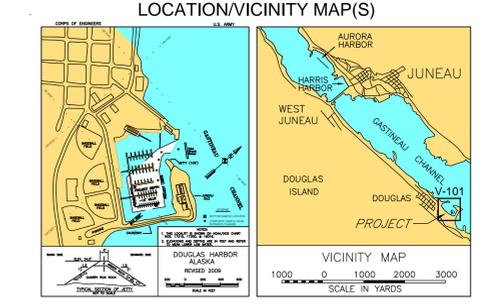
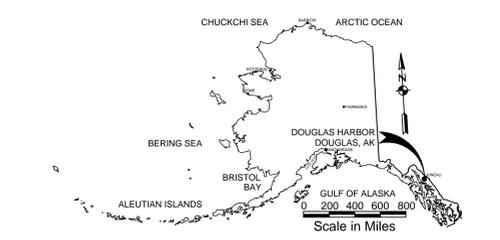


Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-86.35	-60.00	Red
2	-60.00	-40.00	Orange
3	-40.00	-20.00	Yellow
4	-20.00	-10.00	Light Green
5	-15.00	-13.00	Green
6	-13.00	-12.00	Light Blue
7	-12.00	-10.00	Blue
8	-10.00	-8.00	Dark Blue
9	-8.00	-6.00	Very Dark Blue
10	-6.00	-4.00	Black
11	-4.00	-2.00	Dark Grey
12	-2.00	0.00	Medium Grey
13	0.00	2.00	Light Grey
14	2.00	4.00	White
15	4.00	12.00	Light Blue
16	12.00	28.19	Dark Blue



SURVEY CONTROL DATA				
STATION	NORTHING	EASTING	MLLW	DESCRIPTION
DH-3	2,354,095.52	2,546,951.26	26.02	3 1/4 INCH BC IN GRANITE BOULDER
DH-C 2000	2,353,359.31	2,546,726.69	25.69	3 1/4 INCH DBC IN ASPHALT
DH-D 2000	2,353,103.36	2,547,126.72	25.40	3 1/4 INCH DBC IN ASPHALT SIDEWALK
DHAR	2,353,388.57	2,547,704.09	23.74	3 1/4 INCH BC IN GRANITE BOULDER
DL-1 1978	2,353,650.68	2,547,782.85	64.37	USACE SBC FLAGPOLE IN CONCRETE
RAMP 1975	2,353,048.30	2,547,438.98	23.02	USACE SBC W. SIDE RAMP END PVMT.

NAVIGATION AIDS			
USCG NO.	NORTHING	EASTING	DESCRIPTION
23680	2,353,939.56	2,547,136.93	DOUGLAS BOAT HARBOR LIGHT ID

PROJECT LIMITS			PROJECT LIMITS		
CORNER#	NORTHING	EASTING	CORNER#	NORTHING	EASTING
1	2,354,142.60	2,547,089.57	6	2,353,715.80	2,547,242.58
2	2,353,869.78	2,547,042.42	7	2,353,855.35	2,547,130.85
3	2,353,390.32	2,547,043.82	8	2,353,895.49	2,547,130.46
4	2,353,177.75	2,547,382.67	9	2,353,949.13	2,547,166.14
5	2,353,499.63	2,547,584.56			

VOLUME COMPUTATIONS	
PROJECT DEPTH - 12.0'	
AVAILABLE TO PROJECT DEPTH (-12.0')	12.215
AVAILABLE BETWEEN PROJECT DEPTH (-12.0') AND MAX PAY DEPTH (-13.0')	5.554
AVAILABLE ALONG SIDE SLOPES (3:1)	4.605
TOTAL MATERIAL AVAILABLE	22.373

US Army Corps of Engineers
ALASKA DISTRICT

CONTRACT NO. W15HBJA003
 CONTRACTOR: JUCHELS & ASSOCIATES
 CITY: WASILLA, ALASKA
 PROJECT: DOUGLAS HARBOR SURVEY
 DATE: MAY 6 & 8, 2013

NO.	REVISION	DATE	BY	DESCRIPTION

DESIGNED BY: [Blank]
 CHECKED BY: [Blank]
 DRAWN BY: [Blank]
 APPROVED BY: [Blank]
 SCALE: 1" = 50'

U.S. ARMY CORPS OF ENGINEERS
 ALASKA DISTRICT
 1000 P.O. BOX 1888
 JBER, ALASKA 99506-0888

JUCHELS & ASSOCIATES
 2970 COTTLE LOOP
 WASILLA, ALASKA 99654

DOUGLAS, ALASKA
 DOUGLAS HARBOR
 PROJECT CONDITION SURVEY
 MAY 6 & 8, 2013

SHEET IDENTIFICATION
 V-106
 Sheet 6 of 10