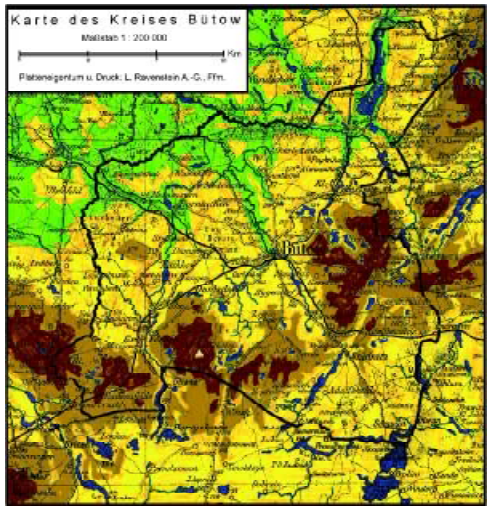
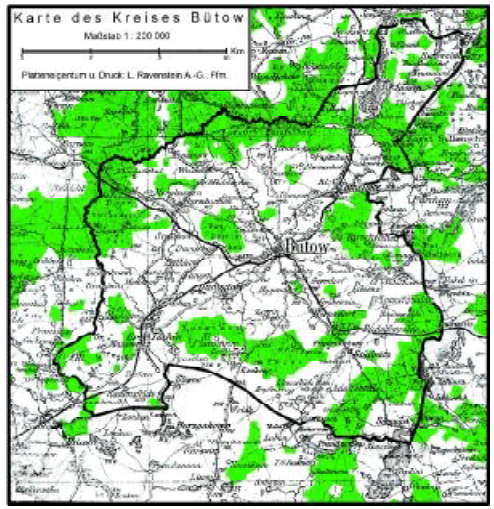


A LQ[PKNROKP/[WOX D SZ[I!:[WI VQ[MVI[QI KPVQ

- $() YW ' (& U V%%%
- () Y$ / YW ' (& $. & U V%%%
- (/ Y$ YW ' . & $[& & U V%%%
- mL9)/YW XMI L (& & U V%%%

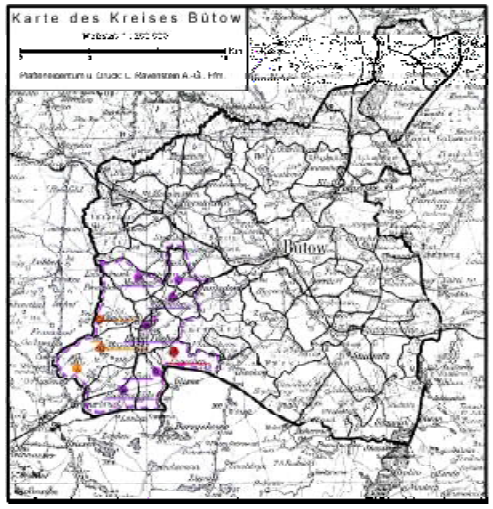
9



H KNL Q]LL[O$]^XQ < I Z_

- H KNLO]KXN_YX (0* 0 H TQ[QI /) / Y

13

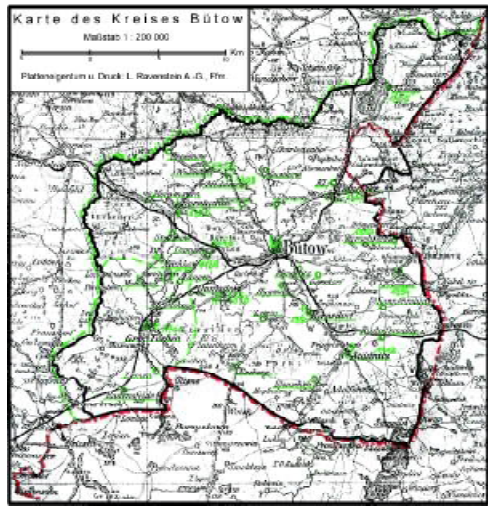


BPK[[O59 [Y] $E ^NROX @ Y NQ CI KPVI QI

- A [] ONQ EQ[KE^NROX = Q[PKNVI QI CNY CI KPVI b
- A [] \Q[m XN^ XQ[X XNUR (+- - = Q[PKNVI QI Q I A[VMVI V *, , Y%
- 8[$\Q[$%X$NROA [] \Q[m XN^ XQ[X = Q[PKNVI QI Q K I Z[^ SNVI Q I KQN Y[LNY KR-z$Q[R

BPK[[O59 [Y] $E ^NROX @ Y NQ CI KPVI QI

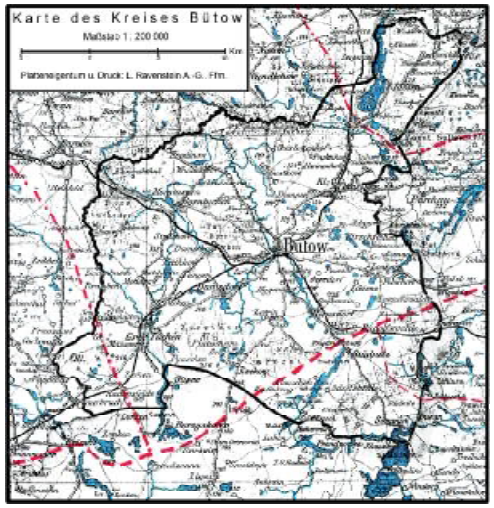
17



- >L K<A>I 4 I =>F #9%* R #& ' H I SNV; Y _;! I KSQ) (/ $ *, , Y%

- A \Q[O%bONQ 4 $]^NI 5 KNNV$X F Z[PKNVI QI CI V Q[J Q$ \X[^ I SI U Q[Q$ Q[V
- H O]Q[O%bONQ 6 O^]\NROX A [NO\ ), %#(@ / , !EQ[KE^NROX H I PKNVI QI CI V Q[H I SNV ; Y _ I KSQ[V (+%*%9) . + Y%CNY CI KPVI
- H O]Q[O%bONQ 6 O^]\NROX A [NO\ ), %#(@ / , L$ b^W H I PKNVI QI CI V Q[H I SNV ; Y _ I KSQ[V L W (+%*%9) . + Y%
- A [NO\ L ^[Q H I U%$ SY _$ I KSQ
- 6 I [R] $K NQ A [NO\ b O$ F Z[I^ K I Z I K P H I SNV
- = $NROX W$ ^ XQ[R F[OX 9 [m XN^ XQ]R F[OX @ Y _ J T Q I V N U [_ J L W _ SNV K Q[^

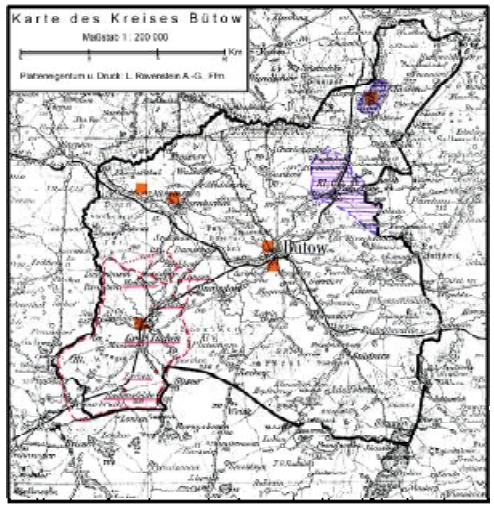
21



9 O K\ \Q] $H K\ \Q[\ NROX$O X F W _$F W N U Q[!_

- b ` $NROX = m]OKPN\ \OX ^XN H O$N R\ O/  U Q[ ` _ Y N$ U Q X Y _ L V Y I I F Q$;
- Q[YVZO ^XN H SZ Q] B\ X Q Q F Q[V Y ";
- Q[YVZO ^XN >^ZY B\ X Q Q L \ X ^ ;
- 4 [KRO ^XN D M R K[b ` K\ \Q]  2 Y L ; Q$ ` I Y% ; F W ;

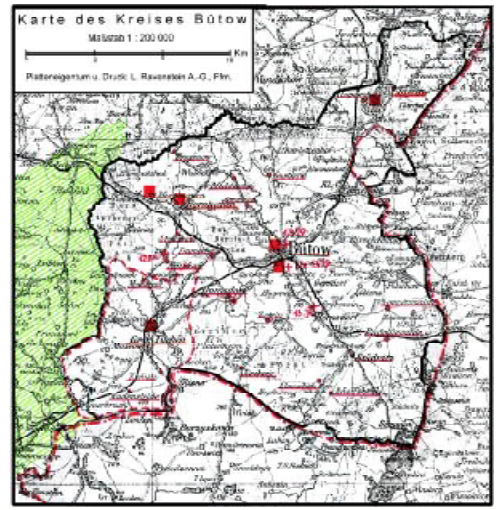
11



7 [\]O9 [OXbOX @ Q[V Z M O I V Q[M

- 4 ^[Q K W O 7 W / Q$
- EQ[KE^NROX_Y[(* YY e) , %#(@ / , a C N Y CI KPVI b U Q[` _ ') & & Y% (+%*%9) . + Y
- = \ ^\]Q[A \$ K (* (Y $ (* / (@ Q[L W K Q S T Z [V I ^ ? ^ Q[Q U Q[` _ ') ' & Y%) . ' Y%

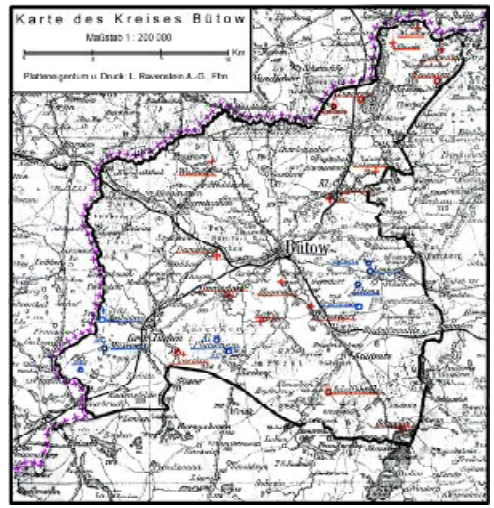
15



2 : F = , U K G N L E ##GG R #9%* H Q[V Q 2 _[V Z S I V $% ' & & Y% (') (/ Y

- C ^ V W O V L ^ [Q[ ] C Q[ ] b !9 [O X b ` K N ' = Q[Z N $ Q T Z O Y V Q[\ V _ A N V
- H O]Q[O%bONQ 6 O^]\NRY[NOX]Q[[$^[$^[S W \ \O$; (* (Y#A \]Q[O%bONQ 4 $]^NI 5 KNNV$X H I PKNVI QI CI V Q[[N Y[V Q U H I SNV ; Y _ ! I KSQ[V U W ') ' & Y%^ Z P K N V I QI CI V Q[J Q$ \X[^ I SI U Q[Q$ Q[V U W ') (' Y%
- EQ[KE^NROX ^W (* YY e) , %#(@ / , a C N Y CI KPVI b U W K$ %) & & Y% L V (+%*%9) . + Y%
- 6 I [R] F Z[M
- = $NROX ; V K Q[V #
- 4 ^[Q K W O 7 W / Q$

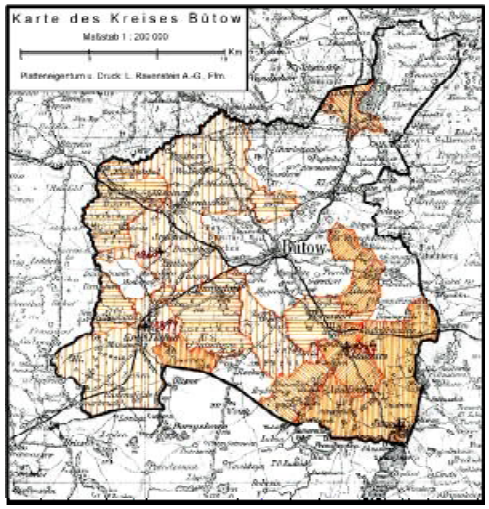
19



3 : <A G I=>F J O>B K ; #& ' 3 ` I Z X $ Y _ ;! I KSQ N V * , , Y%

- 6 Y[R]m XN^ XQ[X XNUR (+- - F Z[M I ^ V N V M N V *, , Y%
- G Y[` C]UO I 9 m]Q " 6 V M I V K ;! U I R[I SQ
- 8[$\Q[$%X$NRO 9 [m XN^ XQ[X ? Z I L V Q[^ V W V L N Y R-z$Q[M
- H O]Q[O%bONQ 4 $]m V Q[> O V K ^ !(- * . $ (/) (" # = ^ W V !(/) ($[O)) " # N X X 8[C$D B[K V $]^[D N R X O B N O W h R V H I PKNVI QI CI V Q[J Q$ \X[^ ^ ^ ; V M I ^ Z $ Q[M V ' ,) - $ ' . (' " # H P N V Q[Z $ Q[M V ' . (' $ ' / ((" # X M I F V M V R @ Y ; I / I Y _ @ Q[Z $ Q[R

23

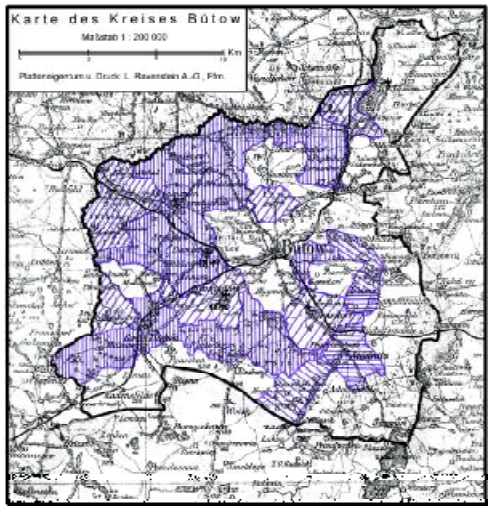


7<AI GHKGDD : LI&F JK F= #) #G 2\LWTM \;JWM . ' &

/ Ye (YY .&$ && | - Ye / Y , &$ & | +Y$- Y *&$ & |) Y$+Y (&$' & | ($) Y '$[&

= $NROX((/ 00#(0*. KL QDL[KXX]2 ; VAKQV_ZK TAM . / / #' /) - Y%
(/ - Y KL QDL[YNROX `J\ YWM . , &

25

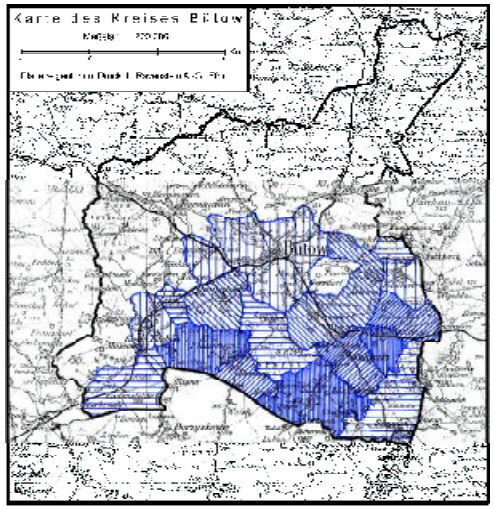


/ : <AN>KQ : LI&F 7 K F= #) #G 2\L_VSQ` XY.ZSQDWU\ Y(' . ' & Y%%

/ Ye (YY .&$ && | - Ye / Y , &$ & | +Y$- Y *&$ & |) Y$+Y (&$' &

= $NROX$<4F[NO\ 3 LL[^NR\ ; VAKQV_c YS\ YNUQ@VSQ

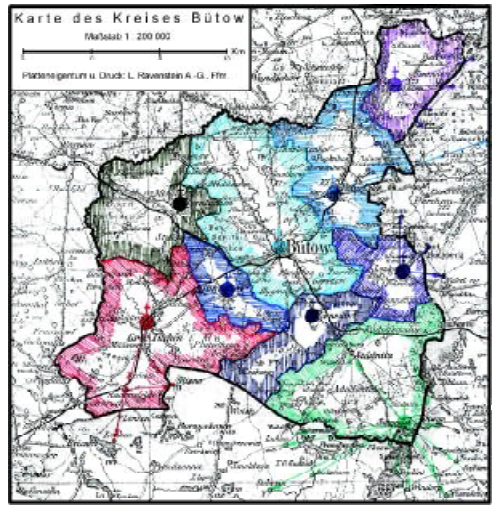
29



1 : KAGBB<A> , >MTBD>I LF@7 K F= #* % ; I [VTQ[' /) ,

/ Ye (YY .&$ && | - Ye / Y , &$ & | +Y$- Y *&$ & |) Y$+Y (&$' & | (Ye) Y '&$[&

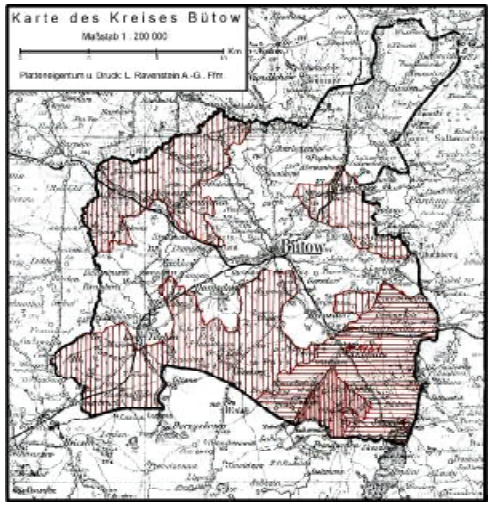
33



5IG<JK FHB<A> 1 B<AJHB>D @[VTQ] VKQSVKD \ QI HR SVAKQVM

BPK[[U$NRO SVAKQ`
8 SNKUNRO NQDTV_
bO$ OS$QLQ[O] K I ZVVWAKQ_ XI [YVM [M

37

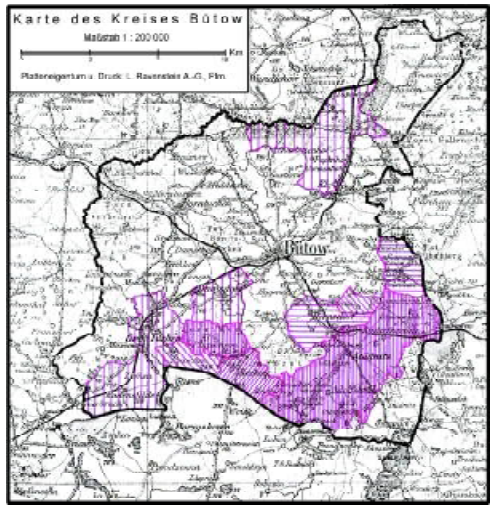


7<AI GHKGDD : LI&F 7 K F= #* % 2\LWTM \;JWM /) , Y%

+Ye , Y *&$+& # |) Y e +Y (&$' & | ($) Y '$[&

= $NROX(0*. KL QDL[KXX] ; VAKQV_' /) - Y%2N TAM

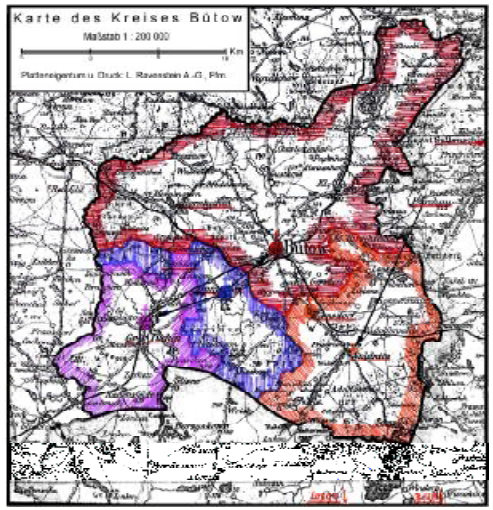
27



= K]RY\$NRO 4 O_| VUQ]^XQD]KXN (/ , , ; I [VTQ[' . ++

/ Ye (YY .&$ && | - Ye / Y , &$ & | +Y$- Y *&$ & |) Y$+Y (&$' & | (Ye) Y '&$[&

31

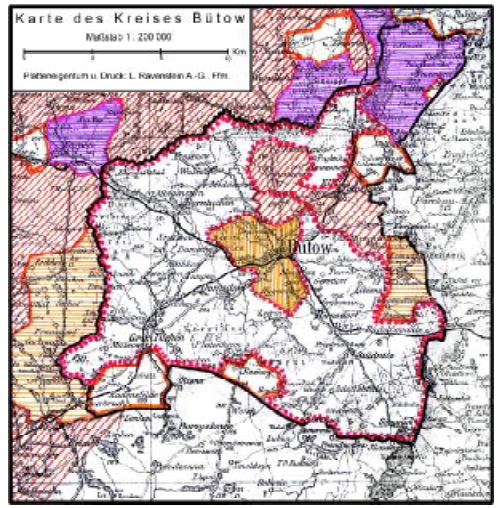


= K]RY\$NRO BPK[[O$DX ; VAKQ`X I YNQTV_

BPK[[U$NRO SVAKQ`
8 SNKUNRO NQDTV_
bO$ OS$QLQ[O] K I ZVVWAKQ_ XI [YVM [M

BPK[[O$DX NO\ 6 OLKXX]\ 4 n]Y ^W (- *. ^X[O]\][$NROX @YNQLN$I V[\ J_[WZSQDWU' . ,) - Y%%U$VMVM

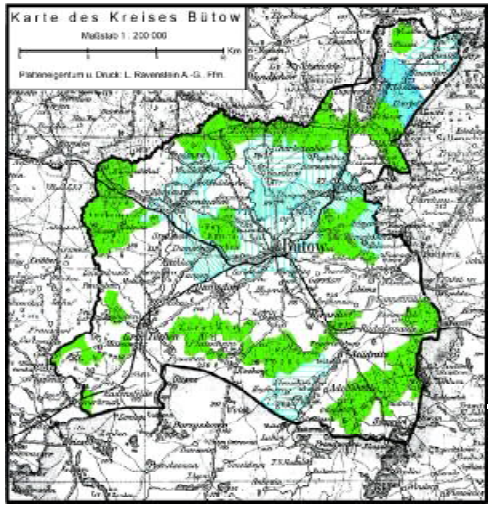
35



7 K =K LF= + E K0; >JBKO E[VZ VSQDV$X[QP ;-] ZVAKQVM

3 W] 4 n]Y' ? S\ QO2 _[e^
D]KN]LO $b @[VTQL\ VKQLQDZ$QM
9 n]O] W$ 4 K^ O]XN [R] X = I R[SQ] M^ ZDHP K2 VMZS$P
9 n]O] YRXO 4 K^ O]XN [R] = I R[SQ]M ^ ZDHF VMZS$P
4 K^ O]X$^XN = YWX$]OXN [R] 29 n]O] ^X]O] , YY RK F ZDHF VMZS]OS VMVZ[e^ #UI R[SQ]VKQ]VR +&& FI
bR$ %KNUR (/ 0 Y K^ R]O $ SNO]O 9 n]O] = I R[SQK_ JQ]VVMVX YKDM VMVY . / & Y%

39

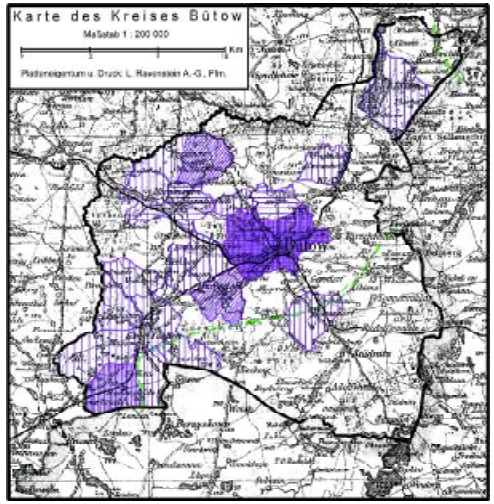


9 ^]\LO\$bmLQ( ) YY RK ? *IR[SQ\W_;!R[&&Fl*

B[YbOX]^KX] 3 X]OSVKX NO]VXXN \$]\MRKR]\$NROX 8\XNRO *@XXW[W_\L`Q:`XWQ[XHVQWV]HP^ OUXQ[*
NO] 9 OWOSNO

0Y e (YY	*/ && &*
/ Y e 0Y	*. && &*
, Y $- Y	*+&& &*
+Y e , Y	**&&+&*
* Y $+ Y	*)&& &*
(Y $* Y	*'&&) &*
b^\KWVOKRXQ]XNOH KNPWNROX	*VQ[V`NP^IVVXVVQ[XHVQ[VHVQ[M*

41



+ FO AD=>I =>LKI<AJHI: <ABQ>F 8 GEQ:U: @>F F: <A
9 "L >QDH #" $G

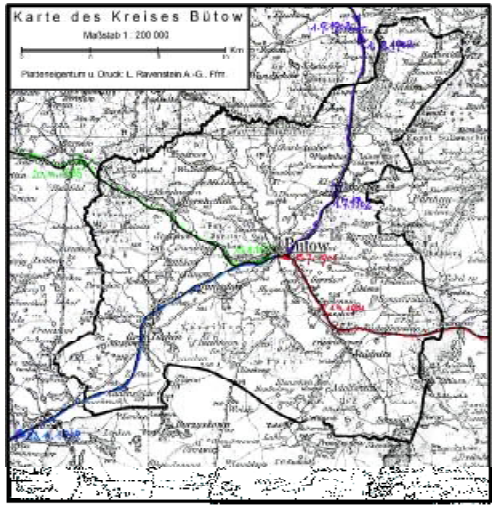
<QUJI VQ[VQ[VSVQ[_KVJ\P XVVJ\H TLVW_KP`M
`JQ[M F I TNM ; NMN !" / / (& Y%

* +	) *
(,	' +
- e 0	, $
* e +	) $
(e)	' $

@Y[N O]QOXONO RK^RSQXYNR QUZ[YS NROXOX = KNR^LSNROX ^W (0* Y

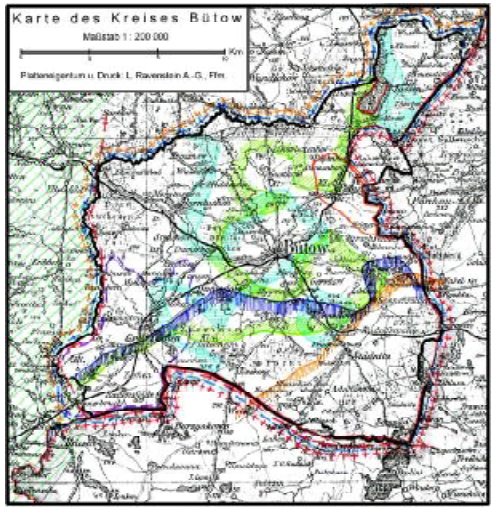
@;VVVVS IHVVVQ I ZQOK_ZNQW ¿^ I VQ R_SI SI Z \ JZSQ[VVS% /) & Y%

45



7 SOXLKRXLK^ *2\LVW1 ZQ[QSVVVVNR*

43



9 [OXOCK SW = [OS 4 m]Y` *7 YVQ[M HQ[WQ2_[WZSQ[R*

C^WVOVL^[O] COO]o !9 [OXO KW	= Q[ZNSQOVQ[V_TZ\W[		
= K]OWOXOSO]YVZ	*; IZ[NTVQ 2\ XS1 #*	E Q[KE^NROX	*aOWY C\KRWW*
= V\]Q A \ESK	*; TZ[WVWQ2SQ*		
H O]QOXOONN% 6 E^\ [NOX (* (Y	*HIKPNMQ OVQ[HI SM; Y_J KSQ[W) ' &*	(* 0.	*') / + Y%*
A \]QOXOONN% 4]%KWVSX	*F IKPNMQ OVQ[JQS XQ^I; I UQ[XSQ[W*	H O]QOXOONN%]% >O VK^	*HIKPNMQ OVQ[JQS XQ^I ^\WQ ^ ZSQ[W*
B[Y_S%SI (0(/ "	*7 YVQ[XWVQ[WQ ' / ', "*	COWR QOXOO (0*, "	*A `XZ_!' /) -"*
DWR[YRYWLK^]OX	*2\LVWTM \QMVM*	SKWR Q LLK^]OX	*2\LVWTM UA Y XYZSQ[W*
= KPR4 O] VXQ ^XQ !*YQ[YY "	*; I[WQ[I) & && "!!*	NO^]\MROGYV0\1\KQ]X	*> Q[VVXSQ[WM VQ TLVVM*

47