

BODENBURG BUTTE  
 TANUSKA-SUSITNA BOROUGH, ALASKA  
 SPECIAL FLOOD INSURANCE STUDY

<u>ERM #</u>	<u>ELEVATION</u>	<u>DESCRIPTION</u>
1	206.87	N.W. corner concrete abutment of west end of bridge across Matanuska River, top 2nd step. TBM 3
2	213.64	Spike in power pole, 1 ft. above ground at NE end of gravel lot at Fireside Lounge. TBM 4
3	211.32	Nail in power pole at intersection of old Glenn Highway & Clark Wolverine Rd. Nail is 4.6 ft. above ground. TBM 5
4	187.58	Mat-Su Borough BM Bl, Alum Cap Mon 0.5 ft. above ground, east of Old Palmer Hwy, south of Smith Rd.
5	182.11	Nail in power pole B-37 by sign for Alaska Kayak & Canoe, at intersection of old highway & Vera Way. 0.8 ft. above ground. TP F
6	154.52	HUB 2 ft. North of power pole B-51, across Old Palmer Hwy from intersection with Maud Rd. TP G
7	193.40	Spike (12") in power pole B 51 10, on South side, East of 7th Day Adventist School, 1/2 mile east on Maud Rd. from intersection with Old Palmer Highway on south side road, just past intersection with Smith Road. TBM S
8	138.91	Mat-Su Borough BM, B-4 Alum Cap Mon 1 ft. above ground, 30 ft. from edge of pavement of Old Palmer Highway, across from Thunderbird Ranch. TBM 6
9	132.42	Spike in power pole B-64 (has 3 transformers on it), across from gravel road 20 ft. from edge of pavement of Old Palmer Highway. TP H
10	128.97	HUB in driveway edge. TP I
11	123.97	Spike in Base of power pole B-70, 1 ft. above ground across highway from gravel drive. TBM 7
12	125.85	Mat-Su Borough BM-B-6, Alum Cap Mon, 0.4 ft. above ground next to rock face 14 ft. high, at edge of gravel pad on curve. TBM 8
13	115.32	Spike in power pole B-78, 1 ft. above ground, 25 ft. from edge of pavement of Old Palmer Highway. TP J

<u>ERM #</u>	<u>ELEVATION</u>	<u>DESCRIPTION</u>
14	112.89	Spike in power pole B-83 1 W., 1.3 ft. above ground at intersection of Old Palmer Hwy & N. end Bodenbug Loop Rd. TPK
15	109.90	Spike in 24 inch diameter cottonwood with auto wrecking sign attached, 1 ft. above ground. TBM 9
16	105.21	Spike in 24 inch diameter cottonwood, at edge of gravel drive to a trailer and small house. TP L
17	103.41	Spike in power pole B-93, 1 ft. above ground at intersection of Old Palmer Hwy & Marth Rd. TBM 10
18	93.66	Spike in power pole B-101 1W, 1 ft. above ground, at intersection of Old Glenn Hwy & Plumley Rd. TPM
19	93.61	Mat-Su Borough B.M. B-9, Alum Cap. Mon, corner of chain link fence around power transformers at intersection of Old Palmer Hwy & Plumley Rd.
20	81.74	Mat-Su Borough B.M. B-10, Alum Cap Mon, across Hwy from gravel drive, McKechnie Rd. (N. Loop)
21	72.77	Spike in power pole B-112A, 1 ft. above ground at intersection of Old Palmer Hwy & McKechnie Rd. TPN
22	68.42	Mat-Su Borough B.M. B-11, Alum Cap Mon, across Old Palmer Hwy from gravel road to Big Valley Raceway.
23	59.40	Mat-Su Borough B.M. B-12, Alum Cap Mon, 30 ft. past gravel parking area of Del Rois Bar, 150 ft. South of building.
24	51.82	Mat-Su Borough B-13, Alum Cap Mon, (on opposite side of road from others). Approx. 0.2 mile North of North end of Knik River Bridge.
25	51.24	Spike in power pole 9909, across Hwy from paved turn off before Knik River Bridge. Spike is 0.11 ft. above ground. TBM 11
26	59.98	U.S. Army Corps of Engineers Brass Cap at SE corner of Old Knik River Bridge.
27	98.70	Spike (12") in power pole B101 5E7N, in front of trailer court, spike on west side of pole. TBM K

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28	91.05	Dept. of Highways Mon, Brass Cap Mon at intersection of Plumley & Marth, center of pavement.
29	90.62	Mat-Su Borough B.M. B-15, Alum Cap Mon, just across Bodenburg Creek Bridge on south side of Plumley Rd.
30	94.80	Spike (12") in power pole, on east side road, 0.27 miles North from Plumley Road on gravel road; road is first road east of bridge over Bodenburg Creek & road goes North. TBM N
31	86.15	Spike in power pole B 101 14E, at intersection of Plumley Rd. & paved road to sanitary landfill. TBM
32	90.24	Spike (12") in power pole on east side of gravel road 0.28 miles north of Plumley Rd. on gravel road. TBM O
33	81.70	Finished floor of furthest south entrance to school, located on W side of bldg, shot on top of concrete against bldg. TBM P
34	77.14	Mat-Su Borough B.M. B-16, Alum Cap Mon at end of Plumley Rd. on North Side.
35	71.63	Spike (12") 1 ft. above ground on North side power pole B 101 27E, 0.6 mile South on gravel road starting from East end of Plumley Rd. TBM C
36	71.41	Spike (12") on East power pole, located on West side of Cul-de-Sac. 0.75 mile South & 400 ft. West on gravel rd. starting from East end pavement on Plumley Rd. TBM
37	67.88	Spike (12") on N.W. side power pole at end of gravel road, has underground cable going into it, 0.85 mile south on gravel road starting from East end of pavement on Plumley Road. TBM E
38	63.15	Spike (12") in power pole on N.W. corner in front of Circle "E" Ranch, power pole has underground cable into it, from end of pavement on Plumley Rd, 0.6 mile South on gravel road and then 0.5 mile East. TBM F
39	76.31	Power pole (B 109 4A 4) at East end McKechnie Rd. TBM G

<u>ERM #</u>	<u>ELEVATION</u>	<u>DESCRIPTION</u>
40	80.69	Spike (12") in power pole B 109 4A, East end McKechnie Rd., spike on South side pole. TBM H
41	89.18	Spike (12") in power pole, B 101 E4A, spike on East side power pole, 0.20 mile south on gravel road off Plumley Road, 250 ft. East of Old Highway. TBM Q
42	88.21	Spike (12") in East side power pole B1017E4B2, pole is on West side road, SE 20 ft. of ranch style house with painted mountain scene on garage door. TBM R
43	92.47	Spike in power pole B101 4E, 1 ft. above ground on South side of Plumley Rd. TBM A
44	68.62	Spike (12") in 3rd power pole from entrance of racetrack, 0.35 mile East on Road to race track, on South side of road. TBM J
45	87.56	Spike (12") in power pole (B101 9W), 0.40 miles West on Plumley Road, power pole is on South side of street and has underground cable into it. TBM L

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<u>HIGH WATER MARK NO.</u>	<u>ELEVATION</u>	<u>DESCRIPTION</u>
1	153.1	West of intersection of Old Palmer Highway and Maud Rd. Local resident claimed high water (Aug 71) had been within 1 ft. of top of road shoulder on West side of road.(Interview #22)
2	122.5	East side of Old Palmer Highway 2 miles North of intersection with north Bodenbug Loop Road. Local resident pointed out extent of high water (Aug 71) on ground. (just below picnic table in yard.)(Interview #15)
3	114.7	NE corner of intersection of Old Palmer Highway & Bodenbug Loop Rd., No end. Corps of Engineers photo of August 71 high water mark on 3 single family residence.(Interview #14)
4	112.4	SE corner of intersection of Old Palmer Highway & Bodenbug Loop Rd., No end. Corps of Engineers photo of Aug 71 high water mark on a commercial building. (Interview #13)
5	103.4	Just North of 90 degree corner on Marth Rd. Corps of Engineers photo of Aug 71 high water mark on a two story residential structure. (Interview
6	102.2	Just South of HWM #5. Local resident (not at this location during Aug 71 flood) pointed out the level that water had reached on his structure during the Aug 71 event. (Interview #8)
7	93.0	NE corner of Old Palmer Highway & Plumley Rd., Log house (Barnharts old house), water reached 2 inches below the top of the foundation. (#9)
8	91.6	SW corner of intersection of Marth Rd and Plumley Rd. Local resident pointed out high water mark (Aug 71) on house that was being built at the time. (Interview #7)

HIGH WATER MARK NO.ELEVATIONDESCRIPTION

9	91.5	NE corner of Plumley Rd. crossing of Bodenburg Creek. Local resident commented that flood waters (Aug 71) had completely encircled his house but that the house had remained high and dry. Some Glaciation flooding also occurs along Bodenburg Creek, but it has not been a problem. (Interview #2)
10	79.0	First bldg. back for East end of Plumley Rd. (NE corner of Sec. 25) HWM (Aug 71) pointed out by resident as edge of flower bed next to ditch along road. (Interview #1)
11	92.5	South end Bodenburg Loop Road (South side) 1800 ft. West of Old Palmer Highway. Corps of Engineers photo of Aug 71 high water mark on a single family residence.(Interview #1)
12	87.8	South end Bodenburg Loop Road, (North side) 2400 ft. West of Old Palmer Highway. Long time resident (from 1935) pointed out highest water mark that was remembered (Aug 71)(Interview #1)
13	89.3	South of Plumley Rd. on first road East on Plumley. Resident pointed out high water mark (Aug 71) one foot below finished floor of house. Claimed that this entire area was inundated by this flood. (#20)
14	87.9	South of Plumley Rd. at SE corner of 1st east on Plumley. Resident pointed out high water mark (Aug 71) on inside of garage. Also, claimed to have some problems with glaciation.(#21)
15	76.0	NE corner of McKechnie Rd. Loop. (SW side of Rd.) Local resident stated that water (Aug 71) had reached the finished floor level of his garage. (Interview # 6)

<u>HIGH WATER MARK NO.</u>	<u>ELEVATION</u>	<u>DESCRIPTION</u>
16	76.4	SE corner of McKechnie Rd. Loop. (South side of road) Resident stated that water (Aug 71) had completely flood their basement, reaching the top of basement's block walls. (Interview #5)
17	69.2	One quarter mile east of the Old Palmer Highway on the road to Big Valley Raceway. Resident stated that flood water (Aug 71) reached the floor of their trailer. (#19)
18	57.9	0.7 mile North of Knik River on Old Palmer Highway. (East side) Resident stated that water was about one ft. deep in his parking area and pointed out high water mark in an old cabin. (Interview #4)
A	No flooding	0.25 mile North of intersection of Old Palmer Hwy & Maud Rd.. On South side of gravel road. (Interview #23)
B	No flooding	East side of Old Palmer Hwy, 0.75 mile South of intersection with Maud Rd. (Interview # 17)
C	No flooding	East side of Old Palmer Hwy, 1 mile South of intersection with Maud Rd. (Interview # 16)
D	No flooding	East on Plumley to 1st corner, then South for 0.25 mile, on West side of road. (Interview # 1)