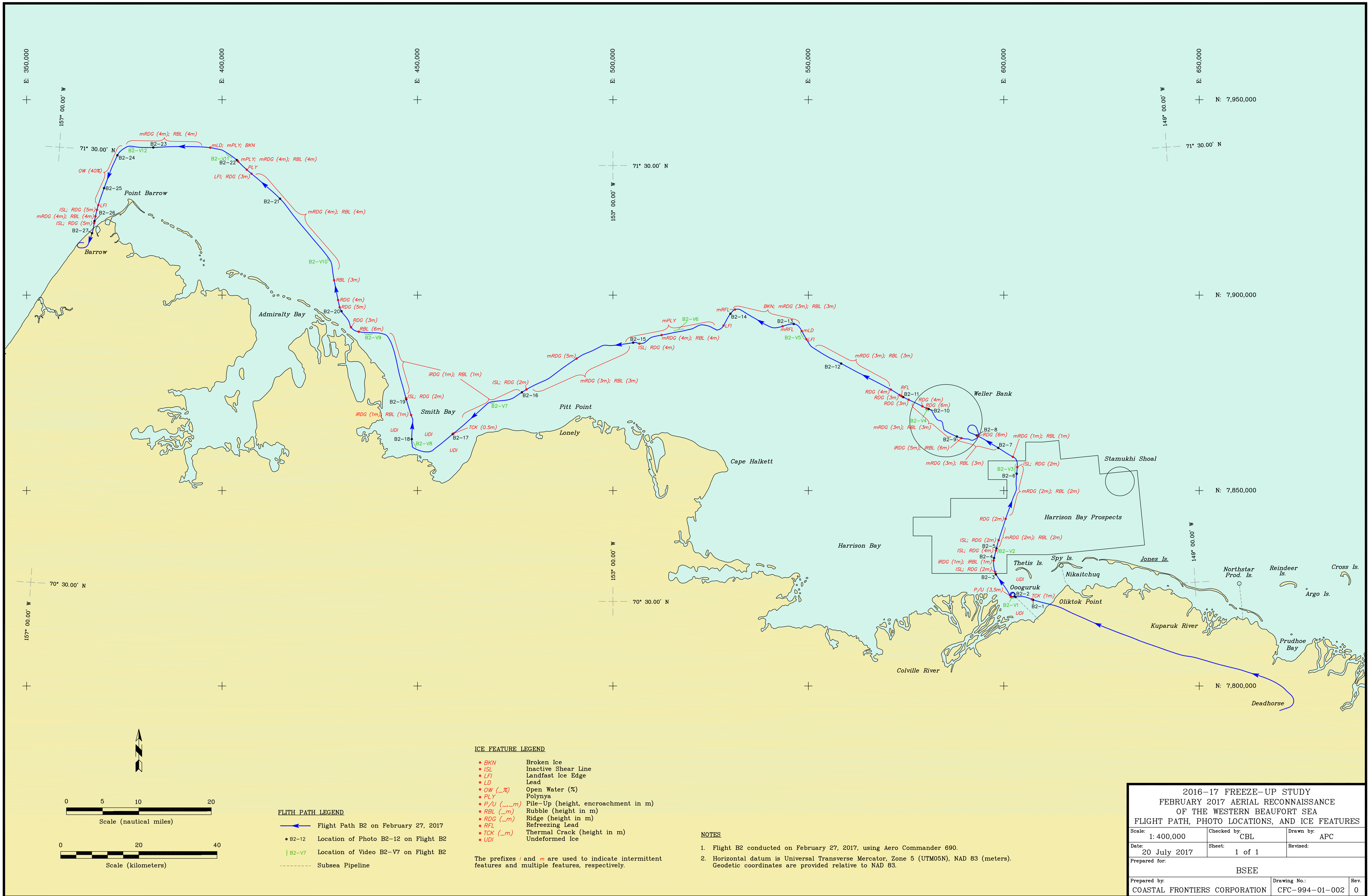
- ASL Active Shear Line
- BKN Broken Ice
- CRK Crack
- ISL Inactive Shear Line
- LD Lead
- P/U (__,m) Pile-Up (height, encroachment in m)
- RBL (__,m) Rubble (height in m)
- RDG (__,m) Ridge (height in m)
- RFL Refreezing Lead
- TCK (__,m) Thermal Crack (height in m)
- UDI Undeformed Ice

The prefixes *i* and *m* are used to indicate intermittent features and multiple features, respectively.

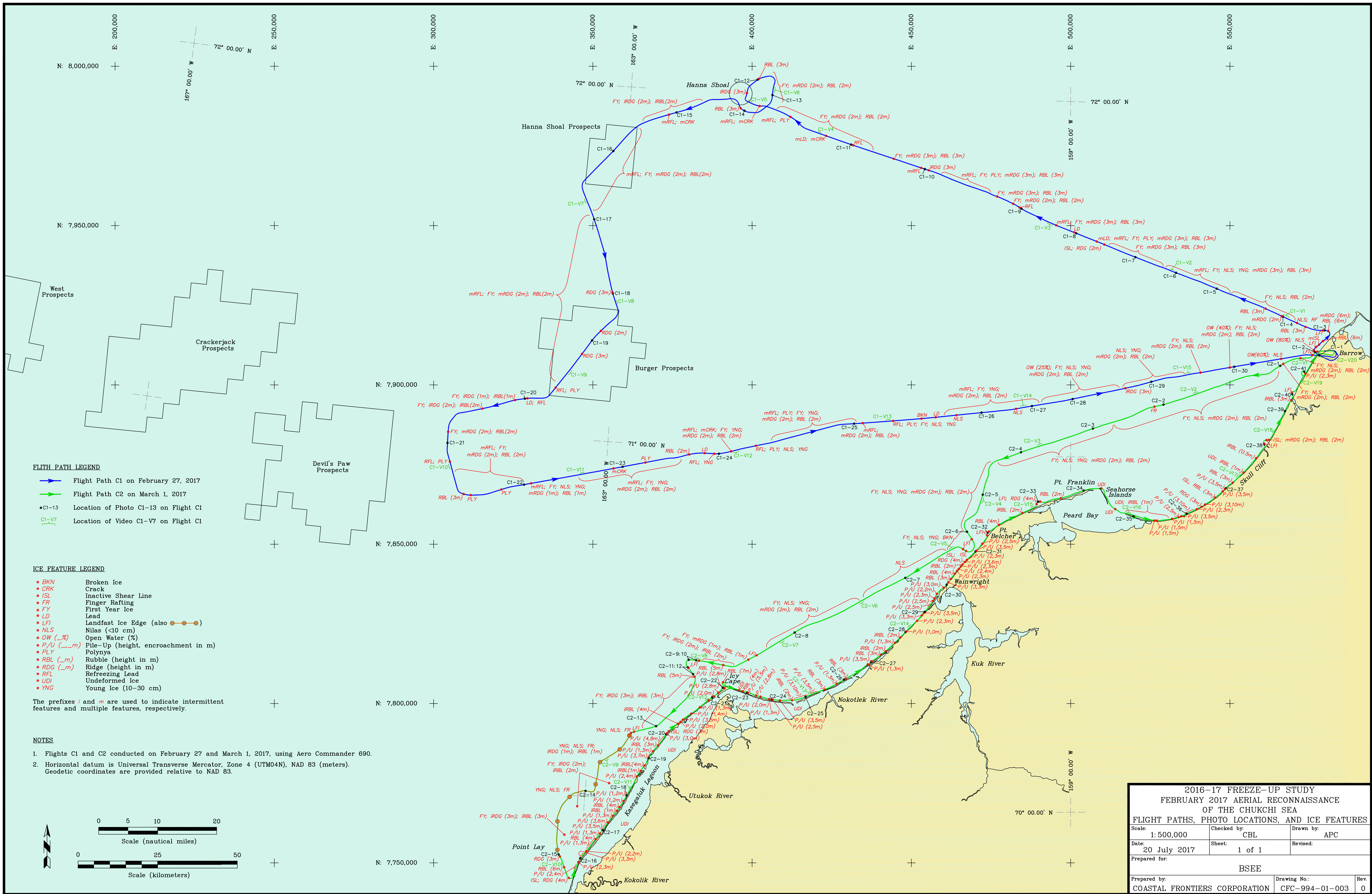
NOTES

- Flight B1 conducted on February 23, 2017, using Aero Commander 690.
- Horizontal datum is Universal Transverse Mercator, Zone 6 (UTM06N), NAD 83 (meters). Geodetic coordinates are provided relative to NAD 83.

2016-17 FREEZE-UP STUDY FEBRUARY 2017 AERIAL RECONNAISSANCE OF THE CENTRAL BEAUFORT SEA FLIGHT PATHS, PHOTO LOCATIONS, AND ICE FEATURES		
Scale:	Checked by:	Drawn by:
1:400,000	CBL	APC
Date:	Sheet:	Revised:
20 July 2017	1 of 1	
Prepared for:		
BSEE		
Prepared by:	Drawing No.:	Rev.:
COASTAL FRONTIERS CORPORATION	CFC-994-01-001	0



2016-17 FREEZE-UP STUDY FEBRUARY 2017 AERIAL RECONNAISSANCE OF THE WESTERN BEAUFORT SEA FLIGHT PATH, PHOTO LOCATIONS, AND ICE FEATURES		
Scale: 1: 400,000	Checked by: CBL	Drawn by: APC
Date: 20 July 2017	Sheet: 1 of 1	Revised:
Prepared for: BSEE		
Prepared by: COASTAL FRONTIERS CORPORATION	Drawing No.: CFC-994-01-002	Rev: 0



FLIGHT PATH LEGEND

- Flight Path C1 on February 27, 2017
- Flight Path C2 on March 1, 2017
- C1-13 Location of Photo C1-13 on Flight C1
- C1-V7 Location of Video C1-V7 on Flight C1

ICE FEATURE LEGEND

- BKN Broken Ice
- CRK Crack
- ISL Inactive Shear Line
- FR Finger Rafting
- FY First Year Ice
- LD Lead
- LFI Landfast Ice Edge (also —)
- NLS Nilas (<10 cm)
- OW (X%) Open Water (X%)
- P/U (Xm) Pile-Up (height, encroachment in m)
- PLY Polynya
- RBL (Xm) Rubble (height in m)
- RDG (Xm) Ridge (height in m)
- RFL Refreezing Lead
- UDI Undeformed Ice
- YNG Young Ice (10-30 cm)

The prefixes *i* and *m* are used to indicate intermittent features and multiple features, respectively.

NOTES

1. Flights C1 and C2 conducted on February 27 and March 1, 2017, using Aero Commander 690.
2. Horizontal datum is Universal Transverse Mercator, Zone 4 (UTM04N), NAD 83 (meters). Geodetic coordinates are provided relative to NAD 83.

2016-17 FREEZE-UP STUDY		
FEBRUARY 2017 AERIAL RECONNAISSANCE OF THE CHUKCHI SEA		
FLIGHT PATHS, PHOTO LOCATIONS, AND ICE FEATURES		
Scale: 1:500,000	Checked by: CBL	Drawn by: APC
Date: 20 July 2017	Sheet: 1 of 1	Revised:
Prepared for: BSEE		
Prepared by: COASTAL FRONTIERS CORPORATION	Drawing No.: CFC-994-01-003	Rev. 0