"#"\$%&'#<u>"(()</u>'*+&%*+,!

%-./01234!5061!,7488-!89!:0;!03!(072!<=.>2?/.3@!!"##"\$\\\$&'()(*+,\\$

- !"#\$%&&#"'#\$'()*'+',)-.\@1'23"%-0#"'#\$'4")5.)\@%'!"#6")7&\$!"#"-.\$&'()(*+,'
- ! "#\$%&&#""#\$'(`) *'

```
• ()*'; /%"0'0#'0@%'P#:#")E/%'D#&%7)"1'Q)"0%006'; 3"-.30'N.56%]$$X';F+(7$
: (:2';*7;$;*7$2&4*42*)$2*$F366$';*M($2F$54@46$;*7$5'4:4*;6$5;)()]$$$
! $$$

%$<#''+')*!
```

! ! K2?U2-2@:0; H!<=.>2?/.3@!89!#0-.98?=.0H!K2?U2-2@

!

!

!

!

• M@%'AB3/'Y0@%'''):5'0@%'I36"):0'I#B%7%:0\$4*\$1 N & L D
D C R N \$\frac{1}{3}\frac{1}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3

\$
• <u>i 9 \$ 1 62) ('\$ < 22 Y \$; +\$ A (') 2 * E22 7 \$; * 7 \$ 9 * 4 : ; 6 \$ C (6 F; '(j \$ % \$ Z 3 () + \$ & 2) + \$ 2 * \$ \ (= \$ [2 'Y \$ L 4 : () \$ X 2 + \$?; '+ E \$ R 3 6 B \$ " # - 0 \$ }</u>

\$

- iLE(\$?@263+42*\$2F\$+E(\$G(M36;+42*\$2F\$D';1464;*\$?+E;*26\$;*7\$A2))4H6(\$<())2*)\$F2'\$+E(\$
 _*4+(7\$N+;+()>j\$C4)52*)4*\$R23'*;6\$2F\$J*+('*;+42*;6\$<;=\$NB:&2)43:\$%\$G(*(=;H6(\$
 ?*('MB\$K\$164:;+(\$1E;*M(8\$d&&2'+3*4+4()\$;*7\$1E;66(*M()\$F2'\$J*+('*;+42*;6\$<;=>\$
 V;74)2*%CJ%V;'5E\$"#-"\$
- i C;+('\$<;=\$4*\$+E(\$_]N]\$K\$D';I46\$%\$L=2\$9&&'2;5E()\$+2\$?:('M4*M\$C;+('\$A2@('+Bj\$%\$ J*@4+(7\$977'())\$+2\$[:6(\$N5E226\$2F\$S2'()+'B\$K\$?*@4'2*:(*+:6\$N+374())\$\2@(:H('\$"#--\$
- i Z62H;6\$12*5('*)\$%\$LE(\$?FF454(*5B\$S;66;5B\$4*\$9*4:;6\$9M'4536+3'(>j\$<(=4)\$K\$16;'Y\$
 1(*+('\$F2'\$9*4:;6\$<(M;6\$N+374()\$9*4:;6\$<;=\$12*F('(*5(>\$A2'+6;*7)\$dG>\$d5+2H('\$"#--\$
- i b 2+\$1 '2=7(7\$K\$<(M;68\$9\$<22Y\$;+\$J*73)+'4;6\$9M'4536+3'(\$4*\$+E(\$_*4+(7\$N+;+()\$K\$D';I46)j\$9*4:;6\$<;=\$G(@4(=\$J*;3M3';6\$NB:&2)43:\$A2'+6;*7\$\$dG\$\$d5+2H('\$"#--\$\$
- i V 36+4*; +42*; 6\$ C; +('8\$LE(\$Z3;'; *4\$9 m34F('\$; *7\$+E(\$1E; 66(*M()\$2F\$L'; *)H23*7; 'B\$ Z'23*7=; +('j\$%\$ C 2'67\$ C; +('\$12*M'())\$A2'+2\$7(\$Z; 64*E;)\$D'; I46\$N(&+(:H('\$"#--\$
- i k ((&4*M\$4+\$<(M;68\$L';*)H23*7;'B\$V;*;M(:(*+\$1E;66(*M()\$S;54*M\$D';I46\$;*7\$+E(\$Z3;';*4j\$%\$12*F('(*5(\$2*\$Z'((*\$?52*2:B\$4*\$+E(\$12*+(`+\$2F\$N3)+;4*;H6(\$X(@(62&:(*+8\$Z2@('*;*5(\$2F\$A3H645\$;*7\$A'4@;+(\$95+2')\$!A'(&;';+2'B\$V((+4*M\$F2'\$G42\$n\$"#,>\$G42\$7(\$R;*(4'2>\$D';I46>\$R3*(\$"#--\$
- i d = *4*M\$ C E; +\$ [23\$?; +j\$%\$12*F('(*5(\$2F\$9))254; +42*\$2F\$<; =>\$136+3'(\$K\$b3:; *4+4()>\$<;)\$ g (M;)>\$ \ g>\$V; '5E\$"#--\$
- i<;=>\$164:;+(\$K\$S227j\$%\$J*@4+(7\$977'())\$+2\$C4664;:)\$1266(M(\$1(*+('\$F2'\$?*@4'2*:(*+;6\$N+374())\$C4664;:)+2=*>\$V9>\$R;*3;'B\$"#--\$
- iLE(198db2+E23)(373)+'4;9730+'4;9730+'36+3'(164:;+(18;*M(18+E(18:*)*99<N\9**3;180+'4*M\\$N;*\\$';*54)52\\$19\\$R;*3;'B\\$"#--\\$
- iR3MM64*M\$C;+('8\$L';*)H23*7;'B\$J))3()\$S;54*M\$+E(\$Z3;';*4\$9m34F('j\$%\$_\?N1d\$ 12*F('(*5(\$2*\$iL';*)H23*7;'B\$9m34F(')8\$1E;66(*M()\$K\$\(=\$X4'(5+42*)\$A;'4)\$S';*5(\$

 $\bullet \qquad iLE(\$J:\&;5+)\$2F\$J*73)+'4;6\$9 M'4536+3'(\$2*\$164:;+(\$1E;*M(j\$\%k(B*2+(\$J*)+4+3+(\$F2'\$164)))))$

- i d = *4*M\$ C E; +\$ [23\$?; +j\$%\$12*F('(*5(\$2*\$LE(\$9*4:;6\$C4+E4*\$+E(\$N&E('(\$2F\$b3:;*\$ \ ((7)\$)&2*)2'(7\$HB\$+E(\$_*4@(')4+B\$2F\$ a 3rH(5\$;+\$V2*+'r;6\$J*+('*;+42*;6\$G()(;'5E\$Z'23&\$4*\$9*4:;6\$<;=>\$V2*+'r;6\$1;*;7;>\$V;B\$"##Q!
- iLE(\$VB+E\$2F\$N3)+;4*;H6(\$J*73)+'4;6\$9M'4536+3'(j\$%\$NB:&2)43:\$2*\$S227>\$S3(6\$;*7\$+E(\$S3+3'(\$2F\$S;':4*M)\$g(':2*+\$<;=\$N5E226>\$N23+E\$G2B;6+2*>\$gL>\$R36B\$"##/!
- i CEB\$\2+\$D(\$1'3(6h\$\$\\$\$9*4:;6\$1'3(6+B\$;*7\$\text{E}(\$NE4F\text{+4*M}\$X4)523')(\$2F\\$g\text{45\text{+4}:}E227j\\$\\$ g\text{45\text{+4}:}\\$;*7\text{+E}(\$1'4:4*;6\text{8}3)\text{+4}:\\$NB)\text{+4}:\\$\\$1.\\$\$
- $iLE(J^*+'45;54()^2F^*N+;*74*Mj^*SJ^*@4+(7\$977'()))D;'7\$1(*+('^2P2'^*?*@4'2*:(*+;6\$A2645B))$

١

- i V;*M'2@(\$A'2+(5+42*\$%\$9*\$J*+('*;+42*;6\$;*7\$<25;6\$X46(::;j\$%\$J*+('*;+42*;6\$S2'3:\$2*\$?*@4'2*:(*+;6\$<;=>\$No2\$<34)>\$D';I46>\$X(5(:H('\$"##"\$
- i \ ;''; +4@(\$;*7\$?*@4'2*: (*+j\$%\$J*@4+(7\$977'())\$+2\$+E(\$N;*\$X4(M2\$A3H645\$<4H';'B\$;)\$&;'+\$ 2F\$ I #B3:6'X)0%"&S'M@%'; #/#")5#'D3B%"'+ '0@%'X%&0\$"!(`E4H4+42*\$)3&&2'+(7\$HB\$+E(\$ b3:;*4+4()\$123*546)\$2F\$9'4I2*;\$1;64F2'*4;\$1262';72\$\(@;7;\$\(@;7;\$\(=\$V(`452\$_+;E)\$K\$)CB2:4*M]\$\$N;*\$X4(M2\$19\$V;B\$"##"\$
- $sG4@('\C;')\S<2)\9*M(6()\S+E(\d=(*)\g;66(B)\;*7\L$

! (0=2-/V!)

- G()&2*7(*+8\$1263: H4;\$R23'*;6\$2F\$?*@4'2*: (*+;6\$<;=\$164:;+(\$NB:&2)43: \$1263: H4;\$ _*4@(')4+B\$!@4;\$t22:,>\$V;'5E\$"#"-\$
- X4)53));*+8\$iS227>\$S;4+E>\$K\$+E(\$S3+3'(\$2F\$A6;*(+;'B\$b(;6+E>j\$b;'@;'7\$_*4

- A;*(64)+8\$i C;+('\$C;')8\$J)\$C;+('\$;*\$?*7;*M('(7\$N&(54()hj\$%\$A;5(\$_*4@(')4+B\$D42(+E45)\$ S2'3:\$1 gJJ\$\ [>\$X(5(:H('\$"#-"\$
- V27(';+2'8\si\(=\sint X(\@(62\&: (*+)\sint 4*\sint 9*4: ;6\sint <;=\sint j\sint A;5(\sint <;=\sint 5E226\sint 12*+4*34*M\sint <(M;6\sint 2*+4*34*M\sint <(M;6\sint 2*+4*34*M\sint </)
- A;*(64)+8\$i 9M'4H3)4*())\$K\$\tE(\$?*@4'2*: (*+\j\$%\$<234)4;*;\$D;'\$9))254;\t42*\\$d5\t2H('\$"#--\$
- A;*(64)+8\$i 9*4:;6\$G4ME+)>\$9*4:;6\$C (6F;'(\$;*7\$+E(\$<;=8\$13''(*+\$X(H;+()\$4*\$9*4:;6\$A'2+(5+42*j\$%\$L(`;)\$D;'\$9))254;+42*>\$93)+4*>\$L1>\$9&'46\$''#--\$
- A;*(6\$1E;4'8\$i?+E45)\$;*7\$A'2F())42*;64):\$4*\$?*@4'2*:(*+;6\$<;=8\$_&\$4*\$N:2Y(hj\$%\$A;5(\$ <;=\$N5E226\$\;+42*;6\$?*@4'2*:(*+;6\$V22+\$123'+\$12:&(+4+42*)\$S(H'3;'B\$''##Q\$
- A;*(64)+8\$i 164: ;+(\$1E;*M(\$\\$A2645B\\$?52*2:45\\$K\$<(M;6\\$N263+42*)j\\$\\$\$253)\\$+E(\\$\;+42*\\$!*;+42*=47(\\$+(;5E.4*\\$E(67\\$;+\\$2@('\\$->0##\\$4*)+4+3+42*)\\$2F\\$6(;'*4*M,\\$D;'7\\$1266(M(\\$G(7\\$b22Y\\$\[\])\\$S(H'3;'B\\$"##/\\$
- A;*(64)+8\$iX(H;+4*M\$9*4:;6)\$;)\$<(M;6\$A(')2*)j\$%\$12*F('(*5(\$2F\$+E(\$9:('45;*\$9))254;+42*\$2F\$<;=\$N5E226)\$!99<N,\$R;*3;'B\$"##/\$
- A;*(64)+8\$iLE(\$9*4:;6\$?*+('&'4)(\$L(''2'4):\$95+8\$14@46\$G4ME+)\$;)\$;\$1;)3;6+B\$4*\$9*+4\$ L(''2'4):\$GE(+2'45j\$..\$\(=\$[2'Y\$14+B\$D;'\$9))254;+42*\$V;B\$"##0\$
- A;*(64)+8\$i 1;*\$LE('(\$D(\$A(;5(\$4*\$;\$b(;6+EB\$C2'67hj\$%\$D42(+E45)\$S2'3:\$1J>\$A;5(\$
 _*4@(')4+B>\$\(=\$[2'Y>\$X(5(:H('\$"##P\$!=(H5;)+\$*;+42*=47(,\$
- N())42*\$1E;4'8\$iLE(\$G26(\$2F\$?*@4'2*: (*+;6\$G(@4(=j\$%\$T"\$9**3;6\$J_1\\$12662m343:\$2*\$?*@4'2*: (*+;6\$<;=>\$\(=\$[2'Y>\$d5+2H('\$"##P\$
- A;*(64)+8\$i 12*F'2*+4*M\$D;''4(')\$+2\$+E(\$123'+\$G22:\$F2'\$9*4:;6\$97@25;+()8\$N+;*74*M\$\$1;3)()\$2F\$95+42*>\$;*7\$136+3';6\$L';*)4+42*)j\$%\$\((=\$[2'Y\$_*4@(')4+B\$N5E226\$2F\$<;=>\$9&'46\$"##P!
- A;*(64)+8\$iN(`>\$g426(*5(>\$S2'(*)45)\$K\$+E(\$G26(\$2F\$X \ 9 j\$%\$D42(+E45)\$S2'3:\$1>\$A;5(\$ _*4@(')4+B>\$\ (=\$[2'Y\\$X(5(:H('\"##U\\$
- $\begin{array}{ll} \bullet & \text{A;*(64)+\$\$i\,X()4M*('\$D;H4())\$162*4*M\$;*7\$+E(\$\setminus(=\$Z(*(+45)j\$\%\$D42(+E45)\$S2'3:\$g\,JJJ)\$A;5(\$_*4@(')4+B)\$\setminus(=\$[\,2'Y\}\&2@(:H('\$"\#\#0\$))\} \\ \end{array}$
- N())42*\$1E;4'8\$s12*+(:&2';'B\$?*@4'2*:(*+;6\$J))3()j\$%\$12*F('(*5(\$2F\$+E(\$9))254;+42*\$F2'\$+E(\$N+37B\$2F\$<4+(';+3'(\$;*7\$+E(\$?*@4'2*:(*+>\$V4))236;>\$VL>\$R36B\$-QQ0\$

:"A,#5)):,%IE'#%!

\$

\$ \$

- X4'(5+2'\\$D'; I46.9: ('45; *\\$J*)+4+3+(\\$F2'\\$<;=\\$K\\\$?*\@4'2*: (*+\\$!D9J<?,!
- V(:H('\\$Z62H;6\\$1(*+('\\$F2'\\$?*@4'2*:(*+;6\\$<(M;6\\$N+374()\\$!

```
, 0=G?0!KY!Z2--B2?]$A'2F())2'$K$X4'(5+2'$\;+3';6$G()23'5()$164*45)$$_*4@(')4+B$2F$V2*+;*;$
96(`;*7('$D6(=4+$JJJ$N5E226$2F$<;=]$$?:;468$**sandra.zellmer@umontana.edu!
$
18B6-8!,0BP0.8$$A'2F())2'$2F$<;=$Z(+3642$g;'M;)$N5E226$2F$<;=>$G42$7($R;*(4'2>DG]$?:;468$
G2:362]N;:&;42 u FM@]H'$
!
52.G.!&Y!56?G>$X;@47$1]$D;3:$A'2F())2'$2F$<;=$K$A'2F())2'$2F$AE462)2&EB\$X(;*$?:('4+;>$_*4@(')4+B$2F$J664*24)$N5E226$2F$<;=]$?:;468$**EE3'7 u 4664*24)](73!
!
K?.GC23!JY!#?0;98?G\$A'2F())2'$2F$<;=$;*7$F2':('$9))254;+($X(;*$F2'$G()(;'5E$K$S;536+B$X(@(62&:(*+>$?64);H(+E$b;3H$N5E226$2F$<;=$;*7$F2':('$9))254;+($X(;*$F2'$G()(;'5E$K$S;536+B$X(@(62&:(*+>$?64);H(+E$b;3H$N5E226$2F$<;=$;*8A;5($_*4@('4)+B]$$?:;468$**H5';=F2'7 u 6;=]&;5(](73$)
!
#0?@!A8-92\$D'35($K$?64I;H(+E$X3*6(@4($A'2F())2'$2F$?*M64)E\$G45($_*4@(')4+B]$?:;468$
5(=26F(u '45(](73$)
```

١