

STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
LANDS AND RESTORATION SERVICES PROGRAM
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast	Observer(s): Nettnin
River System: Sol Duc	Date: 4/7/98
Site Identifier: S-313R-31	WRIA: 20.0313 ?? (P)
River Mile Location: 5.8 mi.	RB/LB: RB
Local Name: Lame Duck Springs	Trib. to: Lake Creek (20.0313)
Legal Description: NW ¼ Sec 19 T30N R12W	County: Clallam
Habitat Type: Spring Creek	
Landowner: <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private - Possible Merrill and Ring Tree Farm (Fiber Board Inc.) - Possible Rayonier Timber Operations Company	

Directions to site:

North from Forks on highway 101 to MP 200.5, turn left onto West Lake Pleasant Road, then bear to the right just past the bridge over Lake Creek. Continue for about 2.9 miles (the county road ends at 1.0 miles and the 9000 line begins) to the 9089, the road to the right at the top of the hill. A key will be needed and can be obtained at the Rayonier Timber Operations Company Office in Forks. Follow the road to the bottom of the hill, cross the bridge and bear right from the mainline. Walk out the skid road toward Lake Creek on a bearing of about N 80 E. A spring channel should be encountered in the RMZ of Lake Creek. This is S-313R-31.

Site Overview:

This is a small spring fed channel located on the riverine terrace. This channel primarily lies within the RMZ of Lake Creek. The water source area of this channel has no RMZ buffer; it was removed during timber harvest. The channel is about 50 meters long with a sandy substrate and it appears to have year-around water. It offers excellent off channel habitat, and is used by coho, cutthroat and cottid.

Habitat Information:

Water source: Springs

Intermittent/year-around: Unknown, possibly year-around

Estimated flows (cfs): Lower end: 0.1 - 0.2 Upper end: 0.05 - 0.1

Water temperatures: Lower end: 8.5°C Upper end: 8.5°C
- Temperature on 1/27/99: Lower end - 7.5°C

Adjacent stream temperature (Lake Creek): 8.0°C

Other water observations: Clearwater

Site area measurements: Indirect Direct Combination

Widths: Channel- 0.2 - 2.0 m Pond- NA Wetlands- NA

Depths: Channel- 20 -30 cm Pond- NA Wetlands- NA

Total length estimated (includes ponds and wetlands): 50 m

Total existing habitat area (est.): 60 m²

Spawning area: 0 m²

Impounded area: 50 m²

Other rearing area: 10 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: NA

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- This channel has primarily slack water or is impounded by a natural control.
- Ninety five percent of the channel is well shaded by large conifer and alder.
- Lacks woody debris in the channel. There is some amount of wood over the channel.
- Overhanging brush provides some cover along the banks.

Describe unaccessible habitat: NA

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- No wetlands are associated with this channel.

Flooding potential: Low Medium High

- The lower reach back waters occasionally with overbank storage from Lake Creek.

Fish Information:

Site entry condition to Lake Creek: Poor Fair Good

- Enters in a small back eddy. There are woody debris or bank overhangs that provide cover.
- There is a one to two foot plunge at the existing mouth.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- 0+ and 1+ coho fry were observed using this channel.
- On 1/27/99 16 1+ coho presmolts were captured in two minnow traps.

Other species access and use: Chum Pink Sockeye Chinook Trout

- It is assumed that trout use this channel. It is open and accessible.
- On 1/27/99 four cutthroat trout fry and 10 cottid were captured in two minnow traps.

Habitat Improvements:

Enhancement opportunities:

Possible project type:

- Modification channel egress along an abandoned channel downstream from where it now egresses to Lake Creek.
- Maintain the integrity of the stream.

Equipment access: No access

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Aerials | <input checked="" type="checkbox"/> Sketch | <input checked="" type="checkbox"/> Maps | <input type="checkbox"/> Culvert Report |
| <input type="checkbox"/> Other references | <input type="checkbox"/> Spawning surveys | <input checked="" type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Sol Duc

Site No.: S-313R-31
Site Name: Lame Duck Springs
WRIA: 20.0313 ?? (P)

DATE: 1-27-99

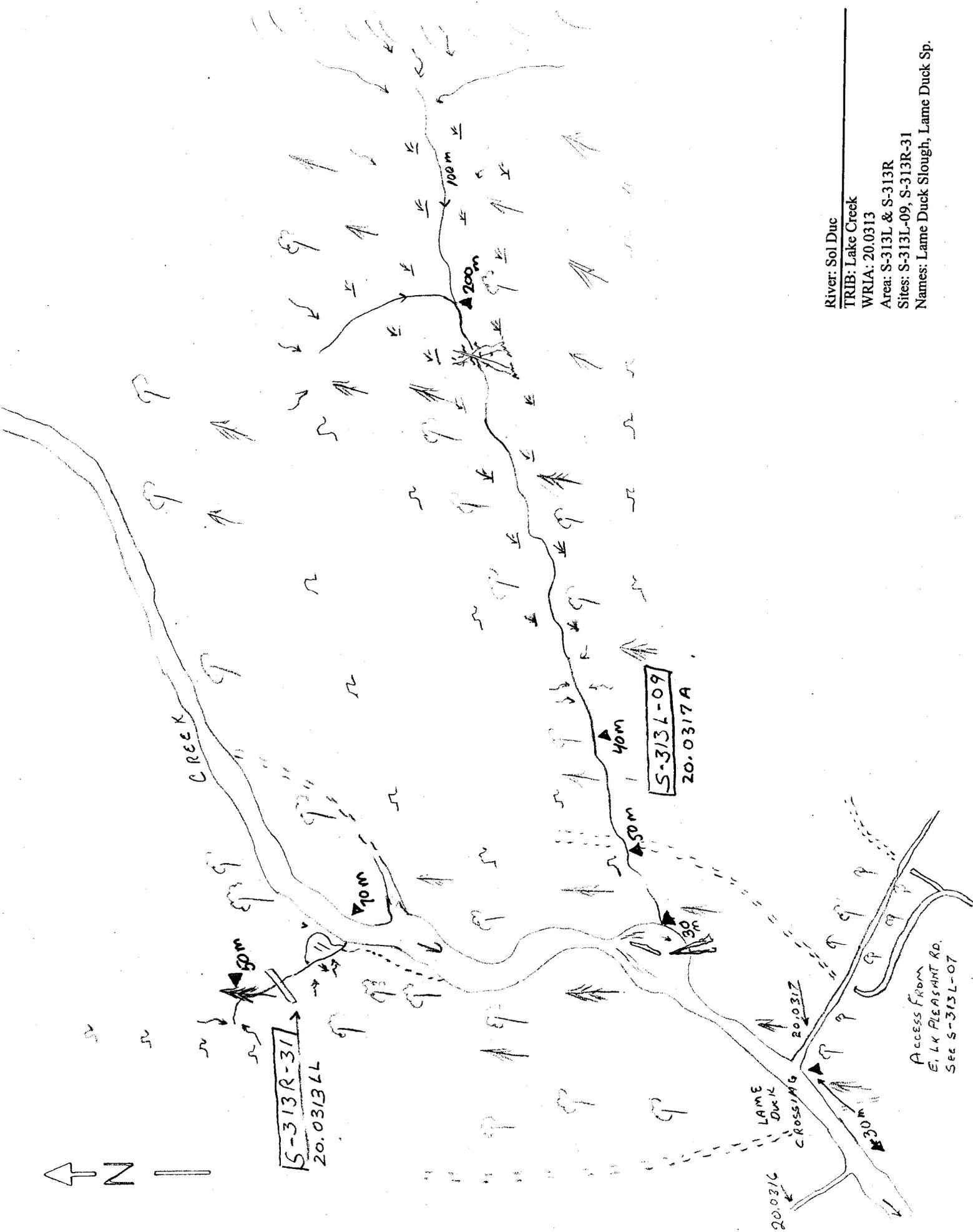
OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		TROUT		0+	
						RBT	CUTT		
1	1/26	6.5°C	1/27	7.5°C	2	0	0	0	3
2	1/26	6.5°C	1/27	7.5°C	14	0	4	0	7
TOTALS:					16	0	5	0	10

COMMENTS:

- Trap 1 was placed open pool just above the confluence.
- Trap 2 was placed about 20 meters above number one just above a large log spanning the channel.



River: Sol Duc
 TRIB: Lake Creek
 WRIA: 20.0313
 Area: S-313L & S-313R
 Sites: S-313L-09, S-313R-31
 Names: Lame Duck Slough, Lame Duck Sp.

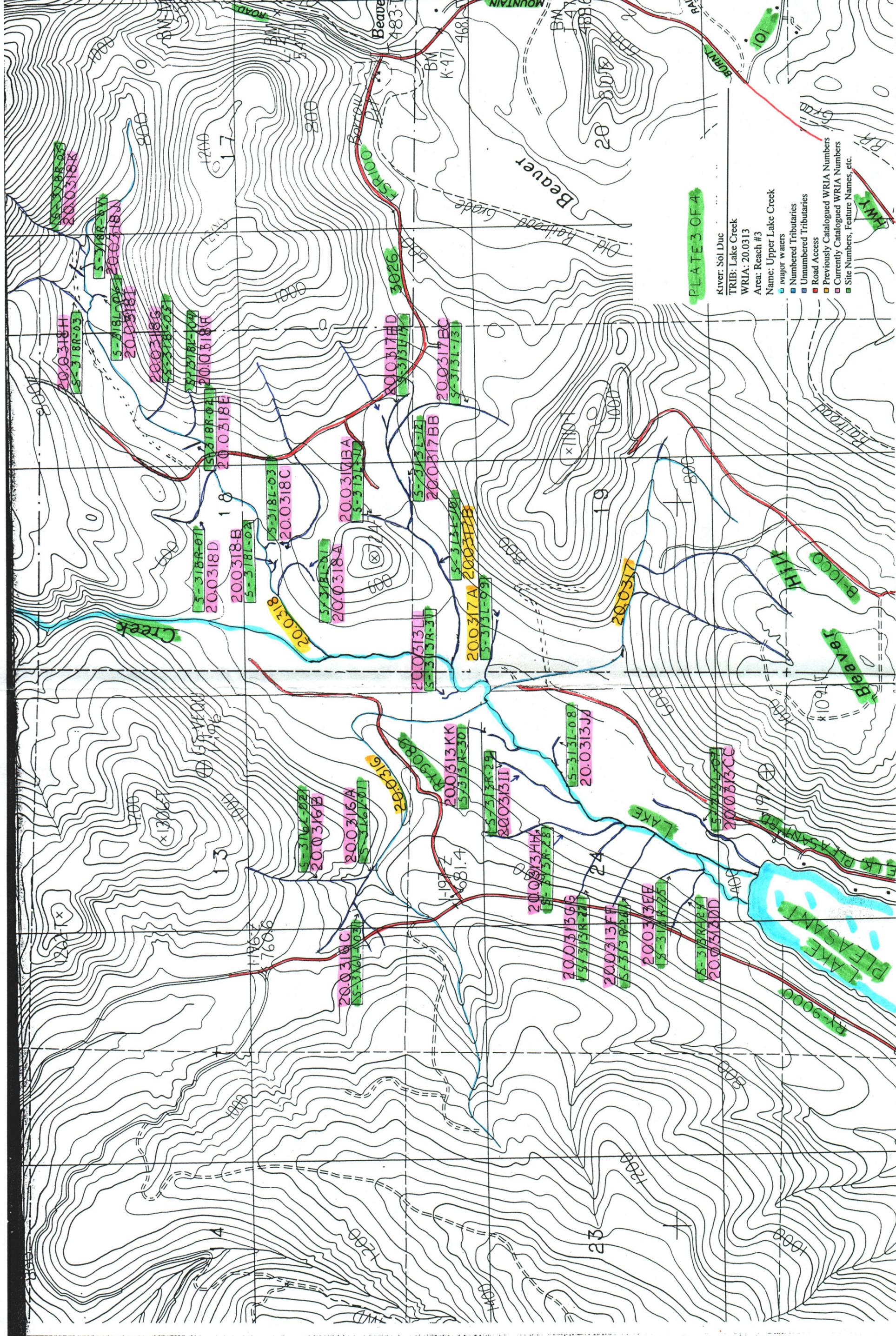


PLATE 3 OF 4

- River: Sol Duc
- TRIB: Lake Creek
- WRIA: 20.0313
- Area: Reach #3
- Name: Upper Lake Creek
- Major waters
- Numbered Tributaries
- Unnumbered Tributaries
- Road Access
- Previously Catalogued WRIA Numbers
- Currently Catalogued WRIA Numbers
- Site Numbers, Feature Names, etc.

Map labels and site identifiers include:

- Topographic contours: 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000.
- Water bodies: Lake Pleasant, Beaver Creek, Beaver River, Hillview, Pleasant Lake.
- Roads: B-1000, B-1000A, B-1000B, B-1000C, B-1000D, B-1000E, B-1000F, B-1000G, B-1000H, B-1000I, B-1000J, B-1000K, B-1000L, B-1000M, B-1000N, B-1000O, B-1000P, B-1000Q, B-1000R, B-1000S, B-1000T, B-1000U, B-1000V, B-1000W, B-1000X, B-1000Y, B-1000Z, B-1000AA, B-1000AB, B-1000AC, B-1000AD, B-1000AE, B-1000AF, B-1000AG, B-1000AH, B-1000AI, B-1000AJ, B-1000AK, B-1000AL, B-1000AM, B-1000AN, B-1000AO, B-1000AP, B-1000AQ, B-1000AR, B-1000AS, B-1000AT, B-1000AU, B-1000AV, B-1000AW, B-1000AX, B-1000AY, B-1000AZ, B-1000BA, B-1000BB, B-1000BC, B-1000BD, B-1000BE, B-1000BF, B-1000BG, B-1000BH, B-1000BI, B-1000BJ, B-1000BK, B-1000BL, B-1000BM, B-1000BN, B-1000BO, B-1000BP, B-1000BQ, B-1000BR, B-1000BS, B-1000BT, B-1000BU, B-1000BV, B-1000BW, B-1000BX, B-1000BY, B-1000BZ, B-1000CA, B-1000CB, B-1000CC, B-1000CD, B-1000CE, B-1000CF, B-1000CG, B-1000CH, B-1000CI, B-1000CJ, B-1000CK, B-1000CL, B-1000CM, B-1000CN, B-1000CO, B-1000CP, B-1000CQ, B-1000CR, B-1000CS, B-1000CT, B-1000CU, B-1000CV, B-1000CW, B-1000CX, B-1000CY, B-1000CZ, B-1000DA, B-1000DB, B-1000DC, B-1000DD, B-1000DE, B-1000DF, B-1000DG, B-1000DH, B-1000DI, B-1000DJ, B-1000DK, B-1000DL, B-1000DM, B-1000DN, B-1000DO, B-1000DP, B-1000DQ, B-1000DR, B-1000DS, B-1000DT, B-1000DU, B-1000DV, B-1000DW, B-1000DX, B-1000DY, B-1000DZ, B-1000EA, B-1000EB, B-1000EC, B-1000ED, B-1000EE, B-1000EF, B-1000EG, B-1000EH, B-1000EI, B-1000EJ, B-1000EK, B-1000EL, B-1000EM, B-1000EN, B-1000EO, B-1000EP, B-1000EQ, B-1000ER, B-1000ES, B-1000ET, B-1000EU, B-1000EV, B-1000EW, B-1000EX, B-1000EY, B-1000EZ, B-1000FA, B-1000FB, B-1000FC, B-1000FD, B-1000FE, B-1000FF, B-1000FG, B-1000FH, B-1000FI, B-1000FJ, B-1000FK, B-1000FL, B-1000FM, B-1000FN, B-1000FO, B-1000FP, B-1000FQ, B-1000FR, B-1000FS, B-1000FT, B-1000FU, B-1000FV, B-1000FW, B-1000FX, B-1000FY, B-1000FZ, B-1000GA, B-1000GB, B-1000GC, B-1000GD, B-1000GE, B-1000GF, B-1000GG, B-1000GH, B-1000GI, B-1000GJ, B-1000GK, B-1000GL, B-1000GM, B-1000GN, B-1000GO, B-1000GP, B-1000GQ, B-1000GR, B-1000GS, B-1000GT, B-1000GU, B-1000GV, B-1000GW, B-1000GX, B-1000GY, B-1000GZ, B-1000HA, B-1000HB, B-1000HC, B-1000HD, B-1000HE, B-1000HF, B-1000HG, B-1000HH, B-1000HI, B-1000HJ, B-1000HK, B-1000HL, B-1000HM, B-1000HN, B-1000HO, B-1000HP, B-1000HQ, B-1000HR, B-1000HS, B-1000HT, B-1000HU, B-1000HV, B-1000HW, B-1000HX, B-1000HY, B-1000HZ, B-1000IA, B-1000IB, B-1000IC, B-1000ID, B-1000IE, B-1000IF, B-1000IG, B-1000IH, B-1000II, B-1000IJ, B-1000IK, B-1000IL, B-1000IM, B-1000IN, B-1000IO, B-1000IP, B-1000IQ, B-1000IR, B-1000IS, B-1000IT, B-1000IU, B-1000IV, B-1000IW, B-1000IX, B-1000IY, B-1000IZ, B-1000JA, B-1000JB, B-1000JC, B-1000JD, B-1000JE, B-1000JF, B-1000JG, B-1000JH, B-1000JI, B-1000JJ, B-1000JK, B-1000JL, B-1000JM, B-1000JN, B-1000JO, B-1000JP, B-1000JQ, B-1000JR, B-1000JS, B-1000JT, B-1000JU, B-1000JV, B-1000JW, B-1000JX, B-1000JY, B-1000JZ, B-1000KA, B-1000KB, B-1000KC, B-1000KD, B-1000KE, B-1000KF, B-1000KG, B-1000KH, B-1000KI, B-1000KJ, B-1000KL, B-1000KM, B-1000KN, B-1000KO, B-1000KP, B-1000KQ, B-1000KR, B-1000KS, B-1000KT, B-1000KU, B-1000KV, B-1000KW, B-1000KX, B-1000KY, B-1000KZ, B-1000LA, B-1000LB, B-1000LC, B-1000LD, B-1000LE, B-1000LF, B-1000LG, B-1000LH, B-1000LI, B-1000LJ, B-1000LK, B-1000LL, B-1000LM, B-1000LN, B-1000LO, B-1000LP, B-1000LQ, B-1000LR, B-1000LS, B-1000LT, B-1000LU, B-1000LV, B-1000LW, B-1000LX, B-1000LY, B-1000LZ, B-1000MA, B-1000MB, B-1000MC, B-1000MD, B-1000ME, B-1000MF, B-1000MG, B-1000MH, B-1000MI, B-1000MJ, B-1000MK, B-1000ML, B-1000MM, B-1000MN, B-1000MO, B-1000MP, B-1000MQ, B-1000MR, B-1000MS, B-1000MT, B-1000MU, B-1000MV, B-1000MW, B-1000MX, B-1000MY, B-1000MZ, B-1000NA, B-1000NB, B-1000NC, B-1000ND, B-1000NE, B-1000NF, B-1000NG, B-1000NH, B-1000NI, B-1000NJ, B-1000NK, B-1000NL, B-1000NM, B-1000NN, B-1000NO, B-1000NP, B-1000NQ, B-1000NR, B-1000NS, B-1000NT, B-1000NU, B-1000NV, B-1000NW, B-1000NX, B-1000NY, B-1000NZ, B-1000OA, B-1000OB, B-1000OC, B-1000OD, B-1000OE, B-1000OF, B-1000OG, B-1000OH, B-1000OI, B-1000OJ, B-1000OK, B-1000OL, B-1000OM, B-1000ON, B-1000OO, B-1000OP, B-1000OQ, B-1000OR, B-1000OS, B-1000OT, B-1000OU, B-1000OV, B-1000OW, B-1000OX, B-1000OY, B-1000OZ, B-1000PA, B-1000PB, B-1000PC, B-1000PD, B-1000PE, B-1000PF, B-1000PG, B-1000PH, B-1000PI, B-1000PJ, B-1000PK, B-1000PL, B-1000PM, B-1000PN, B-1000PO, B-1000PP, B-1000PQ, B-1000PR, B-1000PS, B-1000PT, B-1000PU, B-1000PV, B-1000PW, B-1000PX, B-1000PY, B-1000PZ, B-1000QA, B-1000QB, B-1000QC, B-1000QD, B-1000QE, B-1000QF, B-1000QG, B-1000QH, B-1000QI, B-1000QJ, B-1000QK, B-1000QL, B-1000QM, B-1000QN, B-1000QO, B-1000QP, B-1000QQ, B-1000QR, B-1000QS, B-1000QT, B-1000QU, B-1000QV, B-1000QW, B-1000QX, B-1000QY, B-1000QZ, B-1000RA, B-1000RB, B-1000RC, B-1000RD, B-1000RE, B-1000RF, B-1000RG, B-1000RH, B-1000RI, B-1000RJ, B-1000RK, B-1000RL, B-1000RM, B-1000RN, B-1000RO, B-1000RP, B-1000RQ, B-1000RR, B-1000RS, B-1000RT, B-1000RU, B-1000RV, B-1000RW, B-1000RX, B-1000RY, B-1000RZ, B-1000SA, B-1000SB, B-1000SC, B-1000SD, B-1000SE, B-1000SF, B-1000SG, B-1000SH, B-1000SI, B-1000SJ, B-1000SK, B-1000SL, B-1000SM, B-1000SN, B-1000SO, B-1000SP, B-1000SQ, B-1000SR, B-1000SS, B-1000ST, B-1000SU, B-1000SV, B-1000SW, B-1000SX, B-1000SY, B-1000SZ, B-1000TA, B-1000TB, B-1000TC, B-1000TD, B-1000TE, B-1000TF, B-1000TG, B-1000TH, B-1000TI, B-1000TJ, B-1000TK, B-1000TL, B-1000TM, B-1000TN, B-1000TO, B-1000TP, B-1000TQ, B-1000TR, B-1000TS, B-1000TT, B-1000TU, B-1000TV, B-1000TW, B-1000TX, B-1000TY, B-1000TZ, B-1000UA, B-1000UB, B-1000UC, B-1000UD, B-1000UE, B-1000UF, B-1000UG, B-1000UH, B-1000UI, B-1000UJ, B-1000UK, B-1000UL, B-1000UM, B-1000UN, B-1000UO, B-1000UP, B-1000UQ, B-1000UR, B-1000US, B-1000UT, B-1000UU, B-1000UV, B-1000UW, B-1000UX, B-1000UY, B-1000UZ, B-1000VA, B-1000VB, B-1000VC, B-1000VD, B-1000VE, B-1000VF, B-1000VG, B-1000VH, B-1000VI, B-1000VJ, B-1000VK, B-1000VL, B-1000VM, B-1000VN, B-1000VO, B-1000VP, B-1000VQ, B-1000VR, B-1000VS, B-1000VT, B-1000VU, B-1000VV, B-1000VW, B-1000VX, B-1000VY, B-1000VZ, B-1000WA, B-1000WB, B-1000WC, B-1000WD, B-1000WE, B-1000WF, B-1000WG, B-1000WH, B-1000WI, B-1000WJ, B-1000WK, B-1000WL, B-1000WM, B-1000WN, B-1000WO, B-1000WP, B-1000WQ, B-1000WR, B-1000WS, B-1000WT, B-1000WU, B-1000WV, B-1000WW, B-1000WX, B-1000WY, B-1000WZ, B-1000XA, B-1000XB, B-1000XC, B-1000XD, B-1000XE, B-1000XF, B-1000XG, B-1000XH, B-1000XI, B-1000XJ, B-1000XK, B-1000XL, B-1000XM, B-1000XN, B-1000XO, B-1000XP, B-1000XQ, B-1000XR, B-1000XS, B-1000XT, B-1000XU, B-1000XV, B-1000XW, B-1000XX, B-1000XY, B-1000XZ, B-1000YA, B-1000YB, B-1000YC, B-1000YD, B-1000YE, B-1000YF, B-1000YG, B-1000YH, B-1000YI, B-1000YJ, B-1000YK, B-1000YL, B-1000YM, B-1000YN, B-1000YO, B-1000YP, B-1000YQ, B-1000YR, B-1000YS, B-1000YT, B-1000YU, B-1000YV, B-1000YW, B-1000YX, B-1000YY, B-1000YZ, B-1000ZA, B-1000ZB, B-1000ZC, B-1000ZD, B-1000ZE, B-1000ZF, B-1000ZG, B-1000ZH, B-1000ZI, B-1000ZJ, B-1000ZK, B-1000ZL, B-1000ZM, B-1000ZN, B-1000ZO, B-1000ZP, B-1000ZQ, B-1000ZR, B-1000ZS, B-1000ZT, B-1000ZU, B-1000ZV, B-1000ZW, B-1000ZX, B-1000ZY, B-1000ZZ.