RESOLUTION NO. 929

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT CERTIFYING THE FINAL ENVIRONMENTAL IMPACT REPORT FOR THE SANTA ANA RIVER WATER RIGHT APPLICATIONS FOR SUPPLEMENTAL WATER SUPPLY

WHEREAS, San Bernardino Valley Municipal Water District and Western Municipal Water District of Riverside County have filed two separate applications (Application Nos. 31165 and 31370) with the State Water Resources Control Board to divert and put to beneficial use a total of up to 200,000 acre-feet of water per year from the Santa Ana River (the "Project");

WHEREAS, a Notice of Preparation for a Draft Environmental Impact Report ("Draft EIR") was prepared and released for public comment on July 12, 2002;

WHEREAS, the release of the Notice of Preparation initiated a 30-day public comment period that ended on August 31, 2002. During the public review period, a public scoping meeting was held on August 6, 2002, to receive agency and public comments regarding the scope of the environmental analysis for the EIR;

WHEREAS, a Draft EIR was prepared and circulated for public review and comment between October 14, 2004 and January 7, 2005;

WHEREAS, San Bernardino Valley Municipal Water District and Western Municipal Water District of Riverside County received written comments on the Draft EIR from organizations and public agencies;

WHEREAS, a Final Environmental Impact Report ("Final EIR") that incorporated the Draft EIR by reference and provided responses to public comments was prepared and distributed to the public on January 22, 2007; and

WHEREAS, San Bernardino Valley Municipal Water District discussed the Final EIR during its meeting on March 21, 2007 and provided the opportunity for the public to give comments on the Final EIR during that meeting;

NOW, THEREFORE, San Bernardino Valley Municipal Water District resolves as follows:

1. The Final EIR is hereby certified as being completed in compliance with the provisions of the California Environmental Quality Act and its implementing regulations.

2. The Final EIR was presented to the Board on January 22, 2007 and the Board discussed the contents of the Final EIR during its meeting on March 21, 2007.

3. The Board has reviewed and considered the information contained in the Final EIR prior to taking any action to approve or disapprove the Project.

4. Save as expressly modified in the Findings attached to Resolution No. 930, the Board hereby ratifies and adopts the conclusions of the Final EIR. The Final EIR represents the independent judgment and analysis of the Board.

ADOPTED this 21st day of March, 2007.

C. Patrick Milligan, President

ATTEST:

Steve Copelan, Secretary

(SEAL)

RESOLUTION NO. 930

A RESOLUTION OF THE BOARD OF DIRECTORS OF SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT ADOPTING FINDINGS AND THE MITIGATION MONITORING AND REPORTING PLAN, AND APPROVING THE SANTA ANA RIVER WATER RIGHT APPLICATIONS FOR SUPPLEMENTAL WATER SUPPLY

WHEREAS, San Bernardino Valley Municipal Water District and Western Municipal Water District of Riverside County have filed two separate applications (Application Nos. 31165 and 31370) with the State Water Resources Control Board to divert and put to beneficial use a total of up to 200,000 acre-feet of water per year from the Santa Ana River (the "Project");

WHEREAS, a Notice of Preparation for a Draft Environmental Impact Report ("Draft EIR") was prepared and released for public comment on July 12, 2002;

WHEREAS, the release of the Notice of Preparation initiated a 30-day public comment period that ended on August 31, 2002. During the public review period, a public scoping meeting was held on August 6, 2002, to receive agency and public comments regarding the scope of the environmental analysis for the EIR;

WHEREAS, a Draft EIR was prepared and circulated for public review and comment between October 14, 2004 and January 7, 2005;

WHEREAS, San Bernardino Valley Municipal Water District and Western Municipal Water District of Riverside County received written comments on the Draft EIR from organizations and public agencies;

WHEREAS, a Final Environmental Impact Report ("Final EIR") that incorporated the Draft EIR by reference and provided responses to public comments was prepared and distributed to the public on January 22, 2007;

WHEREAS, San Bernardino Valley Municipal Water District discussed the Final EIR during its meeting on March 21, 2007 and provided the opportunity for the public to give comments on the Final EIR during that meeting;

WHEREAS, the Board has, by means of Resolution No. 929, certified that the EIR has been prepared in full compliance with the terms of the California Environmental Quality Act;

WHEREAS, the Board has determined that the Project will result in the following benefits: (i) increased water supply reliability, (ii) expanded operational flexibility, (iii) additional cooperative water management, (iv) putting additional water to beneficial use, and (v) improved water quality;

WHEREAS, the Board has made written findings for each significant effect of the Project, and the Board has determined that the benefits of the Project outweigh any significant and unavoidable impacts on the environment, as stated in the Board's Statement of Overriding Considerations;

WHEREAS, the Board wishes to approve the Findings document, which includes the Statement of Overriding Considerations;

WHEREAS, the Board wishes to approve the Mitigation Monitoring and Reporting Plan, which includes all mitigation measures designed to substantially lessen or eliminate the Project's adverse impacts on the environment, as well as a plan for reporting obligations and procedures by parties responsible for implementation of the mitigation measures; and

WHEREAS, in light of the Board's findings regarding the Project's benefits and adverse impacts on the environment, the Board wishes to approve the Project;

NOW, THEREFORE, the Board of Directors of San Bernardino Valley Municipal Water District resolves as follows:

1. The Board hereby approves and adopts the Findings attached hereto as Attachment A, which are incorporated herein, pursuant to CEQA Guidelines §§ 15091, 15092 and 15093.

2. The Board hereby approves and adopts the Mitigation Monitoring and Reporting Plan, which is attached hereto as Attachment B and incorporated herein by reference.

3. The Board hereby approves the Project.

4. The Board hereby directs staff to take all other actions that may be necessary to divert water from the Santa Ana River, including, but not limited to, seeking appropriate regulatory permits.

ADOPTED this 21st day of March, 2007.

C. Patrick Milligan, President

ATTEST:

Steve Copelan, Secretary

(SEAL)

RESOLUTION 2468

RESOLUTION OF THE BOARD OF DIRECTORS OF WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY CERTIFYING THE FINAL ENVIRONMENTAL IMPACT REPORT FOR THE SANTA ANA RIVER WATER RIGHT APPLICATIONS FOR SUPPLEMENTAL WATER SUPPLY

WHEREAS, Western Municipal Water District of Riverside County and San Bernardino Valley Municipal Water District have filed two separate applications (Application Nos. 31165 and 31370) with the State Water Resources Control Board to divert and put to beneficial use a total of up to 200,000 acre-feet of water per year from the Santa Ana River (the "Project");

WHEREAS, a Notice of Preparation for a Draft Environmental Impact Report ("Draft EIR") was prepared and released for public comment on July 12, 2002;

WHEREAS, the release of the Notice of Preparation initiated a 30-day public comment period that ended on August 31, 2002. During the public review period, a public scoping meeting was held on August 6, 2002, to receive agency and public comments regarding the scope of the environmental analysis for the EIR;

WHEREAS, a Draft EIR was prepared and circulated for public review and comment between October 14, 2004 and January 7, 2005;

WHEREAS, Western Municipal Water District of Riverside County and San Bernardino Valley Municipal Water District received written comments on the Draft EIR from organizations and public agencies;

WHEREAS, a Final Environmental Impact Report ("Final EIR") that incorporated the Draft EIR by reference and provided responses to public comments was prepared and distributed to the public on January 22, 2007; and

WHEREAS, Western Municipal Water District of Riverside County discussed the Final EIR during its meeting on March 21, 2007 and provided the opportunity for the public to give comments on the Final EIR during that meeting;

NOW, THEREFORE, the Board of Directors of Western Municipal Water District of Riverside County resolves as follows:

1. The Final EIR is hereby certified as being completed in compliance with the provisions of the California Environmental Quality Act and its implementing regulations.

2. The Final EIR was presented to the Board on January 22, 2007 and the Board discussed the contents of the Final EIR during its meeting on March 21, 2007.

3. The Board has reviewed and considered the information contained in the Final EIR prior to taking any action to approve or disapprove the Project.

4. Save as expressly modified in the Findings attached to Resolution No. 2469, the Board hereby ratifies and adopts the conclusions of the Final EIR. The Final EIR represents the independent judgment and analysis of the Board.

ADOPTED this 21st day of March, 2007.

Donald D. Galleano,
President

ATTEST:

John V. Rossi
Deputy Secretary-Treasurer

(SEAL)

RESOLUTION 2469

A RESOLUTION OF THE BOARD OF DIRECTORS OF WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY ADOPTING FINDINGS AND THE MITIGATION MONITORING AND REPORTING PLAN, AND APPROVING THE SANTA ANA RIVER WATER RIGHT APPLICATIONS FOR SUPPLEMENTAL WATER SUPPLY

WHEREAS, Western Municipal Water District of Riverside County and San Bernardino Valley Municipal Water District have filed two separate applications (Application Nos. 31165 and 31370) with the State Water Resources Control Board to divert and put to beneficial use a total of up to 200,000 acre feet of water per year from the Santa Ana River (the "Project");

WHEREAS, a Notice of Preparation for a Draft Environmental Impact Report ("Draft EIR") was prepared and released for public comment on July 12, 2002;

WHEREAS, the release of the Notice of Preparation initiated a 30-day public comment period that ended on August 31, 2002. During the public review period, a public scoping meeting was held on August 6, 2002, to receive agency and public comments regarding the scope of the environmental analysis for the EIR;

WHEREAS, a Draft EIR was prepared and circulated for public review and comment between October 14, 2004 and January 7, 2005;

WHEREAS, Western Municipal Water District of Riverside County and San Bernardino Valley Municipal Water District received written comments on the Draft EIR from organizations and public agencies;

WHEREAS, a Final Environmental Impact Report ("Final EIR") that incorporated the Draft EIR by reference and provided responses to public comments was prepared and distributed to the public on January 22, 2007;

WHEREAS, Western Municipal Water District of Riverside County discussed the Final EIR during its meeting on March 21, 2007 and provided the opportunity for the public to give comments on the Final EIR during that meeting;

WHEREAS, the Board has, by means of Resolution No. 2468, certified that the EIR has been prepared in full compliance with the terms of the California Environmental Quality Act;

WHEREAS, the Board has determined that the Project will result in the following benefits: (i) increased water supply reliability, (ii) expanded operational flexibility, (iii) additional cooperative water management, (iv) putting additional water to beneficial use, and (v) improved water quality;

WHEREAS, the Board has made written findings for each significant effect of the Project, and the Board has determined that the benefits of the Project outweigh any significant and unavoidable impacts on the environment, as stated in the Board's Statement of Overriding Considerations;

WHEREAS, the Board wishes to approve the Findings document, which includes the Statement of Overriding Considerations;

WHEREAS, the Board wishes to approve the Mitigation Monitoring and Reporting Plan, which includes all mitigation

measures designed to substantially lessen or eliminate the Project's adverse impacts on the environment, as well as a plan for reporting obligations and procedures by parties responsible for implementation of the mitigation measures; and

WHEREAS, in light of the Board's findings regarding the Project's benefits and adverse impacts on the environment, the Board wishes to approve the Project;

NOW, THEREFORE, the Board of Directors of Western Municipal Water District of Riverside County resolves as follows:

1. The Board hereby approves and adopts the Findings attached hereto as Attachment A, which are incorporated herein, pursuant to CEQA Guidelines §§ 15091, 15092 and 15093.

2. The Board hereby approves and adopts the Mitigation Monitoring and Reporting Plan, which is attached hereto as Attachment B and incorporated herein by reference.

3. The Board hereby approves the Project.

4. The Board hereby directs staff to take all other actions that may be necessary to divert water from the Santa Ana River, including, but not limited to, seeking appropriate regulatory permits.

ADOPTED this 21st day of March, 2007.

Donald D. Galleano,
President

ATTEST:

John V. Rossi
Deputy Secretary-Treasurer

(SEAL)

FINDINGS

SANTA ANA RIVER WATER RIGHT APPLICATIONS FOR SUPPLEMENTAL WATER SUPPLY

I. INTRODUCTION

4-N aBN-BIUNH -22a NU3U-2g -5aB UWSB35 NU-NI g aWSaBN NU3U-2g -5aB UWSB35 HXRUpaBWUa H N5 g aWSaBN 3H22a35Upa2 NUg aWSaBN -Ba Ba/UHN-2 -5aB-/aN3UaW5e-5 -N-/a/BH NI -5aB-NI WBX3a -5aBW112UaWUN4-N aBN-BIUNH-NI RUpaBWUa 3H N5UaWUN 4H 5eaBN -2UXHBNU NUg aWSaBNe-pa X2aI -5aBBUe5-1123-5UHNW U5e 5ea 45-5a g -5aB RaWI B3aW HN5B2 H-B3 4g R 5HIUpaB5-NI 1 55H aNaX3U-2 Wa- 5H5-2HX 1 5H -3Ba Xaa5HX -5aB1aB a-B-X XBH 5ea 4-N5-, N-RUpaB 4, R 5ea B3a35 ea B3a35 3HNWW5WHX-22IUW3a5UHN-B -35UHNWNa3aWWB 5H3HNWaBpa IUpaB5 3HNpa -NI WSHBa5eUW -5aB XBH 5ea 4, R XHB aNaX3U-2 Wa UN32 IUN 5ea 3HNWSB35UHNHXNa X-3U25UaW5ea H1aB-5UHNHX Na -NI a UW5UN X-3U25UaW-NI -22Ba/ 2-5HB 1aB U5UN Ba UBaI XHBW3e 3HNWSB35UHN-NI H1aB-5UHNW

ea B3a35UWUN5aNIaI 5H-3eUdpa 5ea XH22H UN/ H a35UpaW

- TN3Ba-Wa -5aBW112 Ba2U-U25 BaI 3UN/ Ia1aNIaN3a HNU 1HB5aI -5aB
- apa2H1-NI Ia2UpaB-Na 2H3-2eU/e -25 2HN/ 5aB -5aBW112 5e-5UWNaaIaI 5H aa51-B5HX-N53U-5aI X5 BaIa -NIW-NI
- S 1-NI H1aB-5UHN-2X2a UU25 -IIUN/ UNXB-WSB35 Ba-NI p-BUN/ WI B3aWHX -5aB 5eaBa 1BHpUUN/ NUg aWSaBN U5e/Ba-5aB3-1- U25 5H -53ep-BUN/ W112 -NI Ia -NI

NU-NI g aWSaBN aBa H5e 3Ba-5aI UN 5H-IIBaWW5ea U -2-N3a a5 aaN-p-U2- 2a -5aB W112UaW-NI 5ea Ia -NIWHX-/BH UN/ 1H1 2-5UHNUN5ea TN2-NI S 1UBa-Ba- HX4H 5eaBN -2UXHBNU 1BHpUUN/ eH2aW2a U 1HB5aI -5aB5HBa5-U2W112UaBW NUeH2IW-3HN5B35XHB -5aBXBH 5ea 45-5a g -5aB B3a35 4g , W- a aB-/aN3 HX5ea a5BH1H25-Ng -5aB UWSB35HX4H 5eaBN -2UXHBNU a5BH1H25-N g aWSaBNBa3aUpaWU 1HB5aI -5aBXBH H5e 5ea 4g -NI H2HB-IHRUpaB TN-IIU5UHN5HU 1HB5UN/ WBX3a -5aB5H5ea Ba/UHN NUg aWSaBN -Ba BaWHNWU2a XHB -N-/UN/ 5ea H1aB-5UHNHX/BH NI -5aB -WUNWUN32 IUN/ 5ea 4-N aBN-BIUNH -WUN, Ba- 4 , /BH NI -5aB -WUN U5eUN5eaUBBaWa35Upa WBpU3a-Ba-WI BW-N55H5ea I/aN5WUN *Orange County Water District v. City of Chino et al.* -Wa H , 1B2 *Orange County* I/aN5 -NI *Western Municipal Water District of Riverside County v. East San Bernardino County Water District,* -Wa H , 1B2 *Western* I/aN5

ea *Orange County* -NI *Western* I/aN5WBa3H/NUaI 5e-5X5 Ba 1H1 2-5UHN/BH 5e UN5ea TN2-NI S 1UBa H2I Ba UBa Na -5aBW112UaW MHB5eUWBa-WHN 5ea *Orange County* I/aN5 -5eHBUaW NUg aWSaBN5H aN/-/a UN N2U U5aI -5aB3HNWaBp-5UHN-35UpU5UaWUN32 IUN/ WBa-IUN/ U 1H NI UN/ -NI H5eaB a5eHIW ea *Western* I/aN5-2WI3HN5a 12-5aW5e-5

NUg aWSaBN U223HNWSB35Na HB W-NI X3U25UaW5e-5 U22Ba3e-B/a/BHNI -5aB -WDNW TN 5eaWa - W5ea BHa35UW-NaXXHB55HU 12a aN55ea I/ aN5W

II. PROJECT DESCRIPTION

ea BHa35 H 21 3-15 Ba -5aBXBH 5ea 4-N5-, N-RUpaB-NI 1 55e-5 -5aB5HBa-WN- 2a-NI aNaX3U-2 WaUN5ea NUg aWSaBNWaBpU3a-Ba-5eBH/e IUBa35 Wa/BHNI -5aBBa3e-B/a HB a 3e-N/a NUg aWSaBNe-pa5ea-U25 5H3HHB UN-5a5ea WaHX -5aB3HNpa-N3a X3U25UaWHN -2HB-2-NI Ba/UHN-2 -WDW NUg aWSaBNIHNH51BHIHWa5Ha 1HB5 -5aBXHB WaH 5WUa5eaUB WaBpU3a-Ba-W,N -5aB3HNpa aI H 5WUa5ea WaBpU3a-Ba-W H 21 a Ba5 BNaI pU-a 3e-N/a-W WHN-WIB3553-2

S UWSUN X3U25UaW H 21 a WaI 5H5ea a 5aN51HWWU2a5HIUpaB5-NI 3HNpa Na 2-11BHIB-5aI -5aBXBH 5ea 4-N5-, N-RUpaB BHa35Ba2-5aI X3U25UaW H 21 a IaWUNaI 5H3HNNa35a UWSUN X3U25UaW U5e Na HB HIUXdaI X3U25UaWWH5e-5W112a aN5-2 -5aBW112daW3-N aaXX3UaN52 WaI 5H aa52HB-2NaaIW a 1BHa35Ba2-5aI X3U25UaW H 21 a 3HNWSB35aI HBa UWSUN HNaW HIUXdaI UNXH B-Ba-WUaN5UXdaI a2H

- ea 4apaN - W - -NI RaWBpHUB HNWSB35UHN, Ba-UN32IaW HIUX3-5UHNHX5ea UN5-a WSB35BaHX4apaN - W - -NI Ba2HB-5UHNHX5ea-33aWWBH-I WaBpUN 5ea UN5-a WSB35Ba
- ea 4-N5-, N-RUpaB HNWSB35UHN, Ba-UN32IaW5ea 2N/a HH2 H M2H HNNa35HB -NI HBBHN -N HN HNNa35HBTT1Ua2DNaW, 22HX5eaWa-Ba Na X3U25UaW-NI -Ba 2HB-5aI -55ea H 5eHX5ea 4-N5-, N-RUpaB3-N HN
- ea apU2 -N HN HNWSB35UHN, Ba-UN32IaW5ea Na apU2 -N HN -WW Ua2DNa
- ea H aB 52a Baa HNWSB35UHN, Ba-UN32IaW5ea Na H aB 52a Baa Ua2DNa -NI -35 W -WDNW Ua2DNa

, aB-21eHBH/B1eWWeH UN 5ea 2HB-5UHNWHX5eaWa X3U25UaW-Ba XH NI -5MU BaW 5H HX5ea B-XSSTR

III. ENVIRONMENTAL REVIEW OF THE PROJECT

BW-N55H5ea -2DXHBNU SNpUBHN aN5-2 -215, 35 213 RaWH BaW HIa *et seq* -NI 5ea S, /UIa2DNaW -2 HIa Ra/W U5 *et seq.* 3H22a35Upa2 S, -N STR -WIBa1-BaI 5H-N-2 a5ea aNpUBHN aN5-2aXXa35WHX5ea BHa35 ea B-XSSTR -W 3UB 2-5aI XHB1 213 Bapla -NI 3H aN5-NI -33HB-N3a U5e S, MHB1 BHHWaWHX S, NUg aWSaBN-Ba 3H2a-I -/aN3UaWXHB5ea STR

NUg aWSaBN3HNI 35aI -5eHBH/e 1 213 H 5Ba-3e aXXHB5I BUN 5ea aNpUBHN aN5-2Bapla 1BHBaWW ea UN5U-2Ia3UWHN5H1Ba1-Ba-NSTR XHB5ea BHa35 -W -IaXH2H UN 3H 12a5UHNHX -NTN5U-245I, H5U3aHX Ba1-B5UHN UN32IUN 5ea UN5U-2WI -WIUWSBU 5aI 5H 5ea -2DXHBNU45-5a 2a-BUNeH Wa-NI H5eaB1H5aN5U-22 UN5aBaWSaI 1-B5aWDN 2 ea Ba2a-WaHX5ea UN5U-5aI - I- 1 213 3H aN51aBBH 5e-5aNIaI HN, /W

MDNI UN WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

BUN 5ea 1 213 Bapla 1aBHI - 1 213 W9HIUN aa5UN -We a2I UN5ea U5 HX4-N aBN-B UNHHN, / W9 5HBa3alpa -/aN3 -NI 1 213 3H aN5WBa/-B UN 5ea W9HIa HX5ea aNpUBHN aN5-2-N-2 WUWXHB5ea STR H aN5WHN5ea -NI TN5U-245 I aBa Ba3alpaI XBH W9-5a -/aN3laWBa/UHN-2-NI 2HB-2/HpaBN aN5-2-/aN3laWBa/UHN-2- 5eHB5laW-NI NHN /HpaBN aN5-2HB-NU-5UHNW NUg aW9aBN3HNWIaBaI 5ea 3H aN5WBa3alpaI UNBaXCNUN 5ea W9HIa HX-N-2 WUWXHB5ea STR

ea B-X9STR -WBa2a-WaI UN 35H aBHX U5e - I- Bapla 1aBHI 1 BW-N55H S , UIa2UNaW ea Bapla 1aBHI HB/UN-22 W9eaI 2aI 5H32HWaHN a3a aB -W a 5aNIaI 5H a3a aB -NI a 5aNIaI -/-UN5H -N NUg aW9aBNea2I 5ea XH2H UN 1 213 H 5Ba-3e aa5UN WHN5ea B-X9STR

Public Meetings Held During the CEQA Process

Date	Event
, / W9	43HIUN aa5UN -5 -5UHN-2 B-N/a 4eH
a3a aB	aa5UN U5e 45-5a g -5aBRaWI B3aW HN5BH2 H-B
Hpa aB	aa5UN U5e 5ea U5 HXRUpaBWIa
Hpa aB	aa5UN U5e 5ea -2UXHBNU- a1-B5 aN5HXMUW - a aa5UN U5e S2WUNHBa -22a g -5aB UW5B35
Hpa aB	213 aa5UN HN B-X9STR-5g aW9aBN
Hpa aB	213 aa5UN HN B-X9STR-5 NU aa5UN U5e HB-241HNWIBW B-N/a HN5 M2HHI HN5BH2 UW5B35 RUpaBWIa HN5 M2HHI HN5BH2-NIg -5aB HNWaBp-5UHN UW5B35-NI 4-N aBN-B UNH HN5 M2HHI HN5BH2 UW5B35
a3a aB	aa5UN U5e 45-5a g -5aBRaWI B3aW HN5BH2 H-B
a3a aB	aa5UN U5e 4 MHBaW94aBpU3a
a3a aB	aa5UN U5e 4 MUW g U212Xa 4aBpU3a 11aB4-N5-, N- RUpaBg -5aBRaWI B3aW, WWB3U-5UHN
a3a aB	aa5UN U5e 4 , B HBIWHXSN/UNaaBW
Ma B-B	aa5UN U5e 5ea -2UXHBNU- a1-B5 aN5HXMUW - a

MNIUN/WESTR XHB4-N5-, N- RUpaBg -5aBRU e5, 1123-5UHNW
-B e

Tg S4 SR S T T -/a

35H aB	aa5UN U5e 4 MHBaW4aBpU3a

IV. DESCRIPTION OF THE RECORD

MHB1 BIHWaWHX S , -NI 5eaWa MDNIUN W5ea Ba3HB aXHBa 5ea NUg aW5aBN H-BIWHX UBa35HBWUW3H 1HWaI HX-22NHN1BpU2a/aI IHB aN5WBa2-5UN 5H5ea BHa35UN NUg aW5aBN W X2aWHN5eUW -55aBUN32IUN U5eH 52U U5-5UHN

A. , 22-1123-5UHNWXHB-11BHp-2WBa2-5aI 5H5ea BHa35 UN32IUN g -5aBRUe5 , 1123-5UHN HW -NI eU3e -Ba 3 BaN52 1aNIUN aXHBa 5ea 4g R

B. ea H53a HX Ba1-B5UHN-NI TN5U-245 I 1Ba1-BaI XHB5ea BHa35

C. ea B-X5STR XHB5ea 4-N5- , N- RUpaBg -5aBRUe5, 1123-5UHNWXHB4 112a aN5-2 g -5aB4 112 -NI -22-11aNIU3aW5H5ea B-X5STR

D. ea MDN-2STR XHB5ea 4-N5- , N- RUpaBg -5aBRUe5, 1123-5UHNWXHB4 112a aN5-2 g -5aB4 112 -NI -22-11aNIU3aW5H5ea MDN-2STR

E. ea U5U-5UHN HN5HBUN -NI Ra1HB5UN 2-N R -55-3eaI -W, 55-3e aN5, 5H 5eaWa MDNIUN W

F. ea *Orange County* -NI *Western* I/ aN5W5HYa5eaB U5e -22-/Baa aN5W U 12a aN5UN 5ea 5aB WHX5eHWa I/ aN5W

G. , 22W5-XXBa1HB5W-NI 1BaWaN5-5UHN -5aBU2WBa2-5aI 5H5ea BHa35 UN32IUN UN5aBN-2 Ba1HB5W-NI -N-2 WaWIBa1-BaI 3HNW25-N5W5H NUg aW5aBN

H. , 22W5IUaW3HNI 35aI XHB5ea BHa35-NI 3HN5-UNaI UN HBBaXaBaN3aI W5-XXBa1HB5W 5ea B-X5STR 5ea MDN-2STR HB5ea R

I. , 221 213 Ba1HB5W-NI IHB aN5WBa2-5aI 5H5ea BHa351Ba1-BaI XHB NUg aW5aBN HBH5eaB-/aN3UaW

J. , 221 213 Ba1HB5W-NI IHB aN5WBa2-5UN 5H -5aBW112aW-NI -5aB -215 UN5ea 4-N5- , N- RUpaB -5aBWaI

K. , 22IHB aN5-B -NI HB-2apUUaN3a Ba3aUpaI -NI Bapla aI -51 213 ea-BUN W aa5UN W-NI HB WaHIWBa2-5aI 5H5ea BHa35 5ea B-X5STR 5ea MDN-2STR HB5ea R

L. , 22-2HB-22 -IHI5aI 2-NI Wa 12-NW-NI HB UN-N3aWUN32IUN U5eH 52U U5-5UHN /aNaB-212-NWWa3UX3 12-NW-NI HB UN-N3aW5H/a5eaB U5e aNpUBHN aN5-2Bapla IHB aN5WXDNIUN W U5U-5UHN HN5HBUN 1BH/B- W-NI -22H5eaBIHB aN5-5UHN Ba2ap-N55H12-NNaI /BH 5e UN5ea -Ba-

M. , 22 B-N -5aB -N-/a aN512-NWUN5a/B-5aI BaWHB3a -5aB -N-/a aN512-NWHB H5eaBWU U2-B -5aBW112 Ia -NI 12-NWIapa2HIaI 2HB-2HBW5-5a-/aN3UaW

N. , 22Ra1HB5WIBa1-BaI 5ea B-N/a H N5 -NI g aW5aBN4-N aBN-B UNH g -5aB -W5aB H U55aaW

O. , 22-/Baa aN5WaN5aBaI UN5H NUg aW5aBN5e-5Ba2-5a 5H5ea 4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW-NI 5ea *Orange County* -NI *Western* I/aN5W

P. , 22H5eaB1 23 Ba1HB5W-NI IHB aN5WBa2-5UN 5H5ea BHa355e-5 aBa WaI NUg aW5aBNW5-XXHB3HNW25-N5WUN5ea 1Ba1-B-5UHNHX5ea B-X5STR 5ea MDN-2STR HB5ea R -NI

Q. , 22H5eaBIHB aN5WNH5H5eaB UWaUN32 IaI - Hpa Ba UBaI 23 RaWHIB3aW HIa Wa35UHN

V. GENERAL FINDINGS

A. Certification of the Final EIR

TN-33HB-N3a U5e S , NUg aW5aBNe-pa 3HNWUaBaI 5ea aXXa35WHX5ea BHa35HN5ea aNpUBHN aN5-WWeH NUN5ea B-X5-NI MDN-2STRW-NI 5ea eH2aHX5ea -I UNUW5B-5Upa Ba3HB 1BUHB5H5- UN/-N-35UHNHN5ea BHa35 ea MDN-2STR -WIBaWaN5aI 5H5ea NUg aW5aBN H-B WHX UBa35HBW-NI Ba2a-WaI XHB1 23 BapUa HN-N-B ea UBa35HBWHX H5e NUg aW5aBNe-pa BapUa aI-NI 3HNWUaBaI 5ea B-X5-NI MDN-2STRW-NI 5ea UNXHB -5UHN Ba2-5UN 5H5ea aNpUBHN aN5-2U 1-35WHX5ea BHa353HN5-UNaI UN5eHWaIHB aN5W-NI 3aB5UX 5e-5 5ea STR e-WaaN1Ba1-BaI -NI 3H 12a5aI UN3H 12L-N3a U5e S , 5eaWa MDNI UN/W5ea NUg aW5aBN H-B WHX UBa35HBWB-5UX -NI -IH155ea 3HN32 WHNWHX5ea MDN-2STR -WWa5XHB5e UN5eaWa MDNI UN/Wa 3a15 eaBaW3e 3HN32 WHNW-BaWa3UX3-22 HIUXaI 5eaWa MDNI UN/W ea MDN-2STR -NI 5eaWa MDNI UN/WBa1BaWaN55ea UNIa1aNIaN5 I/aN5-NI -N-2 WWHX5ea H-B W HX UBa35HBW

B. Changes to the Draft EIR

TN5ea 3H BWaHXBaWHNI UN/5H3H aN5WBa3aUpaI I BUN/5ea 1 23 BapUa -NI 3H aN51aBUHI HN5ea B-X5STR 3aB5-UN1HB5UHNWHX5ea B-X5STR e-pa aaN HIUXaI -NI Na UNXHB -5UHNe-W aaN-IIaI HUNXHB -5UHNe-WBapa-2aI 5ea a UW5aN3a HX -WUNUX3-N5Na aNpUBHN aN5-2 U1-355e-5 H21 BaW25XBH 5ea BHa35HB-N-IH15aI U5U-5UHN a-WBa -W W5-N5U-2 UN3Ba-WaUN5ea WapaB5 HX-NaNpUBHN aN5-2U1-35 -Xa-WU2a1BHa35-25aBN-5Upa HB U5U-5UHN a-WBaNH5-IH15aI 5e-5UW3HNWUaB3 2 IUXaBaN5XBH H5eaBW-N-2 aI UN5ea B-X5 STR 5e-5 H21 32a-B2 2aWaN5ea WUNUX3-N5aNpUBHN aN5-2U1-35WHX5ea BHa35HB UNXHB -5UHN5e-5UNU3-5aW5e-55ea 1 23 -WIa1BapaI HX- a-NUN/X2HI1HB5N5 5HBapUa -NI 3H aN5HN5ea B-X5STR HNWa aN52 NUg aW5aBNXUNIW5e-55ea - 12UX3-5UHNW-NI 32-BUX3-5UHNW -Ia 5H5ea B-X5STR UN5ea MDN-2STR IHN-H53H2a35Upa2 HBUNIUpUU -22 3HNW5-5a WUNUX3-N5Na UNXHB -5UHN U5eUN5ea a-NUN/HX 23 RaWHIB3aW HIa -NI S , UIa2UNaW Ra3UB3 2-5UHNHX5ea B-X5STR HB-N 1HB5UHN5eaBaHX UW 5eaBaXHBa NH5Ba UBaI

C. Evidentiary Basis for Findings

ea W MDNI UN W-Ba -WaI 1HNW W5-N5U-2apUaN3a UN5ea aN5UBa Ba3HB aXHBa5ea NUg aW5aBN H-B WHX UBa35HBW ea BaXaBaN3aW5H5ea B-X5STR-NI MDN-2STR Wa5XHB5e UN5ea MDNI UN W-Ba XHBa-Wa HXBaXaBaN3a-NI -Ba NH5UN5aNIaI 5H1BHpUa-Na e- W5pa2W5HX5ea apUaN3a Ba2aI 1HNXHB5ea W MDNI UN W

D. Findings Regarding Mitigation Measures

U5U-5UHN a-WBaW, IH15aI S 3a15-WH5eaB UWa NH5aI 5ea U5U-5UHN a-WBaWeaBaUNBaXaBaN3aI -Ba 5eHWa UaN5UXaI UN5ea MDN-2STR-NI -IH15aI 5ea H-B WHX UBa35HBWWa5XHB5e UN5ea R

T 1-35, XaBT 12a aN5-5UHNHX U5U-5UHN a-WBaW S 3a15-WH5eaB UWa W5-5aI UN5eaW MDNI UN WUN-33HB-N3a U5e S , Ua2DNaW 5ea H-B WHX UBa35HBWXDNI 5e-5aNpUBHN aN5-2aXXa35WHX5ea B-Ha35 U22NH5 a WUNUX3-N5HB U22 a U5U-5aI 5H-2aWW5e-NWUNUX3-N52apa2 5ea -IH15aI U5U-5UHN a-WBaW NUg aW5aBNe-pa W W5-N5U-22 2aWaNaI HBa2U UN-5aI -22WUNUX3-N5 aNpUBHN aN5-2aXXa35W eaBa Xa-WU2a ea H-B WHX UBa35HBWe-pa Ia5aB UNaI 5e-5-N Ba -UNUN WUNUX3-N5aXXa35WHN5ea aNpUBHN aN55e-5-Ba XH NI 5H a N-pHUU-2a NIaB S , Ua2DNaW -NI -Ba-33a15-2aI a 5H HpaBBUUN 3HNWUaB-5UHNW-WIaW5BUaI UN S , Ua2DNaW eaW HpaBBUUN 3HNWUaB-5UHNW3HNWW5HXWa3UX3 aNpUBHN aN5-2a3HNH U3 2a/-2 WB5U-2 5a3eNH2H/U3-2-NI H5eaB aNaX5WHX5ea B-Ha35 eU3e W5UX-11BHp-2HX 5ea B-Ha35-NI H 5 aUe 5ea N-pHUU-2a-IpaBWaNpUBHN aN5-2aXXa35WHX5ea B-Ha35-W HBa X22 W5-5aI UN4a35UHN 45-5a aN5HX paBBUUN HNWUaB-5UHNW S 3a15-WH5eaB UWa W5-5aI UN5eaW MDNI UN W5ea H-B WHX UBa35HBWXDNI 5e-55ea U5U-5UHN a-WBaWUN3HBHB-5aI UN5H-NI U 1HWaI 1HN 5ea B-Ha35 U22NH5e-pa Na WUNUX3-N5aNpUBHN aN5-2U 1-35W5e-5 aBa NH5 -N-2 aI UN5ea B-X5STR

E. Location and Custodian of Records

BW-N55H 213 RaWH B3a HIa NU-NI g aW5aBN-Ba 5ea 3 W5HIU-NWHX5ea IH-B aN5W-NI H5eaB -5aBU-25e-53HNW5 5a 5ea Ba3HB HX1BHBaaI UN W 1HN eU3e 5ea Ia3UWHN UW-WaI -NI W3e IH-B aN5W-NI H5eaB -5aBU-2W-Ba2H-5aI -5 NUWHXX3aW 4H 5e S 45Baa5 4-N aBN-B UNH , -NI -5g aW5aBN WHXX3aW , 2aWWNIBH 2pI RUpaBWUa , HIUaWHX5ea MDN-2STR-Ba-2WI-p-U2-2a XHBBapUa -5p-BUH WI 213 2UB-BaW U5eUN4-N aBN-B UNH-NI RUpaBWUa H N5aW-NI HN5ea NU-NI g aW5aBN a W5aW Wp I 3H -NI I 3H BaWa35Upa2

VI. FINDINGS REGARDING LESS THAN SIGNIFICANT ENVIRONMENTAL IMPACTS

ea B-X5STR UaN5UXaI 5ea XH2H UN 1H5aN5U-2U 1-35WHN5ea aNpUBHN aN55e-5-Ba aU5eaB U Iaa aI NH55H a WUNUX3-N5-NI Ba UBa NH U5U-5UHN a-WBaWHB UUIaa aI 5H a 1H5aN5U-22 WUNUX3-N5 5 U22e-pa 2aWW5e-NWUNUX3-N5U 1-35W U5e 5ea U 12a aN5-5UHNHX-11BHIB-U5a

U5U-5UHN a-WBaW ea H-B WHX UBa35HBWXDN 1 BW-N55H5ea 213 RaWH BaW H a
-N S , Ua2DNaW 5e-53e-N/aWHB-25aB5UHNWe-pa aaNBa UBaI UN
HBUN3HBHB5aI UN5H5ea BHa35-WNaaIaI 5H-pHU HB2aWaN5eaWa 1H5aN5U22 WUNXD3-N5U 1-35W
UaN5UXaI UN5ea B-X5STR 5H2apa2W a2H 5ea 5eBaWH2I WHXWUNXD3-N3a UaN5UXaI UN5ea B-X5
STR

A. Surface Water Hydrology and Water Quality

BHa35 HNWSB35UHN

- 4apaN - W - -N RaWaBpHUB HNWSB35UHN, Ba-

S T 12a aN5-5UHNHXWa-WAN-23HNWaBp-5UHNWSHB/a H 21
UN32Ia HIUXD3-5UHNHX5ea 5B-WaB3 HXUN5- a WSB35Ba -N IB22UN UN5H
aIBHB 5H1BHpUa-IIU5UHN-2-N3eHBWXHB5ea WSB35Ba eaWa-35pU5UaW
- BaW25UNWUNXD3-N5U 1-35W-WAWBU-5aI U5e WaIU aN5-5UHN-N
aBHWAHN-55ea -WaHX5ea I- 4 WSN5U-2aBHWAHN - -2WAHB3 BI BUN
5eaWa WaHB5aB 3HNWSB35UHN-35pU5UaW5eBH/e 5ea WaHX aB W5HIUpaB5
-5aBXBH

- H5aN5U2T 1-35 ea BHa353H 21 BaW25UNWaIU aN5-5UHN-N
aBHWAHN-55ea -WaHX5ea 4apaN - W - ea 1H5aN5U2U 1-35W
HX5ea BHa35HNWaIU aN5-5UHN-N aBHWAHN-55ea -WaHX5ea I-
-BaIUW WaIUN5ea B-X5STR-51-/aW -N -N

T 1-35 BUHB5H U5U-5UHN H5aN5U22 WUNXD3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHB5a U5U-5UHN
a-WBa S UN4a35UHN -N HX5ea B-X5
STR eU3e U22aNWBa5e-5 aXHBa a/UNNUW 3HNWSB35UHN-
WaIU aN5-5UHN-N aBHWAHN3HN5BH212-N -N - 45HB g -5aB
H22 5UHN BapaN5UHN 2-N 4g U22 a 1Ba1-BaI
NUg aW5aBN-N W U55aI 5H5ea 4-N5-, N- RUpaBg -5aB -215
HN5BH2 H-B 4, Rg XHB-11BHp-2 g eaBa 1HWU2a
aBHWAHN3HN5BH2 a-WBaW U22 a U 12a aN5aI NUg aW5aBN
aXHBa a/UNNUW HB UN5ea B-UN Wa-WAN-N 5H UNU Ua WaHB5
5aB U 1-35W-WAWBU-5aI U5e aBHWAHN-N HXXW5a W25-5UHNHX5ea
4, R 45-N-B aBHWAHN-N WaIU aN53HN5BH2Xa-5 BaW U22 a WaI
I BUN -N U aIU-5a2 -X5aB/BIUW -N a 3-p-5UHN , 4g
UW-Ba UBa aN5HX5ea aNaB-2 HNWSB35UHN45HB -5aB -5UHN-2
H22 5-N5 UW5e-B a S2U UN-5UHN4 W5a S4 aB U5

I MUNIUN/W T5UW N2Ua2 5e-55ea I a H25UHN-N HIUXD3-5UHNHX5ea
5B-WaB3 Wa35UHNHX5ea UN5- a WSB35Ba U22IUW5e-B a I a BUWUN5H
WBX3a -5aBXBH WTN5ea N2Ua2 apaN55e-5aBHWAHN-N
WaIU aN5-5UHNIHaW-B3 B5ea U 12a aN5-5UHNHXWaIU aN5-5UHN

MUNIUN/WE STR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW
-B e

Tg S4 SR S T T -/a

-NI aBHWBHN3HN5BH2 a-WBaWBa UBaI NIaB S U22
UNU Ua aBHWBHNBa2-5aI U 1-35W, N Ba -UNUW U 1-35W U22 a
2aWW5e-NWUNUX3-N5

a HN32 WBHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNWaI U aN5-5UHN
-NI aBHWBHNUW2aWW5e-NWUNUX3-N5

S 4 W5-N5U-2aBHWBHN-NI WaI U aN5-5UHN - H33 BI BUW
/BIUW -NI a 3-p-5UHN-WW3U-5aI U5e 3HNWSB35UHNHXNa -33aWWBH-IW
-5I- -NI U aIU-5a2 1W5Ba-

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UNWaI U aN5-5UHN-NI
aBHWBHNI BUW /BIUW -NI a 3-p-5UHNHXNa -33aWWBH-IW ea
1H5aN5U-2U 1-35WHX5ea BHa35HNaBHWBHN-NI WaI U aN5-5UHN
3- WaI /BIUW -NI a 3-p-5UHN-35pU5aW-WW3U-5aI U5e
3HNWSB35UHNHXNa -33aWWBH-IW-55ea I- -NI U aIU-5a2
1W5Ba- -BaIUW WaI UN5ea BXSSTR-51-/aW -NI
-NI UN5ea MUN-2STR-51-/a

T 1-35 BUHB3H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN
a-WBa S UN4a35UHN -NI HX5ea BXS
STR eU3e U22aNWBa5e-5 aXHBa a/UNNUW 3HNWSB35UHN-
WaI U aN5-5UHN-NI aBHWBHN3HN5BH212-N-NI -4g U22 a
1Ba1-BaI NUg aW5aBN-NI W U55aI 5H5ea 4, Rg XHB
-11BHp-2 g eaBa1HWWU2a aBHWBHN3HN5BH2 a-WBaW U22 a
U12a aN5aI NUg aW5aBN aXHBa a/UNNUW HB UN5ea BIUN
Wa-WHN-NI 5H UNU Ua WeHB55aB U1-35W-WW3U-5aI U5e
aBHWBHN-NI HXXW5a W25-5UHNHX5ea 4, R W5-NI-BI aBHWBHN-NI
WaI U aN53HN5BH2Xa-5BaW U22 a WaI I BUW -NI U aIU-5a2
-X5aB/BIUW -NI a 3-p-5UHNW, 4g UW-Ba UBa aN5HX5ea
aNaB32 HNWSB35UHN45HB -5aB S4 aB U5

I MUNIUW W NUg aW5aBNe-pa a2U UN-5aI XBH 5ea BHa355ea
Ba2HB-5UHNHX- U2a Wa35UHNHX5ea 4 S-33aWWBH-I U1-35W
XBH 5eUWa2a aN5IUW WaI UN5ea BXSSTR U225eaBaXHBa NH
2HNWaBHB3 B T 12a aN5-5UHNHXaBHWBHN3HN5BH2 a-WBaW
Ba UBaI S I BUW 3 5-NI X22/BIUW HIaB-5UHNW U22
UNU Ua aBHWBHNBa2-5aI U1-35W5H-2aWW5e-NWUNUX3-N52apa2

a HN32 WBHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNWaI U aN5-5UHN
-NI aBHWBHNUW2aWW5e-NWUNUX3-N5

4-N5-, N-RUpaB HNWSB35UHN, Ba-

S 4 W5-N5U-2aBHWBHN-NI WaI U aN5-5UHN - H33 BI BUW

MUNIUW WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

/B-IUV -Na 3-p-5UHN-35ipU5daW-WWBU-5aI U5e 3HNWSB35UHNHXNa
1Ua2DNaW-Na Ba2-5aI -11 B5aN-N3aWBaW25UV UN1H5aN5U-22 WUNUX3-N5
U 1-35W

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UNaBHWHN-Na
WaI U aN5-5UHNBa2-5aI 5H/B-IUV -Na 3-p-5UHNHXNa 1Ua2DNaW
-Na Ba2-5aI -11 B5aN-N3aW ea 1H5aN5U-2U 1-35WHX5ea BHa35HN
aBHWHN-Na WaI U aN5-5UHNI BUV /B-IUV -Na 3-p-5UHN-35ipU5daW
-WWBU-5aI U5e 3HNWSB35UHNHXNa 1Ua2DNaW-Na Ba2-5aI
-11 B5aN-N3aW-Ba I UW WaI UN5ea B-XS STR -51-/aW -Na

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB-5a U5U-5UHN
a-WBa S UN4a35UHNW -Na HX5ea
B-XS STR eU3e U22aNWBa5e-5 aXHBa a/UNNUV 3HNWSB35UHN
NUg aW5aBN U221Ba1-Ba -Na W U55H5ea 4, Rg XHB
-11BHp-2 - WaI U aN5-5UHN-Na aBHWHN3HN5BH2 12-N -Na - 4g
g eaBa 1HWU2a aBHWHN3HN5BH2 a-WBaW U22 a U 12a aN5aI
NUg aW5aBN aXHBa a/UNNUV HB UN5ea B-UN Wa-WHN5H
UNU Ua WeHB55aB U 1-35W-WWBU-5aI U5e aBHWHN-Na HXXW5a
W25-5UHNHX5ea 4, R 45-Na-B aBHWHN-Na WaI U aN53HN5BH2
Xa-5 BaW U22 a WaI I BUV -Na U aIU-5a2 -X5aB/B-IUV -Na
a 3-p-5UHNW, 4g UW-Ba UBa aN5HX5ea aNaB-2
HNWSB35UHN45HB -5aB S4 aB U5

I MUNUNV WT 12a aN5-5UHNHXaBHWHN3HN5BH2-Na -5aB -215
1BH5a35UHN a-WBaWBa UBaI S I BUV 3HNWSB35UHN
U22BaI 3a aBHWHNBa2-5aI U 1-35WUN5ea 4-N5-, N-RUpaB
HNWSB35UHN, Ba-5H-2apa2HX2aWW5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNWaI U aN5-5UHN
-Na aBHWHNUW2aWW5e-NWUNUX3-N5

S UW5e-B a HX/BH Na -5aBXBH Ia -5aBUV a22W3H 2I
3- WaWeHB55aB WaI U aN5W3H B-Na aBHWHN-51HUN5HXIUW5e-B a

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UNWaI U aN5W3H B-Na
aBHWHN-55ea 1HUN5HXIUW5e-B a ea 1H5aN5U-2U 1-35WHX5ea
BHa35HNWeHB55aB WaI U aN5W3H B-Na aBHWHN3- WaI -Ba
IUW WaI UN5ea B-XS STR -51-/aW -Na -Na

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB-5a U5U-5UHN
a-WBa S UN4a35UHN -Na HX5ea B-XS

MUNUNV WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B e

Tg S4 SR S T T -/a

STR -NI 1-/a HX5ea MDN-2STR eU3e U22aNWBa5e-51BUHB
5HIa -5aBDV a22WI BDV a 3-p-5UHN-35pU5daW NUg aW5aBN
U22IUBa355ea 3HN5B-35HB5HUNW5-22aNaB IUWWI-5UHNIapU3aW-5
IUW5e-B a 1HUN5W5H1BapaN5aBHWHN 4aIU aN5-5UHN -WDNW U22 a
WaI -5Ia -5aBDV IUW5e-B a 1HUN5W5H1BapaN5a 3aWWIH NW5Ba-
WaIU aN5-5UHN ea -WDNW U22 a 3HNW5B35aI aXHBaIa -5aBDV
-NI Ba/ 2-B2 -UN5-UNaI I BDV 3HNW5B35UHN UN32IUV -X5aBW5HB
apaN5W5H aa15ea UN/HHI HB UV HBaB, HN5HB U22paBX
aXXa35Upa HIaB-5UHNHXaNaB IUWWI-5UHNXa-5 BaWI BDV
Ia -5aBDV

I MDNIUV W TNW5-22-5UHNHXaNaB IUWWI-5UHNIapU3aWIBUHB5H
Ia -5aBDV -35pU5daW U221B4pUa-11BH1B-5a aB4WHN3HN5B42
a-WBaWI BDV a 3-p-5UHN-35pU5daW5e-5UNp42pa Ia -5aBDV
a22W-NI U22BaI 3aU 1-35W5H-2aWW5e-NWUNUX3-N52apa2, N
Ba -UNUV U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea B4a35HN1H5aN5U-2
WaIU aN5-5UHN-NI aB4WHN UW2aWW5e-NWUNUX3-N5

3 apU2 -N HN HNW5B35UHN, Ba-

S 4 W5-N5U-2aB4WHN-NI WaIU aN5-5UHN - H33 BI BDV
/B4IUV -NI a 3-p-5UHN-35pU5daW-WW5BU-5aI U5e 3HNW5B35UHNHXNa
1UIa2UNaW-NI Ba2-5aI -11 B5aN-N3aWBaW25UV UNWUNUX3-N5U 1-35W

- H5aN5U-2T 1-35 ea B4a353H 2I BaW25UNaB4WHN-NI
WaIU aN5-5UHNI BDV /B4IUV -NI a 3-p-5UHNHXNa 1UIa2UNaW
ea 1H5aN5U-2U 1-35WHX5ea B4a35HNaB4WHN-NI WaIU aN5-5UHN
-BaIUW WaI UN5ea B4X5STR-51-/aW -NI

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea B4a35 U22UN3HB4HB4-5a U5U-5UHN
a-WBa S UN4a35UHN -NI HX5ea B4X5
STR eU3e U22aNWBa5e-5 aXHBa a/UNNUV 3HNW5B35UHN
NUg aW5aBN U221Ba1-Ba -NI W U55H5ea 4, Rg XHB
-11B4p-2- WaIU aN5-5UHN-NI aB4WHN3HN5B42 12-N -NI -4g
g eaBa 1HWWU2a aB4WHN3HN5B42 a-WBaW U22 aU 12a aN5aI
NUg aW5aBN aXHBa a/UNNUV HB UN5ea B4UN Wa-WN -NI 5H
UNU Ua WeHB5aB U 1-35W-WW5BU-5aI U5e aB4WHN-NI HXXW5a
W25-5UHNHX5ea 4, R W5-NI-B4 aB4WHN-NI WaIU aN53HN5B42
Xa-5BaW U22 a WaI I BDV -NI U aIU-5a2 -X5aB/B4IUV -NI
a 3-p-5UHNW, 4g UW-Ba UBa aN5HX5ea aNaB42
HNW5B35UHN45HB -5aB S4 aB U5

I MDNIUV W T 12a aN5-5UHNHXaB4WHN3HN5B42-NI -5aB -215

MDNIUV WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

1B-5a35UHN a-WBaW BDV 3HNWSB35UHN U22BaI 3a5ea U1-35W
BaW25UV XBH 5ea/B-HNI IUW B-N3aI BDV 3HNWSB35UHN5H-2aWW
5e-NWUNUX3-N52apa2, N Ba -UNUV U1-35W U22 a2aWW5e-N
WUNUX3-N5

a HN32 WUHN ea1H5aN5U-2U1-35HX5ea B-Ha35HNaB-MWHN-NI
WaIU aN5-5UHNUW2aWW5e-NWUNUX3-N5

I 52a Baa HNWSB35UHN, Ba-

S 4 W5-N5U-2aB-MWHN-NI WaIU aN5-5UHN - H33 BI BDV
/B-IUV -NI a3-p-5UHN-35pU5daW-WWB3U-5aI U5e3HNWSB35UHNHXNa
1Ua2DNaW-NI Ba2-5aI -11 B5aN-N3aWBaW25UV UNWUNUX3-N5U1-35W

- H5aN5U-2T1-35 ea B-Ha353H2I BaW25UNaB-MWHN-NI
WaIU aN5-5UHNI BDV /B-IUV -NI a3-p-5UHNHXNa 1Ua2DNaW
ea1H5aN5U-2U1-35WHX5ea B-Ha35HNaB-MWHN-NI WaIU aN5-5UHN
-BaIUW WaI UN5ea B-XSSTR-51-/aW -NI

T1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea B-Ha35 U22UN3HB-HB-5a U5U-5UHN
a-WBa S UN4a35UHN -NI HX5ea B-XS
STR eU3e U22aNWBa5e-5 aXHBa a/UNNUV 3HNWSB35UHN
NUg aW5aBN U221Ba1-Ba-NI W U55H5ea 4, Rg XHB
-11B-p-2-WaIU aN5-5UHN-NI aB-MWHN3HNSBH212-N-NI -4g
g eaBa1HWWU2a aB-MWHN3HNSBH2 a-WBaW U22 aU12a aN5aI
NUg aW5aBN aXHBa a/UNNUV HB UN5ea B-UN Wa-WN-NI 5H
UNU Ua WeHB55aB U1-35W-WWB3U-5aI U5e aB-MWHN-NI HXXW5a
W25-5UHNHX5ea 4, R W5-NI-BI aB-MWHN-NI WaIU aN53HNSBH2
Xa-5BaW U22 a WaII BDV -NI U aIU-5a2 -X5aB/B-IUV -NI
a3-p-5UHNW, 4g UW-Ba UBa aN5HX5ea aNaB-2
HNWSB35UHN45HB -5aB S4 aB U5

I MDNUNV WT12a aN5-5UHNHXaB-MWHN3HNSBH2-NI -5aB -215
1B-5a35UHN a-WBaW BDV 3HNWSB35UHN U22BaI 3a5ea U1-35W
BaW25UV XBH 5ea/B-HNI IUW B-N3aI BDV 3HNWSB35UHN5H-2aWW
5e-NWUNUX3-N52apa2, N Ba -UNUV U1-35W U22 a2aWW5e-N
WUNUX3-N5

a HN32 WUHN ea1H5aN5U-2U1-35HX5ea B-Ha35HNaB-MWHN-NI
WaIU aN5-5UHNUW2aWW5e-NWUNUX3-N5

B-Ha35 1aB-5UHN-NI -UN5aN-N3a

- 4apaN - W - -NI RaWBpHUB HNWSB35UHN, Ba-

4g WaHX5ea 4apaN - WRaWBpHUBXHBWa-WHN-2 -5aB3HNWaBp-5UHN
MDNUNV WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

WSHB/a H 21 -25aB5ea - H N5HX -5aBUN WSHB/a -NI eaUe5HX5ea BaWaBpHUB -5aBWBX-3a eUW H 21 UN3Ba-Wa 1H5aN5U-2XHBaBHMWHN U5eUN 5ea BaWaBpHUB

- H5aN5U-2T 1-35 ea BHa353H 21 -25aB5ea - H N5HX -5aBUN WSHB/a UN3Ba-WUN 5ea 1H5aN5U-2XHBaBHMWHN U5eUN5ea BaWaBpHUB ea 1H5aN5U-2U 1-35WHX5ea BHa35HNaBHMWHN U5eUN5ea BaWaBpHUB -BaIUW WaI UN5ea B-XSSTR-51-/a

T 1-35 BHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- Wa 5ea 1H5aN5U-2XHB3HNWaBp-5UHNWSHB/a 5HBaW25UN aBHMWHN U5eUN5ea BaWaBpHUBUWNa/2UU2a

I MDNIUNW Wa HX5ea 4apaN - WRaWaBpHUBXHBW-WHN-2 -5aB 3HNWaBp-5UHNWSHB/a H 21 -25aB5ea - H N5HX -5aBUNWSHB/a -NI 5ea eaUe5HX5ea BaWaBpHUB -5aBWBX-3a XHH 5U a 5H5U a I- WIaB a-B H apaB 5ea 5a 1HB-B UN3Ba-WaUN5ea -Ba- HX UN NI-5UHN H 21 H33 BUN-N-Ba- -2Ba-I IaWUN-5aI XHBX2HHI WSHB/a Wa -NI UN-N-Ba- 5e-5 H 21 1aBUHIU3-22 eH2I X2HHI -5aB UpaN5ea N-5 Ba HX5ea /aH2H/ HX5ea BaWaBpHUB U5UW N2Ua2 5e-5 -5aBWSHBaI aeUNI 5ea I- H 21 3Ba-5a W9H BUN -35pU5 BaW25UN UN aN3eaW-NI 5ea 1H5aN5U-2XHB3HNWaBp-5UHN WSHB/a 5HBaW25UNaBHMWHN U5eUN5ea BaWaBpHUBUW2aWW5e-N WUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNaBHMWHN U5eUN 5ea BaWaBpHUBUW2aWW5e-NWUNUX3-N5

4g WaHX4apaN - WRaWaBpHUBXHBWa-WHN-2 -5aB 3HNWaBp-5UHNWSHB/a 3H 21 Ia/B-Ia -5aB -215 -W- BaW25HX-IIU5UHN-2 U 1H NI aN5HXX2H WUN5ea 4apaN - WRaWaBpHUB

- H5aN5U-2T 1-35 ea BHa353H 21 Ia/B-Ia -5aB -215 -W- BaW25HX-IIU5UHN-2I B-5UHNHXU 1H NI aN5HXX2H WUN5ea 4apaN - WRaWaBpHUB ea 1H5aN5U-2U 1-35WHX5ea BHa35HN -5aB -215 -BaIUW WaI UN5ea B-XSSTR-51-/a -NI UN5ea MDN-2STR-51-/aW -NI

T 1-35 BHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB-5a U5U-5UHN a-WBa 4g UN4a35UHN HX5ea B-XSSTR eU3e U22aNWBa5e-5UN a-BW eaN5ea BHa35BaW25WUNWa-WHN-2 -5aB 3HNWaBp-5UHNWSHB/a aeUNI 4apaN - W - NUg aWaBN U22 1-BU3U-5a UN- 1BapaN5-5Upa 1BH/B- U 12a aN5aI 5ea HIaB-5HBW

HX4apaN - W - a3- Wa -N-aBH U3 3HNI U5UHNW-Ba - 1BH 2a
-WWBU-5aI U5e 3 BBaN5H1aB-5UHNW-54apaN - W - U5UW
-N53U-5aI 5e-55ea XZHH1 3HN5BH2I UWBB35WHX4-N aBN-B UNH
RUpaBWUa -NI B-N/a H N5aW NH N-W H3-241HNWBBW U22
U 12a aN5- 1BH/B W3e -W -5aB -215 HN5HBBN/ -NI
-aB-5UHN 5H-pHU -NI BapaBWa -N-aBH U3 3HNI U5UHNWW15e-5 -5aB
-215 H a35UpaW-Ba N-H5a 3aaIaI TN a-BW eaN5ea B-Ha35
BaW25WUNWa-WN-2 -5aB3HNWaBp-5UHNW5HB/a aeUNI 4apaN - W
- NUg aW5aBN U221-B53U-5a UNW3e 1BH/B -NI 1B-HpUa
XNIUN 1BH1HB5UHN-25H5ea pH2 a HXWa-WN-2 -5aB3HNWaBp-5UHN
W5HB/a aeUNI 4apaN - W -

I MDNIUN/W NUg aW5aBNWI-B53U-5UHNUN-N-N53U-5aI -5aB
-215 1BH/B 5H HN5HB-NI 3HBBa35-N-aBH U3 3HNI U5UHNWUN
-5aBWU 1H NIaI UN4apaN - WRaWaBpHUB U22BaI 3a5ea U 1-35
HN -5aB -215 5H- 2aW5e-NWUNUX3-N52apa2UN5eHWa a-BW eaN
5ea B-Ha35BaW25WUNWa-WN-2 -5aB3HNWaBp-5UHNW5HB/a aeUNI
4apaN - W - , N Ba -UNUN/ U 1-35W U22 a 2aW5e-N
WUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea B-Ha35HN5ea Ia/B-I-5UHN
HX -5aB -215 UW2aW5e-NWUNUX3-N5

4g Wa HX5ea 4apaN - WRaWaBpHUBXHBW-WN-2 -5aB3HNWaBp-5UHN
W5HB/a H 21 UN3Ba-Wa 1H5aN5U-2I- -/a XBH WaU3eaW

- H5aN5U-2T 1-35 ea B-Ha353H 21 UN3Ba-Wa 1H5aN5U-2I- -/a
XBH WaU3eaW ea 1H5aN5U-2U 1-35WHX5ea B-Ha35HNI- -/a XBH
WaU3eaW-Ba I UW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWI H5aN5U-2
U 1-35 a3- Wa 5ea BaWaBpHUBIaWUN-NI We-1a UNU UaW5ea
1H5aN5U-2XHBI- -/a XBH WaU3eaW

I MDNIUN/W, WaU3ea 3H 21 H-33 B U5eUN5ea 4apaN - WRaWaBpHUB
-W-BaW25HX- W5BHN/a-B5e - a UN5ea pU3UN5 HX5ea B-Ha35
, Ba- H apaB 5ea BaWaBpHUBIaWUNBaX2a35WI2-NNUN/ XHB5ea
1H5aN5U-2aXa35WHXa-B5e - a H5UHN-NI 5ea -W a5B3-2We-1a
HX5ea BaWaBpHUB UNU UaW5ea 1H5aN5U-2XHBI- -/aWI a 5H
e-B HN3 U21 1 HXWaU3ea -paW eaBaXHBa 5ea Wa HX5ea 4apaN
- WRaWaBpHUBXHBW-WN-2 -5aB3HNWaBp-5UHNW5HB/a U22N-5
UN3Ba-Wa 5ea 1H5aN5U-2XHBI- -/a XBH WaU3eaW

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea B-Ha35Ba2-5aI 5HI- -/a
XBH WaU3eaWUW2aW5e-NWUNUX3-N5

MDNIUN/WESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

4g WaHX4apaN - WRaWBpHUBXHBWa-WHN-2 -5aB3HNWBp-5UHN WSHB/a H 2I UN3Ba-Wa5ea 1H5aN5U-2XHB IXH WUNBaWBpHUB

- H5aN5U-2T 1-35 ea BHa353H 2I UN3Ba-Wa5ea 1H5aN5U-2XHB IXH WUN5ea BaWBpHUB ea 1H5aN5U-2U 1-35WHX5ea BHa35HN 5ea 1H5aN5U-2XHB IXH W-BaIUW WaI UN5ea B-XSSTR-51-/a

T 1-35 BHB5H U5U-5UHN aWa5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- Wa5ea BaWBpHUBWIaWUN - aWU 1-35W-WWB5U-5aI U5e IXH W N2Ua2

I MUNIUNW WaHX4apaN - WRaWBpHUBXHBWa-WHN-2 -5aB 3HNWBp-5UHNWSHB/a H 2I UN3Ba-Wa5ea 1H5aN5U-2XHB IXH WUN 5ea BaWBpHUB H5aN5U-2 IXH WBaW25UNV XBH BHa35 U 12a aN5-5UHN H 2I a 3HNXUNaI 5H5ea -Ba- aeUNI 4apaN - W - BaW25UNV 1BU-B2 XBH 5ea/Ba-5aBpH2 a HX -5aBUN5ea BaWBpHUB ea BaWBpHUBWIaWUN-W- XHHI WSHB/a X-3U25 - aW WUNUX3-N5U 1-35W-W- BaW25HX IXH W N2Ua2

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35Ba2-5aI 5H5ea 1H5aN5U-2XHB IXH WUW2aWa5e-NWUNUX3-N5

4-N5-, N- RUpaB HNWSB35UHN, Ba-

4g ea BHa35 H 2I 12-3a U5eUN- a-BXHHI e- -B -Ba- WSB35BaW eU3e H 2I BaIUBa35XHHI XH WXHB -5aBIUpaBWHN

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN-BaIUBa35UHNHXXHHI XH WXHB -5aBIUpaBWHN ea 1H5aN5U-2U 1-35WHX5ea BHa35HN 5ea BaIUBa35UHNHXXHHI XH W-BaIUW WaI UN5ea B-XSSTR-5 1-/a

T 1-35 BHB5H U5U-5UHN aWa5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- WaX3U25 IaWUN5HBaIUBa35 -5aB IUpaBWHN H 2I aW a355HBaplá -NI -11BHp-2 5ea 4, S -NI 2HB-2 WHNWBWHX5eaI-

I MUNIUNW UpaBWHNWSB35BaW-NI H5eaBUNXB-WSB35Ba12-3aI UN 5ea a-BXHHI e- -B -Ba- UN5ea 4, R HNWSB35UHN, Ba- H 2I aIaWUNaI Wa3UX3-22 5HBaIUBa35 -5aB IUpaBWHN M-3U25 IaWUN H 2I aW a355HBaplá -NI -11BHp-2 5ea 4, S -NI 5ea XHHI 3HNSBH2IUWSB35WHX4-N aBN-B UNH RUpaBWa -NI B-N/a H N5aW

MUNIUNWESTR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW -Be

Tg S4 SR S T T -/a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35Ba2-5aI 5H12-3UV WSB35 BaWUN5H- a-BX2HHI HNa UW2aWW5e-NWUNUX3-N5

3 52a Baa HNWSB35UHN, Ba-

4g g-5aBIa2UpaBaI UN5H5ea 3e-NNa22a-IUN/ 5H5ea 52a -WUNW3H2I BaW25UNW WS-N5U-2aBHWUHN5H5eUW3e-NNa2

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UNW WS-N5U-2aBHWUHN5H 5ea 3e-NNa22a-IUN/ 5H 52a -WUNW ea 1H5aN5U-2U 1-35WHX5ea BHa35HN5ea aBHWUHNHX5ea 3e-NNa22a-IUN/ 5H5ea 52a -WUNW -BaIUW WaI UN5ea BXSSTR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN a-WBa 4g UN4a35UHN HX5ea BXSSTR eU3e U22Ba UBa 12-3a aN5HX-NaNaB IUWWI-5UHNWSB35 Ba-IapU3a 5HWUH X-WS HpUN/ XUH WWH-WSH1BapaN5aBHWUHN-55ea 5aB UN W HX5ea 1UIa2UNa Ia2UpaBUN/ -5aB5H5ea 52a -WUNW3e-NNa25H aNWBa 5e-5 -5aBXBH 5ea BHa35IHaWNH5W3H BHBaBHIa 5ea 3e-NNa2

I MUNIUN/W ea 3e-NNa2XBH 5ea MHN5-N- H aB 2-N55H5ea 52a -WUNWUW-Na-B5eaNIU3e 5e-5 -WHBUUN-22 U255H-33H HI-5a 5ea IUW5e-B a XBH 5ea MHN5-N- H aB 2-N5 1 5H-11BH U-5a2 3XW paB5U a 5ea 3e-NNa2e-WIaa1aNaI 5eBH/e W3H B-NI U5W 3 BaN53-1-315 UWaW5U-5aI 5H a/Ba-5aB5e-N 3XW TNU5W 3 BaN5W5-5a 5ea 3e-NNa2e-WW5- U2UaI XUNaW-NI WNI We-pa aaN Ba HpaI 5ea 3e-NNa2 H55H UWBHB 3H 2a -NI 5ea -N W-Ba 1BHa35aI ea-p pa/a5-5UHN ea BHa35 H2I UN5BHI 3a XUH W 1 5H 3XWUN5H5ea IU3e eH apaB XUH W-Ba/aNaB22 a 1a35aI 5H a NH HBa5e-N 3XW aWU5a 5ea 3e-NNa2 aUN/ Ba2-5Upa2 W5-2a 5eaWa XUH W3H UNaI U5e XUH WXBH 5ea MHN5-N- H aB 2-N5 3H2I BaW25UNW3H B-NI aN3eUN/ HX5ea 3e-NNa2 12-3UN/ -NaNaB IUWWI-5UHNIapU3a-55ea 5aB UN WHX5ea 1UIa2UNa Ia2UpaBUN/ -5aB5H5ea 52a -WUNW-WBa UBaI 4g 5ea XUH U22WUH -NI -5aBXBH 5ea BHa35 U22NH5W3H BHBaBHIa 5ea 3e-NNa2, N Ba -UNUN/U 1-35W U22 a2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea aBHWUHNHX 5ea 3e-NNa2UW2aWW5e-NWUNUX3-N5

I 4-N5-, N- RUpaB4a/ aN5 E4apaN - W - 5H 552a g aUB

4g ea BHa35 H2I Ia3Ba-WaBUpaBXUH -NI WI3H2I Ia/BIa -5aB -215

MUNIUN/WESTR XBB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

- H5aN5U2T 1-35 ea BHa353H 21 Ia/BIa -5aB -215 ea 1H5aN5U2U 1-35WHX5ea BHa35HNBUpaBXQH -NI -5aB -215 -Ba IUW WaI UN5ea B-X5STR-51-/a -NI UN5ea MDN-2STR-5 1-/aW, 5eBH/e,

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNOX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U2 U 1-35 a3- Wa 5ea 3e-N/aWON -5aB -215 3- WaI 5ea IUpaBWHNWXQH 5ea BHa35 H 21 a UNHB

I MDNIUN/W ea BHa35 U22Ia3Ba-WaBUpaBXQH H apaB apaN -WW UN/- HBW53-WaW5-5UHN eaBa -22HX5ea -5aBIUpaB5aI 5ea BHa35 H 21 e-pa H5eaB UWaXQH aI IH NWBa- NIaB H BHa353HNIU5UHNW5eaBa H 21 UNHBHBNH3e-N/aWON 4 3HN3aN5B-5UHNW-NI T 2apa2W HNa HX5ea 1H5aN5U2UN3Ba-WaWON 4 HB T 3HN3aN5B-5UHNW H 21 a 3aaI -WON12-NH a35UpaW eaBaXHBa eU2a IUpaBWHNWXQH 5ea BHa353H 21 3- Wa 3e-N/aW UN -5aB -215 5eUW3e-N/a H 21 a UNHB-NI 2aW5e-N WUNOX3-N5

a HN32 WUHN ea 1H5aN5U2XHB5ea BHa355HIa/BIa -5aB -215 UW2aW5e-NWUNOX3-N5

4g BHa35IUpaBWHNW H 21 Ia3Ba-WaXQH UNRUpaB4a/ aN5 UN- -NNaB5e-53H 21 -XXa35WaI U aN55B-NWHB5

- H5aN5U2T 1-35 ea BHa353H 21 -XXa35WaI U aN55B-NWHB5 Ia3Ba-WON XQH UNRUpaB4a/ aN5 ea 1H5aN5U2U 1-35WHX5ea BHa35HNWaI U aN55B-NWHB5-Ba IUW WaI UN5ea B-X5STR-5 1-/aW 5H -NI UN5ea MDN-2STR-51-/aW 5eBH/e

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNOX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U2 U 1-35 a3- Wa apaN U5e-Ia3Ba-WaUNXQH W5ea H 21 W5U22 a WXX3UaN55H H U2Ua-NI 5B-NWHB5WNI

I MDNIUN/W BHa35IUpaBWHNW H 21 Ia3Ba-WaXQH UNRUpaB 4a/ aN5 UN- -NNaB5e-53H 21 -XXa35WaI U aN55B-NWHB5, Ia3Ba-WaUNXQH UN4a/ aN5 H 21 3- WaXQH W5HX-22 a2H 5ea IUW5e-BaB-5aNa3aWWB 5H H U2Ua-NI 5B-NWHB53H 2a-NI /B-pa2 H apaB5eUWBpaBWa/ aN55 1U3-22 IHaWNH53HN5BU 5a /B-pa2-NI 3H 2a 5HIH NWBa- 2HB-5UHNW-NI -Ia3Ba-WaUNXQH H 21 NH5BaW25UN- 3e-N/a 5H5ea/aH HBHeH2H/U3 1BHBaWaWON 4a/ aN5 HX5ea BUpaB MQH W H 21 W5U22 a/Ba-5aB5e-N 3XW

MDNIUN/WESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

eU3e UWWXXU3UaN55H H U2Ua-NI 5B3NWHB5WNI eaBaXHBa 5eUW
U 1-35UW2aWW5e-NWUNUXU3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNWaI U aN5
5B3NWHB5UW2aWW5e-NWUNUXU3-N5

a 4-N5-, N-RUpaB4a/ aN5 E 552a g aUB5H5ea HNX2 aN3a U5e U22 Baa

4g ea BHa35 H 2I Ia3Ba-WaI BUpaBXUH -NI WH3H 2I Ia/BIa -5aB
-2I5

- H5aN5U-2T 1-35 ea BHa353H 2I Ia/BIa -5aB -2I5
Ia3Ba-WUN XUH UNRUpaB4a/ aN5 ea 1H5aN5U-2U 1-35WHX5ea
BHa35HNIa3Ba-WaI -5aB -2I5 -BaIUW WaI UN5ea BXS5TR
-51-/a -NI -NI UN5ea MUN-2STR-51-/aW
5eBH/e -NI 1-/aW, 5eBH/e,

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUXU3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3-WaI5ea Ia3Ba-WaIUN -5aB -2I5 UN4a/ aN5
BaW25UN XBH Ia3Ba-WaI BUpaBXUH UW UNHB

I MUNIUN W ea BHa35 U22Ia3Ba-WaI BUpaBXUH H apaB apaN
-WW UN - HBW53-WaIW5-5UHN eaBa -22HX5ea -5aBIUpaB5aI
5ea BHa35 H 2I e-paH5eaB UWaIXUH aI IH NWBa- NIaB H
BHa353HNIU5UHNW5eaBa H 2I UNHBIHBNH3e-N/aWUN 4
3HN3aN5B-5UHNW-NI T 2apa2W eaBaXHBa eU2aIUpaBWUHNWXBH
5ea BHa353H 2I 3-WaI3e-N/aWUN -5aB -2I5 5eUW3e-N/a
H 2I a UNHB-NI 2aWW5e-NWUNUXU3-N5

a HN32 WUHN ea BHa35 WU 1-35HN -5aBXUH UNRUpaB4a/ aN5
U22 a 2aWW5e-NWUNUXU3-N5

4g BHa35IUpaBWUHNW H 2I Ia3Ba-WaIXUH UNRUpaB4a/ aN5 UN-
-NNaB5e-53H 2I -XXa35WaIU aN55B3NWHB5

- H5aN5U-2T 1-35 ea BHa353H 2I -XXa35WaIU aN55B3NWHB5
Ia3Ba-WUN XUH UNRUpaB4a/ aN5 ea 1H5aN5U-2U 1-35WHX5ea
BHa35HN-BaIUW WaI UN5ea BXS5TR-51-/aW 5H
-NI UN5ea MUN-2STR-51-/aW 5eBH/e

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUXU3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3-WaI5ea 3e-N/a UNWaIU aN55B3NWHB5BaW25UN XBH
Ia3Ba-WaI BUpaBXUH UW UNHB

MUNIUN WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

I MDNIUNWWT5UWaW5U-5aI 5e-51a- IUW5e-B a-WWB U-5aI U5e 4apaN
- W - NIaB- a-BXHHI 3HNIU5UHN 3H 2I a 3XWUN
5ea BpaBWa/ aN5XBH 552a g aUB5H U22 Baa NIaB e-WaT
HX5ea 2 N/a HH2 UIa2UNa 1 5H 3XW3H 2I a IUpaB5aI -5
552a g aUBUN2-5aB1e-WaWHX5ea 2 N/a HH2 UIa2UNa 3XW
3H 2I a IUpaB5aI -5HB- Hpa 552a g aUB , Ia3Ba-WaHX 5H
3XWXBH - XH HX 3XW3H 2I 3- WaXH WUN4a/ aN5
HX5ea BpaB5HX-22 a2H 5e-5Na3aWB 5H H U2Ua-NI 5B-NWHB5
3H 2a -NI /B-pa2 H apaB 5eUWBpaBWa/ aN55 1U3-22 IHaWNH5
3HN5BU 5a /B-pa2-NI 3H 2a 5HI H NW5Ba- 2HB-5UHNW-NI 5e W
5eUWIa3Ba-WaUNXH H 2I NH5BaW25UN- 3e-N/a 5H/aH HBIeU3
1B-BaWaWUN4a/ aN5

a HN32 WUHN ea BHa35WU 1-35HNWaI U aN55B-NWHB5 U22 a
2aWW5e-NWUNUX3-N5

X 4-N5-, N- RUpaB4a/ aN5 E HNX2 aN3a U5e U22 Baa 5H S 45Baa5

4g ea BHa35 H 2I Ia3Ba-WaBpaBXH -NI WH3H 2I Ia/B-Ia -5aB
-215

- H5aN5U-2T 1-35 ea BHa353H 2I Ia/B-Ia -5aB -215
Ia3Ba-WUNXH UNRUpaB4a/ aN5 ea 1H5aN5U-2U 1-35WHX5ea
BHa35HN -5aB -215 -BaIUW WaI UN5ea B-X5STR-51-/aW
-NI -NI UN5ea MDN-2STR-51-/aW 5eBH/e

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- WaI5ea Ia3Ba-WaUN -5aB -215 BaW25UNXH
Ia3Ba-WaI BpaBXH UW UNHB

I MDNIUNWW ea BHa35 U22Ia3Ba-WaBpaBXH H apaB apaN
-WW UNW - HBW3-WaW5-5UHN eaBa -22HX5ea -5aBIUpaB5aI
5ea BHa35 H 2I e-paH5eaB UWaXH aI IH NW5Ba- NIaB H
BHa353HNIU5UHNW5eaBa H 2I UNHBHBNH3e-N/aWUN 4
3HN3aN5B-5UHNW-NI T 2apa2W eaBaXHBa eU2aIUpaBWHNWXBH
5ea BHa353H 2I 3- WaI3e-N/aWUN -5aB -215 5eUW3e-N/a
H 2I a UNHB-NI 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea BHa35WU 1-35HN -5aB -215 U22 a 2aWW
5e-NWUNUX3-N5

4g BHa35IUpaBWHNW H 2I Ia3Ba-WaXH UNRUpaB4a/ aN5 UN-
-NNaB5e-53H 2I -XXa35WaI U aN55B-NWHB5

- H5aN5U-2T 1-35 ea BHa353H 2I -XXa35WaI U aN55B-NWHB5

I a3Ba-WdV XdH UN RUpaB4a/ aN5 ea 1H5aN5U2U 1-35WHX5ea
BHa35HN-BaIUV WdI UN5ea B-X5STR-51-/aW 5H
-NI UN5ea MDN-2STR-51-/aW 5eBH/e

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U2
U 1-35 a3- WdV5ea 3e-N/a UNWdIU aN55B-NWHB5BaW25UNV XBH
I a3Ba-WdI BUpaBXdH UW UNHB

I MDNIUNV WT5UWaW5U-5aI 5e-51a- XdH NIaB H BHa35
3HNIU5UHNWI BUNV- a-BXdHHI apaN5 H2I a 3XWUN
5ea BUpaBWd/ aN5XBH U22 Baa 5H S 45Baa5 g U5e
U 12a aN5-5UHNHX5ea BHa35 1a- XdH I BUNV- a-BXdHHI
apaN5 H2I a NH HBa5e-N 3XW a3- WdV5ea BHa35
H2I Ia3Ba-WdV XdH XBH 5ea 11aB4-N5-, N- -N HN U5UW
1HWWU2a5e-55ea XBa aN3 U5e eU3e W-NI 3H 2a-NI /B-pa2UW
H U2UaI-NI 5B-NWHB5aI UN5eUWBUpaBWd/ aN53H2I Ia32UNa 5
5ea U1-35HX5ea BHa35 H2I a UNHBWUN3a U22 Baa eU3e
UW N-XXa35aI 5ea BHa35 IH UN-5aWWdIU aN53HN5BU 5UHN-NI
5B-NWHB5UN5eUWBUpaBWd/ aN5 eaBaXHBa 5eUWUW-2aWW5e-N
WUNUX3-N5U 1-35

a HN32 WUHN ea BHa35 WU 1-35HNWdIU aN55B-NWHB5 U22 a
2aWW5e-NWUNUX3-N5

4g BHa35IUpaBWUHNW H2I Ia3Ba-WdV XdH UN5ea BUpaBXBH
U22 Baa 5H S 45UN- -NNaB5e-53H2I Ia3Ba-Wd5ea pa2HBU5-NI
Ia15e HXHpaB-N XdH W

- H5aN5U2T 1-35 ea BHa353H2I Ia3Ba-Wd5ea pa2HBU5-NI
Ia15e HXHpaB-N XdH W Ia3Ba-WUV -5aBXdH UN5ea BUpaB
ea1H5aN5U2U 1-35WHX5ea BHa35HN5ea pa2HBU5-NI Ia15e HX
HpaB-N XdH W-BaIUV WdI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U2
U 1-35 a3- WdV5ea HpaB-N pa2HBU5-NI -5aBIa15e UN5ea BUpaB
WdV aN5 a5 aaN5ea U22 Baa HNX2 aN3a-NI RUpaB U2a R
H2I NH5 a1aBBa15U2-XXa35aI 5ea BHa35

I MDNIUNV WT5UWaW5U-5aI 5e-55ea UNW5-N5-NaH WXdH UN4a/ aN5
H2I a BaI 3aI XBH 3XW NIaB5ea H BHa355H
3XW U5e5ea BHa35 ea HpaB-N pa2HBU5-NI -5aBIa15e UN5eUW
Wd35UHNHX5ea 4, R H2I NH5 a1aBBa15U2-XXa35aI 5ea
BHa35-NI 5eaBaXHBa 5eUWU 1-35UW2aWW5e-NWUNUX3-N5

MDNIUNV WESTR XHB4-N5-, N- RUpaBg-5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

a HN32 WUHN ea BHa35 WU 1-35HN 5ea pa2HBU5 -NI Ia15e HX HpaB-N XUH W U22 a 2aWW5e-NWUNUX3-N5

/ 4-N5-, N-RUpaB4a/ aN5S ES 45Baa55HRT RU-25Hg -W5a -5aB Ba-5 aN5 2-N5 5X-22W

4g ea BHa35 H 21 Ia3Ba-WaBpaBXUH -NI WH3H 21 Ia/BIa -5aB -215

- H5aN5U-2T 1-35 ea BHa353H 21 Ia/BIa -5aB -215 Ia3Ba-WUW XUH UNRUpaB4a/ aN5S ea 1H5aN5U-2U 1-35WHX5ea BHa35HN -5aB -215 -BaIUW WaI UN5ea B-X5STR-51-/aW -NI -NI UN5ea MUN-2STR-51-/aW 5eBH/e -NI 1-/aW, 5eBH/e,

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWH5aN5U-2 U 1-35 a3-Wa5ea Ia3Ba-WaUN -5aB -215 BaW25UW XUH Ia3Ba-WaI BpaBXUH UW UNHB

I MUNIUW W ea BHa35 H 21 Ia3Ba-WaBpaBXUH H apaB apaN -WW UW - HBW3-WaW5-5UHN eaBa -22HX5ea -5aBIUpaB5aI 5ea BHa35 H 21 e-pa H5eaB UWaXUH aI IH NW5Ba- NIaB H BHa353HNIU5UHNW5eaBa H 21 UNHBBHBNH3e-N/aWUN 4 3HN3aN5B-5UHNW-NI T 2apa2W eaBaXHBa eU2aIUpaBWUHNWXBH 5ea BHa353H 21 3-Wa3e-N/aWUN -5aB -215 5eUW3e-N/a H 21 a UNHB-NI 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea BHa35 WU 1-35HN -5aB -215 U22 a 2aWW 5e-NWUNUX3-N5

4g BHa35IUpaBWUHNW H 21 Ia3Ba-WaXUH UNRUpaB4a/ aN5S UN--NNaB5e-53H 21 -XXa35WaI U aN55B-NWHB5

- H5aN5U-2T 1-35 ea BHa353H 21 -XXa35WaI U aN55B-NWHB5 Ia3Ba-WUW XUH UNRUpaB4a/ aN5S ea 1H5aN5U-2U 1-35WHX5ea BHa35HNWaI U aN55B-NWHB5-BaIUW WaI UN5ea B-X5STR-5 1-/aW 5H -NI -NI UN5ea MUN-2STR-51-/aW 5eBH/e

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWH5aN5U-2 U 1-35 a3-Wa5ea 3e-N/aUNWaI U aN55B-NWHB5I a 5H BHa35 IUpaBWUHNWUW UNHB

I MUNIUW WT5UWaW5U-5aI 5e-51a- XUH NIaB H BHa35

MUNIUW WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

3HN U5UHNW BDV - a-BXHHI apaN5 H 2I a 3XWUN 5ea BpaBWa/ aN5XBH S 45Baa55HRT RU-2H g U5e U 12a aN5-5UHNHX5ea BHa35 1a- XH I BDV - a-BXHHI apaN5 H 2I a NH HBa 5e-N 3XW a3- Wa 5ea BHa35 H 2I Ia3Ba-Wa XH XBH 5ea 11aB4-N5-, N- -N HN U5UW 1HWWU2a 5e-55ea XBa aN3 U5e eU3e WNI 3H 2a-NI /B-pa2UW H U2UaI -NI 5B-NWHB5aI UN5eUWBpaBWa/ aN53H 2I Ia32UNa 5 5ea U 1-35HX5ea BHa35 H 2I a UNHBWUN3a U5 -NI 2 N/a 3Baa W eU3e-Ba N-XXa35aI 5ea BHa35 IH UN-5a WaI U aN5 3HN5BU 5UHN-NI 5B-NWHB5UN5eUWBpaBWa/ aN5 eaBaXHBa 5eUWUW - 2aWW5e-NWUNUX3-N5U 1-35

a HN32 WUHN ea BHa35 WU 1-35HNWaI U aN55B-NWHB5 U22 a 2aWW5e-NWUNUX3-N5

B. Groundwater Hydrology and Water Quality

BHa35 HNWSB 35UHN

- 4-N5-, N- RUpaB HNWSB 35UHN, Ba-

g a -5aBDV I BDV BHa353HNWSB 35UHN3H 2I BaW25UN5a 1HB-B 2H aBDV HX/BH NI -5aB2apa2W aNa-5e a 3-p-5UHNW5a

- H5aN5U2T 1-35 ea BHa353H 2I BaW25UN-5a 1HB-B 2H aBDV HX/BH NI -5aB2apa2W ea 1H5aN5U2U 1-35WHX5ea BHa35HN /BH NI -5aB2apa2W-55ea a 3-p-5UHNW5a -Ba I UW WaI UN5ea B-X5 STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWH5aN5U2 U 1-35 a3- WaI a -5aBDV H 2I a 5a 1HB-B 2HB-2UaI -NI H 2I NH5I a12a5a /BH NI -5aBW112aWHB-XXa355ea 2HB-2-Ba-

I MDNUNW a 1HB-B -NI 2HB-2UaI I a -5aBDV I BDV BHa35 3HNWSB 35UHN3H 2I BaW25UN-5a 1HB-B 2H aBDV HX/BH NI -5aB 2apa2W aNa-5e 5ea a 3-p-5UHNW5a H apaBI a -5aBDV H 2I NH5HB3 BUNpH2 aWWXX3UaN55HW W5-N5U22 I a12a5a /BH NI -5aBW112aWHB-XXa355ea 2HB-2-Ba- eaBaXHBa U 1-35W HN/BH NI -5aB2apa2W H 2I a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea BHa35 WU 1-35HN/BH NI -5aB2apa2W U22 a 2aWW5e-NWUNUX3-N5

apU2 -N HN HNWSB 35UHN, Ba-

g a -5aBDV I BDV 3HNWSB 35UHN3H 2I BaW25UN5a 1HB-B 2H aBDV

HX/ BH NI -5aB2apa2W aNa-5e a 3-p-5UHNW5a

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN- 5a 1HB-B 2H aBDV HX/ BH NI -5aB2apa2W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN / BH NI -5aB2apa2W-55ea a 3-p-5UHNW5a -Ba IUW WaI UN5ea B-X5 STR -51-/aW -NI

  T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

  3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- WaI a -5aBDV H 2I a 5a 1HB-B 2HB-2UaI -NI H 2I NH5Ia12a5a / BH NI -5aBW112IdWHB-XXa355ea 2HB-2-Ba-

  I MDNIUNW a 1HB-B -NI 2HB-2UaI Ia -5aBDV -5a 3-p-5UHNW5aW I BDV BHa353HNWSB35UHN3H 2I -XXa355ea apU2 -N HN HNWSB35UHN, Ba- H apaBIa -5aBDV H 2I NH5HB3 BUN pH2 aWWXX3IdN55HW W5-N5U-22 Ia12a5a / BH NI -5aBW112IdWHB -XXa355ea 2HB-2-Ba- eaBaXHBa U 1-35WHN/ BH NI -5aB2apa2W H 2I a 2aWW5e-NWUNUX3-N5

  a HN32 WUHN ea BHa35WU 1-35HN/ BH NI -5aB2apa2W U22 a 2aWW5e-NWUNUX3-N5

3 52a Baa HNWSB35UHN, Ba-

  g a -5aBDV I BDV 3HNWSB35UHN3H 2I BaW25UN5a 1HB-B 2H aBDV HX/ BH NI -5aB2apa2W aNa-5e a 3-p-5UHNW5a

  - H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN- 5a 1HB-B 2H aBDV HX/ BH NI -5aB2apa2W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN / BH NI -5aB2apa2W-55ea a 3-p-5UHNW5a -Ba IUW WaI UN5ea B-X5 STR -51-/aW -NI

    T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

    3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- WaI a -5aBDV H 2I a 5a 1HB-B 2HB-2UaI -NI H 2I NH5Ia12a5a / BH NI -5aBW112IdWHB-XXa355ea 2HB-2-Ba-

    I MDNIUNW a 1HB-B -NI 2HB-2UaI Ia -5aBDV -5a 3-p-5UHNW5aW I BDV 3HNWSB35UHN3H 2I -XXa355ea 52a Baa HNWSB35UHN , Ba- H apaBIa -5aBDV H 2I NH5HB3 BUNpH2 aWWXX3IdN5 5HW W5-N5U-22 Ia12a5a / BH NI -5aBW112IdWHB-XXa355ea 2HB-2 -Ba- eaBaXHBa U 1-35WHN/ BH NI -5aB2apa2W H 2I a 2aWW5e-N WUNUX3-N5

    a ea BHa35WU 1-35HN/ BH NI -5aB2apa2W U22 a 2aWW5e-N WUNUX3-N5

MDNIUNW ESTR XHB4-N5- , N- RtpaBg -5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

BHa35 1aB35UHNW-NI -UN5aN-N3a

- 4-N aBN-BIUNH -WUN, Ba-

g BHa35H1aB35UHNW H 21 NH5UN5aBXaBa U5e / BH NI -5aBBa3e-B a 5H1HUN5 eaBa 5eaBa H 21 a-Na51aX3U5UN- UXaBpH2 a Ua 3e-N a UN/BH NI -5aBW8HB/a

- H5aN5U2T 1-35 ea BHa353H 21 UN5aBXaBa U5e / BH NI -5aB Ba3e-B a-NI 3- Wa-Na51aX3U5UN- UXaBpH2 a ea 1H5aN5U2 U 1-35WHX5ea BHa35HN- UXaBpH2 a-BaIUW WaI UN5ea B XS STR-51-/a

T 1-35 BUHB3H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U2 U 1-35 a3- Wa BHa35H1aB35UHNW H 21 NH5UN5aBXaBa U5e /BH NI -5aBBa3e-B a 5H5ea 1HUN5 eaBa 5eaBa H 21 a-Na5 IaX3U5UN- UXaBpH2 a

I MUNIUN W BHa35IUpaBWHNW H 21 IUpaB5 -5aBXBH 5ea 4, R eU3e H 21 BaI 3a Ba3e-B a UN5ea BUpaB3e-NNa2 ea 2-3 HX Ba3e-B a UN5ea BUpaB H 21 a HXXWa5 UN2la Ba3e-B a 3- WaI IUBa35Ia2UpaB HX4, R -5aB eU3e BaI 3aWI Bpa HB1 1UN WBa-IUN HX4, R -5aBUNH5eaBWBa-IUN /BH NI WUN5ea 4-N aBN-BIUNH -WUN, Ba- -NI -5aBBa5 BNaI XBH a 3e-N aW U5e H5eaB-/aN3UaW ea Na5aXXa35UW5HBa3e-B a 5ea 4-N aBN-BIUNH -WUN, Ba- U5e-WU U2-B -N5U5 HX -5aB-W H 21 HB3 B NIaB H BHa353HNIU5UHNW ea BHa35 H 21 -XXa35HN2 5ea 5U UN -NI 2HB-5UHNHXBa3e-B a TN5aB WHX5ea /BH NI -5aB -2-N3a HX5ea 4-N aBN-BIUNH -WUN, Ba- 5ea WXa Ua21 HX5ea -WUN U22 a -UN5-UNaI 1 BW-N55H5ea *Western* I/aN5 a3- Wa 4, R -5aBIUpaBWHNW H 21 NH5BaW25UN- Na51aX3U5UN - UXaBpH2 a U 1-35W H 21 a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea BHa35 WU 1-35HN- UXaBpH2 a U22 a 2aWW 5e-NWUNUX3-N5

g ea BHa35 H 21 NH5UN3Ba-Wa 4-NI NUB35a 3HN3aNSB35UHNWUN 5ea W -WUNWHX4-N aBN-BIUNH -WUN, Ba- W3e 5e-51HW8 BHa35 3HN3aNSB35UHNW H 21 a 3aaI g -5aB -215 a35UpaWg

- H5aN5U2T 1-35 ea BHa353H 21 UN3Ba-Wa 4-NI NUB35a 3HN3aNSB35UHNW-NI a 3aaI g W ea 1H5aN5U2U 1-35WHX5ea BHa35HN 4-NI NUB35a 3HN3aNSB35UHNWUN5ea 4-N aBN-BIUNH -WUN, Ba- -BaIUW WaI UN5ea B XS STR-51-/a -NI UN 5ea MUN-2STR-51-/aW 5eBH/e

MUNIUN WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

T 1-35 BHHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- WaU5UWaU5eaB2aWW5e-NWUNUX3-N5HB aNaX3U-2

I MUNIUNVW HN3aN5B-5UHN2apa2WXHB 4 H 2I N-H5a 3aaI 3 BBaN5
g WHB2apa2W NIaB H BHa353HNIU5UHNWUN-N HX5ea W
-WUNW e WNHWUNUX3-N5U 1-35W-Ba-N5U3U-5aI eaBa H 2I
a aNaX3U-2U 1-35W NIaB-22 BHa35WaN-BHHWUN5ea N aB U22
T-NI N aB U22TTW -WUNW NIaB3 BBaN5g W-NI UN
N aB U22, NIaB1BH1HWaI g W aWW5e-NWUNUX3-N5
U 1-35W3H 2I a a 1a35aI UN5ea BaWWBa HNa-NI 52a W
-WUNW MHBNU5B-5a 3HN3aN5B-5UHN2apa2W aNaX3U-2U 1-35W H 2I
a-N5U3U-5aI XHB-22W -WUNW NIaB3 BBaN5g W

a HN32 WHN ea BHa35WU 1-35HN 4-NI NU5B-5a
3HN3aN5B-5UHNWUN5ea W -WUNWHX5ea 4-N aBN-BIUNH -WUN, Ba-
U22 a 2aWW5e-NWUNUX3-N5 HB aNaX3U-2

C. Biological Resources

BHa35 HNWSB35UHN

- 4apaN - W - -NI RaWBpHUB HNWSB35UHN, Ba-

T HNWSB35UHNBa2-5aI 5HBa-2UNUN BH-IWUN5ea 4apaN - W -
-NI RaWBpHUB HNWSB35UHN, Ba- H 2I BaW25UN2HWWHXN-5Upa pa/a5-5UHN
-NI 5a 1HB B aXXa35WHN3H HN U2I2Xa

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN-2HWWHXN-5Upa
pa/a5-5UHN-NI 5a 1HB B aXXa35WHN3H HN U2I2Xa ea
1H5aN5U-2U 1-35WHX5ea BHa35HNN-5Upa pa/a5-5UHN-NI 3H HN
U2I2Xa Wa3UaW-BaIUW WaI UN5ea B-XSSTR-51-/aW 5H
-NI UN5ea MUN-2STR-51-/a

T 1-35 BHHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- WaU5UW2aWW5e-NWUNUX3-N5 5 U5U-5UHN a-WBaW
T 5eBH/e T -WIUW WaI UNWa35UHN
HX5ea B-XSSTR U22XB5eaBBaI 3a-N U 1-35

I MUNIUNVW NUg aW5aBNe-pa a2U UN-5aI XBH 5ea BHa355ea
Ba2HB-5UHNHX- U2a Wa35UHNHX5ea 4 S-33aWWBH-I U 1-35W
XBH 5eUWa2a aN5IUW WaI UN5ea B-XSSTR U225eaBaXHBa NH
2HNVaBHB3 B Ra2HB-5UHNHXg -B 41BUNW, 33aWWRH-I -NI
MUNIUNVWESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-Bse
Tg S4 SR S T T -/a

3HNWBB 35UHNHX5ea Na UN5- a WBB 35 Ba -33aWWBH-I -55ea I-
H 21 BaW25UN2HWWHXN-5Upa pa/ a5-5UHN-NI 5a 1HB-B aXXa35WHN
3H HN U21 2Xa Wa3UaW ea 2HWWHX HW5HX5ea 1H5aN5U-22
U 1-35aI UH2H/ U3-2BaWH B3aWUN5ea I- -NI BaWBpHUB-Ba- e-W
1BapUH W2 aaN1aB U55aI -NI U5U-5aI a3- Wa -22 UH2H/ U3-2
BaWH B3aW NIaB Xaa5 -5UHN-2 aHIa53 aB53-2 -5
-Ba 3HNWUaBaI 2HW5-WI-B5HX5ea HBJUN-24apaN - W
- X2HHI 3HN5BH21BHa35 5ea BHa35 H 21 NH5BaW25UN-N
-II U5UHN-2U 1-35W NIaB5eUWa2ap-5UHN T 1-35W5Hpa/ a5-5UHN
a5 aaN5ea XHH5a2ap-5UHN-NI 5ea - U X2HHI
H NI-B HX Xaa5e-pa aaN3HNWUaBaI 1aB3aN52HW5-NI
U5U-5aI -WI-B5HX3HNWBB 35UHN-NI HIaB-5UHNHX5ea 4apaN - W
- X2HHI 3HN5BH21BHa35 eaBaXHBa U 1-35WHX5ea BHa35-Ba
3HNWUaBaI -WI-B3 BBDV HNe-2XHX5ea UH2H/ U3-2BaWH B3aW U5eUN
5ea -3BaWHB -3BaW a 5H5ea 2H -3Ba-/ a HXU 1-35aI
e- U5-5 5ea Ba2-5Upa - NI-N3a HX3e-11-B-2pa/ a5-5UHN UN5ea
Ba/ UHN-NI pU3UN5 5ea Ba2-5Upa - NI-N3a UN5ea Ba/ UHNHX12-N5
-NI U21 2Xa Wa3UaW-WWBU-5aI U5e 5ea 12-N53H N5 -NI 5ea
2HB-5UHNHX5ea U 1-35 U5eUN-N-Ba- a 1a35aI 5H a I UW5 B aI I a
5HBaWBpHUBH1aB-5UHNW5ea 1aB -NaN52HWWHX -3BaWHX3e-1-BB2
H 21 a 2aWW5e-NWUNUX3-N5

a HN32 WHN ea BHa35 WU 1-35HNN-5Upa pa/ a5-5UHN-NI
3H HN U21 2Xa U22 a 2aWW5e-NWUNUX3-N5

4-N5-, N-RUpaB HNWBB 35UHN, Ba-

T HNWBB 35UHNHX5ea 2N/ a HH2 Ua2UNa H 21 I UW5 B -NI
5a 1HB-B2 Ba Hpa BJ-B-N a52-NI -NI WBBa- e- U5-5-NI 3- Wa
HB5-25 HX3H HNBJ-B-N U21 2Xa Wa3UaW

- H5aN5U-2T 1-35 ea BHa35 U22 I UW5 B -NI 5a 1HB-B2 Ba Hpa
BJ-B-N a52-NI -NI WBBa- e- U5-5-NI 3- Wa HB5-25 HX
3H HNBJ-B-N U21 2Xa Wa3UaW ea 1H5aN5U-2U 1-35WHX5ea
BHa35HNBJ-B-N a52-NI -NI WBBa- e- U5-5-NI Wa3UaWUN5ea
4-N5-, N-RUpaB HNWBB 35UHN, Ba- -Ba I UW5 WaI UN5ea B-X5STR
-51-/ aW -NI -NI UN5ea MUN-2STR-51-/ a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22 UN3HBHHB-5a U5U-5UHN
a-WBaW T -NI T I aW5BJaI UN4a35UHN
HX5ea B-X5STR eU3e U22 UNU Ua I UW5 B-N3a 5H
N-5Upa e- U5-5W-NI WaNW5Upa Wa3UaW U 12a aN5UN - WaBaWHX
a-WBaW U5e 5ea H a35Upa HXBaW5HBBN -Na -2HB/ Ba-5aB
- H N5HXBJ-B-N-NI a52-NI e- U5-53H 1-BaI 5H5e-5U 1-35aI
3HNWBB 35UHNHX5ea 2N/ a HH2 Ua2UNa a-WBaW5HBaW5BB35

MUNUN/ WESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/ a

Tg S4 SR S T T -/a

a Ba12-3aI UN5ea 1BH1aB2- aBW-XaBXUN-2Ba3HNXU B-5UHNHX
IUW B aI -Ba-W g eaBa 1BaWaN3a HXa 5aNWpa I a1HW5WHX H 21aBW
-NI 3H 2aW2U U55ea H11HB5 N55HW2p-/a 5H1WH2-NI - a 5eUW
1BHBaI Ba UNXa-WU2a NUg aW5aBN U22W2p-/a-p-U2- 2a WBX3a
-5aBU2-NI W5HB 1U2a U5XHBBa12-3a aN5HN5ea WBX3a HX5ea
BaW5HBaI -Ba- 45HB 1U2aW U22 a 3HpaBaI UX5ea WH2UW5H a 2aX5XHB
-Na 5aNIaI 1aBBH1 5H1BapaN52HWaWI a 5HaBHWHN-NI UNp-WUHNHX
aaI W NUg aW5aBN U22Iapa2H1 e- U5-5Bae- U25-5UHN-NI
Bapa/a5-5UHN12-NW-NI WIa3UX3-5UHNWXHBBa12-N5UN -Ba-WIUW5 B aI
5ea BHa35 Ra12-N5UN U22 a U5e N-5pa WIa3UaWIBH1-/-5aI
XBH 2H3-22 3H22a35aI WaaI HB3 55UN W-NI UX-1123- 2a U22
UN32 Ia WaaI HXWaNW5Upa WIa3UaW5e-5 H 21 a U 1-35aI I BUN
3HNW5B 35UHN-35pU5UaW, I I U5UHN-22 HN5HBUN 1BHBaI BaW-NI
1aBXHB -N3a 3B5aBU- U22 a Iapa2H1aI NUg aW5aBN5H
-I I BaWIBapa/a5-5UHN-NI aBHWHN3HN5BH2 ea 1aBXHB -N3a 3B5aBU-
U223HNWUaB5ea 2apa2HXIUW5 B -N3a -NI 5ea 3HNIU5UHNHX-I -3aN5
e- U5-5W HN5HBUN U223HN5UN a XHB a-BWHB N5U2
1aBXHB -N3a 3B5aBU- e-pa aaN a5, 11BH1BU-5a Ba aIU-2
a-WBaWW3e -WBa12-N5UN aBHWHN3HN5BH2HB aaI 3HN5BH2 U22
a UIaN5UXaI -NI U 12a aN5aI UXU5UWIa5aB UNaI 5e-51aBXHB -N3a
3B5aBU- -Ba NH5 aUN a5

I MUNIUN W HNW5B 35UHNHX5ea 2 N/a HH2 UIa2UNa 3H 21 IUW5 B
BU- BU-N-NI a52-NI e- U5-5 H apaB UNU UUN W3e
IUW5 B -N3a 5ea U 12a aN5-5UHNHX T -NI T
U22BaI 3a 5eUWU 1-355H- 2aW5e-NWUNUX3-N52apa2 ea
XN35UHNW-NI 5ea p-2 aWHX5ea e- U5-53H 21 2Ua2 a Ba12-3aI
U5eUN- Xa a-BW RaWU -2U 1-35W H 21 UN32 Ia 5ea 5a 1HB-B
2HWWHXBU- BU-N a52-NI -NI W5Ba- pa/a5-5UHN-NI U212Xa
e- U5-5 -NI WH a N-pHU- 2a HB5-215 HX3H HN U212Xa
WIa3UaW H apaB U 1-35W H 21 /BI -22 Ia3Ba-WaHpaBWapaB-2
a-BW-W5ea -Ba- Bapa/a5-5aW-NI U212Xa 1H1 2-5UHNWUN3Ba-Wa
, N Ba -UNUN U 1-35W U22 a 2aW5e-NWUNUX3-N5

a HN32 WH1N ea 1H5aN5U-2U 1-35HX5ea BHa35HNBU- BU-N
a52-NI -NI W5Ba- e- U5-5-NI BU- BU-N U212Xa WIa3UaWUW2aWW
5e-NWUNUX3-N5

T 3HNW5B 35UHNHX5ea 2 N/a HH2 UIa2UNa H 21 IUW5 B -NI Ba Hpa
12-NI pa/a5-5UHN-NI U212Xa e- U5-5 UN32 IUN/ RUpaBWUa-N-22 pU-2X-N
W/a W5B R, M44 -NI 3- Wa HB5-215 UN3H HN U212Xa WIa3UaW

- H5aN5U-2T 1-35 ea BHa353H 21 IUW5 B -NI Ba Hpa 12-NI
pa/a5-5UHN-NI U212Xa e- U5-5 UN32 IUN/ R, M44 -NI 3- Wa
HB5-215 UN3H HN U212Xa WIa3UaW ea 1H5aN5U-2U 1-35WHX5ea
BHa35HN 12-NI pa/a5-5UHN-NI U212Xa e- U5-5 UN32 IUN/
R, M44 -NI U212Xa WIa3UaW-Ba IUW5 WaI UN5ea B-X5STR-51-/a

MUNIUN/WE STR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

-NI UN5ea MDN-2STR-51-/aW 5eBH/e -NI
5eBH/e

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB-5a U5U-5UHN
a-WBa T eU3e Ba UBaW NUg aW5aBN5HBa-2UN
1UIa2DNaW5H-pHU WaNW5Upa BaWI B3aW-NI e- U5-55H5ea - U
a 5aN5Xa-WU2a TXUN3HBIHB-5UHNHX T UWUNXa-WU2a
T UN3H UN-5UHN U5e U5U-5UHN a-WBaW T -NI
T IaW3BUaI UN4a35UHN HX5ea B-X5STR-NI UN
Wa35UHN HX5ea MDN-2STR U22 a U 12a aN5aI TN5ea
-2aBN-5Upa T H 2I Ba UBa 5e-5 NUg aW5aBN-3 UBa
XHBapaB HNa-3Ba U 1-35aI - UNU HXHNa-3Ba HX/HHI
-2I5 e- U5-5HXWU U2-BHB/Ba-5aBe- U5-5p-2a 5e-N5ea R, M44
-Ba- U 1-35aI 5ea 2N/a HH2 UIa2DNa-NI IaI U3-5a U5UN
1aBIa5 U5 -W- e- U5-53HNWaBp-5UHNa-Wa aN5-Ba- HBH5eaB
-11BHIBU-5a IaWUN-5UHN-NI 1BHpUIa XNIUN/XHBU5WX5 Ba
-N-/a aN5-WN-5Upa e- U5-5UN1aBIa5 U5 ea-3 UBaI R, M44
e- U5-5-Ba- H 2I UIa-22 a 3HN5U H W U5e a UW5UN/e- U5-5
-2Ba-I Wa5-WUa UN5ea g 4 , HBH5eaBIaI U3-5aI R, M44 e- U5-5
TX/HHI -2I5 e- U5-5UNW3e-2HB-2I5 UWNH5-p-U2-2a XHB
1 B3e-Wa -p-U2- U2I5 HX5eaBR, M44 e- U5-5 U22 a UNpaW5U-5aI
U5e 5ea H a35Upa HXH 5-UNUN/HHI -2I5 e- U5-5Na-B5ea
BHa35-Ba- T 12a aN5-5UHNHX5eUW U5U-5UHN a-WBa U22 a
W a355H5ea Ba UBa aN55e-5W3e 2HN/5aB U5U-5UHN-NI
Ba1HB5UN/12-NWXHBW3e-3 UW5UHNW-Ba 5H a-11BHpaI 5ea
eUaXHX5ea UpUWHNHXg-5aBRU/e5WHX5ea 45-5a g -5aBRaWI B3aW
HN5BH2 H-B3 1BUHB5H5ea 3HNW3B35UHNHX5ea 2N/a HH2
UIa2DNa

I MDNUN/W TN3H UN-5UHN U5e T -NI T
Ba2HB-5UN/ e-Wa TTHX5ea 2N/a HH2 UIa2DNa 5H5ea aI/a HX5ea
WaNW5Upa e- U5-5-I -3aN55H BaaNWH5RH-I H 2I -pHU
UWa35UN/5ea e- U5-5 -NI H 2I 3HNWH2U-5a 3HNW3B35UHN-35Up5UaW
-I -3aN55Ha UW5UN/IUW5 BaI -Ba-W-55ea NHB5eaBNaI/a HX5ea
e- U5-5 eUWBa-2UN aN5HX5ea 1UIa2DNaW U221 55ea BHa35
Ba2-5aI IUW5 B-N3a -55ea aI/a HX5ea e- U5-5-NI -pHU UWa35UN/
5ea UN5aB aIU-5a 5H -5 BaR, M44 e- U5-5-2HN/5ea aW5aBN
1HB5UHNHX5ea -2UN aN5 TX T UWUNXa-WU2a 5HU 12a aN5
5ea BaWU -2U 1-353H 2I a 3H 1aNW5aI U 12a aN5UN/
T eU3e U22aXXa35Upa2 1BHpUIa 5ea W a BaWI B3a -NI
BaI 3a 5ea U 1-355H a2H 5ea WUNUX3-N3a 5eBaW-H2I , N
Ba -UNUN/U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN 12-NI
pa/a5-5UHN-NI U2I2DNa e- U5-5-NI Wa3UaWUW2aWW5e-NWUNUX3-N5

MDNUN/WE STR XHB4-N5-, N-RUpaBg-5aBRU/e5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

T HNWSB 35UHNHX5ea 2 N/a HH2 Ua2UNa H 2I IUW B HBBa Hpa
NHN 2WSaI WaNW5Upa 12-NWWa3UaWW3e - W 2 aBW -BJHW 222 -NI
-BB WWUNaX2H aB -NI 5eaUBe- U5-5

- H5aN5U-2T 1-35 ea BHa353H 2I IUW B HBBa Hpa NHN 2WSaI
WaNW5Upa 12-NWWa3UaWW3e - W 2 aBW -BJHW 222 -NI
-BB WWUNaX2H aB -NI 5eaUBe- U5-5 ea 1H5aN5U-2U 1-35WHX5ea
BHa35HNNHN 2WSaI WaNW5Upa 12-N5Wa3UaW-NI 5eaUBe- U5-5-Ba
IUW WaI UN5ea B-X5STR -51-/aW -NI -NI UN5ea
MUN-2STR -51-/aW 5eBH/e -NI 1-/a

T 1-35 BJHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHBa5a U5U-5UHN
a-WBaW T UN4a35UHN HX5ea B-X5STR UN
-IIU5UHN5H T T -NI T eU3e U22
UNU Ua 5ea e- U5-5-Ba- U 1-35aI 1BHpUa XHBe- U5-5BaW5HB-5UHN
a-WBaWX-3U25-5a -pHU-N3a HB UNU U-5UHNHX3HNW5B 35UHN
U 1-35WHNNHN 2WSaI WaNW5Upa 12-N5Wa3UaW-NI BaW5HBa
1HI 2-5UHNW-NI e- U5-5 eaBa 3HNW5B 35UHNU 1-35W-Ba
N-pHU- 2a ea U5U-5UHN a-WBaW U22-2WH3HNW2U-5a 5ea
3HNW5B 35UHN-35Up5UaW-I -3aN55Ha UW5UV IUW B -N3a-55ea
NHB5eaBNaI/a HX5ea e- U5-5-NI BaI 3a 5ea IUBa35-NI UNIUBa35
U 1-35W5H5eaWa WUa3UaW

I MUNIUV W aU5eaB 2 aBW -BJHW 222 NHB -BB WWUNaX2H aB
-WH WaBpaI UNBa3aN52 IUW B aI -Ba-W eU3e W//aW5We-5
WeHB5 5aB Ba3HpaB HX5ea Wa3UaW-NI e- U5-55H1Ba IUW B -N3a
2apa2WUW N2Ua2 H apaB 5ea 3H UNaI U 12a aN5-5UHNHX
T T T -NI T U22BaI 3a
U 1-35WHNNHN 2WSaI WaNW5Upa 12-N5Wa3UaW5H2aWW5e-NWUNUX3-N5
1BHpUIUV XHBe- U5-5BaW5HB-5UHN a-WBaW, N Ba -UNUV
U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNNHN 2WSaI
WaNW5Upa 12-N5Wa3UaW-NI 5eaUBe- U5-5UW2aWW5e-NWUNUX3-N5

T HNWSB 35UHNHX5ea 2 N/a HH2 Ua2UNa 3H 2I IUW B HBBa Hpa
e- U5-51H5aN5U-22 HB3 1UaI 2WSaI U2I2UXa Wa3UaWUN32 IUV 5ea ,
-NI 5ea 4 R

- H5aN5U-2T 1-35 ea BHa353H 2I IUW B HBBa Hpa e- U5-5
1H5aN5U-22 HB3 1UaI 2WSaI U2I2UXa Wa3UaWW3e - W, -NI
4 R ea 1H5aN5U-2U 1-35WHX5ea BHa35HNe- U5-51H5aN5U-22
HB3 1UaI UWSaI g U2I2UXa 41a3UaWUN32 IUV 5ea , -NI 5ea
4 R -BaIUW WaI UN5ea B-X5STR -51-/a -NI UN5ea
MUN-2STR -51-/a

MUNIUV WE STR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW
-Bbe

Tg S4 SR S T T -/a

T 1-35 BHHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 5 U5U-5UHN a-WBaW T T
T -NI T IUW WaI UNWa35UHNW -NI
HX5ea B-X5STR-NI UN4a35UHN HX5ea MUN-2STR -Ba
Ba3H aNIaI 5HXB5eaBBaI 3a 5ea 2aWW5e-NWUNUX3-N5U 1-35W

I MUNIUNW, 2eH/e 5ea e- U5-55 1a aUN Ba HpaI XHB5ea e-WaT
-NI e-WaTTT1UIa2UNa Wa/ aN5WUW aNaB-22 NH N5HW11HB55ea
3H-W5-2, -NI 5ea 4 R 5ea e- U5-5 U5eUN5ea -Ba- HXU 1-35
UWHX2H 5H HIaB-5a -215 MHB WaI WBpa WXHB H5e Wa3IaW
aBa 3HNI 35aI UN -NI BaW2aI UNNHH WBp-5UHNWHB-N
UNIU3-5UHNHXaU5eaBWa3IaW1BaWaN3a U5eUNHB-I -3aN55H5ea
2 N/a HH2 UIa2UNa 3HBBUHB TN-IIU5UHN 5ea , UWa 5Ba a2
B-Ba UN5ea Ba/UHN-NI NH BaaIUN/ 1-UBWe-pa aaNBa3HB-aI XHB
5ea -Ba- MB5eaB W5a Wa3UX3 UNXHB -5UHN/-5eaBaI I BUN/
N aBH WW5 IUaW3HNI 35aI -WI-B5HX5ea BHa35UNIU3-5aW5e-55ea
2 N/a HH2 UIa2UNa 3HBBUHB-Ba- UW N2Ua2 5H a aWaN5U-25H
4 R HB, 3HNWaBp-5UHN ea U 1-35UW2aWW5e-NWUNUX3-N5
1BHHB5H U5U-5UHN-NI XB5eaBBaI 3aI XH2H UN/ U5U-5UHN

a HN32 WUHN ea BHa35 U22e-pa-2aWW5e-NWUNUX3-N5U 1-35HN
e- U5-51H5aN5U-22 HB3 1UaI 2UW5aI UI2UXa Wa3UaW

T HNWBB35UHNHX5ea 2 N/a HH2 UIa2UNa 3H 2I IUW5 B HBBa Hpa
e- U5-51H5aN5U-22 HB3 1UaI NHN2UW5aI WaNW5Upa UI2UXa Wa3UaWW3e
-W5ea BBH UN/H 2-NI 5ea 4-N Ua/HeHBNaI 2U-B

- H5aN5U-2T 1-35 ea BHa353H 2I IUW5 B HBBa Hpa e- U5-5
1H5aN5U-22 HB3 1UaI NHN2UW5aI WaNW5Upa UI2UXa Wa3UaW ea
1H5aN5U-2U 1-35WHX5ea BHa35HNe- U5-51H5aN5U-22 HB3 1UaI
2UW5aI UI2UXa Wa3UaWW3e -W5ea BBH UN/H 2-NI 5ea 4-N
Ua/HeHBNaI 2U-B -Ba IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BHHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 5 U5U-5UHN a-WBaW T T -NI
T IUW WaI UNWa35UHN HX5ea B-X5STR U22XB5eaB
BaI 3a 5ea U 1-35W

I MUNIUNW HNWBB35UHNHX5ea 2 N/a HH2 UIa2UNa 3H 2I IUW5 B
HBBa Hpa e- U5-51H5aN5U-22 HB3 1UaI NHN2UW5aI WaNW5Upa
UI2UXa Wa3UaWW3e -W5ea BBH UN/H 2-NI 5ea 4-N Ua/H
eHBNaI 2U-B H1 2-5UHNWHX5eaWa Wa3UaWeH apaB-Ba/aNaB-22
NH5-W2H3-2UaI HBBB-Ba-W2UW5aI 5eBa-5aNaI HBaNI-N/aBaI Wa3UaW

MUNIUNWE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

5e-5-Ba-XXHBaI 1BH5a35UHN NIaBW5a-NI XaIaB-2W5-5 5aW e W
2HWWHXUNIUpUU-2WUWNH5a 1a35aI 5HW W5-N5U-22-XXa35Ba/UHN-2
1HI 2-5UHNW ea 5a 1HB-B 2HWWHXe-U5-5 1H5aN5U-2 HB5-215 HX-
XaUNIUpUU-2W-NIUNIUBa35aXXa35WHX3HNW5B35UHNHN-I-3aN5
e-U5-5 H 2I a-N-IpaBWa 52aWW5e-NWUNUX3-N5U 1-355H
Ba/UHN-21HI 2-5UHNWHXNHN2W5aI WaNW5Upa Wa3UaW

a HN32 WUHN ea BHa35 U22e-pa-2aWW5e-NWUNUX3-N5U 1-35HN
e-U5-51H5aN5U-22 HB3 1UaI NHN2W5aI U2I2Xa Wa3UaW

T HNW5B35UHNHX5ea H M2H HNNa35HB Ua2UNa H 2I IUW5B
-NI Ba Hpa 12-NI pa/a5-5UHN-NI U2I2Xa e-U5-5-NI 3-Wa HB5-215 UN
3H HN U2I2Xa Wa3UaW

- H5aN5U-2T 1-35 ea BHa353H 2I IUW5B-NI Ba Hpa 12-NI
pa/a5-5UHN-NI U2I2Xa e-U5-5-NI 3-Wa HB5-215 UN3H HN
U2I2Xa Wa3UaW ea 1H5aN5U-2U 1-35WHX5ea BHa35HN 12-NI
pa/a5-5UHN-NI U2I2Xa e-U5-5I a5H3HNW5B35UHNHX5ea H
M2H HNNa35HB Ua2UNa-Ba IUW5 WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 5 U5U-5UHN a-WBaW T -NI T
IUW5 WaI UNWa35UHN HX5ea B-X5STR U22 a
U 12a aN5aI 5HXB5eaBBaI 3a 5eaWa 2aWW5e-NWUNUX3-N5U 1-35W

I MUNIUNW HNW5B35UHNHXWa/ aN5WNH5 U5eUN5ea 2 N/a HH2
Ua2UNa H 2I BaW25UN5ea 5a 1HB-B Ba Hp-2HXBH/e2 -3BaW
HX1BU-B22 5aBBaW5BU-2 12-NI e-U5-5 ea -HB5 HX5eUWe-U5-5
-WIBapUH W2 IUW5B aI 3HNW5B35UHNHX4apaN -W-
ea IH NW5Ba- aNI HX5ea 1Ua2UNa H 2I 3BHWW-Na UW5UN
NN- aI 3e-NNa25H3HNNa355H5ea a UW5UN BaaNWH5 Ua2UNa
M2H W-Ba NH5e IBH2H/U3-22 HBe IB-2I3-22 3HNNa35aI 5H-N
H5eaBa aB/aN5/BH NI -5aBHBWBX3a -5aB eUW3e-NNa2UW
2Ua2 5HW11HB5HN2 W-22N aBWHX3H HN U2I2Xa Wa3UaW
a3-Wa U5UW2U U5aI UNU5Wa 5aN5 W11HB5W2H -215 e-U5-5
Ba3aUpaW-5aBXBH -Na UW5UN WaBaWHX1UaW-NI -5aB
1aB3H2-5aWUN5H5ea 4, R U5eUNWapaB-2e NIBaI Xaa5HX5ea 4 S
1H aBeH Wa HNW5B35UHNHX5ea H M2H HNNa35HB Ua2UNa
H 2I -2WHBaW25UN5a 1HB-B IUBa35-NI UNIUBa35U 1-35W5H
3H HN U2I2Xa Wa3UaWHB3 BBUN U5eUN-NI -I-3aN5 5H5ea
R g H apaB5ea 2HWWHX U2I2Xa e-U5-5-NI HB5-215 5H
3H HN U2I2Xa Wa3UaW-Ba 3HNWUaBaI 5H a2HB-2UaI -NI HX
UNHBU 1HB5-N3a a3-Wa HW5HX5ea -Ba-UWa 1a35aI 5HW11HB5
HN2 5ea HW5 U U5H W U2I2Xa Wa3UaWHX5ea -Ba-I a5H5ea

MUNIUNW ESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

1HHB -25 HX5ea e- U5-5 HNWSB35UHNHX5ea Xaa5HX H
M2H HNNa35HB Ua2DNa NH5UN5ea 2 N/a HH2 Ua2DNa 3HBBJHB
H 21 -XXa35- H 5 -3BaW-WW UN/ -3HNWSB35UHN3HBBJHB
Xaa5 Ua 4UN3a5ea 3HBBJHB H 21 UN32 Ia5ea -33aWWBH-I 5H
4apaN - W - 5ea -35 -2e- U5-5IUW5B-N3a H 21 a32HWaB5H
-3BaW a3- Wa HW5HX5ea -XXa35aI e- U5-5e-W aaNBa3aN52
IUW5BaI -NI Ba pa/a5-5aI XHB2aWW5e-N a-BWe-W2U U5aI e- U5-5
p-2a -NI UWWBBH NIaI H5eaBIUW5BaI e- U5-5 5ea 5a 1HB-B
3HNWSB35UHNU 1-35WHNpa/a5-5UHN U21 2Xa e- U5-5 -NI
1HI 2-5UHNWHX3H HN U21 2Xa Wa3UaW H 21 a2aWW5e-N
WUNUX3-N5 T 1-35WUN32 IUN/ WeHB5 5aB 2HWWHXpa/a5-5UHN-NI
U21 2Xa e- U5-5-NI 2HB-2UaI WeHB5 5aB BaI 35UHNWUN 1HI 2-5UHNW
HX3H HN U21 2Xa Wa3UaW H 21 a2aWW5e-NWUNUX3-N5 1BUHB5H
U5U-5UHN-NI XB5eaBBaI 3aI XH22H UN/ U5U-5UHN ea e- U5-5
-W a22-W2HB-2 U21 2Xa 1HI 2-5UHNW H 21 2Ua2 Ba3HpaB5H5eaUB
1BaWaN53HNIU5UHN U5eUN-Xa a-BW

a HN32 WUHN ea BHa35 U22e-pa-2aWW5e-NWUNUX3-N5U 1-35HN
12-NI pa/a5-5UHN-NI U21 2Xa e- U5-5

T HNWSB35UHNHX5ea H M2H HNNa35HB Ua2DNa 3H 21 IUW5B HB
Ba Hpa e- U5-51H5aN5U-22 H33 1UaI NHN2DW5aI WaNW5Upa U21 2Xa
Wa3UaW

- H5aN5U-2T 1-35 ea BHa353H 21 IUW5B HBBa Hpa e- U5-5
1H5aN5U-22 H33 1UaI NHN2DW5aI WaNW5Upa U21 2Xa Wa3UaW ea
1H5aN5U-2U 1-35WHX5ea BHa35HNe- U5-51H5aN5U-22 H33 1UaI
NHN2DW5aI WaNW5Upa U21 2Xa Wa3UaWI a5H3HNWSB35UHNHX5ea H
M2H HNNa35HB Ua2DNa -BaIUW5 WaaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 5 U5U-5UHN a-WBaW T T -NI
T IUW5 WaaI UNWa35UHN HX5ea B-X5STR U22XB5eaB
BaI 3a5eaWaU 1-35W

I MDNIUN/W HNWSB35UHNHX5ea H M2H HNNa35HB Ua2DNa 3H 21
IUW5B HBBa Hpa e- U5-51H5aN5U-22 H33 1UaI NHN2DW5aI
WaNW5Upa U21 2Xa Wa3UaW, 11BH U-5a2 Xaa5HX5ea
XHH5 H M2H HNNa35HB Ua2DNa H 21 a3HNWSB35aI H5WUa
5ea e-WaTTT 2N/a HH2 Ua2DNa 3HBBJHB HW5HX5ea N-5Upa
e- U5-51B-1HWaI XHBBa Hp-2-NI -I -3aN5-Ba-W-BaIH UN-5aI
2H -25 RUpaBWUa-NW/aW5B R44 -NI -Ba2Ua2 5HW11HB5
-W-22N aBHXUNIUpUU -2WHXNHN2DW5aI WaNW5Upa U21 2Xa
Wa3UaW HN2DW5aI WaNW5Upa Wa3UaWIH5aN5U-22 H33 BBUN/UN5ea

MDNIUN/WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

-Ba- UW32 Ia 2H/aBea-I WBUa 2-3 3eUNaI W-BBH -NI 5ea
4-N aBN-BUNH H N5-UN UW WW- a TN-I I U5UHN5H5a 1HBB
2HWWHXe- U5-5 BHa353HNWBB35UHN H 2I BaW25UNWH a
N-pHU- 2a HB5-215 HXNHN2IW5aI WaNW5Upa UI2IXa Wa3IaWUN5ea
R g -NI IUW B UI2IXa UN-I -3aN5e- U5-5W H apaB5eUW
U 1-35UWNH5a 1a35aI 5HW W-N5U22 -XXa35Ba/UHN-21HI 2-5UHNW
HXNHN2IW5aI WaNW5Upa Wa3IaW ea U 1-35Ba1BaWaN5W-N-IpaBWa
52aWW5e-NWUNUX3-N5U 1-35 a3- Wa 1HI 2-5UHNWHXNHN2IW5aI
WaNW5Upa Wa3IaW-Ba NH55 1U3-22 -WUWI2-5aI -WIW5aI Wa3IaW-NI
5ea - H N5HXe- U5-55H a-XXa35aI UW UNU-2-NI HBBHX2H
-215

a HN32 WHN ea BHa35 U22e-pa-2aWW5e-NWUNUX3-N5U 1-35HN
e- U5-51H5aN5U22 HB3 1IaI NHN2IW5aI WaNW5Upa UI2IXa
Wa3IaW

T HNWBB35UHNHX5ea HB5HN -N HN HNNa35HBTT Ua2INa H 2I
IUW B -NI Ba Hpa 12-NI pa/a5-5UHN-NI UI2IXa e- U5-5-NI 3- Wa
HB5-215 HX3H HN UI2IXa Wa3IaW

- H5aN5U2T 1-35 ea BHa353H 2I IUW B -NI Ba Hpa 12-NI
pa/a5-5UHN-NI UI2IXa e- U5-5-NI 3- Wa HB5-215 HX3H HN
UI2IXa Wa3IaW ea 1H5aN5U2U 1-35WHX5ea BHa35HN 12-NI
pa/a5-5UHN-NI UI2IXa e- U5-5-NI UI2IXa Wa3IaWI a 5H5ea
3HNWBB35UHNHX5ea HB5HN -N HN HNNa35HBTT Ua2INa -Ba
IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U2
U 1-35 5 U5U-5UHN a-WBaW T -NI T
IUW WaI UNWa35UHN HX5ea B-X5STR U22XB5eaBBaI 3a
5eaWaU 1-35W

I MINIUNW HNWBB35UHNHX5ea HB5HN -N HN HNNa35HBTT H 2I
BaW25UNBa Hp-2HXpa/a5-5UHN-NI UI2IXa e- U5-5-NI HB5-215 HX
UNIUpU -2WHX3H HN UI2IXa Wa3IaW-2HN/U5W-11BH U -5a2
XHH5-2UN aN5 ea -XXa35aI pa/a5-5UHN3HNWW5W HW52 HX
BIaB-2pa/a5-5UHN-NI -paB W-22- H N5HXIUW B aI R, M44
R44 -NI BUJ-BJ-NWBB 5e-5UWIH UN-5aI W-55aBaI 2aX-5
12-N5W BHa353HNWBB35UHN H 2I -2WIBaW25UNWH a UI2IXa UN
-I -3aN5e- U5-5WUN32 IUW a22IapaZHIaI BUJ-BJ-Ne- U5-5UN
HB5HN -N HN , WW UW - XHH5 Ua 3HNWBB35UHNR g
-11BH U -5a2 -3BaWHXe- U5-5 H 2I a U 1-35aI I BIW 5ea
UNW-22-5UHNHX5eUWIUa2INa H a52-NI pa/a5-5UHN H 2I a
IUBa352 -XXa35aI a3- WaHX5ea UNU-2- H N5HXN-5Upa e- U5-5
IUW B -N3a -NI 5ea 2H N aBHX-NU-2W2Ua2 5H a -XXa35aI

MINIUNW WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

5ea HpaB-22U 1-35HNpa/a5-5UHN-NI U21ZXa H21 a 2aWW5e-N WUNUX3-N5 M-H2H UN U5U-5UHN 2aWW5e-NWUNUX3-N5U 1-35W UN32 IUN WeHB5aB 2HWWHXpa/a5-5UHN-NI U21ZXae- U5-5-NI 2HB-2UaI WeHB5aB BaI 35UHNWUN1Hl 2-5UHNWHX3H HN U21ZXa Wa3UaW H21 a XB5eaBBaI 3aI ea e- U5-5-W a22-W2HB-2 U21ZXa 1Hl 2-5UHNW H21 a a 1a35aI 5HBa3HpaB5H5eaUB1BaWN5 3HNIU5UHN U5eUN-Xa a-BW

a HN32WUHN ea BHa35 U22e-pa-2aWW5e-NWUNUX3-N5U 1-35HN 12-NI pa/a5-5UHN-NI U21ZXae- U5-5

T HNWSB35UHNHX5ea HB5HN -N HN HNNa35HBTT Ua2ZNa 3H21 IUW5 B HBBBa Hpae- U5-51H5aN5U-22 HB3 1UaI NHN2ZW5aI WaNW5Upa U21ZXa Wa3UaW

- H5aN5U-2T 1-35 ea BHa353H21 IUW5 B HBBBa Hpae- U5-5 1H5aN5U-22 HB3 1UaI NHN2ZW5aI WaNW5Upa U21ZXa Wa3UaW ea 1H5aN5U-2U 1-35WHX5ea BHa35HNe- U5-51H5aN5U-22 HB3 1UaI NHN2ZW5aI WaNW5Upa U21ZXa Wa3UaWI a 5H3HNWSB35UHNHX5ea HB5HN -N HN HNNa35HBTT Ua2ZNa-BaIUW5 WaI UN5ea B-X5 STR-51-/a -NI

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 5 U5U-5UHN a-WBaW T T -NI T U22XB5eaBBaI 3a5eaWaU 1-35W

I MUNIUN/W HNWSB35UHNHX5ea HB5HN -N HN HNNa35HBTT Ua2ZNa 3H21 IUW5 B HBBBa Hpae- U5-51H5aN5U-22 HB3 1UaI NHN2ZW5aI WaNW5Upa U21ZXa Wa3UaW eaWaWa3UaW - UN32Ia 5ea2H//aBea-IWeBUa 4-N Ua/H HHIB5-NI 4-N aBN-BIUNH H N5-UN UNWW- a TN-IIU5UHN5H5a 1HB-B 2HWWHXe- U5-5 3HNWSB35UHN H21 BaW25UNWI a N-pHUU-2a HB5-215 HX UNIUpUU-2WHX5eaWaWaNW5Upa Wa3UaWUN5ea R g -NI 5a 1HB-B IUW5 B-N3a5HUNIUpUU-2WUN-I-3aN5e- U5-5W a3- Wa 1Hl 2-5UHNWHXNHN2ZW5aI WaNW5Upa Wa3UaW-Ba NH55 1U3-22 UWW2-5aI -W2ZW5aI Wa3UaW-NI 5ea- H N5HXe- U5-55H a-Xa35aI UW UNU-2-NI 2H UN -215 5eUWU 1-35UWNH5a 1a35aI 5H W W5-N5U-22 -Xa35Ba/UHN-21Hl 2-5UHNWHXNHN2ZW5aI Wa3UaW-NI Ba1BaWaN5W-N-IpaBWa 52aWW5e-NWUNUX3-N5U 1-35 U5U-5UHN a-WBaW U22XB5eaBBaI 3a5eaWaU 1-35W

a HN32WUHN ea BHa35 U22e-pa2aWW5e-NWUNUX3-N5U 1-35WHN e- U5-51H5aN5U-22 HB3 1UaI NHN2ZW5aI WaNW5Upa U21ZXa Wa3UaW

3 apU2 -N HN HNWBB 35UHN, Ba-

T HNWBB 35UHN HX apU2 -N HN -WW Ua2UNa H 2I IUW B HBBa Hpa 12-NI a52-NI BJ-B-Npa/a5-5UHN-NI U2I2UXa e- U5-5 -NI 3- Wa HB5-215 UN3H HN U2I2UXa Wa3UaW

- H5aN5U-2T 1-35 ea B-Ha353H 2I IUW B HBBa Hpa 12-NI a52-NI BJ-B-Npa/a5-5UHN-NI U2I2UXa e- U5-5-NI 3- Wa HB5-215 UN3H HN U2I2UXa Wa3UaW ea 1H5aN5U-2U 1-35WHX5ea B-Ha35HN 12-NI a52-NI BJ-B-Npa/a5-5UHN-NI U2I2UXa e- U5-5 -NI 3H HN U2I2UXa Wa3UaW-Ba IUW WaI UN5ea B-X5STR-5 1-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea B-Ha35 U22UN3HB1HB-5a U5U-5UHN a-WBaW T -NI T UN4a35UHN HX5ea B-X5STR eU3e U22aNWBa5e-55ea e- U5-5-W a22-W2HB-2 U2I2UXa 1H1 2-5UHNW U22Ba3HpaB5H1Ba B-Ha353HNI U5UHNW U5eUN-Xa a-BW

I MUNI UN W M-H2H UN 3H 12a5a Ba Hp-2I a 5H5ea UNW5-22-5UHNHX-1Ua2UNa XHB-NH5eaB1B-Ha35 5ea e- U5-5W-NI 1H1 2-5UHNW5e-5 H 2I a-XXa35aI -55ea apU2 -N HN HNWBB 35UHN, Ba-Ba/aNaB-5aI U5eUN-Xa a-BW5H5eaUB3 BBaN5W5-5a T5UW5eaBaXHBa a 1a35aI 5e-5 U5e U5U-5UHN 5ea e- U5-5-NI 2HB-2 U2I2UXa 1H1 2-5UHNW H 2I WU U2-B2 Ba3HpaB5H5eaUB1BaWaN53HNI U5UHN U5eUN-Xa a-BW-XaB5ea B-Ha35 a3- Wa5ea B-Ha35 H 2I 3B-HWW-IB-UN-/a-NI 1H5aN5U-2 a52-NI W-1B-BaWWHpaB eU3e H5e 5ea 4, S-NI 5ea M e-pa Ba/2-5HB-5eHB5 H5eaB-35UHNW BaW25UN XBH 3HHB-UN-5UHN U5e 5eaWa-/aN3UaW - -2WI a U12a aN5aI , N Ba -UNUN U1-35W U22 a2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea B-Ha35HN 12-NI a52-NI -NI BJ-B-Npa/a5-5UHN-NI 3H HN U2I2UXa Wa3UaWUW 2aWW5e-NWUNUX3-N5

T HNWBB 35UHNHX5ea apU2 -N HN 1-WW Ua2UNa 3H 2I IUW B e- U5-51H5aN5U-22 HB3 1UaI 2UW5aI -NI NHN2UW5aI WaNW5Upa U2I2UXa Wa3UaW

- H5aN5U-2T 1-35 ea B-Ha353H 2I IUW B e- U5-51H5aN5U-22 HB3 1UaI 2UW5aI -NI NHN2UW5aI WaNW5Upa U2I2UXa Wa3UaW ea 1H5aN5U-2U 1-35WHX5ea B-Ha35HN2UW5aI -NI NHN2UW5aI WaNW5Upa U2I2UXa Wa3UaWI a 5H3HNWBB 35UHNHX5ea apU2 -N HN -WW Ua2UNa -Ba IUW WaI UN5ea B-X5STR-51-/a

MUNI UN WE STR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW -Be

Tg S4 SR S T T -/a

T 1-35 BHBSH U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 5 U5U-5UHN a-WBaW T T -NI T IUW WaI UNWa35UHN HX5ea B-XSSTR U22XB5eaB BaI 3a 5eaWa 2aWW5e-NWUNUX3-N5U 1-35W

I MUNIUNVW ea e- U5-51BH1HWaI XHBBa Hp-2UWW-BWa2 pa/a5-5aI -NI N2Ua2 5HW11HB5- UIa IUpaBW5 HX U2I2Xa Wa3UaW -2eH/e-Xa NHN2W5aI WaNW5Upa Wa3UaW5e-5-Ba HBa3H HN UN5ea Ba/UHN W3e-W5ea B XH W3BH NaI W-BBH -NI 5ea NHB5eaBN BaI IU- HNI B-552aW- a - H33-WUHN-22 XHB/a U5eUN5eUW BHa353HNWSB35UHN-Ba- ea 5a 1HB-B 2HWWHXe-U5-5 IUW B-N3a HXUNIUpUU -2WUNWBBH NIUNV e- U5-5-Ba-W-NI 1H5aN5U-2 HB5-215 HXUNIUpUU -2WHXNHN2W5aI WaNW5Upa Wa3UaW H 2I a 2H3-2UaI U5e Xa UNIUpUU -2W2Ua2 5H a-Xa35aI I a 5H 5ea 1HHB -215 HX HW5HX5ea e- U5-5 a3- Wa 1H1 2-5UHNWHX NHN2W5aI WaNW5Upa Wa3UaW-Ba NH55 1U3-22 -WUW2-5aI -W5eHWa HX 2W5aI Wa3UaW2HWWHXUNIUpUU -2WUWNH5a 1a35aI 5HW W5-N5U-22 -Xa35Ba/UHN-21H1 2-5UHNW-NI Ba1BaWaN5W-N-IpaBWa 52aWW5e-N WUNUX3-N5U 1-35 eaWaU 1-35W-Ba a 1a35aI 5H a XB5eaB BaI 3aI XH2H UNV U5U-5UHN

a HN32WUHN ea BHa35WU 1-35HNe- U5-51H5aN5U-22 H33 1UaI 2W5aI -NI NHN2W5aI WaNW5Upa U2I2Xa Wa3UaW U22 a 2aWW5e-N WUNUX3-N5

I 52a Baa HNWSB35UHN, Ba-

T HNWSB35UHNHX5ea H aB 52a Baa Ua2INa H 2I IUW B HBBa Hpa 12-NI pa/a5-5UHN-NI U2I2Xa e- U5-5-NI 3- Wa HB5-215 UN3H HN U2I2Xa Wa3UaW

- H5aN5U-2T 1-35 ea BHa353H 2I IUW B HBBa Hpa 12-NI pa/a5-5UHN-NI U2I2Xa e- U5-5-NI 3- Wa HB5-215 UN3H HN U2I2Xa Wa3UaW ea 1H5aN5U-2U 1-35WHX5ea BHa35HN 12-NI pa/a5-5UHN-NI U2I2Xa e- U5-5-NI U2I2Xa Wa3UaWI a 5H 3HNWSB35UHNHX5ea H aB 52a Baa Ua2INa -Ba IUW WaI UN5ea B-XSSTR -51-/a

T 1-35 BHBSH U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 5 U5U-5UHN a-WBaW T -NI T IUW WaI UNWa35UHN U22XB5eaBBaI 3a 5eaWa 2aWW5e-NWUNUX3-N5U 1-35W

I MDNUNW HNWBB35UHNHX5ea H aB 52a Baa Ua2DNa H 2I
IUW B HBBa Hpa 12-NI pa/a5-5UHN-NI U2I2DXa e- U5-5-NI 3- Wa
HB5-215 UN3H HN U2I2DXa Wa3UaW HWBHX5ea -2I/N aN5HX
5eUWIBHIHWaI 1Ua2DNa H33 BW U5eUN5ea Npa/a5-5aI BH-I -
WeH 2IaBHXRUpaBWUa , paN a -NI -55ea 1BHIHWaI W-/UW -Ba-
aWW5e-N -3Ba HXN-5Upa pa/a5-5UHNW H 2I a IUW B aI -55ea
WI 5eaBNaNI HX5ea 1Ua2DNa 3HBBUHB-I -3aN55H5ea MHN5-N- H aB
2-N5 eUWe- U5-5UW-I -3aN55HIUW B aI -Ba-W 5-52a-WWH a
HXU5-11a-BWBH3HN5-UNWa2a aN5WHXR, M44 HBR44 e- U5-5 H5e
HX eU3e -Ba M eU/eaW91BUHB5 3H N5UaW eaWa e- U5-5
5 1aW-Ba 1Bap-2aN5UNNa-B NIUW B aI -Ba-WHN5ea -22 pU-2X-N
-NI 5eaWa 3H N5UaW-Ba 2Ua2 5HW11HB5- p-Bad5 HX3H HN
U2I2DXa Wa3UaW H apaB1HI 2-5UHNWUN5eUW-Ba- -Ba 2Ua2
Ia1BaWaI I a 5H5ea -35pU5UaWHXe -NW3-5W-NI IH/WNHUWa -NI
NU/e55U a 2U/e5UN/UpaNU5W2HB-5UHNU aIU-5a2 -I -3aN55H-
1H aB12-N5 BH-I - -NI eH WUW IapaZHI aN5W TN-I IU5UHN5H
5ea e- U5-52HWW3HNWBB35UHN H2I 2Ua2 BaW25UN HB5-215 HX
UNIUpUU -2WHX3H HN U2I2DXa Wa3UaW ea 5a 1HB-B
3HNWBB35UHNU 1-35WHNpa/a5-5UHN U2I2DXa e- U5-5 -NI
1HI 2-5UHNWHX3H HN U2I2DXa Wa3UaW H2I a 2aWW5e-N
WUNUX3-N5 a3- Wa5ea -Xa35aI e- U5-51-53eaW-Ba W -22
IUW B aI -NI -I -3aN55Ha UWUW IapaZHIaI -Ba-W5eaUBp-2 a5H
U2I2DXa UW2U U5aI

a HN32 WUHN ea BHa35WU 1-35HN 12-NI pa/a5-5UHN-NI
U2I2DXa e- U5-5 U22 a 2aWW5e-NWUNUX3-N5

T HNWBB35UHNHX5ea H aB 52a Baa Ua2DNa 3H 2I
IUW B HBBa Hpa e- U5-51H5aN5U-22 HB3 1UaI NHN2UW5aI WaNW5Upa
U2I2DXa Wa3UaW

- H5aN5U-2T 1-35 ea BHa353H 2I IUW B HBBa Hpa e- U5-5
1H5aN5U-22 HB3 1UaI NHN2UW5aI WaNW5Upa U2I2DXa Wa3UaW ea
1H5aN5U-2U 1-35WHX5ea BHa35HNe- U5-51H5aN5U-22 HB3 1UaI
NHN2UW5aI WaNW5Upa U2I2DXa Wa3UaWI a 5H3HNWBB35UHNHX5ea
H aB 52a Baa Ua2DNa -Ba IUW WaI UN5ea B-X5STR -51-/aW
-NI

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 5 U5U-5UHN a-WBaW T T -NI
T IUW WaI UNWa35UHN HX5ea B-X5STR H2I XB5eaB
BaI 3a 5eaWa 2aWW5e-NWUNUX3-N5U 1-35W

I MDNUNW - U5-51BHIHWaI XHBBa Hp-2UW2Ua2 5HW11HB5WapaB-2
NHN2UW5aI WaNW5Upa U2I2DXa Wa3UaW ea e- U5-5UW2HB-5aI

MDNUNWESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

BaWH B3aW2HB-5aI U5eUN5ea BaWaBpHUB-Ba- 1 5Ha2ap-5UHN
Xaa5 -NI 1BHpUaI U5U-5UHNXHB5eUW2HWW, W- BaW25 B-Ha35
HIaB-5UHNW H 2I N-H5BaW25UN-N -I I U5UHN-2U 1-35W 1WBa- HX
5ea I- ea B-Ha35 H 2I W a35- W -221HB5UHNHX5ea 11aB
4, R U aI U-5a2 1WBa- HX4apaN - W - 5H1aBUHI U3
UN NI-5UHN , IpaBWaXXa35W-WWB3U-5aI U5eUN3Ba-WaI - -5U3
e- U5-5-NI I B-5UHNHXUN NI-5UHN W3e-WaW5- 2UWe aN5HX
UN5BHI 3aI XUWe Wa3UaW-Ba N-H5a 1a35aI I a 5H5ea BapU5 HX
UN NI-5UHN-W a22-WHIaB-5UN 1B-HBaI BaW5e-5 -UN5-UN-I B
Wa/ aN5HXBBpaB a5 aaN5ea BaWaBpHUB-NI 11aB a55aI Ba-3eaW

a HN32 WUHN ea B-Ha35 WU 1-35HN5ea a3H2H/ HX5ea 4apaN
- W - -NI RaWaBpHUB, Ba- U22 a 2aW5e-NWUNUX3-N5

4-N5-, N- RUpaB

T RaI 35UHNUNXBa aN3 -NI a 5aN5HXX2HHI X2H W3H 2I
-IpaBWa2 U 1-35R, M44 BaI 3UN 5ea XBa aN3 -NI a 5aN5HXe- U5-5
BaNa -21B-BaWaWUN5eUWN-5 B-23H N55 5 1a

- H5aN5U-2T 1-35 ea B-Ha353H 2I -IpaBWa2 U 1-35R, M44
BaI 3UN 5ea XBa aN3 -NI a 5aN5HXe- U5-5BaNa -21B-BaWaW
ea 1H5aN5U-2U 1-35WHX5ea B-Ha35HN5ea XBa aN3 -NI a 5aN5HX
e- U5-5BaNa -2-BaIUW WaI UN5ea B-XSSTR-51-/aW
5eBH/e -NI UN5ea MUN-2SSTR-51-/aW 5H 5H
5H -NI

T 1-35 BUHB5H U5U-5UHN aW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa- W -223e-N/a UNX2HHIUN XBa aN3 H 2I N-H5
e-pa-N-H5U3a- 2a HBa3H2H/U3-22 a-NUN/X2aXXa35HN5ea
pa/a5-5UHN-NI e- U5-5UN5eUWa/ aN5-NI aXXa35W H 2I a 2aW
5e-NWUNUX3-N5

I MUNIUN/W ea BaI 35UHNUNXBa aN3 -NI a 5aN5HXX2HHI X2H W
3H 2I -IpaBWa2 U 1-35R, M44 BaI 3UN 5ea XBa aN3 -NI
a 5aN5HXe- U5-5BaNa -21B-BaWaWUN5eUWN-5 B-23H N55 5 1a
a5 aaN 552a g aUB-NI 5ea U22 Baa 3HNX2 aN3a B-Ha35
IUpaBWUHNW 1 5H 3XW H 2I Ia3Ba-Wa5ea 1H5aN5U-2XHBeUe
X2H W5HX2HHI a2ap-5aI 5aBB-3aW U5eUN5ea 3e-NNa2I BUN
- U Ba2a-WaWXBH 4apaN - W - 3XW eUW
1H5aN5U-2XHB- BaI 35UHNUN5ea XBa aN3 HXN-5 B-21e W3-2
IUW B-N3a-NI 3H N55 BaWB-35 BUN -3B-HWW5eaWa 5aBB-3aW
3H 2I BaW25UN5ea apaN5-2W33aWUHNHXa-B2 -NI 1HWU2
UN5aB aI U-5a R, M44 5H -5 Ba R, M44 ea XBa aN3 HXX2HHI
W3H BUN apaN5WHN5eaWa 5aBB-3aW a5 aaN 552a g aUB-NI 5ea U22

Baa 3HNX2 aN3a H 21 a BaI 3aI XBH -N-paB-/a HXHN3a apaB
a-BW5HHN3a apaB a-BW g U5e Ba/-B 5HR, M44-W-
N-5 B-23H N\5 5 1a 5ea 2Ua2 3HNWa aN3a HX5eUW3e-N/a
H 21 a-/B-I -2 -5 B-5UHNHX5ea pa/a5-5UHN-NI W33aWWHN
5H -B -N-22 pU-23e-1-BB-2 U5e WH a Wa3UaWIUW11a-BDN XBH
5ea U-NI H5eaBW-11a-BDN eaWa 3e-N/aW H 21 HB3 BHN-
5U a W9-2a HXIa3-IaW5H3aN5 BaW TN4a/ aN5 1BHa35aI 3e-N/a
UNX2HHI XBa aN3 XBH -Ba5 BNUN5aBp-2HX a-W5H-Ba5 BN
UN5aBp-2HX a-BW H 21 a a 1a35aI 5HBaW25UN-/B-I -2 5
a-WB-2a 3e-N/a -5 B-5UHN UNpa/a5-5UHNHN5aBB-3aW-NI
-N W U5eUN5ea 3e-NNa2 MBH 5ea W9-NI 1HUN5HX5ea R, M44
N-5 B-23H N\5 5eaWa 3e-N/aW-Ba NH5Na3aWWB2 -IpaBWa
-5 Ba R, M44 5aNI W5H a W9-B-3a Ba2-5Upa 5H5ea H5eaB
Ba1BaWaN5-5UHNWHXR, M44 a/U -5 Ba UN5aB aI U-5a -5 Ba
R, M44 a3- Wa U5 5 1U3-22 UWX B5eaBXBH 5ea -35Upa BpaB
3e-NNa2 5aNI W5H a UN-Ba-W HBa a-W2 Iapa2HIaI 5e-NH5eaB-/aW
HXR, M44 -NI e-W aaNBaI 3aI UNa 5aN5apaN HBa 5e-N5ea
H N/aB5 1aW eaBaXHBa U5e Ba/-B 5H5ea R, M44 N-5 B-2
3H N\5 -Ia3Ba-Wa UNX2HHI XBa aN3 3H 21 BaW25UN5ea
3Ba-5UHNHX HBa -5 Ba R, M44 e-N/a 5H- HBa -5 Ba
R, M44 UW-2aWW5e-NWUNUX3-N5U 1-35-NI NH U5U-5UHNUW
Ba UBaI W5IH NW5Ba- XBH 5ea 3HNX2 aN3a U5e U22 Baa
4a/ aN5 BHa35 Ba2-5aI 3XWUpaBWUHNW H 21 BaI 3a
5ea -Ba- -Xa35aI HpaB-N X2HHI UN NI-5UHN - H5 1aB3aN5
UN- a-BX2HHI -NI 2aWW5e-N 1aB3aN5UN- a-BX2HHI TN
aXa35 BHa35 Ba2-5aI IUpaBWUHNW H 21 UN3Ba-Wa 5ea 5U a a5 aaN
X2HHI /aNaB-5aI UN NI-5UHNapaN5WUN5eaWa-Ba-W ea Xa aN3 HX
HpaB-N X2HHIUN apaN5W H 21 a BaI 3aI XBH -N-paB-/a HX
HN3a apaB a-BW5HHN3a apaB a-BW, /-UN - W -223e-N/a
UNX2HHIUN XBa aN3 H 21 NH5e-pa - NH53a- 2a HBa3H2H/U3-22
a-NUN X2aXa35HN5ea pa/a5-5UHN-NI e- U5-5UN5eUWWa/ aN5-NI
aXa35W H 21 a 2aWW5e-NWUNUX3-N5-NI NH U5U-5UHNUWBa UBaI

a HN32 WUHN ea BHa35 WU 1-35HN5ea a3H2H/ HX5ea 4apaN
- W - -NI RaWaBpHUB, Ba- U22 a 2aWW5e-NWUNUX3-N5

T - RaI 35UHNUNXBa aN3 -NI a 5aN5HXX2HHI X2H W3H 21
-IpaBWa2 U 1-35WaNIaBeHBNaI WUNaX2H aB BaI 3UN 5ea XBa aN3
-NI a 5aN5HXe- U5-5BaNa -21BHBaWaWUNR, M44 e- U5-5

- H5aN5U-2T 1-35 ea BHa353H 21 -IpaBWa2 U 1-355ea WaNIaB
eHBNaI WUNaX2H aB BaI 3UN 5ea XBa aN3 -NI a 5aN5HXe- U5-5
BaNa -21BHBaWaWUNR, M44 e- U5-5 ea 1H5aN5U-2U 1-35WHX5ea
BHa35HN5ea XBa aN3 -NI a 5aN5HXe- U5-5BaNa -2-Ba
IUW WaI Wa3UX3-22 UN5ea MUN-2STR-51-/a -NI /aNaB-22
HN1-/aW 5eBH/e

MUNI UN/WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B e

Tg S4 SR S T T -/a

T 1-35 BHHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWlH5aN5U-2 U 1-35 a3- Wa 5ea WZaNlaBeHBNaI WUNaXZH aBUWNH5 NH N5H H33 B a5 aaN 552a g aUB-Nl 5ea U22 Baa 3HNX2 aN3a -Nl eaBa U5 - H33 B -N XZHHlUN XBa aN3 U 1-35WHX5ea BHa35 H 2l a 2aWW5e-NWUNUX3-N5

I MDNlUNW a5 aaN 552a g aUB-Nl 5ea U22 Baa 3HNX2 aN3a 4, R 4a/ aN5 5ea WZaNlaBeHBNaI WUNaXZH aBUWNH5 NH N5H H33 B SpaNUX- WaaI WH B3a XHBWZaNlaBeHBNaI WUNaXZH aB aBa 1BaWaN5UN4a/ aN5 U 1-35WXBH - -5 B-5UHNHXR, M44 e- U5-5I a 5H- BaI 35UHNUNXBa aN3 -Nl a 5aN5HXXZHHlXZH W H 2l NH5-XXa355ea WZaNlaBeHBNaI WUNaXZH aB a3- Wa WHl2WUN 5eUWWa/ aN5-Ba/aNaB-22 NWU5- 2a H NWBa- XBH 5ea 3HNX2 aN3a U5e U22 Baa 4a/ aN5 WZaNlaBeHBNaI WUNaXZH aBUW NH NeUWHB3-22 5HHB3 B ea BHa35 H 2l BaI 3a 5ea XBa aN3 HXHpaB-N XZHHlUN apaN5WXBH -N-paB/a HXHN3a apaB a-BW5HHN3a apaB a-BW ea WZaNlaBeHBNaI WUNaXZH aBUWXH Nl UNUN5aB aIU-5a 5H -5 Ba 1e-Wa R, M44 eU3e UW-WaWBU-5aI U5e UNXBa aN5XZHHlUN apaN5WUa apaB 5H a-BW eaBaXHBa 5eUWW-223e-N/a UNXZHHlUN XBa aN3 H 2l NH5e-pa-NH5U3a- 2a HBa3HZH/U3-22 a-NUN/X2aXXa35HN 5ea WZaNlaBeHBNaI WUNaXZH aBHBH5eaBpa/a5-5UHN-Nl e- U5-5UN 5eUWWa/ aN5

a HN32 WUHN T 1-35WXBH 5ea BHa35HN5ea WZaNlaBeHBNaI WUNaXZH aB H 2l a 2aWW5e-NWUNUX3-N5

T RaI 35UHNUNXBa aN3 -Nl a 5aN5HXHpaB-N XZHHlUN 3H 2l -IpaBWa2 -XXa35 , e- U5-5

- H5aN5U-2T 1-35 ea BHa353H 2l -IpaBWa2 U 1-35 -2UXHBNU-/N-53-53eaBe- U5-5 ea 1H5aN5U-2U 1-35WHX5ea BHa35HN5ea XBa aN3 -Nl a 5aN5HXe- U5-5BaNa -2-Ba IUW WaI Wa3UX3-22 UN5ea MDN-2STR-51-/aW -Nl

T 1-35 BHHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWlH5aN5U-2 U 1-35 a3- Wa , UWNH5 NH N5H BaaI UN5ea BHa35-Ba-

I MDNIUNW ea -2UXHBNU/N-53-53eaBUWNH5 NH N5H BaaI UN5ea BHa35-Ba- -NI 5eaBa e-pa aaNHN2 - e-NIX2HXWUe5UNWUN5ea BHa35-Ba- ea , UW-WWBU-5aI U5e UN5aB aIU-5a 5H -5 Ba R, M44 e- U5-5W a3- WaUN5aB aIU-5a 5H -5 Ba R, M44 e- U5-5W H 2I -5 Ba WH 2 UN5ea - WaN3a HXX2HHI IUW B-N3a - 2HNVaB X2HHI Ba5 BNUN5aBp-2UN4a/ aN5 U22NH5U 1-355ea e- U5-5W WU5- U25 XHB , H NWBa- XBH 5ea 3HNX2 aN3a U5e U22 Baa 4a/ aN5 5ea BHa35 H 2I BaI 3a 5ea XBa aN3 HX HpaB-N X2HHIUNV apaN5WXBH -N-paB/a HXHN3a apaB a-BW 5HHN3a apaB a-BW a3- Wa , UW-WWBU-5aI U5e UN5aB aIU-5a 5H -5 Ba R, M44 5eUWW-223e-NVa UNX2HHIUNV XBa aN3 H 2I NH5e-pa - NH53a- 2a HBa3H2H/U3-22 a-NUNVX2 aXXa35HN5ea ,

a HN32 WHN T 1-35WXBH 5ea BHa35HN -2UXHBNU/N-53-53eaB e- U5-5 U22 a 2aWW5e-NWUNUX3-N5

T RaI 35UHNUNXBa aN3 -NI a 5aN5HXHpaB-N X2HHIUNV 3H 2I -IpaBWa2 -XXa354 R-NI 4-N5-, N-RUpaB HH22 W5-Be- U5-5 IH NWBa- HX5ea 3HNX2 aN3a U5e U22 Baa

- H5aN5U-2T 1-35 ea BHa353H 2I -IpaBWa2 -XXa354 R-NI 5ea 4-N5-, N-RUpaB HH22 W5-Be- U5-5 ea 1H5aN5U-2U 1-35WHX 5ea BHa35HN5ea 4 R-NI 4, R HH22 W5-Be- U5-5IH NWBa- HX5ea 3HNX2 aN3a U5e U22 Baa -BaIUW WaI UN5ea B-XSSTR-5 1-/aW -NI -NI UN5ea MDN-2STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U1-35 a3- Wa5ea U1-35aI -BaUWNH5a 1a35aI 5H a-IpaBWa2 -XXa35aI I a 5H5ea 2-3 HXNH53a- 2a 3e-NVa UNe- U5-53HNIU5UHNW

I MDNIUNW W W5IH NWBa- XBH 5ea 3HNX2 aN3a U5e U22 Baa 4a/ aN5 BHa35Ba2-5aI 3XWIUpaBWHNW H 2I BaI 3a 5ea -Ba- -XXa35aI HpaB-N X2HHIUNNI-5UHNUN -NI a-B X2HHIW - H 5 1aB3aN5-NI 2aWW5e-N 1aB3aN5 BaWa35Upa2 TN aXXa35 BHa35Ba2-5aI IUpaBWHNW H 2I UN3Ba-Wa5ea 5U a a5 aaN X2HHI /aNaB-5aI UN NI-5UHNapaN5WUN5eaWa-Ba-W ea XBa aN3 HX HpaB-N X2HHIUNV apaN5W H 2I a BaI 3aI XBH -N-paB/a HX HN3a apaB a-BW5HHN3a apaB a-BW, 3e-NVa UN5ea Ba3 BBaN3a UN5aBp-2HX a-BWHB HBa UW-N53UI-5aI 5He-pa-N -IpaBWa aXXa35HN4, R HH22 W5-B-NI 4 R e- U5-5 , W-22 3e-NVa UNX2HHIUNV XBa aN3 H 2I NH5e-pa - NH53a- 2a HB a3H2H/U3-22 a-NUNVX2aXXa35HN5ea pa/a5-5UHN-NI e- U5-5UN5eUW Wa/ aN5-NI BHa35U 1-35WHN4 R-NI 4-N5-, N-RUpaB HH22 W5-BIH NWBa- HX5ea U22 Baa 3HNX2 aN3a H 2I a

2aWW5e-NWUNUX3-N5 , 2eH/e5eaU1-35aI-Ba-UW2Ua25H a
HB31UaI H5eWa3UaW5ea-BaN-H5a1a35aI5H a-IpaBW2
-Xa35aI I a5H5ea2-3 HXN-H53a-2a3e-N/aUNe-U5-53HNU5UHNW

a HN32 WUHN T 1-35WXBH 5ea BHa35HN4 R-NI 4-N5-, N-
RUpaB HH22 W5-Be-U5-5IH NW5Ba-HX5ea3HNX2aN3a U5e U22
Baa U22 a2aWW5e-NWUNUX3-N5

T RaI 35UHNUNXBa aN3 -NI a5aN5HXHpaB-N X2HHIUN
3H2I-IpaBW2 -Xa354 R-NI 4-N5-, N-RUpaB HH22 W5-Be-U5-5
a5 aaN 552a g aUB-NI U22 Baa

- H5aN5U-2T 1-35 ea BHa353H2I-IpaBW2 -Xa354 R-NI
5ea4-N5-, N-RUpaB HH22 W5-Be-U5-5 ea1H5aN5U-2U1-35WHX
5ea BHa35HN4 R-NI 4, R HH22 W5-Be-U5-5 a5 aaN 552a
g aUB-NI U22 Baa -BaIUW5 WaI UN5ea B-X5STR-51-/aW
-NI -NI UN5ea MDN-2STR-51-/aW -NI
5H

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB-5a U5U-5UHN
a-WBaW T -NI T UN4a35UHN HX5ea
B-X5STR-NI UN4a35UHN HX5ea MDN-2STR eU3e U22aNWBa
5e-5 NUg aW5aBN U22 HN5HB-NI Ba Hpa UNp-Wpa Wa3UaW
aW5-2UWeUNV UN5ea3e-NNa2-NI-I-3aN5R, M44e-U5-5W a5 aaN
4apaN-W--NI U22 Baa NIaB T
NUg aW5aBN U22 HN5HB-NI Ba Hpa UNp-Wpa NHNN-5Upa
Wa3UaWaW5-2UWeUNV UN5ea3e-NNa2-NI-I-3aN5R, M44e-U5-5W
a5 aaN4apaN-W--NI U22 Baa -Ba5Wa3UaWUN32Ia
Wa3UaWHX5--BUW HBW253aI-B *Tamarix* W1 XH N5-UN/BWW
Pennisetum setaceum -NI /U-N5BaaI *Arundo donax* eaWa
Wa3UaWaW5-2UWeUNe-U5-5WWU5-2aXHB4 R-NI 4-N5-, N-
RUpaB HH22 W5-B-NI e-pa5ea1H5aN5U-25HWBa-IXBeaBUN5H
-I-3aN5WU5-2ae-U5-5-Ba-WTN5U-23HN5BH2 U22 aaW5-2UWaI
WUNV-3H UN-5UHNHX1eW3-2Ba Hp-2-NI eaBU3U-25Ba-5aN5
WUNV-11BH1Be-5aaNpUBHN aN5-2WXa/-BIW aBU3UaW U22 a
WaI 1 BW-N55H -NX35BaBWUNW5B35UHNW-NI W5-NI-B
a-WBaW U22 a5-aN5H-pHUU1-35W5H -5aB -215 H5H
WapaB2XH2H 15Ba-5aN5WH2I a-N53U-5aI I BUNV5ea XUBW5
a-B U5e XH2H 1 HN5HBUNV-NI 5Ba-5aN5W-52a-W5HN3a
-NN-22 UNaNWUNV a-BW, II U5UHN-22 NIaB T
NUg aW5aBN U22Iapa2H1-1BH/B UN3HHBIUN-5UHN U5e
4 -/aN3 1-B5U3U-N5W5HWa2a35Upa2 BaW5HBa4 R-NI
4-N5-, N-RUpaB HH22 W5-Be-U5-5 WUNV e-U5-5 -NUI 2-5UHN
aU5eaB a3e-N3-2 a-NWHBeU/e1BaWWBa -5aB5HBa Hpa
pa/a5-5UHN-NI 2a-pa XBaW2 Ia1HW5aI WNI -NI W25 WU 2-5UNV 5ea

MDNIUNVWESTRXHB4-N5-, N-RUpaBg-5aBRU/e5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

e- U5-5 BaNa UN/ -XaB -5e HXN-5 B-2 XeHH UN/ eUW U22 a IHNa
WUN/ -N-I -15upa -N-/a aN5 -11BH-3e U5e UNl 5XBH 4
W5- aeH2IaBWTX5ea eU/e 1BaWWBa -5aB a5eHI UW WaI -5aB U22
a 1UIaI NUg aW5aBN5H-Ba-WHXWU5- 2a e- U5-5, eU/e
1BaWWBa NH 2a U22 a IUBa35aI -52HB-2UaI -Ba-WHXe- U5-5
Ia5aB UNaI 5H a WU5- 2a XHB4 R-NI 4-N5-, N-RUpaB HH22
W5-B-XaBBaNa -2 ea NH 2a U22 a e-NI HIaB-5aI HBHIaB-5aI
XBH -2U/e5paeU32a Ba-5 aN5W U22 a-33H 12UWaI UN-
B-NIH UaI 2HB IaWUN5H-22H a 1aBU aN5-25aW5UN/ HXp-BU 2aW
W3e-WI B-5UHN-NI UN5aNW5 HXWB- -II U5UHNHX32a-NWNI
Wa-WHNHXIUW5B-N3a -1123-5UHNHXWaI pW-22H UN/ N-5 B-2
IUWaBW2a53, BUHBHI W HN5HBUN/ 1BH/B XNIaI
NUg aW5aBN U22 a aW5- 2UWaI 5HaN- 2a 5ea IUXaBaN3aW- HN/
a 1aBU aN5-25Ba-5 aN5W5H a Ia5aB UNaI ea 1BU -B UNIU3-5HBHX
W33aWW U22 a Ba2-5aI 5HIapa2HI aN5HXe- U5-53e-B-35aBW5U3W
UaN5UXdaI U5e 1UHNaaB5HUN5aB aIU-5a R, M44 e- U5-5 U5eUN
eU3e 4 R-NI 4-N5-, N-RUpaB HH22 W5-B1HI 2-5UHNWe-pa
aaNIHB aN5aI eaWa3e-B-35aBW5U3W-BaIHB aN5aI UN5ea
25aB-5Ba-NI U22 a Wa3UXdaI -WI-B5HX5ea NUg aW5aBN
1BH/B ea 1BH/B U22 a-I W5aI -11BHIBU-5a2 -WBaW25W
XBH a-B2daBaXXHB5W a3H a-p-U2- 2a ea IaWUN-NI
U 12a aN5-5UHNHX5ea HN/HUN/ aXXHB5 U22 a XNIaI
NUg aW5aBN-NI 3HNI 35aI Ba1BaWaN5-5UpaWHX NUg aW5aBN
U5eUNl 5XBH 5ea 4Mg 4-NI M, 3H 12a5a IaW5BIJ5UHN
HX5eUW a5eHI UW-2WHUN32 IaI UN, 11aNIU S HX5ea B-X5STR
4a35UHN NUg aW5aBN3H U55H-3eUdpUN/ - U5U-5UHN
1aBXHB -N3a W5-NI-B HXBaW5HBUN/ -3BaWHXUN5aB aIU-5a 5H2-5a
W5-/aR, M44 e- U5-55H5ea a-B2 HBUN5aB aIU-5a W5-/aR, M44
e- U5-5I BUN/ 5ea XUBW55 aN5 a-BWHX BHa35U 12a aN5-5UHN

I MUNIUN/W T 12a aN5UN/ T -NI T U22HXXaW5
-N53U-5aI BaI 35UHNUNXeHH XBa aN3 -NI Ba2-5aI e- U5-5
BaNa -2 U5e -N-/a aN5-35pU5UaW5e-5BaNa e- U5-5-NI Ba Hpa
UNp-Wpa 12-N5Wa3UaW5e-5-Ba aN3BH-3eUN/ HN5ea e- U5-5HB3 1UaI
4 R-NI 4, R HH22 W5-B BaI 3UN/ 5ea U 1-355H a2H 5ea
5eBaWeH2I HXWUNUX3-N3a, N Ba -UNUN/ U 1-35W U22 a 2aWW5e-N
WUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNe- U5-5 U22 a
2aWW5e-NWUNUX3-N5

T e-N/a UNNHNW5HB I- XeH W3- WaI 5ea BHa353H 2I
-XXa35- -53 e- U5-5W-NI Wa3UaWI H NW5Ba- HX5ea 1HUN5HXIUpaBWUHN

- H5aN5U-2T 1-35 ea BHa353H 2I -XXa35- -53 e- U5-5W-NI
Wa3UaWI H NW5Ba- HX5ea 1HUN5HXIUpaBWUHN ea 1H5aN5U-2
U 1-35WHX5ea BHa35HN- -53 e- U5-5W-NI Wa3UaWI H NW5Ba-

MUNIUN/WE S TR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

HX5ea 1HUN5HXIUpaBWHN-BaIUW WaI UN5ea B-X5STR-51-/aW
-NI -NI UN5ea MUN-2STR-51-/aW 5H

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- WaIBaI 35UHNWUNXH -Ba UNHB-NI aXXa35WHN- -53
WIHBaW-Ba 2aWW5e-NWUNUX3-N5

I MUNIUNW g U5eUN4a/ aN5 12 N/a 1HH25H 552a g UaB
BaI 35UHNWUN-paB/a NHNW5HB I- XH W H 2I HB3 B5eBH/eH 5
5ea a-B eaN -5aBUWIUpaB5aI XBH 5ea 12 N/a 1HH2 NIaB e-Wa
TTTHX5ea 2 N/a HH2 Ua2UNa , -53 e- U5-5UWIBaWaN5 U5eUN
5eUWW/ aN5 5UW2U U5aI 5H5ea -5aB3H2 N U5eUN5ea -UN
3e-NNa2 g U5e 5ea BHa35 XH W U5eUN5eUWW/ aN5 H 2I a
BaI 3aI 5H5ea 3XW a-BBH NI Ba2a-WaI 5H5ea 2 N/a HH2HB
2 N/a HH2 -WW Ua2UNa , 2eH/e BaI 35UHNW H 2I HB3 B
a UW5UN/ HIaB-5UHNW H 2I 2Ua2 a WXX3UaN5 5HW11HB5ea - -53
3H N5 5e-53 BaaN52 a UW5WUN5eUWW/ aN5 TN-IIU5UHN NH
WaNW5Upa - -53 WIa3UaW-Ba a 1a35aI 5HHB3 BeaBa
HNWa aN52 5ea BaI 35UHNWUNXH U5eUN5eUWW/ aN5 H 2I
BaW25UN2aWW5e-NWUNUX3-N5U 1-35WHN- -53 e- U5-5W-NI
-WWBU-5aI WIa3UaW g U5eUN4a/ aN5 -NI XBH 552a g aUB5H
S 4-5Baa5 BaI 35UHNW-Ba Na/2UU2a 5eBH/eH 55ea a-BI a 5H5ea
2-3 HXXH W NIaB H BHa353HNI U5UHNW HNWa aN52 NH
U 1-355H- -53 BaWIBaWUWa 1a35aI 4a/ aN5S e-WUN3Ba-WaI
XH Ba2-5Upa 5H 1W5Ba- Wa/ aN5WI a 5H5ea UNXH XBH
5BU 5-BaW, W-BaW25 BHa35aXXa35W-Ba X B5eaBBaI 3aI -NI 5ea
BHa35 H 2I e-pa-2aWW5e-NWUNUX3-N5U 1-35HN- -53
WIa3UaW-NI e- U5-5W U5eUN5eUWW/ aN5 TN4a/ aN5M5ea
1BHIHB5UHNHXXH -55BU 5-2a 5HBa2a-WaWXBH 4apaN - -
-NI XBH XH W-55ea BHa35IUpaBWHN1HUN5UWa 5Ba a2 W-22
HNWa aN52 3e-N/aWBaW25UN/ XBH BHa35IUpaBWHNWUN5eUW
Wa/ aN5-Ba UNHB-NI 2aWW5e-NWUNUX3-N5 4a/ aN5 XBH
RUpaBWUa -BBH W5H B-IH - UN32IaW-Na 5aNWUpa - -53
aNpUBHN aN52-B a2 I a 5H5ea 1BaWN3a HX B-IHM2HHI HN5BH2
-WUN H5e 5ea -WUN-NI 5ea 4, R W11HB52-B a 1HI 2-5UHNWHX
- -53 WIa3UaW U5eUN-p-Ba5 HX- -53 e- U5-55 1aW ea
aXXa35WHX5ea BHa35 U5eUN5eUWW/ aN5 H 2I a aWaN5U-22
NIa5a35- 2aI a 5H5ea UNU-2BaI 35UHNBa2-5Upa 5H5ea 5H5-2XH
T 1-35W5H- -53 WIBaW U5eUN5eUWW/ aN5-Ba a 1a35aI 5H a
2aWW5e-NWUNUX3-N5

a HN32 WUHN ea BHa35 WU 1-35HN- -53 e- U5-5W-NI WIa3UaW
IH NW5Ba- HX5ea 1HUN5WHXIUpaBWHN U22 a 2aWW5e-NWUNUX3-N5

T e-N/aWUNW5HB XH W3- WaI 5ea BHa353H 2I -Xa35

5ea 4-N5-, N- W3 aBI H NWSBa- HX5ea 1HUN5HXI UpaBWHN

- H5aN5U-2T 1-35 ea BHa353H 2I -XXa355ea 4-N5-, N- W3 aB
  I H NWSBa- HX5ea 1HUN5HXI UpaBWHN ea 1H5aN5U-2U 1-35WHX5ea
  BHa35HN5ea 4-N5-, N- W3 aBI a 5H3e-N/aWUNWSHB XH W
  3- WaI 5ea BHa35-BaI UW WaI UN5ea B-XSSTR-51-/a
  -NI UN5ea MUN-2STR-51-/aW 5H

  T 1-35 BHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWI H5aN5U-2
  U 1-35 a3- WaU 1-35WHX5ea BHa35WU 1-35WHN5ea 4-N5-, N- W3 aB
  H 2I a 2aWW5e-NWUNUX3-N5

I MUNIUN/W e-N/aWUNNa- WSHB XH W-Ba N-H5a 1a35aI 5H
  -IpaBWa2 -XXa355ea 4-N5-, N- W3 aB-2eH/e 5eaBa UW- WaUe5
  1H5aN5U-25e-52H aBpa2-HB5UaWUNWSHB 1a- W3H 2I Ia/B-Ia e- U5-5
  Ba HpUN/2aWWXUNa WaI U aN5XH BUpaB aI /B-pa2WI H5aN5U-22
  WaI XHBW- NUN/ 4 3e U 1-35W-Ba 2aWW2Ua2 UN5ea I H NWSBa-
  e- U5-5W eaBa 5ea Wa3UaWUWXH NI I a 5H5ea W-22 BHa35Ba2-5aI
  aXXa35HN5H5-2XH T 1-35W5H- -53 BaWI B3aW U5eUN5eUW
  Wa/ aN5 U22 a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea BHa35WU 1-35HN5ea 4-N5-, N- W3 aB
  I H NWSBa- HX5ea 1HUN5HXI UpaBWHN U22 a 2aWW5e-NWUNUX3-N5

T e-N/aWUNNHN WSHB I- XH W3- WaI 5ea BHa35
3H 2I -XXa355ea 4-N5-, N- W3 aBI H NWSBa- HX5ea 1HUN5HXI UpaBWHN

- H5aN5U-2T 1-35 ea BHa353H 2I -XXa355ea 4-N5-, N- W3 aB
  I H NWSBa- HX5ea 1HUN5HXI UpaBWHN ea 1H5aN5U-2U 1-35WHX5ea
  BHa35HN5ea 4-N5-, N- W3 aBI H NWSBa- HX5ea 1HUN5HX
  IUpaBWHNI a 5H3e-N/aWUNNHN WSHB I- XH W3- WaI 5ea
  BHa35-BaI UW WaI UN5ea B-XSSTR-51-/aW -NI
  -NI UN5ea MUN-2STR-51-/a

  T 1-35 BHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWI H5aN5U-2
  U 1-35 a3- WaU 1-35WHX5ea BHa35HN5ea 4-N5-, N- 4 3 aB
  H 2I a 2aWW5e-NWUNUX3-N5

I MUNIUN/W e-N/aWUNNHN WSHB I- XH W3- WaI 5ea BHa35
  3H 2I -XXa355ea 4-N5-, N- W3 aBI H NWSBa- HX5ea 1HUN5HX
  IUpaBWHN eUWWa3UaWUWI BaWN5HB1H5aN5U-22 1BaWN5 U5eUN5ea
  2H aW5eBaa 4, R Wa/ aN5W-N-2 aI g U5eUN4a/ aN5S - W-22
  - H N5HXeUWSHB3-22 WU5- 2a e- U5-5HB3 BW U5e - WUN/2a Ba3HB

HXH WaBp-5UHN ea 1H5aN5U-25HW11HB55eUWWa3UaWUN5eUW
Wa/ aN5e-W aaNW W5-N5U-22 IU UNUWaI I a 5HBa BH 5UN/ HX
-5aB5Ba-5 aN512-N5aXX2 aN55H- Na 2HB-5UHNXB5eaB
IH NW5Ba- T5UW2Ua2 5e-5- 2-B a 1BH1HB5UHNHX5ea NHN W5HB
XH UN5ea eUW5HB3-2I-5- XHB5eUWWa/ aN5 -WaXX2 aN5H 5XH
5e-5NH2HN/aBa UW5W HNWa aN52 5ea 1H5aN5U-25HW11HB55ea
4-N5-, N- W3 aBUWW W5-N5U-22 BaI 3aI - U5-5 U5eUN4a/ aN5
MUWWU5- 2a XHB5ea 4-N5-, N- W3 aBNa-B2 5eBH/eH 5 TN
-II 5UHN 1H1 2-5UHNWHX5eUWWa3UaWe-pa aaNIa5a35aI UNWapaB-2
2HB-5UHNW U5eUN5eUWWa/ aN5 ea aXXa35WHX5ea BHa35 U5eUN
5eUWWa/ aN5 eH apaB-Ba a 5Ba a2 W-22 4U U2-B2 5ea U 1-35
-XaB5ea BHa35 U5eUN4a/ aN5 UWa 1a35aI 5He-pa apaN2aWHX
-NaXXa35, W- BaW25 5ea BHa35UWNH5a 1a35aI 5H-IpaBWa2
-XXa355ea 4-N5-, N- W3 aB

a HN32 WHN ea BHa35 WU 1-35HN5ea 4-N5-, N- W3 aB
IH NW5Ba- HX5ea 1HUN5HXIUpaBWHN U22 a 2aWW5e-NWUNUX3-N5

T e-N/aWUNNHNW5HB I- XH W3- WaI 5ea BHa35
3H 2I -XXa35BJ-B-N-NI a52-NI e- U5-5-NI Wa3UaWIH NW5Ba- HX5ea
1HUN5HXIUpaBWHN

- H5aN5U-2T 1-35 ea BHa353H 2I -XXa35BJ-B-N-NI a52-NI
e- U5-5-NI Wa3UaWIH NW5Ba- HX5ea 1HUN5HXIUpaBWHN ea
1H5aN5U-2U 1-35WHX5ea BHa35HNBJ-B-N-NI a52-NI e- U5-5-NI
Wa3UaWIH NW5Ba- HX5ea 1HUN5HXIUpaBWHNI a 5H3e-N/aWUN
NHNW5HB I- XH W3- WaI 5ea BHa35-BaIUW WaI UN5ea
B-X5STR-51-/a -NI UN5ea MUN-2STR-51-/aW
5eBH/e

T 1-35 BHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- WaIBaI 35UHNUNXH H 2I BaW25UN2aWW5e-N
WUNUX3-N5U 1-35WHNBJ-B-N-NI a52-NI e- U5-5-NI -WW3U-5aI
Wa3UaW

I MUNUN/W e-N/aWUNNHNW5HB I- XH W3- WaI 5ea BHa35
3H 2I -XXa35BJ-B-N-NI a52-NI e- U5-5-NI Wa3UaWIH NW5Ba-
HX5ea 1HUN5HXIUpaBWHN g U5eUN4a/ aN5 -NI U5e 5ea
U 12a aN5-5UHNHX e-WaTTTHX5ea 2 N/a HH2 Ua2UNa 5eaBa
H 2I a W W5-N5U-2BaI 35UHNWUN-paB/a NHNW5HB I- XH W
5eBH/eH 55ea a-B RUJ-B-N-NI a52-NI e- U5-5 UN32 IUN/
e- U5-55e-5W11HB5WBJ-B-NIa1aNIaN5WHN/ UBWW3e-W2a-W5
a22WpUBaH WI5e aW5aBN U22H X2 3-53eaB-NI aW5aBN a22H
U22aI 3 3 HH UWIBaWaN55eBH/eH 5 HW5HX5eUWWa/ aN5 g U5e
5ea e-WaTTT 2 N/a HH2 Ua2UNa UN12-3a BHa35IUpaBWHNW

MUNUN/WE STR XHB4-N5-, N- RUpaBg -5aBRU/e5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

H 2I HB3 B-55ea 12 N/a 1HH2-NI XZH W U5eUN5eUWa/ aN5
H 2I aBaI 3aI 5H 3XWaU5eaBaN5aBUN/ 5ea BpaB-55ea 2 N/a
HH2HB-55aB UN WHX5ea 2 N/a HH2 1-WW HH2 Ua2UNa
, 2eH/e BaI 35UHNW H 2I HB3 B a UW5UN/ H1aB-5UHNWHNNHN
W5HB I- W H 2I 2Ua2 a WXX3UaN55HW11HB55ea W-22- H N5
HXBJ-BJN e- U5-55e-5a UW5WUN5eUWa-3e-NI - a-WB-2a
BaI 35UHNUNe- U5-5UWNH5a 1a35aI H HN12-N5-NI U2I2UXa
Wa3UaW-WWBU-5aI U5e 5ea BJ-BJN-NI a52-NI e- U5-5UN5eUW
Wa/ aN5-Ba 5eaBaXHBa N2Ua2 5H a-IpaBWa2 -XXa35aI TN
-IIU5UHN NHWaNW5Upa - -5U3 Wa3UaW-Baa 1a35aI 5HHB3 BeaBa
RaI 35UHNWUNNHN W5HB XZH W U5eUN5eUWa/ aN5 H 2I BaW25UN
2aWW5e-NWUNUX3-N5U 1-35WHNBJ-BJN-NI a52-NI e- U5-5-NI
-WWBU-5aI Wa3UaW RaI 35UHNUNW5HB XZH W U5eUN5eUWa/ aN5
-Ba NH5a 1a35aI 5H-IpaBWa2 -XXa35BJ-BJNBaWI B3aW-NI H 2I
5eaBaXHBa a 2aWW5e-NWUNUX3-N5-NI - -UUN5eaUBa 1-NWHN
I a 5HBaI 3aI W3H BUN/ g U5eH 5 e-WaTTTHX5ea 2 N/a HH2
Ua2UNa BHa35IUpaBWHNW H 2I 5- a12-3a-5 552a g aUB-NI
XZH WUN4a/ aN5 H 2I NH5 a-XXa35aI g U5eUN5ea W Wa aN5
IH NW5Ba- Wa/ aN5WBJ-BJN-NI a52-NI e- U5-5/B-I -22
5B-NW5UHNWXBH paB W3-B3a 5H- WaN5 a5 aaN 552a g UaB-NI
U22 Baa 5Ha 5aNWpa W3- Hpa B-IHM2HHI HN5BH2 -WN
ea BHa35WaXXa35HNXZH WUW Ba-5aBUN5ea 1W5Ba- 1HB5UHNW
-2eH/e 5ea- H N5HXe- U5-5UWBa2-5Upa2 W-22 eUWaXXa35UW
XB5eaBI U UNUWaI 3HN5UN UN/ IH NW5Ba- -WXZH WXBH H5eaB
5BU 5-BaW-NI WI B3aW a3H a 1BaI H UN-N5-NI BHa35Ba2-5aI
aXXa35W a3H a UNI UW5aBNU2a UN5ea XB5eaW5I H NW5Ba- Wa/ aN5W
HNWa aN52 5ea BHa35 H 2I e-pa-W-22aXXa35HN5eHWa-Ba-W
U5e-W-22- H N5HX a52-NI -NI BJ-BJNe- U5-5-NI pUB5-22
NHaXXa35UN5eHWa-Ba-W5e-5W11HB5W W3-N5U2- H N5WHXBJ-BJN
e- U5-5-NI pUB5-22 NHaXXa35UN5eHWa-Ba-W5e-5W11HB5
W W3-N5U2- H N5WHXBJ-BJNe- U5-5-NI -WWBU-5aI Wa3UaW
RaI 35UHNUNXZH U5eUN5eaWa2H aBXpa Wa/ aN5W H 2I BaW25UN
2aWW5e-NWUNUX3-N5U 1-35WHNBJ-BJN-NI a52-NI e- U5-5-NI
-WWBU-5aI Wa3UaW

a HN32 WHN ea BHa35 WU 1-35HNBJ-BJN-NI a52-NI e- U5-5
-NI Wa3UaWI H NW5Ba- HX5ea 1HUN5HXIUpaBWHN U22 a 2aWW5e-N
WUNUX3-N5

T - e-N/aWUNNHNW5HB I- XZH W3- WaI 5ea BHa35
3H 2I -XXa35BJ-BJN-NI a52-NI e- U5-5-NI 5ea WI 5e aW5aBN U2ZH
X2 3-53eaBI H NW5Ba- HX5ea 1HUN5HXIUpaBWHN

- H5aN5U2T 1-35 ea BHa353H 2I U 1-35BJ-BJN-NI a52-NI e- U5-5-NI 5ea WI 5e aW5aBN U22H X2 3-53eaBI H NW5Ba- HX5ea 1HUN5HXIUpaBWHN ea 1H5aN5U2U 1-35WHN5ea WI 5e aW5aBN U22H X2 3-53eaB-Ba IUW WaI UN5ea MUN-2STR Wa3UX3-22 -5 1-/aW -NI

  T 1-35 BJHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWU 1-35 a3- Wa 3e-N/aWUNX2H BaW25UN XBH 5ea BHa35 U22N-H5 -IpaBWa2 U 1-355ea BJ-BJNpa/a5-5UHNUN5eUW-Ba- -NI U22 5eaBaXHBa NH5U 1-355ea WI 5e aW5aBN U22H X2 3-53eaB

I MUNIUN W He- U5-5WU5- 2a XHBWI 5e aW5aBN U22H X2 3-53eaB NaW5UN UWIBaWaN5UN4a/ aN5 -22 55ea IH NW5Ba- aNI HX 4a/ aN5 -NI aWWaN5U22 -22HX4a/ aN5S TN4a/ aN5 e- U5-5 WaI 5ea WI 5e aW5aBN U22H X2 3-53eaBUWW11HB5aI eU/e/BHNI -5aB2apa2W5e-5 H 2I NH5 a U 1-35aI BHa35 IUpaBWHNW TN4a/ aN5WM-NI -W a22-W B-IH -WN eU3e 1BHpUa NaW5UN e- U5-5XHB5ea X2 3-53eaB BHa35IUpaBWHNW H 2I NH5W W5-N5U22 -XXa35/BHNI -5aBHBWBX3a -5aBX2H W5e-5 W11HB5BJ-BJNpa/a5-5UHN a3- Wa5eaBa-Ba UN5aBpaNUN WI BaW HXWBX3a-NI /BHNI -5aBUNX2H a5 aaNHB3 1UaI e- U5-5-NI 5ea 1HUN5WHXIUpaBWHN eaBaXHBa BHa35IUpaBWHNW H 2I e-pa 2aWW5e-NWUNUX3-N5U 1-35WHN5ea X2 3-53eaB-NI U5We- U5-5 T 1-35WHN5ea WI 5e aW5aBN U22H X2 3-53eaBUN4a/ aN5 -Ba IaW5BUaI UNT 1-35 T

a HN32 WHN T 1-35WXBH 5ea BHa35HNBJ-BJN-NI a52-NI e- U5-5-NI 5ea WI 5e aW5aBN U22H X2 3-53eaBI H NW5Ba- HX5ea 1HUN5HXIUpaBWHN U22 a 2aWW5e-NWUNUX3-N5

D. Geology, Soils, and Mineral Resources

BHa35 HNW5B 35UHN

- 4apaN - W - -NI RaWaBpHUB HNW5B 35UHN, Ba-

  S T 12a aN5-5UHNHXWa-WHN-23HNWaBp-5UHNW5HB/a H 2I UN32Ia HIUX3-5UHNHX5ea 5B-WaB-3 HXUN5- a W5B 35Ba-NI IB22UNV UN5H aIBHB 5H1BHpUa-IIU5UHN-2-N3eHBWXHB5ea W5B 35Ba eaWa-35pU5UaW - BaW25UNWUNUX3-N5U 1-35W-WWBU-5aI U5e WaI U aN5-5UHN-NI aBHWHN-55ea -WaHX5eaI- 4 W5-N5U-2aBHWHN - -2WHB3 BI BUN 5eaWa WaHB5 5aB 3HNW5B 35UHN-35pU5UaW5eBH/e 5ea WaHX aB W5HIUpaB5 -5aBX2H

- H5aN5U2T 1-35 ea BHa353H 2I BaW25UNWaI U aN5-5UHN-NI

MUNIUN WE STR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW -Be

Tg S4 SR S T T -/a

aBHMWBN-55ea -WaIHX5ea 4apaN - W - ea 1H5aN5U-2U 1-35W
HX5ea BHa35HNWaIU aN5-5UBN-NI aBHMWBN-55ea -WaIHX5ea I-
-BaIUW WaIUN5ea B-XSSTR-51-/aW -NI -NI
-NI UN5ea MDN-2STR-51-/a

T 1-35 BUBB5H U5U-5UBN H5aN5U-22 WUNUX3-N5

3 U5U-5UBN a-WBa ea BHa35 U22UN3HBHHB-5a U5U-5UBN
a-WBa S UN4a35UBN -NI HX5ea B-XS
STR-NI UN4a35UBN 1-/a HX5ea MDN-2STR eU3e U22
aNWBa5e-5 aXHBa a/UNNUW 3HNWBB35UBN-WaIU aN5-5UBN-NI
aBHMWBN3HNSBH212-N-NI -45HB g-5aB H225UBN BapaN5UBN 2-N
U22 a 1Ba1-BaI NUg aW5aBN-NI W U55aI 5H4, Rg
XHB-11BHp-2 g eaBa 1HWWU2a aBHMWBN3HNSBH2 a-WBaW U22 a
U12a aN5aI NUg aW5aBN aXHBa a/UNNUW HB UN5ea B-UN
Wa-WBN-NI 5H UNU Ua WcHB55aB U1-35W-WWB3U-5aI U5e
aBHMWBN-NI HXXW5a W25-5UBNHX5ea 4, R 45-NI-BI aBHMWBN-NI
WaIU aN53HNSBH2Xa-5BaW U22 a WaII BUW-NI U aIU-5a2
-X5aB/B-IUW-NI a 3-p-5UBN , 4g UW-Ba UBa aN5HX5ea
aNaB-2 HNWBB35UBN45HB -5aB S4 aB U5

I MDNIUW WT5UW N2Ua2 5e-55eaIa H25UBN-NI HIUX3-5UBNHX5ea
5B-WcB-3 Wa35UBNHX5ea UN5- a W5B35Ba U22IUW5e-B-aIa BUWUN5H
WBX-3a -5aBXBH WTN5ea N2Ua2 apaN55e-5aBHMWBN-NI
WaIU aN5-5UBNIHaWHB3 B5eaU12a aN5-5UBNHXWaIU aN5-5UBN
-NI aBHMWBN3HNSBH2 a-WBaW U22 UNU Ua aBHMWBN Ba2-5aI
U1-35W, N Ba -UNUW U1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WBN ea 1H5aN5U-2U 1-35HX5ea BHa35HNWaIU aN5-5UBN
-NI aBHMWBNUW2aWW5e-NWUNUX3-N5

S 4 W5-N5U-2aBHMWBN-NI WaIU aN5-5UBN - HB3 BI BUW
/B-IUW-NI a 3-p-5UBN-WWB3U-5aI U5e 3HNWBB35UBNHX- Na -33aWWBH-IW
-55eaI- -NI U aIU-5a2 1W5Ba-

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UNaBHMWBN-NI
WaIU aN5-5UBNI BUW/B-IUW-NI a 3-p-5UBNHX- Na -33aWWBH-I
-54apaN - W - ea 1H5aN5U-2U 1-35WHX5ea BHa35HN
aBHMWBN-NI WaIU aN5-5UBN3- WaI /B-IUW-NI a 3-p-5UBN
-35pU5daW-WWB3U-5aI U5e 3HNWBB35UBNHX- Na -33aWWBH-I -55ea
I- -BaIUW WaIUN5ea B-XSSTR-51-/aW -NI
-NI UN5ea MDN-2STR-51-/aW -NI

T 1-35 BUBB5H U5U-5UBN H5aN5U-22 WUNUX3-N5

3 U5U-5UBN a-WBa ea BHa35 U22UN3HBHHB-5a U5U-5UBN
a-WBa S UN4a35UBN -NI HX5ea B-XS

Tg S4 SR S T T -/a

STR eU3e U22aNWBa 5e-5 aXHBa a/UNNUN 3HNWSB35UHN-
WaIUaN5-5UHN-NI aBHWUHN3HNSBH212-N-NI-4g U22a
1Ba1-BaI NUg aWSaBN-NI W U55aI 5H5ea 4, Rg XHB
-11BHp-2 g eaBa1HWWU2a aBHWUHN3HNSBH2 a-WBaW U22a
U12a aN5aI NUg aWSaBN aXHBa a/UNNUN HB UN5ea B-UN
Wa-WHN-NI 5H UNU UaWeHB55aB U1-35W-WWBU-5aI U5e
aBHWUHN-NI HXXWSa W25-5UHNHX5ea 4, R WS-NI-B aBHWUHN-NI
WaIUaN53HNSBH2Xa-5BaW U22a WaII BUN-NI U aIU-5a2
-XSaB/B-IUN-NIa 3-p-5UHNW, 4g UW-Ba UBa aN5HX5ea
aNaB-2 HNWSB35UHN45HB -5aB S4 aB U5

I MUNIUN/W NUg aWSaBNe-pa a2U UN-5aI XBH 5ea BHa355ea
Ba2HB-5UHNHX- U2aWa35UHNHX5ea 4 S-33aWWBH-I U1-35W
XBH 5eUWa2a aN5IUW WaII UN5ea B-XSSTR U225eaBaXHBa NH
2HNVaBH-B3 B MHBBa2HB-5UHNHXg-B 41BUN/W, 33aWWRH-I-NI
3HNWSB35UHNHX5ea Na UN5-aWSB35Ba-33aWWBH-I-55eaI-
U12a aN5-5UHNHX-11BHlBU5aaBHWUHN3HNSBH2a-WBaWBa UBaI
S I BUN/3 5-NI X22/B-IUN/HlaB-5UHNWaBHWUHN
Ba2-5aI U1-35W H2I a UNU UaI, N Ba -UNUN/U1-35W U22
a2aWW5e-NWUNUX3-N5

a HN32WUHN ea1H5aN5U-2U1-35HX5ea BHa35HNWaIUaN5-5UHN
-NI aBHWUHNUW2aWW5e-NWUNUX3-N5

4-N5-, N-RUpaB HNWSB35UHN, Ba-

S 4 WS-N5U-2aBHWUHN-NI WaIUaN5-5UHN - H33 BI BUN/
/B-IUN/-NIa 3-p-5UHN-35pU5daW-WWBU-5aI U5e 3HNWSB35UHNHXNa
1UIa2UNaW-NI Ba2-5aI -11 B5aN-N3aWBaW25UN/UNWUNUX3-N5U1-35W

- H5aN5U-2T1-35 ea BHa3533H2I BaW25UNaBHWUHN-NI
WaIUaN5-5UHNI BUN/ /B-IUN/-NIa 3-p-5UHNHXNa 1UIa2UNaW-NI
Ba2-5aI -11 B5aN-N3aW ea1H5aN5U-2U1-35WHX5ea BHa35HN
aBHWUHN-NI WaIUaN5-5UHNI BUN/ /B-IUN/-NIa 3-p-5UHN-35pU5daW
-WWBU-5aI U5e 3HNWSB35UHNHXNa 1UIa2UNaW-NI Ba2-5aI
-11 B5aN-N3aW-BaIUW WaII UN5ea B-XSSTR-51-/aW -NI

T1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN
a-WBa S UN4a35UHNW -NI HX5ea
B-XSSTR-NI UN4a35UHN 1-/a HX5ea MUN-2STR eU3e
U22aNWBa5e-5 aXHBa a/UNNUN/3HNWSB35UHN NUg aWSaBN U22
1Ba1-Ba-NI W U55H5ea 4, Rg XHB-11BHp-2-
WaIUaN5-5UHN-NI aBHWUHN3HNSBH212-N-NI-4g g eaBa
1HWWU2a aBHWUHN3HNSBH2 a-WBaW U22a U12a aN5aI

MUNIUN/WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

NUg aWaBN aXHBa a/ UNNUN HB UN5ea B-UN Wa-WHN5H
UNU Ua WeHB55aB U 1-35W-WWBU-5aI U5e aB-MWHN-NI HXXW5a
WW5-5UHNHX5ea 4, R 45-NI-B aB-MWHN-NI WaI U aN53HN5BH2
Xa-5 BaW U22 a WaI I BUN -NI U aIU-5a2 -XaB/B-I UN -NI
a 3-p-5UHNW, 4g UW-Ba UBa aN5HX5ea aNaB-2
HNWBB35UHN45HB -5aB S4 aB U5

I MUNI UN W U 12a aN5UN aB-MWHN3HN5BH2-NI -5aB -215
1B-Ha35UHN a-WBaWBa UBaI NIaB S I BUN
3HNWBB35UHN aB-MWHN Ba2-5aI U 1-35WUN5ea 4-N5-, N-RUpaB
HNWBB35UHN, Ba- H 21 a BaI 3aI 5H- 2apa2HX2aWW5e-N
WUNUX3-N5, N Ba -UNUN U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea B-Ha35HNWaI U aN5-5UHN
-NI aB-MWHNUW2aWW5e-NWUNUX3-N5

S UW5e-B a HX/B-H NI -5aBXBH Ia -5aBUN a22WI BUN
a 3-p-5UHN-35pU5UaW3H 21 3- WaW W5-N5U-2WeHB55aB WaI U aN5W5H B
-NI aB-MWHN-55ea 1HUN5HXIUW5e-B a BaW25UN UNWUNUX3-N5U 1-35W

- H5aN5U-2T 1-35 ea B-Ha353H 21 BaW25UNWaI U aN5W5H B-NI
aB-MWHN-55ea 1HUN5HXIUW5e-B a ea 1H5aN5U-2U 1-35WHX5ea
B-Ha35HNWeHB55aB WaI U aN5W5H B-NI aB-MWHN3- WaI -Ba
IUW5 WaI UN5ea B-X5STR-51-/aW -NI -NI

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea B-Ha35 U22UN3HB1HB-5a U5U-5UHN
a-WBa S UN4a35UHN -NI HX5ea B-X5
STR-NI UN4a35UHN 1-/a HX5ea MUN-2STR eU3e U22
aNWBa5e-51BUHB5HIa -5aBUN a22WI BUN a 3-p-5UHN-35pU5UaW
NUg aW5aBN U22IUBa355ea 3HN5B-35HB5HUNW5-22aNaB
IUWWI-5UHNIapU3aW-51UW5e-B a 1HUN5W5H1BapaN5a B-Ha35
4aIU aN5-5UHN -WUNW U22 a WaI -51a -5aBUN IUW5e-B a 1HUN5W
5H1BapaN5a 3aWWIH NW5Ba- WaI U aN5-5UHN ea -WUNW U22 a
3HNWBB35aI aXHBa Ia -5aBUN -NI Ba/2-B2 -UN5-UNaI I BUN
3HNWBB35UHN UN32 IUN -XaBW5HB apaN5W5H aa1 5ea UN/HH
HB UN HB aB, HN5HB U22paBX aXa35Upa H1aB-5UHNHXaNaB
IUWWI-5UHNXa-5 BaWI BUN Ia -5aBUN

I MUNI UN W Ra UBUN 5ea UNW5-22-5UHNHXaNaB IUWWI-5UHNIapU3aW
1BUHB5HIa -5aBUN -35pU5UaW NIaB S H 21 1B-HpUUa
-11B-H1B-U-5a aB-MWHN3HN5BH2 a-WBaWI BUN a 3-p-5UHN-35pU5UaW
5e-5UNpH2pa Ia -5aBUN a22W, N Ba -UNUN U 1-35W U22 a 2aWW
5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea B-Ha35HN1H5aN5U-2

MUNI UN WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B-e

Tg S4 SR S T T -/a

WaI U aN5-5UHN-NI aB-HWHNUW2aWW5e-NWUNUX3-N5

S S 3-p-5UHNHX2-B/a 5a 1HB-B WZHIaW5H-33H HI-5a 1UIa2UNa UNW5-22-5UHN-5/B-IUaN5W-WW5aa1-W UN NW5-2a/aHZH/U3 NL5W3H 2I BaW25UNWUNUX3-N5U 1-35W-WWB U-5aI U5e HNW5a 2-NI WZUIaWHB3HZ2-1Wa

- H5aN5U-2T 1-35 ea B-Ha353H 2I BaW25UNHNW5a 2-NI WZUIaWHB 3HZ2-1WaWXBH 5ea a 3-p-5UHNHX5a 1HB-B WZHIaW ea 1H5aN5U-2 U 1-35WHX5ea B-Ha35-WWB U-5aI U5e HNW5a 2-NI WZUIaWHB3HZ2-1Wa -BaIUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea B-Ha35 U22UN3HB-HB-5a U5U-5UHN a-WBaW S UN4a35UHN HX5ea B-X5STR eU3e U22aNWBa5e-5 NUg aW5aBN U22U12a aN5Ba3H aNI-5UHNW aW5-2WaI UN-W5a Wa3UX3/aH5a3eN3-2Ba1HB5 1Ba1-BaI --2UXaI/aH5a3eN3-2aN/UNaaBHBaN/UNaaBDN/aHZH/UW5 ea Ba1HB5Ba3H aNI-5UHNW U22 a -WaI HN-3H 1BaeaNWpa ap-2-5UHNHXWZHIa W5-U25 WaUW U3 -NI WHU23HNIU5UHNW5e-5 --Xa353HNW5B35UHNHX5ea 1UIa2UNaW-NI Ba2-5aI X-3U25IaW ea Ba3H aNI-5UHNW U22 a 3HNWW5aN5 U5e 1B-HpUWHNWHX5ea -2UXHBNU HIa HXRa/2-5UHNW U52a HNW5B35UHN4-Xa5 B-aBW B-Ha35/B-IUW-NI a 3-p-5UHNW U22 a H WaBpaI -/aH5a3eN3-2aN/UNaaBaN/UNaaBDN/aHZH/UW5HB-H5eaB -2UXaI Ba1BaWN5-5Upa 5HpaBUX 3H 12U-N3a U5e Ba3H aNI-5UHNWHX5ea /aH5a3eN3-2Ba1HB5 ea /aH5a3eN3-2UNpaW5U-5UHN U22 a 3H 12a5aI UN-33HB-N3a U5e 41a3U-2 23-5UHN *Guidelines for Evaluating and Mitigating Seismic Hazards in California* -NI 4H 5eaBN -2UXHBNU S-B5e - a aN5aB *Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for Analyzing and Mitigating Liquefaction in California* 4 S

I MDNIUN/W ea a 3-p-5UHNHX2-B/a 5a 1HB-B WZHIaW5H -33H HI-5a 1UIa2UNa UNW5-22-5UHN-5/B-IUaN5W-WW5aa1-W UN NW5-2a/aHZH/U3 NL5W3H 2I BaW25UNWZHIa X-U2 Ba-NI-WWB U-5aI IUWB 15UHNHX3HNW5B35UHNI- -/a 5Ha UI aN5-NI 1HWWU2a UN B 5H HB aBW T 12a aN5-5UHNHXW5a Wa3UX3 Ba3H aNI-5UHNWBa UBaI NIaB S U221B-HpUIa -11B-HIBU-5a WZHIa W5-U25 a-WBaWI BDN/a 3-p-5UHN-35pU5UaW BaI 3UN/5ea 1H5aN5U-2U 1-35W5H a2H 5ea 5eBaWHZI HX WUNUX3-N3a ,N Ba -UNUN/U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea B-Ha35HNaXXa35W -WWB U-5aI U5e HNW5a 2-NI WZUIaWHB3HZ2-1WaUW2aWW5e-N

MDNIUN/WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

WUNUX3-N5

S BHa353HNWSB35UHNUN5ea4-N5-, N-RUpaB HNWSB35UHN
, Ba- H2I BaW25UN-2HWWHX-p-U2- U2I5 HX- NH N UNaB-2BaWI B3a

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UN-2HWWHX-p-U2- U2I5
HX- NH N UNaB-2BaWI B3a ea1H5aN5U-2U1-35WHX5ea BHa35
HN5ea-p-U2- U2I5 HX- NH N UNaB-2BaWI B3a-BaIUW WaI UN5ea
B-XSSTR-51-/a

T 1-35 BUHB5H U5U-5UHN aWe-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U1-35 a3- Wa BHa35Ba2-5aI 3HNWSB35UHN H2I NH5BaW25UN5ea
2HWWHX- NH N UNaB-2BaWI B3a UN-11Ba3U-2a -N5U5laW-NI
U1-35W H2I a2aWe-NWUNUX3-N5

I MUNIUNW BHa353HNWSB35UHNUN5ea4, R HNWSB35UHN, Ba-
H2I BaW25UN2HWWHX-p-U2- U2I5 HX- NH N UNaB-2WI B3a ea
WI5eaBN-NI aWaBN1HB5UHNWHX5ea4, R HNWSB35UHN, Ba-
2HB-5aI U5eUN5ea BH-IaB4-N5-, N-g-We 2dUN-N-Ba-
32-WUXdI-W UNaB-2RaWI B3a HNa Ua -Ba-WHXUaN5UXdI
UNaB-2BaWI B3a WUNUX3-N3a eUW-Ba- 3HN5-UNW NH NBaWI B3aW
HX3HN3Ba5a/B-Ia-//Ba/-5a-NI 5ea 11aB4-N5-, N-g-We-W
aaNUaN5UXdI-WHNa HX5ea aW-//Ba/-5aIa1HW5WUN5ea45-5aHX
-2UXHBNU- H apaB1Ua2UNa-NI Ba2-5aI X-3U2I5 3HNWSB35UHN
H2I HN2 1Ba32Ia-33aWe5H-//Ba/-5aUN-3HBBUHB U5e-
- U UI5e HX-11BHU-5a2 Xaa5 eaBaXHBa BHa35
Ba2-5aI 3HNWSB35UHN H2I NH5BaW25UN5ea2HWWHX-11Ba3U-2a
-N5U5laWHX- NH N UNaB-2BaWI B3a

a HN32 WUHN ea1H5aN5U-2U1-35HX5ea BHa35HNaXXa35W
-WWBU-5aI UNaB-2BaWI B3aWUW2aWe-NWUNUX3-N5

3 apU2 -N HN HNWSB35UHN, Ba-

S 4 WW-N5U-2aBHWUHN-NI WaI UaN5-5UHN - H33 BI BUW
/B-IUW -NI a 3-p-5UHN-35pU5laW-WWBU-5aI U5e 3HNWSB35UHNHXNa
1UIa2UNaW-NI Ba2-5aI -11 B5aN-N3aWBaW25UW UNWUNUX3-N5U1-35W

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UNaBHWUHN-NI
WaI UaN5-5UHNI BUW /B-IUW -NI a 3-p-5UHNHXNa 1UIa2UNaW-NI
Ba2-5aI -11 B5aN-N3aW ea1H5aN5U-2U1-35WHX5ea BHa35HN
aBHWUHN-NI WaI UaN5-5UHN-BaIUW WaI UN5ea B-XSSTR-51-/aW
-NI

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

MUNIUNW WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHBa5a U5U-5UHN
a-WBa S UN4a35UHN -NI HX5ea B-X5
STR-NI UN4a35UHN 1-/a HX5ea MDN-2STR eU3e U22
aNWBa5e-5 aXHBa a/UNNUN 3HNWBB35UHN NUg aW5aBN U22
1Ba1-Ba-NI W U55H5ea 4, Rg XHB-11BHp-2-
WaIU aN5-5UHN-NI aBHWBN3HN5BH212-N-NI-4g g eaBa
1HWWU2a aBHWBN3HN5BH2 a-WBaW U22 aU12a aN5aI
NUg aW5aBN aXHBa a/UNNUN HB UN5ea B-UN Wa-WN-NI 5H
UNU Ua WeHB55aB U1-35W-WWBU-5aI U5e aBHWBN-NI HXXW5a
WZ5-5UHNHX5ea 4, R W5-NI-B aBHWBN-NI WaIU aN53HN5BH2
Xa-5BaW U22 a WaII BDN-NI U aIU-5a2-X5aB/B-IUN-NI
a 3-p-5UHNW, 4g UW-Ba UBa aN5HX5ea aNaB-2
HNWBB35UHN45HB -5aB S4 aB U5

I MDNIUN W Ra UBDN U12a aN5-5UHNHXaBHWBN3HN5BH2-NI -5aB
-215 1BHBa35UHN a-WBaW NIaB S I BDN 3HNWBB35UHN
U22BaI 3a5ea U1-35WBaW25UN XBH 5ea/BH NI IUW B-N3a
I BDN 3HNWBB35UHN, N Ba -UNUN U1-35W U22 a 2aWW5e-N
WUNUX3-N5

a HN32 WBHN ea 1H5aN5U-2U1-35HX5ea BHa35HNaBHWBN-NI
WaIU aN5-5UHNUW2aWW5e-NWUNUX3-N5

S UW5e-B a HX/BH NI -5aBXBH Ia -5aBDN a22WI BDN
a 3-p-5UHN-35pU5UaW3H 21 3- WaW W5-N5U-2WeHB55aB WaIU aN5W5H B
-NI aBHWBN-NI 5ea 1HUN5HXIUW5e-B a BaW25UN UNWUNUX3-N5U1-35W

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UNWaIU aN5W5H B-NI
aBHWBN-55ea 1HUN5HXIUW5e-B a ea 1H5aN5U-2U1-35WHX5ea
BHa35HNWeHB55aB WaIU aN5W5H B-NI aBHWBN3- WaI-Ba
IUW5 WaI UN5ea B-X5STR-51-/aW -NI -NI
-NI

T 1-35 BHBB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHBa5a U5U-5UHN
a-WBa S UN4a35UHN -NI HX5ea B-X5
STR-NI UN4a35UHN 1-/a HX5ea MDN-2STR eU3e U22
aNWBa5e-51BHBB5HIa -5aBDN a22WI BDN a 3-p-5UHN-35pU5UaW
NUg aW5aBN U22IUBa355ea 3HN5B-35HB5HUNW5-22aNaB
IUWWI-5UHNIapU3aW-5IUW5e-B a 1HUN5W5H1BapaN5aBHWBN
4aIU aN5-5UHN -WUNW U22 a WaI-5Ia -5aBDN IUW5e-B a 1HUN5W
5H1BapaN5a 3aWWIH NW5Ba- WaIU aN5-5UHN ea -WUNW U22 a
3HNWBB35aI aXHBa Ia -5aBDN -NI Ba/2-B2 -UN5-UNaII BDN
3HNWBB35UHN UN32 IUN-X5aBW5HB apaN5W5H aa15ea UN/HHI
HB UN/HBaB, HN5HB U22paBX aXa35Upa H1aB-5UHNHXaNaB
IUWWI-5UHNXa-5BaWI BDN Ia -5aBDN

MDNIUN WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

I MDNUNW Ra UBDV 5ea UNW-22-5UHNHXaNaB IUWWI-5UHNIapU3aW
1BUHB5HIa -5aBDV -35pU5laW NIaB S H 2I 1BHpUa
-11BH1BJ-5a aBHWUHN3HN5BH2 a-WBaWI BDV a 3-p-5UHN-35pU5laW
5e-5UNpH2pa Ia -5aBDV a22W, N Ba -UNUV U 1-35W U22 a 2aWW
5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5J-2U 1-35HX5ea BHa35HN1H5aN5J-2
WaI U aN5-5UHN-NI aBHWUHNUW2aWW5e-NWUNUX3-N5

S S 3-p-5UHNHX2-B/a 5a 1HB3B W2HIaW5H-33H HI-5a
1UIa2UNa UNW-22-5UHN-5/B3IUaN5W-WW5aa1-W UN NW5-2a/aH2H/U3
NL5W3H2I BaW25UNWUNUX3-N5U 1-35W-WWB3U-5aI U5e HNW5a2-NIW2UIaW
HB3H22-1Wa

- H5aN5J-2T 1-35 ea BHa353H2I BaW25UNHNW5a2-NIW2UIaWHB
3H22-1WaWXBH 5ea a 3-p-5UHNHX5a 1HB3B W2HIaW ea 1H5aN5J-2
U 1-35WHX5ea BHa35-WWB3U-5aI U5e HNW5a2-NIW2UIaWHB3H22-1Wa
-BaIUW WaI UN5ea B3XSSTR-51-/aW -NI

T 1-35 BUHB5H U5U-5UHN H5aN5J-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN
a-WBaW S UN4a35UHN HX5ea B3XSSTR eU3e
U22aNWBa5e-5 NUg aW5aBN U22U12a aN5Ba3H aNI-5UHNW
aW-2UWaI UN-W5a Wa3UX3/aH5a3eN3-2Ba1HB5 1Ba1-BaI -
-2UXaI/aH5a3eN3-2aN/UNaaBHBaN/UNaaBDV/aH2H/UW ea
Ba1HB5Ba3H aNI-5UHNW U22 a -WaI HN-3H 1BaeaNWpa
ap-2-5UHNHXW2HIa W-U25 WaUW U3 -NI WHU23HNIU5UHNW5e-5 -
-XXa353HNW5B35UHNHX5ea 1UIa2UNaW-NI Ba2-5aI X-3U25laW ea
Ba3H aNI-5UHNW U22 a 3HNWW5aN5 U5e 1BHpUWHNWHX5ea
-2UXHBNJ HIa HXRa/2-5UHNW U52a HNW5B35UHN4-Xa5
B3aBW BHa35/B3IUN-NI a 3-p-5UHNW U22 a H WaBpaI -
/aH5a3eN3-2aN/UNaaBaN/UNaaBDV/aH2H/UW5HBHBHeaB -2UXaI
Ba1BaWN5-5pa 5HpaBUX 3H 12J-N3a U5e Ba3H aNI-5UHNWHX5ea
/aH5a3eN3-2Ba1HB5 ea/aH5a3eN3-2UNpaW5U-5UHN U22 a
3H 12a5aI UN-33HB3-N3a U5e 41a3U-2 2I3-5UHN
Guidelines for Evaluating and Mitigating Seismic Hazards in California -NI 4H 5eaBN -2UXHBNJ S-B5e - a
aN5aB *Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for Analyzing and Mitigating Liquefaction in California* 4 S

I MDNUNW ea a 3-p-5UHNHX2-B/a 5a 1HB3B W2HIaW5H
-33H HI-5a 1UIa2UNa UNW-22-5UHN-5/B3IUaN5W-WW5aa1-W UN
NW5-2a/aH2H/U3 NL5W3H2I BaW25UNW2HIa X-U2 Ba-NI-WWB3U-5aI
IUW3 15UHNHX3HNW5B35UHN I- -/a 5Ha UI aN5-NI 1HWWU2a
UN B 5H HB3aBW ea U 12a aN5-5UHNHXW5a Wa3UX3

MDNUNW ESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

Ba3H aNI-5UHNW NIaB S U22 1BHpUa-11BH1BJ-5a
WHIa W- U25 a-WBaWI BJNV a 3-p-5UHN-35pU5UaWBaI 3UNV 5ea
1H5aN5J-2U 1-35W5H a2H 5ea 5eBaWH21 HXWUNUX3-N3a , N
Ba -UNUNV U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5J-2U 1-35HX5ea BHa35HNaXXa35W
-WWBJ-5aI U5e HNW5a 2-NI WUaWHB3H22-1Wa UW2aWW5e-N
WUNUX3-N5

I 52a Baa HNWSB35UHN, Ba-

S 4 W-N5J-2aBHWUHN-NI WaI U aN5-5UHN - H33 BI BJNV
/BIUNV -NI a 3-p-5UHN-35pU5UaW-WWBJ-5aI U5e 3HNWSB35UHNHXNa
1UIa2UNaW-NI Ba2-5aI -11 B5aN-N3aWBaW25UNV UNWUNUX3-N5U 1-35W

- H5aN5J-2T 1-35 ea BHa353H 21 BaW25UNaBHWUHN-NI
WaI U aN5-5UHNI BJNV /BIUNV -NI a 3-p-5UHNHXNa 1UIa2UNaW-NI
Ba2-5aI -11 B5aN-N3aW ea 1H5aN5J-2U 1-35WHX5ea BHa35HN
aBHWUHN-NI WaI U aN5-5UHN-Ba IUW WaI UN5ea BXS STR-51-/aW
-NI

T 1-35 BUHB5H U5U-5UHN H5aN5J-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHBJ-5a U5U-5UHN
a-WBa S UN4a35UHN -NI HX5ea BXS
STR-NI UN4a35UHN 1-/a HX5ea MUN-2STR eU3e U22
aNWBa 5e-5 aXHBa a/UNNUNV 3HNWSB35UHN NUg aW5aBN U22
1Ba1-Ba-NI W U55H5ea 4, Rg XHB-11BHp-2-
WaI U aN5-5UHN-NI aBHWUHN3HN5BH212-N-NI -4g g eaBa
1HWWU2a aBHWUHN3HN5BH2 a-WBaW U22 a U12a aN5aI
NUg aW5aBN aXHBa a/UNNUNV HB UN5ea BUN Wa-WHN-NI 5H
UNU Ua WeHB55aB U1-35W-WWBJ-5aI U5e aBHWUHN-NI HXXW5a
WU5-5UHNHX5ea 4, R W5-NI-BI aBHWUHN-NI WaI U aN53HN5BH2
Xa-5BaW U22 a WaI I BJNV -NI U aIU-5a2 -X5aB/BIUNV -NI
a 3-p-5UHNW, 4g UW-Ba UBa aN5HX5ea aNaB-2
HNWSB35UHN45HB -5aB S4 aB U5

I MUNUNV WRa UBJNV U12a aN5-5UHNHXaBHWUHN3HN5BH2-NI -5aB
-25 1BH5a35UHN a-WBaWI BJNV 3HNWSB35UHN NIaB S
U22BaI 3a 5ea U1-35WBaW25UNV XBH 5ea /BH NI IUW B-N3a
I BJNV 3HNWSB35UHN, N Ba -UNUNV U1-35W U22 a 2aWW5e-N
WUNUX3-N5

a HN32 WUHN ea 1H5aN5J-2U 1-35HX5ea BHa35HNaBHWUHN-NI
WaI U aN5-5UHNUW2aWW5e-NWUNUX3-N5

S UW5e-B a HX/BH NI -5aBXBH Ia -5aBJNV a22WI BJNV

MUNUNV WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

a 3-p-5UHN-35pU5taW3H 2I 3- VaW W W5-N5U-2WeHB55aB VaWI U aN5W3H B-NI aBHMWHN-NI 5ea 1HUN5HXIUW3e-B/a BaW25UNV UNWUNUX3-N5U 1-35W

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UNVaWI U aN5W3H B-NI aBHMWHN-55ea 1HUN5HXIUW3e-B/a ea 1H5aN5U-2U 1-35WHX5ea BHa35HNWeHB55aB VaWI U aN5W3H B-NI aBHMWHN3- VaWI -Ba IUW3 WaWI UN5ea B/X5STR-51-/aW -NI -NI

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHBH5a U5U-5UHN a-WBa S UN4a35UHN -NI HX5ea B/X5 STR-NI UN4a35UHN 1-/a HX5ea MDN-2STR eU3e U22 aNWBa 5e-51BUHB5HIa -5aBDV a22WI BDV a 3-p-5UHN-35pU5taW NUg aW5aBN U22IUBa355ea 3HN5B35HB5HUNW5-22aNaB/ IUWWI-5UHNIapU3aW-5IUW3e-B/a 1HUN5W5H1BapaN5aBHMWHN 4aIU aN5-5UHN -WDNW U22 a VaWI -5Ia -5aBDV IUW3e-B/a 1HUN5W 5H1BapaN5a 3aWWI H NW5Ba- VaWI U aN5-5UHN ea -WDNW U22 a 3HNW5B35aI aXHBa Ia -5aBDV -NI Ba/ 2-B2 -UN5-UNaI I BDV 3HNW5B35UHN UN32 IUV -X5aBW5HB apaN5W5H aa1 5ea UN/HHI HB UV HB/aB, HN5HB U22paBUX aXa35pa HIaB-5UHNHXaNaB/ IUWWI-5UHNXa-5 BaWI BDV Ia -5aBDV

I MDNIUV W Ra UBDV 5ea UNW5-22-5UHNHXaNaB/ IUWWI-5UHNIapU3aW 1BUHB5HIa -5aBDV -35pU5taW H 2I 1BHpUa-11BHIB-5a aBHMWHN 3HN5BH2 a-WBaWI BDV a 3-p-5UHN-35pU5taW5e-5UNpH2pa Ia -5aBDV a22W U5U-5UHN U22BaI 3a 5eUWU 1-355H a2H 5ea 5eBaWeH2I HXWUNUX3-N3a, N Ba -UNUV U 1-35W U22 a 2aWW5e-N WUNUX3-N5

a H32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN1H5aN5U-2 VaWI U aN5-5UHN-NI aBHMWHNUW2aWW5e-NWUNUX3-N5

S S 3-p-5UHNHX2-B/a 5a 1HB/B WUHIaW5H-33H HI-5a 1UIa2UNa UNW5-22-5UHN-5/B/IUaN5W-WW5aa1-W UN NW5-2a/aH2H/U3 N5W3H 2I BaW25UNWUNUX3-N5U 1-35W-WWB3U-5aI U5e HN W5a 2-NI WDUaWHB 3H22-1WaWXBH 5ea a 3-p-5UHNHX5a 1HB/B WUHIaW ea 1H5aN5U-2 U 1-35WHX5ea BHa35-WWB3U-5aI U5e HN W5a 2-NI WDUaWHB3H22-1Wa -BaIUW3 WaWI UN5ea B/X5STR-51-/aW 5H

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHBH5a U5U-5UHN a-WBaW S UN4a35UHNW -NI HX5ea

MDNIUV WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B/e

Tg S4 SR S T T -/a

B-XSSTR eU3e U22aNWBa5e-5 NUg aW5aBN U22U12a aN5
Ba3H aNI-5UHNWaW5- 2UWaI UN- W5a Wa3UX3/aH5a3eN3-2Ba1HB5
1Ba1-BaI - -2UXaI/aH5a3eN3-2aN/UNaaBHBaN/UNaaBUN
/aH2H/UW5 ea Ba1HB5Ba3H aNI-5UHNW U22a -WaI HN-
3H 1BaeaNWpa ap-2-5UHNHXW2H1a W5- U215 WaUW U3-NI WH12
3HNIU5UHNW5e-5 - -XXa353HNW5B35UHNHX5ea 1Ua2UNaW-NI Ba2-5aI
X3U215aW ea Ba3H aNI-5UHNW U22a3HNW5aN5 U5e 1BHpUWHNW
HX5ea -2UXHBNU HIaHXRa/2-5UHNW U52a HNW5B35UHN4-Xa5
BIaBW BHa35/BIUN-NIa 3-p-5UHNW U22aH WaBpaI -
/aH5a3eN3-2aN/UNaaBaN/UNaaBUN/aH2H/UW5HB5eaB -2UXaI
Ba1BaWN5-5Upa 5HpaBX 3H 12U-N3a U5e Ba3H aNI-5UHNWHX5ea
/aH5a3eN3-2Ba1HB5 ea/aH5a3eN3-2UNpaW5U-5UHN U22a
3H 12a5aI UN-33HBI-N3a U5e 41a3U-2 213-5UHN
Guidelines for Evaluating and Mitigating Seismic Hazards in California -NI 4H 5eaBN -2UXHBNU S-B5e - a aN5aB *Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for Analyzing and Mitigating Liquefaction in California* 4 S

I MUNIUN/W ea a 3-p-5UHNHX2-Ba 5a 1HB-B WaH1aW5H
-33H HI-5a 1Ua2UNa UNW5-22-5UHN-5/BIUaN5W-WW5aa1-W UN
NW5-2a/aH2H/U3 NU5W3H 21 BaW25UNWaH1a XU2 Ba-NI-WWBU-5aI
IUWB15UHNHX3HNW5B35UHN I--/a5Ha UI aN5-NI 1HWWU2a
UN B5H HBaBW ea U12a aN5-5UHNHXW5a Wa3UX3
Ba3H aNI-5UHNW NIaB S U221BHpUa-11BH1BU-5a
WaH1aW5- U215 a-WBaWI BUN/a 3-p-5UHN-35UpU5UaWBaI 3UN/5ea
1H5aN5U-2U1-35W5H a2H 5ea 5eBaWaH21HXWUNUX3-N3a , N
Ba -UNUN/U1-35W U22a 2aW5e-NWUNUX3-N5

a HN32 WaHN ea 1H5aN5U-2U1-35HX5ea BHa35HNaXXa35W
-WWBU-5aI U5e HNW5a 2-NIW2UaWHB3H22-1WaUW2aW5e-N
WUNUX3-N5

BHa35 1aB-5UHN-NI -UN5aN-N3a

- 4-N5-, N-RUpaB HNW5B35UHN, Ba-

S ea 4-N5-, N-RUpaB HNW5B35UHN, Ba-UW2HB-5aI HN-
/aH2H/U3 NU55e-53H21 a3H a NW5-2aI a5HIUXXaBaN5U-2Wa552a aN5
-WWBU-5aI U5e 5ea BHa35-NI 1H5aN5U-22 BaW25UN3H22-1Wa

- H5aN5U-2T 1-35 ea BHa353H21 BaW25UN5ea 3H22-1WaHX-N
NW5-2a/aH2H/U3-2 NU5 ea 1H5aN5U-2U1-35WHX5ea BHa35HN
5ea W5- U215 HX-/aH2H/U3 NU5-BaIUW WaI UN5ea B-XSSTR-5
1-/a

T 1-35 BHBB5H U5U-5UHN aW5e-NWUNUX3-N5

MUNIUN/WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- VaU 1-35WBa2-5aI 5HIUXXaBaN5U-2Wa552a aN5-WWB U-5aI
U5e 5ea BHa35-Ba 2aWW5e-NWUNUX3-N5

I MDNIUNW ea 1BHIHWaI 1Ua2DNaW-Ba 2HB-5aI HN-22 pU eU3e
UWW a355H5a35HNU3 W WUaN3a-NI IUXXaBaN5U-2Wa552a aN5
H apaB 5ea 1Ua2DNaW H 2I a NIaB2-UN - aI HX
WNI -//Ba/-5a 5H3 WeUHN5ea 1Ua-NI 1BHpUa- NUXHB 2
3H 1-35aI WH2WBX3a HN5H eU3e 5ea 1Ua H 2I a2-UI 5e W
UNU UUNW U 1-35WI a 5H5a35HNU3 W WUaN3a-NI IUXXaBaN5U-2
Wa552a aN5 T 1-35W-Ba 2aWW5e-NWUNUX3-N5

a HN32 WeHN ea 1H5aN5U-2U 1-35HX5ea BHa35Ba2-5aI 5H5a35HNU3
W WUaN3a-NI IUXXaBaN5U-2Wa552a aN5UW2aWW5e-NWUNUX3-N5

apU2 -N HN HNWBB35UHN, Ba-

S ea apU2 -N HN HNWBB35UHN, Ba- UW2HB-5aI HN-
/aH2H/U3 NU55e-53H 2I a3H a NW5- 2aI a 5HIUXXaBaN5U-2Wa552a aN5
-WWB U-5aI U5e 5ea BHa35 -NI 1H5aN5U-22 BaW25UN3H22-1Wa

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN5ea 3H22-1Wa HX-N
NW5- 2a/aH2H/U3-2 NU5 ea 1H5aN5U-2U 1-35WHX5ea BHa35HN
5ea W5- U25 HX-/aH2H/U3 NU5-BaIUW WaI UN5ea B-X5STR-5
1-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- VaU 1-35WBa2-5aI 5HIUXXaBaN5U-2Wa552a aN5-WWB U-5aI
U5e 5ea BHa35-Ba 2aWW5e-NWUNUX3-N5

I MDNIUNW g U5e 5ea a 3a15UHNHXWBX3a X- 25B15 Ba HIaB-5UHN-2
WaUW U3U 1-35W H 2I a WU U2-B 52aWW5e-N5eHWIaW5BUaI XHB
5ea 4-N5-, N-RUpaB HNWBB35UHN, Ba- 4apaBa WaUW U3-22
UNI 3aI /BH NI W- UNW 3H 2I BaW25UNB15 Ba HX5ea apU2
-N HN -WW Ua2DNa, Ba2a-Wa HX -5aBXBH 5ea XHH5
IU- a5aB1Ua2DNa H 2I 2Ua2 NH5I- -/a-N IH NW5Ba-
W5B35 BaW TNIUBa35U 1-35W H 2I a 2aWW5e-NWUNUX3-N5-NI NH
U5U-5UHNUWBa UBaI

a HN32 WeHN ea 1H5aN5U-2U 1-35HX5ea BHa35Ba2-5aI 5H5a35HNU3
W WUaN3a-NI IUXXaBaN5U-2Wa552a aN5UW2aWW5e-NWUNUX3-N5

S UW5HB3/BH NI -5aB3HNU5UHNW3H 2I a 1HWaW5B35 BaWUN
5ea apU2 -N HN HNWBB35UHN, Ba- 5HW W5-N5U-2-IpaBWaXXa35W
UNpH2pUNW WaUW U3-22 UNI 3aI 2U aX35UHN

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UNWaUW U3-22 UNI 3aI 2U aX-35UHN ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-IpaBWa aXa35WUNpH2pUNV WaUW U3-22 UNI 3aI 2U aX-35UHN-BaIUW9 WaI UN 5ea B-X5STR-51-/a -NI UN5ea MUN-2STR-51-/aW 5eBH/e

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- WaUNI UBa35U 1-35W H 2I a 2aWW5e-NWUNUX3-N5

I MUNIUNVW UW5HB3/BHNI -5aB3HNIU5UHNW3H 2I a 1HWaW5B35 BaW UN5ea apU2 -N HN HNW5B35UHN, Ba- 5HW W5-N5U-2-IpaBWa aXa35WUNpH2pUNV WaUW U3-22 UNI 3aI 2U aX-35UHN ea BHa35 3HNW5B35UHNW5a UW2HB-5aI UN-N-Ba- HX HIaB5a eUW5HB3 2U aX-35UHNWW9a15UU15 Ra/-B2aWWHX BHa35UNI 3aI 3e-N/aW UN/BHNI -5aB2apa2W5ea 1BHIHWaI 1UIa2UNa 3H 2I I BUN HIaB-5UHN aW a355H2U aX-35UHNUN5ea apaN5HX-2-B/a a-B5e - a 4aUW U3-22 UNI 3aI 2U aX-35UHN3H 2I BaW25UN B15BaHX5ea apU2 -N HN -WW UIa2UNa , Ba2a-WaHX -5aB XBH 5ea XHH5IU- a5aB1UIa2UNa H 2I NH52UIa2 I- -/a-N IH NW5Ba- W5B35 BaW TNIUBa35U 1-35W H 2I a 2aWW5e-N WUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35Ba2-5aI 5H WaUW U3-22 UNI 3aI 2U aX-35UHNUW2aWW5e-NWUNUX3-N5

3 52a Baa HNW5B35UHN, Ba-

S ea 52a Baa HNW5B35UHN, Ba- UW2HB-5aI HN-/aH2H/U3 NU55e-53H 2I a3H a NW9-2aI a 5HIUXXaBaN5U-2Wa552a aN5-WWBU-5aI U5e 5ea BHa35-NI 1H5aN5U-22 BaW25UN3H22-1Wa

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN5ea 3H22-1WaHX-N NW9-2a/aH2H/U3-2 NU5 ea 1H5aN5U-2U 1-35WHX5ea BHa35HN 5ea W9-U15 HX-/aH2H/U3 NU5-BaIUW9 WaI UN5ea B-X5STR-5 1-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- WaU 1-35WBa2-5aI 5HIUXXaBaN5U-2Wa552a aN5-WWBU-5aI U5e 5ea BHa35-Ba 2aWW5e-NWUNUX3-N5

I MUNIUNVW 4apaBa WaUW U3-22 UNI 3aI/BHNI We- UNV 3H 2I BaW25 UNB15BaHX5ea 4-N - Bd2 -22a NU3U-2g -5aB UW5B35 52a UIa2UNa-NI 5ea -35W -WUNW UIa2UNa , Ba2a-WaHX -5aB

XBH 5ea XHH5IU- a5aB1UIa2DNaW H 2I 2Ua2 N-H5I- -/a-N
IH NWBa- WB 35 BaW TNIUBa35U 1-35W H 2I a 2aWW5e-N
WJNOX3-N5

a HN32 WdHN ea 1H5aN5U-2U 1-35HX5ea BHa35Ba2-5aI 5H5a35HN3
W WJaN3a-NI IUXXaBaN5U-2Wa552a aN5UW2aWW5e-NWJNOX3-N5

I 4-N aBN-BIUNH -WON, Ba-

S ea WBX3a-Ba- a 1HWaI 5H2U aX-35UHN 1H5aN5U-2 U5eUN
5ea BaWWBa HNa HX4-N aBN-BIUNH -WON, Ba- NIaB-22 BHa35
W3aN-BUHWUW2aWW5e-N NIaB H BHa353HNIU5UHNW

- H5aN5U-2T 1-35 ea BHa35 U22BaW25UN- BaI 35UHNHX5ea-Ba-
U5eUN5ea BaWWBa HNa a 1HWaI 5H2U aX-35UHN eUWU 1-35UW
IUW WWaI UN5ea B-X5STR-51-/a -NI UN5ea MDN-2STR-5
1-/aW 5eBH/e

T 1-35 BUHB5H U5U-5UHN aNaX3U-2

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa5ea U 1-35UW aNaX3U-2

I MDNIUNW NIaB-22 BHa35W3aN-BUHW5eaBa UW-Na5BaI 35UHNUN
5ea-Ba- U5eUN5ea BaWWBa HNa HX5ea 4 , a 1HWaI 5H5ea
1H5aN5U-2XHB2U aX-35UHN

a HN32 WdHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNaXXa35W
-WWBU-5aI U5e 2U aX-35UHNUW aNaX3U-2

S 4 BX3a-Ba- a 1HWaI 5H2U aX-35UHN 1H5aN5U-2H 5WJa 5ea
BaWWBa HNa HX5ea 4-N aBN-BIUNH -WON, Ba- NIaB-22 BHa35
W3aN-BUHWUW2aWW5e-N NIaB H BHa353HNIU5UHNW

- H5aN5U-2T 1-35 ea BHa35 U22BaW25UN- BaI 35UHNHX5ea-Ba-
H 5WJa 5ea BaWWBa HNa a 1HWaI 5H2U aX-35UHN eUWU 1-35UW
IUW WWaI UN5ea B-X5STR-51-/a -NI UN5ea MDN-2STR-5
1-/aW 5eBH/e

T 1-35 BUHB5H U5U-5UHN aNaX3U-2

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa5ea U 1-35UW aNaX3U-2

I MDNIUNW NIaB-22 BHa35W3aN-BUHW5eaBa UW-Na5BaI 35UHNUN
5ea-Ba- H 5WJa 5ea BaWWBa HNa HX5ea 4 , a 1HWaI 5H5ea
1H5aN5U-2XHB2U aX-35UHN

MDNIUNWE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

a HN32 WEN ea 1H5aN5U-2U 1-35HX5ea BHa35HNaXXa35W -WWBU-5aI U5e 2U aX-35UHNUW aNaX3U-2

E. Land Use and Planning

BHa35 1aB-5UHN-NI -UN5aN-N3a

- 4-N aBN-BUNH -WUN, Ba-

TN3Ba-WaWUN/BH NI -5aB2apa2WI a 5H BHa35HIaB-5UHNW3H 2I 3HNXI35 U5e a UW5UNV 2-NI WaW-NI 2U U5X5 Ba WaHX1BHIaB5 UN5ea BaWWBa HNa HX5ea 4-N aBN-BUNH -WUN, Ba-

- H5aN5U-2T 1-35 ea BHa353H 2I 3HNXI35 U5e a UW5UNV 2-NI WaW-NI 2U U5X5 Ba WaHX1BHIaB5 ea 1H5aN5U-2U 1-35WHX5ea BHa35HNa UW5UNV 2-NI WaW-NI 1H5aN5U-22U U5W5HX5 Ba WaHX 1BHIaB5 UN5ea BaWWBa HNa HX5ea 4 , -BaIUW WaI UN5ea B-XSSTR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUXI3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- Wa5ea BWaUNW5-513/BH NI -5aB2apa2W H 2I e-pa-2aWW5e-NWUNUXI3-N5U 1-35HN5ea 1BHIaB5 UN5ea BaWWBa HNa HX 5ea 4 ,

I MUNIUNV WTN3Ba-WaWUN/BH NI -5aB2apa2WI a 5H BHa35 HIaB-5UHNW3H 2I 3HNXI35 U5e a UW5UNV 2-NI WaW-NI 2U U5X5 Ba WaHX1BHIaB5 UN5ea BaWWBa HNa HX5ea 4 , ea UN5a/B-5aI WBX3a -5aB-NI/BH NI -5aB HIa2WIapa2HIaI XHB5ea BHa35 aBa WaI 5Hap-2-5a 3e-NVaWUN/BH NI -5aB2apa2W-5-N aB HXUNIa a22W-NI WBa-IUNV/BH NIW5eBH/eH 55ea 4 , UN32IUNV a22WUN5ea BaWWBa HNa NIaB3HNIU5UHNW eaBa /BH NI -5aBUW32HWa5H5ea/BH NI WBX3a 5eUW3-Ne-pa U 1213-5UHNWBa/-BUNV 5ea-11BHIBU5aNaWWHX3aB5-UN2-NI WaWUN W3e-Ba-W -WaI HNIUW WWUHNW U5e 2HB-2-/aN3UaWU5 -W Ia5aB UNaI 5e-5-2-NI Wa 3HNXI353H 2I HB3 BUXW5-513 -5aB 2apa2W-5HNa HB HBa UNIa a22WUN5ea BaWWBa HNa UN3Ba-WaI -N-paB/a HX HBa5e-N Xaa5I BUNV -Ba1a55UHNHX5ea a-B -Wa1aBUHIe IBHZHY eaN3H 1-BaI 5HW5-513 -5aB2apa2W NIaB H BHa353HNIU5UHNW -WaI HN HIa2BaW25WU5UWaW5U-5aI 5e-5 W5-513/BH NI -5aB2apa2W-5UNIa a22W2HB-5aI UN5ea BaWWBa HNa H 2I N-H5BWa HN-paB/a HpaB5ea a-BXHBa3-W51aBUHI HBa5e-N Xaa5 eaN3H 1-BaI -/-UNW5 H BHa353HNIU5UHNW NIaB-N HX5ea BHa35WaN-BUHW

a HN32 WEN ea 1H5aN5U-2U 1-35HX5ea BHa35HNaXXa35W -WWBU-5aI U5e a UW5UN/ 2-NI Wa/-NI X5 Ba Wa HX1BH1aB5 UW2aWW 5e-NWUNUX3-N5

BHa353HNWSB35UHN-NI H1aB-5UHN3H 2I a UN3HNWUWSaN5 U5e 4-N aBN-BIUNH H N5 1HD23UaWBa2-5aI 5H -UN5-UNUN/ -5aB 5U25UaWI BIN/ WaUW U3apaN5W

- H5aN5U-2T 1-35 ea BHa353H 2I a UN3HNWUWSaN5 U5e 4-N aBN-BIUNH H N5 1HD23UaWBa2-5aI 5H -UN5-UNUN/ -5aB 5U25UaW I BIN/ WaUW U3apaN5W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN4-N aBN-BIUNH H N5 1HD23UaWBa2-5aI 5H -UN5-UNUN/ -5aB 5U25UaW I BIN/ WaUW U3apaN5W-Ba IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB-5a U5U-5UHN a-WBa S eU3e Ba UBaW5ea UNW-22-5UHNHX- -5aB XH W 5HXXp-2pa-55ea 2 N/a HH2TN5- a 45B35 Ba XHB5ea 1 BIHWaHX5aB UN-5UN/ XH XH2H UN/ -2-B/a a-B5e - a UN5ea pU3UN5 HX5ea W5a

I MDNIUN/W, IH15UHNHX S H 2I - a 5ea BHa35 3HNWSaN5 U5e 5ea 4-N aBN-BIUNH H N5 /H-2WBa/-BIUN/ 5ea UNW-22-5UHNHX3 5HXXIapU3aWHN 5U25 2DNaW eUW3HNWSaN3 U5e 5ea H N5 WI2-NBaI 3aW5ea 2apa2HX5eUWU 1-35 a2H 5ea WUNUX3-N55eBaWeH2I

a HN32 WEN ea 1H5aN5U-2U 1-35HX5ea BHa35HN4-N aBN-BIUNH H N5 1HD23UaWBa2-5aI 5H -UN5-UNUN/ -5aB 5U25UaWI BIN/ WaUW U3apaN5WUW2aWW5e-NWUNUX3-N5

F. Agricultural Resources

BHa35 HNWSB35UHN

- 4-N5-, N-RUpaB HNWSB35UHN, Ba-

, HNWSB35UHNHX5ea aW5aBN HW51HB5UHNHX e-Wa THX5ea 2 N/a HH2 Ua2DNa H 2I BaW25UN5ea 5a 1HB-B 3HNpaBWHNHX-11BH U-5a2 -3BaWHXT 1HB5-N5M4B 2-NI 5HNHN-/B3 25 B-2 Wa

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN5ea 5a 1HB-B 3HNpaBWHNHX-11BH U-5a2 -3BaWHXX-B 2-NI 5HNHN -/B3 25 B-2 WaW ea 1H5aN5U-2U 1-35WHX5ea BHa35HN5ea 3HNpaBWHNHXU 1HB5-N5X-B 2-NI 5HNHN-/B3 25 B-2 Wa-Ba IUW WaI UN5ea B-X5STR-51-/aW -NI

MDNIUN/WESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -Be

Tg S4 SR S T T -/a

T 1-35 BHHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUW1H5aN5U-2
U 1-35 a3- Wa 5ea U 1-35UW3HNWUaBaI 2aWW5e-NWUNUX3-N5

I MUNUNW HNWSB35UHNHX5ea aW5aBN HW51HB5UHNHX e-Wa THX
5ea 2 N/a HH2 Ua2UNa H 21 BaW25UN5ea 5a 1HB-B 3HNpaBWHN
HX-11BH U-5a2 -3BaWHXT 1HB5-N5M-B 2-NI 5HNHN
-/B3 25 B-2 Wa ea aW5aBN HW51HB5UHNHX e-Wa THX5ea 2 N/a
HH2 Ua2UNa H 21 a 2HB-5aI HNM-B 2-NI HX45-5a Ua
T 1HB5-N3a , 11BH U-5a2 -3BaW3H 1BWaI HX5ea aW5aBN
1HB5UHNHX e-Wa THX5ea 2 N/a HH2 Ua2UNa - Xaa5 Ua
3HBBUHB U2aW2HN HXM-B 2-NI HX45-5a Ua T 1HB5-N3a
H 21 a 5a 1HB-B2 3HNpaB5aI 5HNHN-/B3 25 B-2 WaI BUN
3HNWSB35UHNHX5ea 1Ua2UNa H apaB 3HNWSB35UHN H 21 a
3H 12a5aI U5eUN- HN5e 1aBUHI 5ea BHa351Ua2UNaW H 21
a UNW5-22aI NIaB/BH NI -NI 1Ba a UW5UN WH2W-NI WBX3a
3HNIU5UHNW H 21 a BaW5HBaI 1HN3H 12a5UHNHX3HNWSB35UHN
-35pU5aW MH2H UN 3HNWSB35UHN 5ea -/B3 25 B-22-NI H 21 a
Ba5 BNaI 5H1Ba 3HNWSB35UHN3HNIU5UHN-NI X-B UN HIaB-5UHNW
3H 21 BaW a eUW5a 1HB-B U 1-35UW2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35Ba2-5aI 5H
3HNpaBWHNHXT 1HB5-N5M-B 2-NI 5HNHN-/B3 25 B-2 WaWUW2aWW
5e-NWUNUX3-N5

G. Air Quality

BHa35 HNWSB35UHN

- 4apaN - W - -NI RaWBpHUB4-N5-, N-RUpaB apU2 -N HN-NI 52a
Baa HNWSB35UHN, Ba-W

, S UWWHNWXBH 3HNWSB35UHN-35pU5aW3H 21 a 3aaI - 3B5aBU
1H22 5-N5- UaN5-UB -215 W5-NI-BI XHB -NI
W W5-N5U-22 3HN5BU 5a 5H-Na UW5UN HB1BHa35aI -UB -215 W5-NI-BI
pUH2-5UHN HBa 1HWa WaNW5pa Ba3a15HBW5HW W5-N5U-21H22 5-N5
3HN3aN5B-5UHNW

- H5aN5U-2T 1-35 ea BHa35W3HNWSB35UHN-35pU5aW3H 21 BaW25
UN5ea a 3aaIaN3a HX- 3B5aBU 1H22 5-N5- UaN5-UB -215
W5-NI-BI XHB -NI W W5-N5U-22 3HN5BU 5a
5H-Na UW5UN HB1BHa35aI -UB -215 W5-NI-BI pUH2-5UHN HBa 1HWa
WaNW5pa Ba3a15HBW5HW W5-N5U-21H22 5-N5 3HN3aN5B-5UHNW ea
1H5aN5U-2U 1-35WHX5ea BHa35HN-UB -215 -BaI UW WaI UN5ea
BX5STR-51-/aW -NI -NI UN5ea MUN-2STR-51-/a

MUNUNW WESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

T 1-35 BHBSH U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa a UWWHNWXBH 5eaWa 1H22 5-N5W H 21 1BaWaN5-N
-IpaBWa 52aWW5e-NWUNUX3-N5U 1-35

I MDNIUNVW S UWWHNWXBH 3HNWSB 35UHN-35pU5aW H 21 NH5a 3aaI
-3B5aBU 1H22 5-N5- UaN5-UB -215 W5-NI-B XHB
-NI W W5-N5U-22 3HN5BU 5a 5H-Na UW5UV HB1BHa35aI -UB
-215 W5-NI-B pUH2-5UHN HBa 1HWa WaNW5Upa Ba3a15HBW5H
W W5-N5U-21H22 5-N53HN3aN5B-5UHNW S UWWHNWHX5eaWa 1H22 5-N5W
1BaWaN5-N-IpaBWa 52aWWWUNUX3-N5U 1-35 HNWSB 35UHNHX
BHa35Ba2-5aI 3HNpa -N3a X-3U215aW H 21 1BHI 3a H5e
3H W5Upa a UWWHNWR -NI R -NI
X/U5Upa I W5a UWWHNW a 5H5ea H U2a N-5 Ba HX HW5
1BHIHWaI 3HNWSB 35UHNa UWWHNWHBaW-NI 5ea WeHB5I B-5UHNHX
1BHIHWaI 3HNWSB 35UHN-35pU5aW BHa353HNWSB 35UHN3H W5UHN
a UWWHNW H 21 NH51BHI 3a W W5-N5U-2U 1-35WUN-/UpaN
2HB-5UHN eaBaXHBa 3H W5Upa a UWWHNWXBH BHa35
3HNWSB 35UHNa U aN5 H 21 NH5a 3aaI -N -UB -215 W5-NI-B
HB3HN5BU 5a W W5-N5U-22 5H-Na UW5UV HB1BHa35aI -UB -215
W5-NI-B HB3HN5BU 5a W W5-N5U-22 5H-Na UW5UV 1B1BHa35aI -UB
W5-NI-B pUH2-5UHN a3- Wa 5ea BHa35 H 21 Na3aWWB2 3H 12
U5e 4 , R 2a X/U5Upa I W5a UWWHNW H 21 a
3HN5BH2aI -NI a UWWHNWI BUV 3HNWSB 35UHN H 21 a
UNU-2H 5WUa 5ea 3HNWSB 35UHN-Ba-W-NI H 21 NH5pUH2-5a-N
-UB -215 W5-NI-B HB3HN5BU 5a W W5-N5U-22 5H-Na UW5UV HB
1BHa35aI -UB -215 W5-NI-B pUH2-5UHN BHa353HNWSB 35UHN
a UWWHNW H 21 BaW25UN-IpaBWa 52aWW5e-NWUNUX3-N5U 1-35W
5H- UaN5-UB -215 W5-NI-B W-NI WaNW5Upa Ba3a15HBW
NUg aW5aBNe-pa a2U UN-5aI XBH 5ea BHa355ea Ba2HB-5UHNHX-
U2a Wa35UHNHX5ea 4 S -33aWWBH-I -UB -215 U 1-35WXBH
5eUWa2a aN5IUW5 WaI UN5ea B-X5STR U225eaBaXHBa NH2HNaB
HB3 B ea a2U UN-5UHNHX5ea 1W5Ba- Ba2HB-5UHNHX5ea 4 S
-33aWWBH-I -W- BHa35a2a aN5 H 21 2aWaN 5NH5-pHU T 1-35
,

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35Ba2-5aI 5H3B5aBU-
1H22 5-N5- UaN5-UB -215 W5-NI-B WUW2aWW5e-NWUNUX3-N5

, S UWWHNWXBH 3HNWSB 35UHN-35pU5aW H 21 a 3aaI I-U2
-NI 3-2aNI-B -B5aB4 , a UWWHNWWUNUX3-N3a 5eBaWeH2IWXHB

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UNa 3aaIaN3aWHX
4 , a UWWHNWWUNUX3-N3a 5eBaWeH2IWXHB ea
1H5aN5U-2U 1-35WHX5ea BHa35HN-UB -215 XHB a UWWHNW

MDNIUNVWE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

-Ba I UW WaI UN5ea B-X5STR-51-/a -NI UN5ea MDN-2STR
-51-/a

T 1-35 BUHB3H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB-5a U5U-5UHN
a-WBaW , -NI , IaW3BJaI UN4a35UHN
HX5ea B-X5STR eU3e U22Ba UBa NUg aW3aBN5HaN3H B-/a
3HN5B-35HBW5H Wa 2WXaI IUaWa2Xa2UN3HNW3B35UHNa UI aN5
eaBa Xa-WU2a -NI 5HaN3H B-/a 3HN5B-35HBW5H Wa5ea Na aW3
IUaWa21H aBaI a UI aN5-p-U2-2a WaHX5eUW-25aBN-5upa IUaWa2
Xa2 H21 BaI 3a a UWWUHNW 1aB3aN5 BaWa35upa2
XBH 3HNpaN5UHN-2IUaWa2

I MDNIUN W ea WaHXa 2WXaI IUaWa2Xa2UN-221BHIHWaI
3HNW3B35UHNa UI aN5 H21 W W3-N5U-22 BaI 3a - U I-U2
a UWWUHNWHX-22HX5ea 1H22 5-N5WUN32 IUN a UWWUHNW
XBH 3HNW3B35UHN U22 a BaI 3aI 5H-2apa2 a2H 5ea 5eBaWH21 HX
WUNUX3-N3a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN a UWWUHNW
UW2aWW5e-NWUNUX3-N5

, HNW3B35UHNHX5ea 3HNpa -N3a X-3U25IaW H21 a 1HWa5ea
1 213 5HWI a 3HN3aN5B-5UHNWHX5H U3-UB3HN5- UN-N5W , W

- H5aN5U-2T 1-35 ea BHa353H21 a 1HWa5ea 1 213 5HWI a
3HN3aN5B-5UHNWHX , W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN
1H5aN5U-2a 1HWBa HXWI a 3HN3aN5B-5UHNWHX , 5H5ea 1 213 -Ba
IUW WaI UN5ea B-X5STR-51-/aW -NI

T 1-35 BUHB3H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa BHa353HNW3B35UHNa UWWUHNWHX , W H21
1BHI 3a 2aWW5e-NWUNUX3-N5U 1-35W5H1 213 ea-25e

I MDNIUN W HNW3B35UHNHX5ea 3HNpa -N3a X-3U25IaW H21 a 1HWa
5ea 1 213 5HWI a 3HN3aN5B-5UHNWHX , WUN5ea XHB HX
1-B53 2-5a a UWWUHNWXBH IUaWa21H aBaI HN -NI HXXBH-I
a UI aN5 H apaB5ea , Wa U55aI XBH 5eUWa UI aN5
H21 NH51BHI 3a W W3-N5U-2ea-25e U 1-35W-5-/UpaN2HB-5UHN
I a 5H5ea H U2a N-5 Ba HX5ea WI B3aW-NI 5ea WaHB5I B-5UHNHX
1BHIHWaI 3HNW3B35UHN-35upU5IaW

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNa 1HWBa HX5ea
1 213 5H , WUW2aWW5e-NWUNUX3-N5

MDNIUN WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

H. Cultural and Paleontological Resources

BHa35 HNWSB35UHN

- 4apaN - W - -NI RaWaBpHUB HNWSB35UHN, Ba-

R HNWSB35UHNHX5ea Ba-2UNaI 1WSBa- -33aWWBH-I H2I 3- Wa- 2aWW5e-NWUNUX3-N5-IpaBWa3e-N/aUN5ea WUNUX3-N3aHX5ea HIaB-5HBeHWUW 3H 12a -WWBU-5aI U5e 4, R

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UN-N-IpaBWa3e-N/aUN 5ea WUNUX3-N3aHX5eaHIaB-5HBeHWUW 3H 12a -WWBU-5aI U5e 4, R ea 1H5aN5U-2U 1-35WHX5ea BHa35HN5ea WUNUX3-N3aHX 5ea 1aB-5UW HWUW H 12a , WWBU-5aI U5e 4, R -Ba IUW WWaI UN5ea B-X5STR-51-/aW -NI

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- Wa5ea 4, R HIaB-5HBeHWUW W5a -WIa5aB UNaI 5H a NH5WUNUX3-N5-NI UNa2UU2a XHB2UW5UW HN5ea -5UHN-2 Ra/UW5aB

I MUNIUW W ea 1BHIHWaI -2UN aN5HX5ea -33aWWBH-I 3BHWaW 5eBH/e5ea -11aI 2HB-5UHNHX5ea HIaB-5HBeHWUW 3H 12a -WWBU-5aI U5e 4, R T5UWIHWU2a5e-5WI aHX5ea eUWSHB3 Xa-5BaWHN5ea NHB5eaBN1HB5UHNHX5ea W5a - aU 1-35aI I BUW 3HNWSB35UHN H apaB-WNH5aI - Hpa 5ea 4, R HIaB-5HB eHWUW W5a -WIa5aB UNaI 5H a NH5WUNUX3-N5-NI UNa2UU2a XHB 2UW5UW HN5ea -5UHN-2Ra/UW5aB 4 3HN3 BBaI U5e5eUW Ia5aB UN-5UHN eaBaXHBa U 1-35W5HeUWSHB3 BaWI B3aW-WWBU-5aI U5e5eUWW5a H2I a2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea WUNUX3-N3aHX5eaHIaB-5HBeHWUW 3H 12a -WWBU-5aI U5e 4, R UW2aWW5e-NWUNUX3-N5

R aWSB35UHNHX-N N-N5U3UI-5aI 3 25 B-2HB1-2aHN5HDH/U3-2 BaWI B3a a3- WaHX3HNWSB35UHN-35pU5UaW H2I 3- Wa- W W5-N5U-2 -IpaBWa3e-N/aUN5ea WUNUX3-N3aHX5ea BaWI B3a 1 BW-N55HWa35UHN HX S ,

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UN5ea IaWSB35UHNHX N-N5U3UI-5aI 3 25 B-2HB1-2aHN5HDH/U3-2BaWI B3aW ea 1H5aN5U-2 U 1-35HX5ea BHa35HN N-N5U3UI-5aI 3 25 B-2HB1-2aHN5HDH/U3-2 BaWI B3aW-BaIUW WWaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

MUNIUW WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB5a U5U-5UHN a-WBaW R UN4a35UHN HX5ea B-X5STR eU3e U22aNWBa5e-5 1HN5eaIUW9HpaB HX-N N-N5U3U-5aI -B3e-aH2H/U3-2HB1-2aHN5H2H/U3-2BaWIB3aIUW9HpaB I BUN/ 3HNW8B35UHN-22/BHNIUW5B-N3aW U5eUN Xaa5HX5ea IUW9HpaB U22 ae-25aI HBBaIUBa35aI 5HH5eaB-Ba-W HNW8B35UHN U22NH5BaW a N5U25eaIUW9HpaB e-WaaNIH3 aN5aI --2UXaI -B3e-aH2H/UW5HB1-2aHN5H2H/UW5-NI U5WIH5aN5U-2 WUNUX3-N3aap-2-5aI 3HNWW8aN5 U5e S , RaWIB3aW 3HNWUaBaI WUNUX3-N5 U22 a-pHUaI BHa35BaIaWUN TX -pHU-N3aUWNH5Xa-WU2a 5eaBaWIB3a U22 aW a355H-I-5-Ba3HpaB U5U-5UHN1BH/B -W-11BH1B4-5a TXe -NBa -UNW-Ba IUW9HpaBaI 5ea4-N aBN-BIUNH HN5 3HBHNaB U22 a3HN5-35aI -NI-2210B-BaI BaWBa UBaI 5ea -2UXHBNU a-25e-NI 4-Xa5 HIa S , UIa2UNaW a -NI 213 RaWIB3aW HIa U22 aXH2H aI

I MUNIUN/W 4U5aBa3HB1W-NI 25aB-55ea4-N aBN-BIUNH , B3eaH2H/U3-2TNXHB -5UHN aN5aB-55ea4-N aBN-BIUNH HN5 W aBaWa-B3eaI 5HUIaN5UX -22Ba3HB1aI 3 25 B-2BaWIB3aW -NI 1BapUH WUNpaW8U-5UHNW U5eUN- U2a3HBBUHB5e-53HN5-UNW 5eaNa UN5- aBH-IXHB5ea4apaN - W - -NI 5eaBa BH-5UN/ HX 5eaBH-I 1BHpUIUN/ -33aWW1W8Ba- HX5eaI- T5UWeU/e2 N2Ua2 5e-5-N N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2BaWIB3a - aaN3HN5aBaI I BUN/ 3HNW8B35UHN H apaB 1HNW3e IUW9HpaB 5ea U 12a aN5-5UHNHX R BaI 3aW5ea U 1-355H -2apa2HX2aWW5e-NWUNUX3-N5 , N Ba -UNUN/ U 1-35W U22 a2aWW 5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35 N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2BaWIB3aWUW2aWW5e-NWUNUX3-N5

4-N5-, N-RUpaB HNW8B35UHN, Ba-

R aW8B35UHNHX-N N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2 BaWIB3a a3- WaHX3HNW8B35UHN-35pU5aW H 21 3- Wa- W W5-N5U-2 -IpaBaW3e-N/aUN5ea WUNUX3-N3aHX5eaBaWIB3a 1 BW-N55H4a35UHN HX S ,

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UN5eaIaW8B35UHNHX-N N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2BaWIB3a-NI -N-IpaBaW 3e-N/aUN5ea WUNUX3-N3aHX5eaBaWIB3a ea1H5aN5U-2U 1-35W HX5ea BHa35HN N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2 BaWIB3aW-BaIUW9 WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

MUNIUN/WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

3 USU-5UHN a-WBa ea BHa35 U22UN3HBIHB35a USU-5UHN
a-WBaW R UN4a35UHN HX5ea B-X5STR eU3e
U22aNWBa5e-5 1HN5eaIUW9HpaB HX-N N-N53U-5aI
-B3e-aH2H/U3-2HB1-2aHN5H2H/U3-2BaWIB3aIUW9HpaBI BDV
3HNW8B35UHN-22/BHNIUW5B-N3aW U5eUN Xaa5HX5ea
IUW9HpaB U22 ae-25aI HBBaIUBa35aI 5HH5eaB-Ba-W HNW8B35UHN
U22N-H5BaW a N522.5eaIUW9HpaB e-WaaNIH3 aN5aI -
-2DXaI -B3e-aH2H/UW9HB1-2aHN5H2H/UW9-NI U5WIH5aN5U-2
WUNUX3-N3aap-2-5aI 3HNWW8aN5 U5e S , RaWIB3aW
3HNWUaBaI WUNUX3-N5 U22 a-pHUUaI BHa35BaIaWUN TX
-pHU-N3aUWN-H5Xa-WU2a 5eaBaWIB3a U22 aW a355H-I-5-
Ba3HpaB U5U-5UHN1BH/B -W-11BHIB4-5a TXe -NBa -UNW-Ba
IUW9HpaBaI 5ea4-N aBN-BIUNH H N5 3HBBNaB U22 a3HN5-35aI
-NI -221B-3aI BaWBa UBaI -2DXHBNU a-25e-NI 4-Xa5 HIa
S , UIa2DNaW a -NI 213RaWIB3aW
HIa U22 aXH2H aI

I MDNIUN/W 4U5aBa3HB3W-NI 25aB-5Ba-55ea4-N aBN-BIUNH
,B3eaH2H/U3-2TNXHB -5UHN aN5aB-55ea4-N aBN-BIUNH H N5
Wa aBaWa-B3eaI 5HUUaN5UX -22Ba3HB3aI 3 25 B-2BaWIB3aW
-NI 1BapUH WUNpaW8U-5UHNWUN5ea Ba2ap-N53HNW8B35UHN-Ba-W T5UW
eU/e2 N2Ua2 5e-5-N N-N53U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2
BaWIB3a - aaN3H N5aBaI I BDV 3HNW8B35UHN H apaB 1HN
W3eIUW9HpaB 5eaU12a aN5-5UHNHX R BaI 3aW5ea
U1-355H-2apa2HX2aWW5e-NWUNUX3-N5 , N Ba -UNUN/U1-35W
U22 a2aWW5e-NWUNUX3-N5

a HN32WUHN ea1H5aN5U-2U1-35HX5ea BHa35 N-N53U-5aI
3 25 B-2HB1-2aHN5H2H/U3-2BaWIB3aWUW2aWW5e-NWUNUX3-N5

R HNW8B35UHNHX5ea 2N/a HH2 UIa2DNa H 213- Wa-W W8-N5U-2
-IpaBaW3e-N/aUNWUNUX3-N3aHX5ea HB5eMHB -N-2-1H5aN5U-22
WUNUX3-N5eU9HHB3-2BaWIB3a

- H5aN5U-2T1-35 ea BHa353H 21BaW25UN-N-IpaBaW3e-N/aUN
WUNUX3-N3aHX5ea HB5eMHB -N-2-1H5aN5U-22 WUNUX3-N5
eU9HHB3-2BaWIB3a ea1H5aN5U-2U1-35WHX5ea BHa35HN5ea
HB5eMHB -N-2-BaIUW9 WaIUN5ea B-X5STR-51-/aW
-NI

T1-35 BHHB3H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB35a U5U-5UHN
a-WBa R UN4a35UHN HX5ea B-X5STR eU3e
U22aNWBa5e-51BHHB3H3HNW8B35UHN-35pU5aW-2HN/5eaWa/aN5
HX5ea 2N/a HH2 UIa2DNa e-WaT-2UNaI NHB5eHX BaaNWH5
RH-I5ea2H3-5UHNHX5ea HB5eMHB -N-2 U22 a1Ba3UW2

MDNIUN/WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

-11aI HNaN/UNaaBUN/ IaWUN12-NWSHUIaN5UX eaBa5ea 3-N-2
X-22W U5eUN5ea 3HNWSB35UHN3HBBUHB a 1HB-B XaN3UN/ U22 a
12-3aI Xaa5WH5e HX5ea 3-N-2-2HN/ 5ea 1HB5UHNHX5ea 3-N-25e-5
X-22W U5eUN5ea 3HNWSB35UHN3HBBUHB5H1BHpUIa-W-22 XXaB-Ba-
-NI ea-p 3HNWSB35UHNa UI aN5HBpaeU32aW U22NH5 a-22H aI
NHB5e HX5ea XaN3UN/

I MUNIUN/W, H5 Xaa5HX5ea HB5e MHB -N-2 H21 X-22
U5eUN5ea 3HNWSB35UHN3HBBUHBHX5ea 2N/a HH2 UIa2UNa e-Wa
T eaN5ea 1BH1HWaI 1UIa2UNa a 5aNIW5eBH/e 5ea HB-N/a/BHpaW
NHB5e HX BaaNWH5RH-I eUW3-N-2Wa/ aN5 eU3e H21 a
2HB-5aI -55ea NHB5eaBNaI/a HX5ea XXaB HNa HX5ea 3HNWSB35UHN
3HBBUHB 3HNWW5WHX-NaN32HWaI 3-N-2Na-B5ea/BH NI WBX-3a
ea 3-N-2 H21 NH5 a IUBa352 U1-35aI 5BaN3eUN/-35pU5UaW
5ea-p a UI aN53H21 a IBpaNHpaB5ea 3-N-2 eU3e 3H21
3- Wa WH a HX5ea 3-N-2 WW5a 5H3H22-1Wa NIaB5ea aUe5
a 1HB-B XaN3UN/ NIaB R -BH NI 5ea-Ba- eaBa5ea
3-N-2X-22W U5eUN5ea 3HNWSB35UHN3HBBUHB U221BapaN5ea-p
3HNWSB35UHNa UI aN5HBpaeU32aWXBH 3- WUN/ 5ea 3-N-2WW5a
5H3H22-1Wa, N Ba -UNUN/ U1-35 U22 a 2aWW5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U1-35HX5ea BHa35HN5ea HB5e MHB
-N-2-Ba 2aWW5e-NWUNUX3-N5

R HNWSB35UHNHX5ea 2N/a HH2 UIa2UNa e-Wa TT H21 3- Wa
2aWW5e-NWUNUX3-N5-IpaBWa3e-N/a UN5ea WUNUX3-N3a HX5ea BHpa
H Wa/g a22W5a

- H5aN5U-2T1-35 ea BHa353H21 BaW25UN-N-IpaBWa3e-N/a UN
WUNUX3-N3a HX5ea BHpa H Wa/g a22W5a ea 1H5aN5U-2U1-35W
HX5ea BHa35HN5ea BHpa H Wa/g a22W5a -BaIUW WaI UN5ea
B-XSSTR-51-/a

T1-35 BHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U1-35 a3- Wa U1-35WSHeUWHB3 BaWI B-aW-WW3U-5aI U5e 5eUW
W5a H21 a 2aWW5e-NWUNUX3-N5

I MUNIUN/W ea e-Wa TT3HNWSB35UHNHX5ea 2N/a HH2 UIa2UNa
H21 3- Wa-2aWW5e-NWUNUX3-N5-IpaBWa3e-N/a UN5ea
WUNUX3-N3a HX BHpa H Wa/g a22W5a ea BHpa H Wa/g a22
W5a UW2HB-5aI -11BH U-5a2 Xaa5WH5e HX5ea 1BH1HWaI
1UIa2UNa-2UN aN5-NI U5eUN5ea XXaB HNa HX5ea 1BH1HWaI
3HNWSB35UHN3HBBUHB T5UWIHWU2a5e-5WI a HX5ea eUWSHB3
Xa-5 BaWHN5ea NHB5eaBN1HB5UHNHX5ea W5a W3e-W5ea N HB5-BaI
3H 2a H21aB1-IW - aU1-35aI I BUN/3HNWSB35UHN

MUNIUN/WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

H apaB 5ea BHpa H Wg a22W5a -WIa5aB UNaI 5H a N-5
WUNUX3-N5-NI UNa2UU2a XHB2UW5UN HN5ea -5UHN-2Ra/UW5aB ea
45-5a UW5HB3 BaWBp-5UHN XX3aB 4 3HN3 BBaI U5e 5eUW
Ia5aB UN-5UHN eaBaXHBa U 1-35W5HeUW5HB3 BaWI B3aW-WWB3U-5aI
U5e 5eUWW5a H 2I a 2aWW5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea
WUNUX3-N3a HX5ea BHpa H Wg a22W5a UW2aWW5e-NWUNUX3-N5

R HNW5B35UHNHX5ea 2 N/a HH2 Ua2UNa e-WaTTT H 2I 3- Wa-
2aWW5e-NWUNUX3-N5-IpaBWa3e-N/a UN5ea eUW5HB3-2UN5a/B5 HX5ea HB5e
MHB -N-2 - 1H5aN5U-22 WUNUX3-N5eUW5HB3-2BaWI B3a-WIaXUNaI UN
4a35UHN HX S ,

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN-N-IpaBWa3e-N/a UN
5ea eUW5HB3 UN5a/B5 HX5ea HB5e MHB -N-2 ea 1H5aN5U-2
U 1-35WHX5ea BHa35HN5ea eUW5HB3 UN5a/B5 HX5ea HB5e MHB
-N-2-BaIUW WWaI UN5ea B-XSSTR-51-/aW -NI

T 1-35 BHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa e-WaTTT3HNW5B35UHNHX5ea 2 N/a HH2 Ua2UNa
H 2I e-pa- UNU-2U 1-35HN5ea eUW5HB3 UN5a/B5 HX5ea HB5e
MHB -N-2

I MUNIUNW ea e-WaTTT3HNW5B35UHNHX5ea 2 N/a HH2 Ua2UNa
H 2I 3- Wa-N-IpaBWa3e-N/a UN5ea eUW5HB3 UN5a/B5 HX5ea
HB5e MHB -N-2 - 1H5aN5U-22 WUNUX3-N5eUW5HB3-2BaWI B3a-W
IaXUNaI UN S , 4a35UHN TX1BH1HWaI 3HNW5B35UHN
-IpaBWa2 U 1-35W5ea 1e W3-2Xa-5 BaW5e-53HNpa 5ea 3-N-2W
eUW5HB3 WUNUX3-N3a U5 H 2I a-WUNUX3-N5U 1-35 ea
1BH1HWaI 1Ua2UNa H 2I 3BHWIUBa352 NIaB5ea RUpaB BHWUN
Ua2UNa HNa Wa35UHN-WWB3U-5aI U5e 5ea HB5e MHB -N-2-
BUpa5aI a5-21Ua 5e-5IUpaB5W-5aBXBH 5ea-XSaB- HX5ea 4, R
1H aBeH Wa ea 1BH1HWaI 2 N/a HH2 Ua2UNa H 2I 3BHWW
NIaB5ea a UW5UN a5-21Ua BBH UN/5eBH/e 5ea Ba3aN5XQ2
-5aBU2 eUW3HNW5B35UHN a5eHI H 2I e-pa NHU 1-35HN5ea
eUW5HB3 UN5a/B5 HX5ea HB5e MHB -N-2 TX5eUW3HNW5B35UHN
a5eHI UWNH51HWWU2a U5 - a Na3aWWB 5HBa Hpa 1-B5HX5ea
a UW5UN a5-21Ua I BUN UNW5-22-5UHNHX5ea Na 1Ua2UNa ,
Wa35UHNHX5ea a5-21Ua H 2I a Ba HpaI 5a 1HB-B2-NI
Ba12-3aI UN UNI-XSaBUNW5-22-5UHNHX5ea Na 1Ua2UNa eUW
3HNW5B35UHN a5eHI H 2I -2WIe-pa- UNU-2U 1-35HN5ea
eUW5HB3 UN5a/B5 HX5ea HB5e MHB -N-2-NI H 2I BaW25UN-2aWW
5e-NWUNUX3-N5U 1-35HN3 25 B-2BaWI B3aW

MUNIUNW ESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea eUWHB3-2 UN5a/B5 HX5ea HB5e MHB -N-2UW2aWW5e-NWUNUX3-N5

R HNWSB35UHNHX5ea HB5HN -N HN HNNa35HBTT Ua2UNa H 2I 3- Wa - 2aWW5e-NWUNUX3-N5-IpaBWa3e-N/a UN5ea eUWHB3 UN5a/B5 HX5ea RaI2-NIW -N-2 - 1H5aN5U-22 WUNUX3-N5eUWHB3-2BaWH B3a -WIaXUNaI UN Wa35UHN HX S ,

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN-N-IpaBWa3e-N/a UN 5ea eUWHB3 UN5a/B5 HX5ea RaI2-NIW -N-2 ea 1H5aN5U-2U 1-35W HX5ea BHa35HN5ea eUWHB3 UN5a/B5 HX5ea RaI2-NIW -N-2-Ba IUW WaI UN5ea B-XSSTR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- Wa5ea 3HNWSB35UHNHX5ea HB5HN -N HN HNNa35HBTT Ua2UNa H 2I e-pa - UNU -2U 1-35HN5ea eUWHB3 UN5a/B5 HX5ea RaI2-NIW -N-2-NI H 2I BaW25UN- 2aWW5e-NWUNUX3-N5 U 1-35HN3 25 B-2BaWH B3aW

I MUNIUNW ea 3HNWSB35UHNHX5ea HB5HN -N HN HNNa35HBTT Ua2UNa H 2I 3- Wa - 2aWW5e-NWUNUX3-N5-IpaBWa3e-N/a UN5ea eUWHB3 UN5a/B5 HX5ea RaI2-NIW -N-2 - 1H5aN5U-22 WUNUX3-N5 BaWH B3a -WIaXUNaI UN S , 4a35UHN TX1BHIHWaI 3HNWSB35UHN-IpaBWa2 U 1-35W5ea 1e W3-2Xa-5 BaW5e-53HNpa 5ea 3-N-2WeUWHB3 WUNUX3-N3a U5 H 2I a - WUNUX3-N5U 1-35 ea 1BHIHWaI 1Ua2UNa-2UN aN5 H 2I B N1-B-22a25H5ea RaI2-NIW -N-2XHB HW5HXU5WBH 5a -NI H 2I 3BHWW NIaB5ea 3-N-2UNHNa 12-3a ea Na 1Ua2UNa H 2I 3BHWW5ea 3-N-2Na-B 5ea ea-I HX HB5HN -N HN eaBa 5ea 3-N-2UW3H 1HWaI HX-3HN3Ba5a 1Ua ea 3HN3Ba5a 1Ua H 2I a W11H5aI UN12-3a -NI a15UNWaBpU3a I BUW 3HNWSB35UHN eUW3HNWSB35UHN a5eHI H 2I e-pa - UNU -2U 1-35HN5ea eUWHB3 UN5a/B5 HX5ea RaI2-NIW -N-2-NI H 2I BaW25UN- 2aWW5e-NWUNUX3-N5U 1-35 HN3 25 B-2BaWH B3aW

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea eUWHB3-2 UN5a/B5 HX5ea RaI2-NIW -N-2UW2aWW5e-NWUNUX3-N5

R HNWSB35UHNHX5ea HB5HN -N HN HNNa35HBTT Ua2UNa H 2I 3- Wa - W W5-N5U-2-IpaBWa3e-N/a UN5ea WUNUX3-N3a HX5ea BaaNWH5 BU/a - WUNUX3-N5eUWHB3-2BaWH B3a UX5ea 1Ua2UNa UWUNW5-22aI 5eBH/e 5ea H2a UN5ea g -22 -5 BaaNWH5 BU/a

- H5aN5U-2T 1-35 ea BHa353H 2I 3- Wa -N-IpaBWa3e-N/a UN5ea WUNUX3-N3a HX5ea BaaNWH5 BU/a - WUNUX3-N5eUWHB3-2

BaWH B3a ea 1H5aN5U-2U 1-35WHX5ea BHa35HN BaaNWH5
BIJ/a -Ba IUW WaI UN5ea B-X5STR -51-/aW -NI

T 1-35 BIJHB3SH U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB-5a U5U-5UHN
a-WBa R UN4a35UHN HX5ea B-X5STR eU3e
U22aNWBa 5e-51BIJHB3SH3HNWSB35UHN - -2UXaI -B3eU5a35 B-2
eUWSHBUN U22BapUa 5ea XUN-23HNWSB35UHNIaWUNWHX5ea HBSHN
-NHN HNNa35HBTT Ua2UNa 5HpaBUX -pHUU-N3a HXWUNUX3-N5
U 1-35W5H BaaNWH5 BIJ/a Xa-5 BaW TXU5UWNa3aWWB 5HUNW5-22
5ea HBSHN -NHN HNNa35HBTT Ua2UNa 5eBH/e 5ea H2a UN5ea
g -22 U5eUN BaaNWH5 BIJ/a WBa5-UNUN -22 3HNWSB35UHN
-35pU5UaW U22 a 3HNXUNaI 5H1BapUH W2 IUW5 B aI Wa35UHNW-NI 5ea
-22 U22 a BaW5HBaI 5H1Ba BHa353HNIU5UHNW

I MUNIUN W BaaNWH5 BIJ/a UW- WUNUX3-N5eUWSHB3-2BaWH B3a -W
IaXUNaI UN S , Wa35UHN HNWSB35UHNHX5ea HBSHN
-NHN HNNa35HBTT Ua2UNa H2I 3- Wa -N-IpaBWa3e-N/a UXU5
UWUNW5-22aI 5eBH/e 5ea H2a UN5ea g -22 -5 BaaNWH5 BIJ/a
H5ea a 5aN5U5UWHWWU2a 5ea HBSHN -NHN HNNa35HBTT
1Ua2UNa H2I a UNW5-22aI NIaB5ea 1W5Ba- Wa35UHNHX5ea
Ba5-UNUN -22HX5ea BaaNWH5 BIJ/a 2a-pUN 5ea -22UN5-35 -NI
H2I -pHUU WUN 5ea H2a UN5ea g -22 TXU5UWNa3aWWB 5H
UNW5-225ea HBSHN -NHN HNNa35HBTT Ua2UNa 5eBH/e 5ea H2a
UN5ea g -22 3HNXUNUN -35pU5UaW5H1BapUH W2 IUW5 B aI Wa35UHNW
-NI BaW5HBUN 5ea -225H1Ba BHa353HNIU5UHNW NIaB R
BaI 3aW5ea 2apa2HXU 1-35 a2H 5ea 5eBaWeH2I HXWUNUX3-N3a
, N Ba -UNUN U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN BaaNWH5
BIJ/a UW2aWW5e-NWUNUX3-N5

3 apU2 -NHN HNWSB35UHN, Ba-

R aW5B35UHNHX-N N-N53UI-5aI 3 25 B-2HB1-2aHN5HZHYU3-2
BaWH B3a a3- WaHX3HNWSB35UHN-35pU5UaW H2I 3- Wa- W W5-N5U-2
-IpaBWa3e-N/a UN5ea WUNUX3-N3a HX5ea BaWH B3a 1 BW-N55H4a35UHN
HX S ,

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UN5ea IaWSB35UHNHX-N
N-N53UI-5aI 3 25 B-2HB1-2aHN5HZHYU3-2BaWH B3a -NI -N-IpaBWa
3e-N/a UN5ea WUNUX3-N3a HX5ea BaWH B3a ea 1H5aN5U-2U 1-35W
HX5ea BHa35HN N-N53UI-5aI 3 25 B-2HB1-2aHN5HZHYU3-2
BaWH B3aW-BaIUW WaI UN5ea B-X5STR -51-/aW -NI

T 1-35 BHBSH U5U-5UHN H5aN5U22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHBHB5a U5U-5UHN a-WBaW R UN4a35UHN HX5ea B-X5STR eU3e U22aNWBa5e-5 1HN5ea IUW9HpaB HX-N N-N5U3U-5aI -B3e-aH2H/U3-2HB1-2aHN5H2H/U3-2BaWHBBa IUW9HpaB I BDV 3HNW8B35UHN-22/BH NI IUW9B-N3aW U5eUN Xaa5HX5ea IUW9HpaB U22 ae-25aI HBBaIUBa35aI 5H-H5eaB-Ba-W HNW8B35UHN U22NH5BaW a N5U25ea IUW9HpaBe-W aaNIH3 aN5aI -2UXaI -B3e-aH2H/UW9HB1-2aHN5H2H/UW9-NI U5WIH5aN5U-2 WUNUX3-N3a ap-2-5aI 3HNWUW8aN5 U5e S , RaWHBBaW 3HNWUaBaI WUNUX3-N5 U22 a-pHUUaI BHa35BaIaWUN TX -pHUU-N3a UWNH5Xa-WU2a5ea BaWHBBa U22 aW a355H-I-5-Ba3HpaB U5U-5UHN1BH/B -W-11BH1B4-5a TXe -NBa -UNW-Ba IUW9HpaBaI 5ea4-N aBN-BUNH H N5 3HBBHNaB U22 a3HN5-35aI -NI -2210B-BaI BaWBa UBaI -2UXHBNU-a-25e-NI 4-Xa5 HIa S , UIa2UNaW a -NI 213 RaWHBBaW HIa U22 aXH2H aI

I MUNIUN/W Ha UW8UN/ 3 25 B-2BaWHBBaW-Ba 2HB-5aI U5eUN5ea 3HNW8B35UHN3HBBUHBHX5ea 1BH1H-WaI apU2 -N HN -WW UIa2UNa a5H1BapUH W BH NI IUW9B-N3a-55eUW2HB-5UHN-NI 5ea - WaN3a HXBa3HBBaI 3 25 B-2BaWHBBaWNHIUBa35U 1-35WHN 3 25 B-2BaWHBBaW H 21 HB3 BXBH 3HNW8B35UHNHX5ea 1UIa2UNa ea 3HNW8B35UHNW8-/UN/ -Ba- XHB5ea apU2 -N HN -WW UIa2UNa H 21 a2HB-5aI HN- -3Ba1-B3a2 U5eUN5ea IUW9B-N3a 3HBBUHBHX5ea a UW8UN/ TN2-NI MaaIaB UIa2UNa a5H1BapUH W /BH NI IUW9B-N3a-55eUW2HB-5UHN-NI 5ea - WaN3a HXBa3HBBaI 3 25 B-2BaWHBBaWNHIUBa35U 1-35WHN 3 25 B-2BaWHBBaW H 21 HB3 BXBH 3HNW8B35UHNHX5ea 1UIa2UNa Ua UWaI a5H a5aNWBa/BH NI IUW9B-N3a XBH 5ea TN2-NI MaaIaB UIa2UNa 5eaBa UW2552a1H5aN5U2XHB1-2aHN5H2H/U3-2BaWHBBaWUN5ea apU2 -N HN HNW8B35UHN, Ba- paB-22 U5UWeU/e2 N2Ua2 5e-5-N N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2BaWHBBa - a aN3H N5aBaI I BDV 3HNW8B35UHN H apaB 1HNW3e IUW9HpaB 5ea U12a aN5-5UHNHX R BaI 3a5ea U1-355H-2apa2HX 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea1H5aN5U-2U1-35HX5ea BHa35 N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2BaWHBBaWUW2aWW5e-NWUNUX3-N5

I 52a Baa HNW8B35UHN, Ba-

R aW8B35UHNHX-N N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2 BaWHBBa a3- WaHX3HNW8B35UHN-35pU5UaW H 21 3- Wa- W W8-N5U-2 -IpaBaW3e-N/a UN5ea WUNUX3-N3a HX5ea BaWHBBa1 BW-N55H4a35UHN HX S ,

MUNIUN/WE STR XHB4-N5-, N-RUpaBg-5aBRU/e5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

- H5aN5U2T 1-35 ea B-Ha353H 2I BaW25UN5ea IaWSB35UHNHX-N
N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2BaWH B3a -NI -N-IpaBWa
3e-N/a UN5ea WUNUX3-N3a HX5ea BaWH B3a ea 1H5aN5U2U 1-35W
HX5ea B-Ha35HN N-N5U3U-5aI 3 25 B-2HB1-2aHN5H2H/U3-2
BaWH B3aW-Ba IUW WaI UN5ea B-X5STR-51-/aW -NI

T 1-35 BUHB5H U5U-5UHN H5aN5U22 WUNUX3-N5

3 U5U-5UHN a-WBa ea B-Ha35 U22UN3HBIHB5a U5U-5UHN
a-WBaW R UN4a35UHN HX5ea B-X5STR eU3e
U22aNWBa5e-5 1HN5ea IUW9HpaB HX-N N-N5U3U-5aI
-B3e-aH2H/U3-2HB1-2aHN5H2H/U3-2BaWH B3a IUW9HpaB I BUN/
3HNWSB35UHN-22/BH NI IUW9B-N3aW U5eUN Xaa5HX5ea
IUW9HpaB U22 a e-25aI HBBaIUBa35aI 5HH5eaB-Ba-W HNWSB35UHN
U22NH5BaW a N5U25ea IUW9HpaBe-W aaNIH3 aN5aI -
-2UXaI -B3e-aH2H/UW9HB1-2aHN5H2H/UW9-NI U5WIH5aN5U2
WUNUX3-N3a ap-2-5aI 3HNWUW9aN5 U5e S , RaWH B3aW
3HNWUaBaI WUNUX3-N5 U22 a-pHUUaI BHa35BaIaWUN TX
-pHU-N3a UWNH5Xa-WU2a 5ea BaWH B3a U22 a W a355HI-5-
Ba3HpaB U5U-5UHN1BH/B -W-11BH1B-U5a TXe -NBa -UNW-Ba
IUW9HpaBaI 5ea 4-N aBN-B UNH H N5 3HBHNaB U22 a 3HN5-35aI
-NI -221B-BaI BaWBa UBaI 5ea -2UXHBNU a-25e-NI 4-Xa5
HIa S , UIa2UNaW a -NI 213
RaWH B3aW HIa U22 a XH2H aI

I MUNIUN/W Na 3 25 B-2BaWH B3a 5ea MHN5-N- H aBeH Wa UW
2HB-5aI -I-3aN55H5ea 3HNWSB35UHN3HBBUHBHX5ea H aB 52a
Baa UIa2UNa T 1-35 R -IIBaWaWU 1-35W5H5eUWBaWH B3a
HH5eaBBa3HBaI 3 25 B-2BaWH B3aW-Ba 2HB-5aI U5eUN5ea
3HNWSB35UHN3HBBUHBHB5ea 1BH1H-WaI 3HNWSB35UHNW9-/UN -Ba- XHB
5ea -35 W -WUN UIa2UNa a 5H1BapUH W BH NI IUW9B-N3a
-NI 5ea - WaN3a HXBa3HBaI 3 25 B-2BaWH B3aWNHIUBa35U 1-35W
HN3 25 B-2BaWH B3aW H 2I HB3 BUN5eaWa-Ba-W a 5H1-W9
/BH NI IUW9B-N3a -NI 2H 1-2aHN5H2H/U3-2WaNW5pU5 5eaBa UW
2552a 1H5aN5U2XHB1-2aHN5H2H/U3-2BaWH B3aWUN5ea 52a Baa
HNWSB35UHN, Ba- HIUBa35U 1-35WHN1-2aHN5H2H/U3-2BaWH B3aW
H 2I HB3 B T5UWeUe2 N2Ua2 5e-5-N N-N5U3U-5aI 3 25 B-2HB
1-2aHN5H2H/U3-2BaWH B3a - a aN3H N5aBaI I BUN/ 3HNWSB35UHN
H apaB 1HNW3e IUW9HpaB 5ea U 12a aN5-5UHNHX R
BaI 3a 5ea U 1-355H- 2apa2HX2aWW5e-NWUNUX3-N5 , N
Ba -UNUN/U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U2U 1-35HX5ea B-Ha35 N-N5U3U-5aI
3 25 B-2HB1-2aHN5H2H/U3-2BaWH B3aWUW2aWW5e-NWUNUX3-N5

R HNWSB35UHNHX5ea H aB 52a Baa UIa2UNa H 2I 3- Wa-2aWW

MUNIUN/WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

5e-NWUNUX3-N5-IpaBWa 3e-N/a UN5ea eUWSHB3 UN5a/B5 HX5ea MHN5-N-
H aReH Wa 3H 12a -1H5aN5U-22 WUNUX3-N5eUWSHB3-2BaWI B3a-W
IaXUNaI UN4a35UHN HX S ,

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN-N-IpaBWa 3e-N/a UN
5ea eUWSHB3 UN5a/B5 HX5ea MHN5-N- H aReH Wa 3H 12a ea
1H5aN5U-2U 1-35WHX5ea BHa35HN5ea MHN5-N- H aReH Wa-Ba
IUW WaI UN5ea B-X5STR-51-/aW -NI

T 1-35 BUHB3H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa5ea 3HNWSB35UHN a5eHI HX5ea H aB 52a Baa
Ua2UNa H 2I e-pa UNU-2U 1-35HN5ea eUWSHB3 UN5a/B5 HX5ea
MHN5-N- H aReH Wa HBU5W-WWB3U-5aI Xa-5 BaW-NI H 2I BaW25UN
-2aWW5e-NWUNUX3-N5U 1-35HN3 25 B-2BaWI B3aW

I MUNIUN W ea 3HNWSB35UHN HX5ea H aB 52a Baa Ua2UNa
H 2I 3- Wa-2aWW5e-NWUNUX3-N5-IpaBWa 3e-N/a UN5ea eUWSHB3
UN5a/B5 HX5ea MHN5-N- H aReH Wa 3H 12a -1H5aN5U-22
WUNUX3-N5eUWSHB3-2BaWI B3a-WIaXUNaI UN S , 4a35UHN
TX1BHIHWaI 3HNWSB35UHN-35pU5IaW-IpaBWa2 U 1-355ea
1e W3-2Xa-5 BaW5e-53HNpa 5ea eUWSHB3 WUNUX3-N3a HX5ea
1H aReH Wa 3H 12a U5 H 2I a-WUNUX3-N5U 1-35 TNW5-22-5UHN
HX5ea 1Ua2UNa H 2I N-5IUBa352 U 1-35-N Xa-5 BaW-WWB3U-5aI
U5e 5ea 1H aReH Wa ea H aB 52a Baa Ua2UNa H 2I a
UNW5-22aI -I -3aN55H5ea 1H aReH Wa -NI 5ea 1Ua2UNa H 2I
Ia2UpaB -5aB5H-NHIaNIU3e 5e-53 BaaN52 Ba3aUpaW -5aBXBH
5ea MHN5-N- H aReH Wa , Na 3HN3Ba5a H H 2I a
3HNWSB35aI -55ea aNI HX5ea 1Ua2UNa eU3e H 2I 2a -5aB
UN5H5ea HIaNIU3e aeUNI 5ea 1H aReH Wa , X5aB3HNWSB35UHNUW
3H 12a5a 5ea HN2 pUWU2a 1HB5UHNHX5ea 1Ua2UNa H 2I a 5ea
3HN3Ba5a H eU3e H 2I 2Id 2apa2 U5e 5ea a UW5UN/IU3e ea
1Ua2UNa H 2I N-5 a pUWU2a XBH 5ea 1H aReH Wa WUN3a U5 H 2I
a UNW5-22aI NIaB/BH NI eUW3HNWSB35UHN a5eHI H 2I e-pa
UNU-2U 1-35HN5ea eUWSHB3 UN5a/B5 HX5ea MHN5-N-
H aReH Wa-NI U5W-WWB3U-5aI Xa-5 BaW-NI H 2I BaW25UN-2aWW
5e-NWUNUX3-N5U 1-35HN3 25 B-2BaWI B3aW

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea eUWSHB3
UN5a/B5 HX5ea MHN5-N- H aReH Wa 3H 12a UW2aWW5e-N
WUNUX3-N5

I. Noise

BHa35 HNWSB35UHN

- 4apaN - W - RaWaBpHUB HNWSB35UHN, Ba-

T HNWSB35UHNHX5ea4apaN - W - H 21 / aNaB-5a I-
NJe5NHUWa IN 2apa2WHX2aWW5e-N , aJe5aI Ia3Ua2WI , -55ea
Na-BaW5NHUWa WaNW5Upa Ba3a15HBW

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UNUX3Ba-WaI NHUWa
2apa2W ea 1H5aN5U-2U 1-35WHX5ea BHa35HNNHUWa 2apa2W-55ea
4apaN - W - -NI RaWaBpHUB HNWSB35UHN, Ba- -BaIUW WaI UN
5ea B-X5STR-51-/aW -NI

T 1-35 BHBH5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa5ea4-N aBN-BIUNH HN5 HUWaS2a aN5NHUWa
W5-NI-BIW H 21 NH5 a a 3aaIaI -NI BaWUaN5W H 21 NH5
H5eaB UWa a a 1HWaI 5HW W5-N5U-2UX3Ba-WaWUN- UaN5NHUWa
2apa2W

I MUNIUNW HNWSB35UHN-55ea4apaN - W - -NI RaWaBpHUB
HNWSB35UHN, Ba- H 21 / aNaB-5a INHX2aWW5e-N I , -55ea
Na-BaW5NHUWa WaNW5Upa Ba3a15HBW -WaI HN5ea a UI aN55e-5
H 21 a WaI -55ea W5a aW5U-5aI NHUWa 2apa2WXBH 3HNWSB35UHN
-WW a- eH B HBI- -NI UX32 Ia aW5U-5aWHXa UI aN5
W/a UNeH BWIaBI- -NI 5ea 1aB3aN5-/a HX5U a5ea a UI aN5
H 21 H1aB-5a-51a- 1H aB TN3-23 2-5UNV U 1-35WNH
-I W5 aN5W aBa -Ia XHBNHUWa 2apa2BaI 35UHNWI a5H
5H1H/B-1eU3 Xa-5 BaWWI NI -BBaBWHBW5-5a HX5ea-B5NHUWa
BaI 35UHNa UI aN5 HUWaXBH 21B-2UaI WI B3aWW3e-W
3HNWSB35UHN-35pU5UaW5 1U3-22 X22WHXX - H5 I , U5e a-3e
IH 2UV HXIUW5-N3a XBH WI B3a5HBa3a15HBW g eaNNHUWaHN5ea
3HNWSB35UHNW5a UW I H 5IHHBBa3a15HBW-5- IUW5-N3a HX
Xaa5XBH 5ea 3HNWSB35UHNW5a 5e-5e-pa-N NUN5aBB15aI pUa HX
5ea 3HNWSB35UHNW5a H 21 a 1aBaN3a NHUWaNH/Ba-5aB5e-N
I , eU3e UW5ea BaWUaN5U-2W5-NI-BI XHB5ea HN5 HX4-N
aBN-BIUNH eaBa-BaNHBa3a15HBW-I-3aN55H1HBUN5ea pU3UNV5 HX
5ea W5a , 22a UW5UV BaWUaN3aW-Ba2HB-5aI HBa5e-N Xaa
XBH 5ea BHa353HNWSB35UHN-Ba- -NI H 21 5eaBaXHBa a
a 1HWaI 5H3HNWSB35UHNNHUWa 2apa2W2H aB5e-N I , T5UWNH5
a 1a35aI 5e-5 WaBW-HX5ea 4 MHBaW54aBpU3a4-N5-, N- UpUUa
B-U2 H 21 a WUNUX3-N52 -XXa35aI 5ea BHa35 a3- Wa HX5ea
U2a IUW5-N3a Wa1-B-5UV U5XBH 5ea 3HNWSB35UHNW5a -5B-2
-NI -N -Ia W5B35 BaW H 21 1BHpUUa-I IU5UHN-2WUa21UV XBH
5ea 3HNWSB35UHNNHUW-55ea W5a ea-35-2NHUWa U 1-35
aNpa2HIa H 21 5e W a W-22aB5e-N Xaa5UN -N -Ba-W

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN- UaN5NHUWa

2apa2WUW2aWW5e-NWUNUX3-N5

4-N5-, N-RUpaB HNWSB35UHN, Ba-

T HNWSB35UHNHX5ea 2N/a HH2 Ua2UNa3H21a1HWa WaBWHX5ea 4-N5-, N- UpUUa B-U25HUX3Ba-WaI - UaN5NHUWa 2apa2W

- H5aN5U-2T 1-35 ea BHa353H21BaW25UNUX3Ba-WaI NHUWa 2apa2W XHB WaBWHX5ea 4-N5-, N- UpUUa B-U2 ea 1H5aN5U-2U 1-35WHX 5ea BHa35HN- UaN5NHUWa 2apa2W-BaIUW WaI UN5ea B-X5STR -51-/a

T 1-35 BHHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U1-35a3- WaNHUWa U1-35W H21a2aWW5e-NWUNUX3-N5

I MUNIUNW HNWSB35UHNHX5ea 2N/a HH2 Ua2UNa3H21a1HWa WaBWHX5ea 4-N5-, N- UpUUa B-U25HUX3Ba-WaI - UaN5NHUWa 2apa2W UpaN5ea U2aIUW5-N3aXBH 5ea 4 MHBaW54aBpU3a 4-N5-, N- UpUUa B-U25H5ea 3HNWSB35UHN-Ba- U5UWIHWU2a5e-5 5B-U2 WaBW - 1aB3aUpaNHUWaXBH 3HNWSB35UHNHX5ea 2N/a HH2 Ua2UNa H apaB5ea HpaB-22WINI2apa2 H21a2aWW5e-N I , , IIU5UHN-2BaI35UHNW - HB3 BI a5H5H1H/B-1eU3-2 Xa-5BaW-NI NHUWa - WBB5UHN pa/a5-5UHN eaBaXBa5ea 3HNWSB35UHNNHUWaU1-355H5B-U2 WaBW H21a2aWW5e-N WUNUX3-N5

a HN32WBHN ea1H5aN5U-2U1-35HX5ea BHa35HN- UaN5NHUWa 2apa2WUW2aWW5e-NWUNUX3-N5

T HNWSB35UHN-55ea HB5HN -NHN HNNa35HBTT Ua2UNa H21 3Ba-5a IN2apa2WHX2aWW5e-N I , -55ea Na-BaW5NHUWa WaNW5Upa Ba3a15HBW

- H5aN5U-2T 1-35 ea BHa353H21BaW25UNUX3Ba-WaI NHUWa 2apa2W ea1H5aN5U-2U1-35WHX5ea BHa35HN INapa2W-5NHUWa WaNW5Upa Ba3a15HBW-BaIUW WaI UN5ea B-X5STR -51-/a

T 1-35 BHHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U1-35a3- WaNHUWa U1-35W H21a2aWW5e-NWUNUX3-N5

I MUNIUNW HNWSB35UHN-55ea HB5HN -NHN HNNa35HBTT Ua2UNa H21 3Ba-5a IN2apa2WHX2aWW5e-N I , -55ea Na-BaW5 NHUWa WaNW5Upa Ba3a15HBW ea 3HNWSB35UHNBa2-5aI NHUWa U1-35W H21 a2aWW5e-NWUNUX3-N5 ea 3HNWSB35UHN-Ba- HX5ea

MUNIUNW ESTR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW -Be

Tg S4 SR S T T -/a

1BHIHWaI HBSHN -N HN HNNa35HBTT UIa2DNa UWBa H5a XBH
1aB -NaN5NHUWa WaNW5Upa Ba3a15HBWW3e -WeH aW WaBWHX5ea
HBSHN -N HNRUU/a UpUIa B-U2 H 21 a-XXa35aI Na-B5ea
5B-U2ea-I UX3HNWSB35UHN-35pU5UaW-Ba HB3 BBDN HUWa 2apa2W-5
Xaa5 H 21 a- H 5 I ea NHUWa 2apa2W H 21 IU UNUWe
-WSB-U2 WaBWSB-paBWa 5ea 5B-U2-NI /-UNIUW-N3a XBH 5ea
3HNWSB35UHN-Ba- HUWa H 21 HN2 -XXa35- W -221HBSUHNHX5ea
5B-U2Na-BaW5ea 3HNWSB35UHNW5a -NI H 21 U 1-351aBWNW eH
-Ba H U2a -NI NH51aBWNWBaWUUW UN1aB -NaN5WSB35 BaW eUW
U 1-35UW5eaBaXHBa 3HNWUaBaI 2aWW5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN- UaN5NHUWa
2apa2WUW2aWW5e-NWUNUX3-N5

BHa35 1aB-5UHN-NI -UN5aN-N3a

- 4apaN - W - -NI RaWaBpHUB4-N5-, N-RUpaB apU2 -NHN-NI 52a
Baa HNWSB35UHN, Ba-W

T -UN5aN-N3a-35pU5UaWXHB5ea 1BHIHWaI 1UIa2DNaW-NI
X-3U25UaW H 21 NH51BHI 3a- NH53a- 2a NHUWa UN3Ba-WaXHBBaWUaN3aWUN
5ea/aNaB-2-Ba-

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UNUN3Ba-WaI NHUWa 2apa2W
XHBBaWUaN3aW ea 1H5aN5U-2U 1-35WHX5ea BHa35HNNHUWa
UN3Ba-WaWXHBBaWUaN3aWUN5ea/aNaB-2-Ba- -Ba IUW WaI UN5ea
B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- WaU 1-35W H 21 a 2aWW5e-NWUNUX3-N5

I MDNIUNW W -UN5aN-N3a-35pU5UaWXHB5ea 1BHIHWaI 1UIa2DNaW-NI
X-3U25UaW H 21 NH51BHI 3a- NH53a- 2a NHUWa UN3Ba-WaXHB
BaWUaN3aWUN5ea/aNaB-2-Ba- -UN5aN-N3a 5B3 W - -II
WUUe52 5H5ea NHUWaNpUBHN aN5 55ea-II U5UHN-2NHUWa H 21 a
U5eUN5ea NHB-25B-XX3p-B-U U25 BDN a aB-aN3 Ba1-UBW
NHUWa 2apa2W - aeUeaBUX3HNWSB35UHNa UI aN5UWBa UBaI
XHB-Na 5aNIaI 1aBUHI H apaBa aB-aN3 W5-5UHNWHN-
1UIa2DNa H 21 a UNXBa aN5 T 1-35W H 21 a 2aWW5e-N
WUNUX3-N5-NI NH U5U-5UHNUWBa UBaI

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNNHUWa 2apa2WXHB
BaWUaN3aWUW2aWW5e-NWUNUX3-N5

J. Aesthetics

MDNIUNW WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

BHa35 HNWSB35UHN

- 4apaN - W - -NI RaWdpHUB HNWSB35UHN, Ba-

, S4 BHa353HNWSB35UHN H2I BaW25UN-2aWW5e-NWUNUX3-N5
U1-355H-aWSea5U3W

- H5aN5U-2T 1-35 ea BHa353H2I e-pa-Na/-5Upa U1-35HN
-aWSea5U3W ea 1H5aN5U-2U1-35WHX5ea BHa35HN-aWSea5U3W-Ba
IUW WWaI UN5ea B-X5STR-51-/aW -NI

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U1-35 a3-Wa5ea U1-35W H2I a2aWW5e-NWUNUX3-N5

I MDNIUNW ea BHa35 H2I BaW25UNNa 3HNWSB35UHNHN5ea Ba-B
HX5ea I- -NI Ba2HB-5UHNHXBH-IW2HB-5aI U5eUN5ea BaWdpHUB-Ba-
5e-5 H2I e-pa5a 1HB-B pUW-2U1-35W HNWSB35UHNU1-35W
H2I a WeHB5aB -NI 5ea BaW25UNW WSB35 BaW H2I a
3HNWWSaN5 U5e 5ea a UWSUNW 3e-B-35aBHX5ea -Ba- TN5eUW
3HNWSB35UHN-Ba- BHa35Ba2-5aI 3HNWSB35UHN-35Up5UaW H2I
3Ba-5a2aWW5e-NWUNUX3-N5pUW-2U1-35W T5 H2I NH5e-pa-
W WS-N5U-2-IpaBWa aXXa35HN-WSaNU3pUWS-W WS-N5U-22 I- -/a
WSaNU3BaWIB3aWHBW WS-N5U-22 Ia/B-Ia5ea a UWSUNW pUW-2
3e-B-35aBHB -215 HX5ea WSa-NI U5WWBBH NIUNW

a HN32 WUHN ea 1H5aN5U-2U1-35HX5ea BHa35HN-aWSea5U3WUW
2aWW5e-NWUNUX3-N5

4-N5-, N-RUpaB HNWSB35UHN, Ba-

, S4 BHa353HNWSB35UHN H2I BaW25UN-2aWW5e-NWUNUX3-N5
U1-355H-aWSea5U3W

- H5aN5U-2T 1-35 ea BHa353H2I e-pa-Na/-5Upa U1-35HN
-aWSea5U3W ea 1H5aN5U-2U1-35WHX5ea BHa35HN-aWSea5U3W-Ba
IUW WWaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U1-35 a3-Wa5ea U1-35W H2I a2aWW5e-NWUNUX3-N5

I MDNIUNW ea Na 1UIa2DNaW5H a2HB-5aI UN5ea 4, R
HNWSB35UHN, Ba- H2I a UNWS-22aI NIaB'BH NI -NI 1Ba
a UWSUNW WBX3a 3HNIU5UHNW H2I a BaWSHBaI 5H5ea - U
a 5aN51HWWU2a -XaB3HNWSB35UHN-35Up5UaW-Ba 3H 12a5a

MDNIUNW ESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

Na-B5eaI B-B W 1 5H Xaa5UNIU- a5aB H 21 a 12-3aI UN
32 W8aBW-I -3aN55H-5ea 1Ua2UNa B-H 5aW a UNXB-W8B 35 Ba -NI
3HNW8B 35UHN XHB5ea B-Ha35 H 21 H-33 BUN-N-Ba- -2Ba-I 2-B/a2
IUW B aI -35pU5daWW3e -WI- 3HNW8B 35UHN B-H-I U21 UN/
/B-pa2 UNUN/ -NI HBBH 1U5a 3-p-5UHN BUN/ 3HNW8B 35UHN
ea-p a UI aN5-NI -35pU5daW H 21 a pUWU2a XBH BaaNWH5
RH-I 55eUWU 1-35 H 21 a 5a 1HB-B -NI WeHB5 5aB , 55ea
12 N/a 1HH2 W8I H NW8Ba- HX4apaN - W - 5ea UN5- a
W8B 35 Ba -NI 5B-WeB-3 HX5ea 2 N/a HH2 Ua2UNa H 21 a
pUWU2a H apaB 5eUW-Ba- UWNH5pUWU2a XBH -Ba-W-33aWWU2a 5H
5ea 1 213 -NI UW3H 1-5U2a U5e H5eaB -5aBBa2-5aI IUpaBWHN-NI
3HNpa -N3a W8B 35 BaWUN5ea pU3UN5 eaBaXHBa WeHB5 5aB
U 1-35WI BUN/ 3HNW8B 35UHN H 21 3HN8BU 5a 5HHN2 UNHB
3e-N/aWUN5ea pUWU2a 1e W3-2aNpUBHN aN5-NI W3e 3e-N/aW-Ba
UN3e-B-35aB U5e 5ea 4, R g -We -Ba- TN5ea 4, R HNW8B 35UHN
, Ba- 5ea B-Ha35 H 21 NH5e-pa -N-IpaBWaXXa35HN- W8aN3
pUW8- W W8-N5U-22 I- -/a W8aN3 BaWI B-BaWHBW W8-N5U-22
Ia/B-Ia 5ea a UW8UN/ pUW-23e-B-35aBHB -215 HX5ea Wda -NI U5W
WBBH NI UN/ W ea B-Ha35 H 21 e-pa - 2aWW5e-NWUNUX3-N5
U 1-35HN-aW8ea5U3WUN5eUW-Ba-

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea B-Ha35HN-aW8ea5U3WUW
2aWW5e-NWUNUX3-N5

3 apU2 -N HN HNW8B 35UHN, Ba-

, S4 B-Ha353HNW8B 35UHN H 21 BaW25UN- 2aWW5e-NWUNUX3-N5
U 1-355H-aW8ea5U3W

- H5aN5U-2T 1-35 ea B-Ha353H 21 e-pa - Na/-5pa U 1-35HN
-aW8ea5U3W ea 1H5aN5U-2U 1-35WHX5ea B-Ha35HN-aW8ea5U3W-Ba
IUW WaI UN5ea B-X8STR-51-/a

T 1-35 BHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWI H5aN5U-2
U 1-35 a3- Wa 5ea U 1-35W H 21 a 2aWW5e-NWUNUX3-N5

I MUNIUN/W ea apU2 -N HN-Ba- e-W aaNW a35aI 5H
IUW B-N3a I BUN/ 3HNW8B 35UHN HW8Ba3aN52 HX5ea TN2-NI
MaaIaB Ua2UNa BUN/ B-Ha35 Ba2-5aI 3HNW8B 35UHN ea-p
a UI aN5-NI -35pU5daW H 21 a pUWU2a XBH eH aWW5 -5aI -
WeHB5IUW8-N3a 5H5ea WI 5e aW8HX5ea 3HNW8B 35UHN-Ba- H apaB
5eUWU 1-35 H 21 a 5a 1HB-B -NI H 21 NH5BaW25UNWUNUX3-N5
2HN/ 5aB 3e-N/aW ea -II U5UHNHX- Na NIaB/B-H NI 1Ua2UNa
H 21 NH5e-pa - WUNUX3-N5-IpaBWaXXa35HN- W8aN3 pUW8-
W W8-N5U-22 I- -/a W8aN3 BaWI B-BaWHBW W8-N5U-22 Ia/B-Ia 5ea

a UWSUNV pUW-23e-B35aBHB -215 HX5ea W5a-NI U5WWBBH NIUNV W

a HN32 WBHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW 2aWW5e-NWUNUX3-N5

I 52a Baa HNWSB35UHN, Ba-

, S4 BHa353HNWSB35UHN H 21 BaW25UN-2aWW5e-NWUNUX3-N5 U 1-355H-aW5ea53W

- H5aN5U-2T 1-35 ea BHa353H 21 e-pa-Na/-5upa U 1-35HN -aW5ea53W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-aW5ea53W-Ba IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- Wa5ea U 1-35W H 21 a2aWW5e-NWUNUX3-N5

I MUNIUNV W ea H aB 52a Baa -NI -35 W -WUNWIUa2UNaW H 21 a3HNWSB35aI-I-3aN55H-N-Ba-5e-53HN5-UNWp-BUH W UNI WSBU-2X-3U25laWUN-IIU5UHN5HBaWUaN5U-2IapaZHI aN5 BUNV 3HNWSB35UHN ea-p a UI aN5-NI-35pU5UaW H 21 a pUWU2a XBH eH aW-NI BH-I - W-I-3aN55H5ea 3HNWSB35UHN-Ba- 55eUW U 1-35 H 21 a 5a 1HBB-NI H 21 NH5BaW25UNWUNUX3-N5 2HNV 5aB 3e-NVaW ea -35 W -WUNW Ua2UNa H 21 NH5-Xa35 -aW5ea53 BaWI BBaWWUN3a U5 H 21 a 12-3aI aN5UBa2 U5eUNa UWSUNV BH-I - W eU3e H 21 a BaWSHBaI 5H1Ba 3HNWSB35UHN3HNIU5UHN XH2H UNV U5WUNWS-22-5UHN, 11BHU-5a2 Xaa5HX5ea H aB 52a Baa Ua2UNa H 21 -2WI a12-3aI U5eUNa UWSUNV WBaa5W -NI WI H 21 NH5U 1-35-aW5ea53 BaWI BBaW ea Ba -UNUNV Xaa5HX5ea H aB 52a Baa Ua2UNa H 21 a12-3aI NIaBBH NI-I-3aN55HRUpaBWUa, paN a-NI 5ea MHN5-N- H aB 2-N5 WSWI 5e HX-2-B a-//Ba/-5a -5aBU-2 UNUNV -Ba-, 3HN3Ba5a H H 21 a 3HNWWSaN5 U5e H5eaBUNI WSBU-2X-3U25laW -NI -5aB H 21 NH5e-pa-W WS-N5U-2-IpaBWaXa35HN-WSaN3 pUWS- W WS-N5U-22 I- -/a WSaN3 BaWI BBaWHBW WS-N5U-22 Ia/BIa5ea a UWSUNV pUW-23e-B35aBHB -215 HX5ea W5a-NI U5W WBBH NIUNV W T 12a aN5-5UHNHX5ea BHa35 H 21 NH5e-pa-WUNUX3-N5-IpaBWaU 1-35HN-aW5ea53W

a HN32 WBHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW 2aWW5e-NWUNUX3-N5

BHa35 1aB-5UHN-NI -UN5aN-N3a

- 4-N5-, N- RUpaB4a/ aN5,

MUNIUNV WE STR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

, S4 BHa35HlaB-5UHNW H 2l BaW25UN- 2aWW5e-NWUNUX3-N5
U 1-355H-aW5ea53W

- H5aN5U-2T 1-35 ea BHa353H 2l e-pa - Na/-5upa U 1-35HN
-aW5ea53W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-aW5ea53W-Ba
IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWlH5aN5U-2
U 1-35 a3- Wa 5ea U 1-35W H 2l a 2aWW5e-NWUNUX3-N5

I MDNlUN W BHa35HlaB-5UHNW3H 2l BaW25UN- eU eaBBaWBpHUB
a2ap-5UHNI BUN 5ea HN5eWHX -B e 5eBH/e 4a15a aB5e-N
H 2l HB3 B NlaB H BHa353HNlU5UHNW4apaN - W - -W
IaWUNaI 5H3HN5-UNB NHXX-WWBU-5aI U5e - a-BX2HHI apaN5
-Nl 5ea WU22 - W-NlW-5-Na2ap-5UHNHX Xaa5- Hpa a-N
Wa- 2apa2 W2 , W- 3HNlU5UHNHX5ea 3HNWBB35UHNHX5ea X-3U25
5ea 4, S U5U-5aI -IpaBWU 1-35W5He- U5-5-Nl -WWBU-5aI
12-N5-Nl -NU-2Wa3laW U5eUN5ea -Ba- 1WBa- HX5ea I- 5e-5
UW a2H Xaa5- Hpa W2 5ea WBX-3a a2ap-5UHNHX5ea
BaWBpHUB NlaB a-BX2HHI 3HNlU5UHNW NlaB5ea BHa35-Nl
Ia1aNlUN HNB-UNX-22-Nl H5eaB3HNlU5UHNW5ea BaWBpHUB3H 2l
5a 1HB-B2 Ia5-UN -5aB 1 5H-Na2ap-5UHN Xaa5- Hpa W2
I BUN 5ea HN5eWHX -B e 5eBH/e 4a15a aB, 2eH/e 5ea
BHa353H 2l BaW25UN-/Ba-5aBpH2 a HX -5aB aUN Ba5-UNaI UN
5ea BaWBpHUB5e-N NlaB H BHa353HNlU5UHNW5ea 1BaWN3a HX
-5aBUW3HNWW5aN5 U5e a UW5UN HlaB-5UHNW-Nl 3HNWW5aN5 U5e 5ea
pUW-23HN5a 5HX-BaWBpHUB WaI XHBX2HHI 3HN5B-21 BHWaW eUW
aXXa35UW3HNWW5aN5 U5e 5ea pUW-2W55UN NlaBa UW5UN HlaB-5UHNW
-Nl 5ea BaWBpHUBUWNH5UN-N-Ba- HlaN5H5ea 1 23 eaBaXHBa
U 1-35W5H-aW5ea53WXBH BHa35HlaB-5UHNW 1WBa- HX4apaN
- W - -Nl RaWBpHUB-Ba 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW
2aWW5e-NWUNUX3-N5

4-N5-, N-RUpaB4a/ aN5

, S4 BHa35HlaB-5UHNW H 2l BaW25UN- 2aWW5e-NWUNUX3-N5
U 1-355H-aW5ea53W

- H5aN5U-2T 1-35 ea BHa353H 2l e-pa - Na/-5upa U 1-35HN
-aW5ea53W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-aW5ea53W-Ba
IUW WaI UN5ea B-X5STR-51-/aW -Nl

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

MDNlUN WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B e

Tg S4 SR S T T -/a

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa5ea U 1-35W H 21 a 2aWW5e-NWUNUX3-N5

I MDNIUNVW RUpaB4a/ aN5 UWNH5UN-N-Ba- pUWU2a 5H5ea / aNaB-2
1 213 T 12a aN5-5UHNHX5ea BHa35 H 21 BaW25UN5ea IUpaBWUHN
HX -5aBWBa2a-WaI XBH 5ea I- H apaB5eaWaIUpaBWUHNW H 21
NH5UN32 Ia5ea Ba UBaI 3XWBa2a-WaI XBH 5ea I- XHB4aNUHB
g -5aBRUe5W 2-U -N5W T5UW5eUW 3XWBa2a-WaXBH 5ea I- 5H5ea
2 N/a HH2HB 2 N/a HH2 -WW Ua2UNa5e-5 XHB 3eHX5ea
a-B 3H 1BWaW5ea a UW5UNV XBH UN5ea BUpaB a5 aaN5ea 4apaN
- W - -NI 552a g aUB4UN3a BHa35H1aB-5UHNW H 21 NH5
-XXa355eUWXBH NH3e-N/aW5H5ea BUpaB-NI U5W-WW3U-5aI BJ1-B-N
pa/a5-5UHN H 21 HB3 B -NI U 1-35W5H-aW5ea53W H 21 a 2aWW
5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW
2aWW5e-NWUNUX3-N5

3 4-N5- , N- RUpaB4a/ aN5

, S4 BHa35H1aB-5UHNW H 21 BaW25UN- 2aWW5e-NWUNUX3-N5
U 1-355H-aW5ea53W

- H5aN5U-2T 1-35 ea BHa353H 21 e-pa - Na/-5Upa U 1-35HN
-aW5ea53W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-aW5ea53W-Ba
IUW WaI UN5ea B-X5STR -51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa5ea U 1-35W H 21 a 2aWW5e-NWUNUX3-N5

I MDNIUNVW T 12a aN5-5UHNHX5ea BHa35 H 21 BaW25UN- / Ba-5aB
N aBHXI- W5eBH / eH 55ea a-B eaNNHXBH a UW5WUN5ea
4, R 3e-NNa2 aBHXBH I- W-NI 2H aBXBH pH2 aWUN5ea
3e-NNa2HNI- W eaNXBH WH33 B BBaN52 5eUWBUpaBWa/ aN5UW
IB HpaB 1aB3aN5HX5ea I- WUN-N-paB-/a a-B-NI HN HW5
H5eaBI- Wa eU5W UNU-2XBH W ea BHa35 H 21 UN3Ba-Wa5ea
N aBHX aBHXBH I- W - H5 1aB3aN5 eUWN3Ba-WaUN5ea
N aBHX aBHXBH I- W-WW3U-5aI U5e U 12a aN5-5UHNHX5ea
BHa35 H 21 NH5NH53a- 2 3e-N/a5ea a UW5UN pUW-23e-B-35aB
HB -215 HX5eUWWa/ aN5HX5ea BUpaB T 1-35W5H-aW5ea53W H 21
a 2aWW5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW
2aWW5e-NWUNUX3-N5

Tg S4 SR S T T -/a

I 4-N5- , N- RUpaB4a/ aN5

, S4 BHa35HIaB-5UHNW H 2I BaW25UN- 2aWW5e-NWUNUX3-N5
U 1-355H-aW5ea53W

- H5aN5U-2T 1-35 ea BHa353H 2I e-pa - Na/ -5Upa U 1-35HN
-aW5ea53W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-aW5ea53W-Ba
IUW WaI UN5ea B-X5STR -51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa5ea U 1-35W H 2I a 2aWW5e-NWUNUX3-N5

I MUNIUNVWT 12a aN5-5UHNHX5ea BHa35 H 2I BaW25UN2H aB
XH WUN5eUWWa/ aN5HX5ea BUpaB BBaN52 5eUWBUpaBWa/ aN5
a 1aBaN3aI aBHXH HN- H 5 1aB3aN5HXI - W-NI HN5ea
Ba -UNUNV I- W5eaBa UW UNU -2XH UN5ea BUpaB ea BHa35
H 2I UN3Ba-Wa5ea N aBHX aBHXH I- W 1aB3aN5 eUW
UN3Ba-Wa UN5ea N aBHX aBHXH I- W H 2I N-H5N-H53a- 2
3e-NVa 5ea a UW5UNV pUW-23e-B-35aBHB -215 HX5eUWWa/ aN5HX
5ea BUpaB -NI U 1-35W5H-aW5ea53W H 2I a 2aWW5e-NWUNUX3-N5

a HN32 WBHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW
2aWW5e-NWUNUX3-N5

a 4-N5- , N- RUpaB4a/ aN5S

, S4 BHa35HIaB-5UHNW H 2I BaW25UN- 2aWW5e-NWUNUX3-N5
U 1-355H-aW5ea53W

- H5aN5U-2T 1-35 ea BHa353H 2I e-pa - Na/ -5Upa U 1-35HN
-aW5ea53W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-aW5ea53W-Ba
IUW WaI UN5ea B-X5STR -51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa5ea U 1-35W H 2I a 2aWW5e-NWUNUX3-N5

I MUNIUNVW MBH S 45Baa55HRT RU-25H5ea BUpaB5B-paBWaW-
eU/e2 B-NUaI Wa35UHNHXRUpaBWUa H N5 -NI UW3e-NNa2UaI
-NI 3HNXUNaI a5 aaN2apaaW ea a55aI -Ba- HX5eUWBUpaB
Wa/ aN5UW aNaB-22 3HN5-UNaI UN- B-UaI 3e-NNa2 U5e 5ea
WBBH NIUNV BUpaB aI -NI -N WI B BBaN52 5eUWBUpaBWa/ aN5
a 1aBaN3aW aBHXH HN- H 5 1aB3aN5HXI - W ea BHa35
H 2I UN3Ba-Wa5ea N aBHX aBHXH I- W - H 5 1aB3aN5
4 3e - BaI 35UHN H 2I N-H5UNI 3a N-H53a- 2a 3e-NVaWUN5ea pUW-2

Tg S4 SR S T T -/a

3e-B35aBW3WHX5ea BpaB-Ba- -NI U 1-35W5H-aW5ea53W H 21 a
2aWW5e-NWUNUX3-N5

a HN32 WfIN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW
2aWW5e-NWUNUX3-N5

X 4-N5- , N- RUpaB4a/ aN5M

, S4 BHa35HIaB-5UHNW H 21 BaW25UN- 2aWW5e-NWUNUX3-N5
U 1-355H-aW5ea53W

- H5aN5U-2T 1-35 ea BHa353H 21 e-pa- Na/-5Upa U 1-35HN
-aW5ea53W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-aW5ea53W-Ba
IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa 5ea U 1-35W H 21 a 2aWW5e-NWUNUX3-N5

I MDNIUNW aZH 5ea RT RU-25Hg g H 5X225H5ea 4, R XZH
UWIaBaNNU-2-NI U 12a aN5-5UHNHX5ea BHa35 H 21 e-pa- -Ba2
1aB3a15U2a aXXa35HNW5Ba- XZH I BDN 1aBUHIWHX2H XZH -NI
NH1aB3a15U2a aXXa35I BDN 1aBUHIWHXeUe XZH ea pUW-2
3e-B35aBW3WHX5ea -Ba- -2HN 5eUWBpaBWa/ aN5 H 21 Ba -UN
N3e-N/aI U5e U 12a aN5-5UHNHX5ea BHa35-NI U 1-35W5H
-aW5ea53W H 21 a 2aWW5e-NWUNUX3-N5

a HN32 WfIN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW
2aWW5e-NWUNUX3-N5

/ 4-N5- , N- RUpaB4a/ aN5

, S4 BHa35HIaB-5UHNW H 21 BaW25UN- 2aWW5e-NWUNUX3-N5
U 1-355H-aW5ea53W

- H5aN5U-2T 1-35 ea BHa353H 21 e-pa- Na/-5Upa U 1-35HN
-aW5ea53W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-aW5ea53W-Ba
IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa 5ea U 1-35W H 21 a 2aWW5e-NWUNUX3-N5

I MDNIUNW ea T 1-35, XaB5ea BHa35HNXZH UN5eUWWa/ aN5HX
5ea 4, R a3H aWUN3Ba-WDN2 -55aN-5aI 3H 1-BaI 5H5ea
U aIU-5a2 1W5Ba- Wa/ aN5-NI UWNH5 a-WB- 2a TN5ea

MDNIUNWE STR XHB4-N5- , N- RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

- WaN3a HX3e-N/aW5H5ea pUW-23e-B35aBHX5ea BpaB-NI WBBH NIUN/ -Ba-WU 1-35W5H-aW5ea53W H 21 a 2aWW5e-N WUNUX3-N5

a HN32 WBHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW 2aWW5e-NWUNUX3-N5

e BHNI -5aBRa3e-B a M-3U25laW

, S4 BHa35HlaB-5UHNW H 21 BaW25UN- 2aWW5e-NWUNUX3-N5 U 1-355H-aW5ea53W-5-NI UN5ea pU3UN5 HX/BHNI -5aBWBa-IUN/BHNIW

- H5aN5U-2T 1-35 ea BHa353H 21 e-pa - Na/-5pa U 1-35HN -aW5ea53W-BHNI/BHNI -5aBWBa-IUN/BHNIW ea 1H5aN5U-2 U 1-35WHX5ea BHa35HN-aW5ea53W-5-NI UN5ea pU3UN5 HX BHNI -5aB41Ba-IUN/BHNIW-BaIUW WaI UN5ea B-X5STR-5 1-/a

T 1-35 BHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHN a-WBaUWBa UBaI XHB5eUW 1H5aN5U-2U 1-35 a3- Wa5ea U 1-35W H 21 a 2aWW5e-N WUNUX3-N5

I MDNIUN/W, N aBHX/BHNI -5aBBa3e-B a X-3U25laWWBa-IUN/ -WUNW H 21 a 5U2UaI U5e U 12a aN5-5UHNHX5ea BHa35 H apaB-WIaW5BUaI UNWa35UHN 5eaWa X-3U25laW H 21 a HlaB-5aI U5eUNeUW5HB3 Wa 1-B a5aBW-NI 5ea pUW-23e-B35aBHX 5ea -WUNW H 21 NH53e-N/a eaBaXHBa U 1-35W5H-aW5ea53WUN 5eaWa-Ba-W H 21 a 2aWW5e-NWUNUX3-N5

a HN32 WBHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-aW5ea53WUW 2aWW5e-NWUNUX3-N5

K. Hazardous Materials and Groundwater Contamination

BHa35 HNWSB35UHN

- 4apaN - W - -NI RaWBpHUB HNWSB35UHN, Ba-

, BHa353H2I3Ba-5a-WUNUX3-N5e- -BI5HaNpUBHN aN5 5eBH/eBH5UNa5B3NWHB5 Wa -NI IUWHW2HXe- -BIH W -5aBU2W-NI -W5a WaI I BUN/B3IUN -NI 3HNWSB35UHN 4 3e e- -BIW3H2I HB3 B 5eBH/e 1Wa5-NI -33UIaN53HNIU5UHNWUNpH2pUN 5ea Ba2a-Wa HX 3HNWSB35UHNa UI aN5Ba2-5aI e- -BIH W -5aBU2WUN5H5ea aNpUBHN aN5

- H5aN5U2T 1-35 ea BHa353H2I3Ba-5a-e- -BI5H5ea aNpUBHN aN55eBH/e5ea5B3NWHB5 Wa-NI IUWHW2HXe- -BIH W -5aBU2W-NI -W5a WaI I BUN/B3IUN -NI 3HNWSB35UHN ea 1H5aN5U2U 1-35WHX5ea BHa35Ba2-5aI 5He- -BIH W -5aBU2WUN 5ea 4apaN - W - -NI RaWBpHUB HNWSB35UHN, Ba- -Ba IUW WaI UN5ea B3X5STR-51-/aW -NI

T 1-35 BUHB5H U5U-5UHN H5aN5U22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN a-WBaW , , -NI , UN4a35UHN HX5ea B3X5STR eU3e U22aNWBa5e-5 NUg aW5aBN U22IUBa355ea3HNSB35HB5H -WH53HN3Ba5a5B3 WUN-IaWUN-5aI -Ba- eaBa5ea -5aBU23-NNH5BNHXXUN5H-W5Ba- HB 1aB3H2-5aUN5H5ea/BHNI -5aB eUW-Ba- U22 aWa3UXdI HN-22 -1123- 2a 3HNWSB35UHN12-NW-NI a UN12-3a aXHBa-N 3HN3Ba5aUW 1H BaI NUg aW5aBN U22IUBa355ea3HNSB35HB5HWBpU3a 3HNWSB35UHNpaeU32aWUN- -NNaB5e-53HN5-UNWX2 UWW3e-W 2 B3-N5W U5eUN-NU 1aBpUH W-Ba-5H-pHU WU22Ba2-5aI -5aB -215 U 1-35W NUg aW5aBN U22IUBa355ea3HNSB35HB5HUNWa35 -NI -WNa3aWWB WBpU3a-22a UI aN5 aXHBa U5aN5aBW5ea 3HNWSB35UHN W5a NUg aW5aBN U22-2WIUBa355ea3HNSB35HB5H UNWa35-NI WBpU3a-22a UI aN5Ba/2-B2 5eaBa-X5aB-NI aXHBa HB UN U aIU-5a2 -I -3aN55H5ea4, RHB-N H5eaBIB-UN-/aHB 3Baa 5H-pHU a UI aN52a-Ba2-5aI -5aB -215 U 1-35W NUg aW5aBN U22IUBa355ea3HNSB35HB5HBa1-UB-N 2a- W-NI Ba1-UB-N eHWW-NI X55UNW5e-5-Ba UN1HHB3HNIU5UHN aXHBa a/UNNUN HB 5eaB a-WBaW U22aNWBa5e-5 NUg aW5aBN U22IUBa355ea3HNSB35HB5H1Ba1-Ba-WU221BapaN5UHN-NI 3HN5-UN aN512-N1BUHB5Ha UI aN5 WaHN5ea W5a NUg aW5aBN U22IUBa355ea3HNSB35HB5HXH2H 5eUW2-NI BUN BHa353HNWSB35UHN5H1BapaN5WU22Ba2-5aI -5aB -215 U 1-35W ea 12-N U22UN32Ia 5N5a2U U5aI 5H -Wa3UX3 aB aI a UI aN5 -UN5aN-N3a-NI BaXa2UN-Ba-W aB aI -NI 2UNaI e- -BIH W -5aBU2WSHB/a-Ba-WHNW5a5e-5-Ba3HpaBaI I BUN 5ea

MUNI UN WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

B-UN Wa-WHN 3 e- -B-H W -5aB-J2WU2232a-N 1a UI aN5HN
W5a W3e -W- WHB aN51-IWWeHpa2W-NI -/W5H3HN5-UN
3HN5- UN-5aI WHU2 -NI I HB aBW5B-UNaI UN5ea 2HB-5UHN-NI Wa
HX32a-N 1a UI aN5

I MUNIUNW T 12a aN5-5UHNHX , , -NI
, H 2I BaI 3a 5ea -2Ba-I 2H 1H5aN5U-2XHB-33UaN5-2WU22W
HB2a- WHX1H22 5-N5WW3e -WXa2W2 B3-N5W-NI e IB- 213 X2 UI
I BUN a UI aN5HIaB-5UHN BaXa2UN HB -UN5aN-N3a RaI 3UN
5ea 1H5aN5U-2XHB -5aB -215 U 1-35WBa2-5aI 5HWU22WHB2a- W
H 2I BaI 3a 5ea 2apa2HX5eUWU 1-35 a2H 5ea WUNUX3-N3a
5eBaWeH2I , N Ba -UNUN U 1-35W U22 a 2aW5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa355Ba2-5aI 5H
e- -B-H W -5aB-J2WUN5ea 4apaN - W - -NI RaWaBpHUB
HNW5B35UHN, Ba- UW2aW5e-NWUNUX3-N5

4-N5-, N-RUpaB HNW5B35UHN, Ba-

, BHa3553H 2I 3Ba-5a - WUNUX3-N5e- -B- 5HaNpUBHN aN5
5eBH/e BH 5UNa 5B-NWHB5 Wa -NI IUWHW2HXe- -B-H W -5aB-J2W-NI
-W5a WaI I BUN /B-IUN -NI 3HNW5B35UHN 4 3e e- -B-W3H 2I HB3 B
5eBH/e 1Wa5-NI -33UaN53HNIU5UHNWUNpH2pUN 5ea Ba2a-Wa HX
3HNW5B35UHNa UI aN5Ba2-5aI e- -B-H W -5aB-J2WUN5H5ea aNpUBHN aN5

- H5aN5U-2T 1-35 ea BHa3553H 2I 3Ba-5a - e- -B- 5H5ea
aNpUBHN aN55eBH/e 5ea 5B-NWHB5 Wa -NI IUWHW2HXe- -B-H W
-5aB-J2W-NI -W5a WaI I BUN /B-IUN -NI 3HNW5B35UHN ea
1H5aN5U-2U 1-35WHX5ea BHa355Ba2-5aI 5He- -B-H W -5aB-J2WUN
5ea 4-N5-, N-RUpaB HNW5B35UHN, Ba- -Ba IUW WaI UN5ea B-X5
STR -51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN
a-WBaW , , -NI , UN4a35UHN
HX5ea B-X5STR eU3e U22aNWBa5e-5 NUg aW5aBN
U22IUBa3555ea 3HN5B-35HB5H -We H 53HN3Ba5a 5B3 WUN-
IaWUN-5aI -Ba- eaBa5ea -5aB-J23-NNH5B NHXXUN5H- W5Ba- HB
1aB3H2-5a UN5H5ea /BH NI -5aB eUW-Ba- U22 aWa3UXdI HN-22
-1123- 2a 3HNW5B35UHN12-NW-NI a UN12-3a aXHBa-N 3HN3Ba5a UW
1H BaI NUg aW5aBN U22IUBa3555ea 3HN5B-35HB5HWBpU3a
3HNW5B35UHNpaeU32aWUN- -NNaB5e-53HN5-UNWX2 UWW3e -W
2 B3-N5W U5eUN-NU 1aBpUH W-Ba- 5H-pHU WU22Ba2-5aI -5aB
-215 U 1-35W NUg aW5aBN U22IUBa3555ea 3HN5B-35HB5HUNWa35
-NI -WNa3aWWB WaBpU3a-22a UI aN5 aXHBa U5aN5aBW5ea
3HNW5B35UHNW5a TNWa35UHN-NI Na3aWWB WaBpU3a U22 a -Ia

MUNIUNW ESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

Ba/ 2-B2 5eaBa-XaB-NI aXHBa HB UN U aIU-5a2 -I -3aN55H
5ea 4, R HB-N H5eaBIB-UN-/a HB3Baa 5H-pHU a UI aN52a-
Ba2-5aI -5aB -205 U 1-35W NUg aW5aBN U22IUBa355ea
3HN5B-35HB5HBa1-UB-N 2a- W-NI Ba1-UB-N eHWaW-NI X55UN W5e-5
-Ba UN1HHB3HNU5UHN aXHBa a/UNNUN HB 5eaB a-WBaW U22
aNWBa5e-5 NUg aW5aBN U22IUBa355ea 3HN5B-35HB5H1Ba1-Ba-
WU221BapaN5UHN-NI 3HN5-UN aN512-N1BUHB5Ha UI aN5 WaHN
5ea W5a NUg aW5aBN U22IUBa355ea 3HN5B-35HB5HXH2H 5eUW
12-NI BUN BHa353HNW5B35UHN5H1BapaN5WU22Ba2-5aI -5aB
-205 U 1-35W ea12-N U22UN32Ia 5NH5 a2U5aI 5H-
Wa3UX3 aB aI a UI aN5 -UN5aN-N3a-NI BaXa2UN-Ba-W
aB aI -NI 2UNaIe- -BHW -5aB-J2W5HB/a-Ba-WHNW5a5e-5-Ba
3HpaBaI I BUN 5ea B-UN Wa-WHN 3 e- -BHW -5aB-J2WU22
32a-N1a UI aN5HNW5a W3e-W- WHBaN51-IWWeHpa2W-NI
-/W5H3HN5-UN3HN5- UN-5aI WH2-NI I HB aBW5B-UNaI UN5ea
2HB-5UHN-NI WaHX32a-N1a UI aN5

I MUNIUN W T 12a aN5-5UHNHX , , -NI
, H 2I BaI 3a5ea-2Ba-I 2H 1H5aN5U-J2XHB-33UIaN5-2WU22W
HB2a- WHX1H22 5-N5WW3e-WXa2W2 B3-N5W-NI e IB-203X2 UI
I BUN a UI aN5H1aB-5UHN BaXa2UN HB -UN5aN-N3a RaI 3UN
5ea1H5aN5U-J2XHBe- -BHW -5aB-J2WWU22Ba2-5aI -NI 2a- Ba2-5aI
-5aB -205 U 1-35W H 2I BaI 3a5ea 2apa2HX5eUWU 1-35 a2H
5ea WUNUX3-N3a 5eBaWeH2I , N Ba -UNUN U 1-35W U22 a 2aWW
5e-NWUNUX3-N5

a HN32 WHN ea1H5aN5U-J2U 1-35HX5ea BHa35HNa UWWHNWUN
5ea 4-N5-, N- RUpaB HNW5B35UHN, Ba- UW2aWW5e-NWUNUX3-N5

3 apU2 -N HN HNW5B35UHN, Ba-

, BHa353H 2I 3Ba-5a - WUNUX3-N5e- -B 5HaNpUBHN aN5
5eBH/e BH 5UNa 5B-NWHB5 Wa -NI IUWHW2HXe- -BHW -5aB-J2W-NI
-W5a WaI I BUN /B-IUN -NI 3HNW5B35UHN 4 3ee- -BW3H 2I HB3 B
5eBH/e 1Wa5-NI -33UIaN53HNU5UHNWUNpH2pUN 5ea Ba2a-WaHX
3HNW5B35UHNa UI aN5Ba2-5aIe- -BHW -5aB-J2WUN5H5eaaNpUBHN aN5

- H5aN5U-J2T 1-35 ea BHa353H 2I 3Ba-5a-e- -B 5H5ea
aNpUBHN aN55eBH/e5ea 5B-NWHB5 Wa-NI IUWHW2HXe- -BHW
-5aB-J2W-NI -W5a WaI I BUN /B-IUN -NI 3HNW5B35UHN ea
1H5aN5U-J2U 1-35WHX5ea BHa35Ba2-5aI 5He- -BHW -5aB-J2WUN
5ea apU2 -N HN HNW5B35UHN, Ba- -BaIUW WaI UN5ea B-X5STR
-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-J22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHB-5a U5U-5UHN

5eBH / e 1Wa5 - N - 33UaN53HN U5UHNWUNpH2pUN 5ea Ba2a- Wa HX
3HNWBB35UHNa U aN5 Ba2-5aI e- - B H W -5aB-J2WUN5H5ea aNpUBHN aN5

- H5aN5U-2T 1-35 ea BHa353H 2I 3Ba-5a - e- - B 5H5ea aNpUBHN aN55eBH / e 5ea 5B NWHB5 Wa - N I UWHW2HXe- - B H W -5aB-J2W-N - W5a WaI I BUN / B-I UN -N 3HNWBB35UHN ea 1H5aN5U-2U 1-35WHX5ea BHa35Ba2-5aI 5He- - B H W -5aB-J2WUN 5ea 52a Baa HNWBB35UHN, Ba- - Ba I UW WaI UN5ea B-X5STR -51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBH HB-5a U5U-5UHN a-WBaW , , -N , UN4a35UHN HX5ea B-X5STR eU3e U22aNWBa 5e-5 NUg aW5aBN U22IUBa355ea 3HN5B-35HB5H -W H 53HN3Ba5a 5B 3 WUN-IaWUN-5aI -Ba- eaBa 5ea -5aBU-23-NN-H5B NHXXUN5H- W5Ba- HB 1aB3H2-5a UN5H5ea / BH N -5aB eUW-Ba- U22 aWa3UXaI HN-22 -1123- 2a 3HNWBB35UHN12-NW-N a UN12-3a aXHBa -N 3HN3Ba5a UW 1H BaI NUg aW5aBN U22IUBa355ea 3HN5B-35HB5H WaBpU3a 3HNWBB35UHNpaeU32aWUN- -NNaB5e-53HN5-UNWX2 UWW3e -W 2 B3-N5W U5eUN-NU 1aBpUH W-Ba- 5H-pHU WU22Ba2-5aI -5aB -215 U 1-35W NUg aW5aBN U22IUBa355ea 3HN5B-35HB5HUNWa35 -N - WNa3aWWB WaBpU3a -22a U aN5 aXHBa U5aN5aBW5ea 3HNWBB35UHNW5a -N Ba/ 2-B2 5eaBa-X5aB -N aXHBa HB UN U aIU-5a2 -I -3aN55H5ea 4, R HB-N H5eaBIB-UN-/a HB3Baa 5H -pHU a U aN52a- Ba2-5aI -5aB -215 U 1-35W NUg aW5aBN U22IUBa355ea 3HN5B-35HB5HBa1-UB-N 2a- W-N Ba1-UB-N eHWW-N XS5UNW5e-5-Ba UN1HHB3HN U5UHN aXHBa a/UNNUN HB 5eaB a-WBaW U22aNWBa5e-5 NUg aW5aBN U22IUBa355ea 3HN5B-35HB5H1Ba1-Ba - WU221BapaN5UHN-N 3HN5-UN aN512-N1BUHB5Ha U aN5 Wa HN5ea W5a NUg aW5aBN U22IUBa355ea 3HN5B-35HB5HXH2H 5eUW2-N I BUN BHa353HNWBB35UHN5H1BapaN5WU22Ba2-5aI -5aB -215 U 1-35W ea 12-N U22UN32Ia 5N-H5 a2U U5aI 5H - Wa3UX3 aB aI a U aN5 -UN5aN-N3a -N BaXa2UN -Ba-W aB aI -N 2UNaI e- - B H W -5aB-J2W5HB/a-Ba-WHNW5a 5e-5-Ba 3HpaBaI I BUN 5ea B-UN Wa-WN 3 e- - B H W -5aB-J2WU2232a-N 1a U aN5HN W5a W3e-W- WHB aN51-IWWeHpa2W-N -/W5H3HN5-UN 3HN5- UN-5aI WU2 -N I HB aBW5B-UNaI UN5ea 2HB-5UHN-N Wa HX32a-N 1a U aN5

I MUNUNW T 12a aN5-5UHNHX , , -N , H 2I BaI 3a 5ea -2Ba-I 2H 1H5aN5U-2XHB-33UaN5-2WU22W HB2a- WHX1H22 5-N5WW3e-WXa2W2 B3-N5W-N e IB 213 X2 U I BUN a U aN5H1aB-5UHN BaXa2UN HB -UN5aN-N3a RaI 3UN 5ea 1H5aN5U-2XHBe- - B H W -5aB-J2WWU22Ba2-5aI -N 2a- Ba2-5aI

MUNUNWE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -Be

Tg S4 SR S T T -/a

-5aB -2l5 U 1-35W H 2l BaI 3a 5ea 2apa2HX5eUWU 1-35 a2H 5ea WUNUX3-N3a 5eBaWeH2l , N Ba -UNUN U 1-35W U22 a 2aWW 5e-NWUNUX3-N5

a HN32 WeHN ea 1H5aN5U-2U 1-35HX5ea BHa35Ba2-5aI 5H e- -BiH W -5aBU2WUN5ea 52a Baa HNWSB35UHN, Ba- UW2aWW 5e-NWUNUX3-N5

L. Public Services, Utilities, and Transportation

BHa35 HNWSB35UHN

- 4apaN - W - -NI RaWaBpHUB HNWSB35UHN, Ba-

4 HNWSB35UHNUN5ea 4apaN - W - -NI RaWaBpHUB, Ba- H 2l BaW25UN- UNHBpH2 a HX3HNWSB35UHNIa BSW

- H5aN5U-2T 1-35 ea BHa353H 2l 1BHI 3a 3HNWSB35UHNIa BSW ea 1H5aN5U-2U 1-35WHX5ea BHa35Ba2-5aI 5HWe2UU -W5a /aNaB-5aI I BUN 3HNWSB35UHN-Ba IUW WaI HN1-/aW -NI HX5ea B-X5STR

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- Wa5ea U 1-35WBa2-5aI 5HWe2UU -W5a H 2l a 2aWW 5e-NWUNUX3-N5

I MUNIUNW eaBa U22 a WH a pH2 a HXWe2UU -W5a W3e-W WeUI1UN 3-B5HNWWeBUN B-1 WaI 5HWa3 Ba3-B5HNW-NI W-22 U5a WW3e-WW5B1W5aa2W5B11Ua W5B12 aB-NI12 HHI 1Ua3H-5UN 5-1a -NI 2N3e 5B-We/aNaB-5aI I BUN 3HNWSB35UHN TN5eUW3HNWSB35UHN-Ba- We2UU -W5a/aNaB-5UHNUWaW5U-5aI 5H a NH HBa5e-N 3 U3 -BiW3 1aB aa HBHNa 3 UN eUW -W5a/aNaB-5UHN H 2l a U5eUN5ea 1aB U55aI 3-1-3U5 HX2HB-2 We2UU -W5a X3U25UaW MHBa - 12a 5ea H25HN -NI X22-2HNa3-N -33a15 1 5H 3 I- HNWSB35UHNHX5ea BHa35 H 2l /aNaB-5aI a BUW2BH Ia H25UHN-NI Ba3HNWSB35UHNHX5ea 5B-We B3 HX5ea UN5- a W5B35Ba 55eUWpH2 a H 2l a UNU-2 geU2a W W5-N5U2- H N5WHXWe2 -5aBU2 H 2l a/aNaB-5aI I BUN Ba-2UN aN5HXg -B 41BUN W -N HNRH-I 5eUWWe2 H 2l a WaI -WX22 eaBa Na3aWWB -NI -N Ba -UNUN We2 H 2l a W5-55aBaI -2HN 5ea BH-I - B-5eaB5e-NIa1HW5aI UN-2-NI X22 eaBaXHBa U 1-35W H 2l a 2aWW5e-NWUNUX3-N5-NI NH U5U-5UHN UWBa UBaI

a HN32 WeHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea pH2 a HX

3HNWSB35UHNIa BWUW2aWW5e-NWUNUX3-N5

4 HNWSB35UHNUN4apaN - W - -NI RaWaBpHUB, Ba- H 2I eUNIaB -33aWWpU- 1WSBa- BH-IW5H4 S 4-N5-, N- RUpaBX-3U25UaW

- H5aN5U-2T 1-35 ea BHa353H 2I eUNIaB-33aWWpU- 1WSBa- BH-IW5H4 S 4-N5-, N- RUpaBX-3U25UaW ea 1H5aN5U-2U 1-35WHX 5ea BHa35HN-33aWWpU-5ea 1WSBa- BH-I 5H4 S 4, R X-3U25UaW -BaIUW WaI HN1-/a HX5ea B-X5STR

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2 U 1-35 a3- Wa 5ea U 1-35WBa2-5aI 5H-33aWW H 2I a 2aWW5e-N WUNUX3-N5

I MUNIUNW HNWSB35UHNUN5ea 4apaN - W - -NI RaWaBpHUB, Ba- H 2I eUNIaB-33aWWpU-5ea 1WSBa- BH-I 5H4 S 4, R X-3U25UaW BaW2SUNW UN-N-IpaBWa 52aWW5e-NWUNUX3-N5U 1-35 Ra-2UNUNW g -B 41BUNW -N HNRH-I 3H 2I 5- a 1 5H HN5eWI BUNW eU3e 5B-pa23H 2I a WSH aI HBapaN1aBUHIU3-22 2I-B aI I a 5H 5ea 1BaWaN3a HX3HNWSB35UHNa UI aN5 4 S WW5a HIaB-5HBW Wa 5eaWaBH-IWHN-I-U2 -WSW H-pHUaN3H N5aBUNW 3HNWSB35UHN paeU32aWU5 - a Na3aWWB XHB4 S HIaB-5HBW5H-11BH-3e 4, R e IBHa2a35B3X-3U25UaWXBH 45-5a Ue - B-5eaB5e-NXBH BaaNWH5RH-I eUW-IIW-11BH U-5a2 U2aW5H5ea IUW-N3a 5e-5 W5 a 5B-pa2aI-NI 1 5H UN 5aW5H-33aWW4, R ea BH-I 1BHpUUNW 1WSBa- -33aWWUWNH5HIaN5H5ea 1 2I3 T5UW -2 HW5a 32 WSpa2 WaI 4 S 1aBWNNa25HBa-3e e IBHIH aB X-3U25UaW 1WSBa- HX4apaN - W - eaBaXHBa eU2a-IpaBWa 5eUWUW-2aWW5e-NWUNUX3-N5U 1-35-NI NH U5U-5UHNUWBa UBaI

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-33aWW5H4 S 4-N5-, N- RUpaBX-3U25UaWUW2aWW5e-NWUNUX3-N5

4 HNWSB35UHNUN4apaN - W - -NI RaWaBpHUB, Ba- 3H 2I 3HN5BU 5a 1 5H I-U2 5BUW-W a-WBaI UN1-WaNVaB3-Ba Up-2aN5W 5H5ea WBBH NIUNW WSBaa5Na5 HB

- H5aN5U-2T 1-35 ea BHa353H 2I 3HN5BU 5a 5HI-U2 paeU32a 5BUW-BH NI 5ea 4apaN - W - -NI RaWaBpHUB, Ba- ea 1H5aN5U-2U 1-35WHX5ea BHa35HN5B-XU3 HN5ea WBBH NIUNW WSBaa5 Na5 HB -BaIUW WaI HN1-/a HX5ea B-X5STR

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2

MUNIUNW WE STR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

U 1-35 a3- Wa 5ea U 1-35WBaa2-5aI 5H-5B-XXG3 H 2I a 2aWW5e-N WUNUXG3-N5

I MUNIUN/W HNWSB 35UHNUN5ea 4apaN - W - -NI RaWaBpHUB, Ba-3H 2I 3HNSBU 5a 1 5H I-U2 5BJW-W a-WBaI UN1-WaN/aB 3-Ba Up-2aN5W5H5ea WBBH NIUN/ WSBaa5Na5 HB BUN/ 3HNWSB 35UHN-35pU5IaWUN5ea 4apaN - W - -NI RaWaBpHUB, Ba-1 5H 3HNWSB 35UHN HB aBW H 2I -BBpa-55ea W5a aXHBa 5ea W5-B5HXa-3e WeUX5 , -NI Ia1-B5-55ea aNI HXa-3e WeUX5 , I I U5UHN-22 1 5H Ia2UpaBaWHX3HNWSB 35UHN -5aB-U2W3H 2I HB3 Ba-3e I- T5UWIHWU2a 5e-53HNWSB 35UHNUN 5ea 4apaN - W - -NI RaWaBpHUB3H 2I HpaB2-1 U5e 3HNWSB 35UHNHX e-WaTHX5ea 2N/a HH2 Ua2UNa TX5eUWHpaB2-1 HB3 BaI 1 5H -I I U5UHN-23HNWSB 35UHN HB aBW H 2I a -BBpUN/ -NI Ia1-B5UN/ XHBa-3e 3HNWSB 35UHN WeUX5 -NI 1 5H 5B 3 5BJW H 2I a NaaIaI 5H Hpa WH2 -5aB-U2UX-B-B WSBaaNaB -WNH5 WaI UN5ea 4, R HNWSB 35UHN, Ba- HN2 XH B5B 3 5BJW 1aBI- H 2I a -N5U3U-5aI UX-B-B WSBaaNaB aBa WaI HNWSB 35UHN5B 3 W H 2I a W5eaI 2aI 5H-pHU 1a- eH BWHX B-I - 5B-XXG3 XBH 5H - -NI XBH 5H 1 , WW UN/ -NapaNIUWSBU 5UHNHX5B 3 W5eB-I/e 5ea Ba -UNUN/ eH BWHX5ea I- 5eaBa H 2I a 1 5HaU/e55B 3 5BJW IaBeH BUX-B-B WSBaaNaBUW WaI -NI 5B 3 5BJW IaBeH B U5eH 5- B-B WSBaaNaB TN-33H N5UN/ XHB5B-XXG3 pH2 a a-3e 5B 3 UW-WW aI 5H a3H 1-B- 2a 5H- H 55 H3-BWWIa-3e 5B 3 5BJ UW3H N5aI -W 5 H1-WaN/aB3-Ba Up-2aN5W B-XXG3 -I I aI 5ea B-Ha35 H 2I a UNHBI BUN/ 5ea 1a- eH BW-NI a22 U5eUN5ea 3-1-3U5 HX5ea B-I - TNW 5ea -I I U5UHNHX B-Ha353HNWSB 35UHN5B-XXG3 H 2I N-H5 a W W5-N5U-23H 1-BaI 5H5ea a UWSUN/ 5B-XXG3 2H-I -NI 3-1-3U5 HX5ea WSBaa5WW5a 5eUW H 2I a - 2aWW5e-NWUNUXG3-N5 U 1-35 -NI NH U5U-5UHNUWBa UBaI

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea B-Ha35HNI-U2 5BJWHN 5ea WBBH NIUN/ WSBaa5Na5 HB UW2aWW5e-NWUNUXG3-N5

4-N5- , N- RUpaB HNWSB 35UHN, Ba-

4 HNWSB 35UHNHX e-WaTITHX5ea 2N/a HH2 Ua2UNa -NI H a MZH HNNa35HB3H 2I BaW25UNIUWB 15UHNHX -5aBW112aWXBH 5ea 2N/a HH2 1-WW

- H5aN5U-2T 1-35 ea B-Ha353H 2I BaW25UNIUWB 15UHNHX -5aB W112aWXBH 5ea 2N/a HH2 -WW ea 1H5aN5U-2U 1-35WHX 5ea B-Ha35HN -5aBW112aWXBH 5ea 2N/a HH2 -WW-Ba IUW WaI UN5ea B-XSSTR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUXG3-N5

MUNIUN/WESTR XHB4-N5- , N- RUpaBg -5aBRU/e5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB35a U5U-5UHN a-WBaW 4 UN4a35UHN HX5ea B3X5STR eU3e U22aNWBa5e-5I BDV 3HNWSB35UHN NUg aW5aBN U22-BB3N/a5H WaX3U25UaWHX5ea4-N5-, N-RUpaB U22 Baa HHIaB35pag-5aB BHa35,/Baa aN55H - aIa2UpaBaWSH2HB-2 WaBW5e-5 H2I H5eaB UWaBa3aUpa -5aBXBH 5ea 2N/a HH2 -WW Ua2DNa TX a3e-N/a3-NNH5Ba12-3aIUWB15aI Ia2UpaB NUg aW5aBN U22 XBNUW4g -5aB-W-Ba12-3a aN5W112

I MDNIUN/W ea U12a aN5-5UHNHX 4 U22aNWBa 3HN5UN-5UHNHX -5aBIa2UpaBaW-NI BaI 3aU1-35W-WWB5aI U5eIUWB15UHNHX5ea 2N/a HH2 -WW Ua2DNaI BDV 3HNWSB35UHNHX e-WaTTTHX5ea 2N/a HH2 Ua2DNa-NI H MH HNNa35HB-NI BaI 3a5eUWU1-355H2aWW5e-NWUNUX3-N5 ,N Ba -UNUN/U1-35W U22 a2aWW5e-NWUNUX3-N5

a HN32WHN ea1H5aN5U-2U1-35HX5ea BHa35HN -5aBW112aW XBH 5ea 2N/a HH2 -WWUW2aWW5e-NWUNUX3-N5

4 HNWSB35UHNHX e-WaTTTHX5ea 2N/a HH2 Ua2DNa3H2I BaW25 UNIUWB15UHNHX -5aBW112aWXBH 5ea4 SRUpaB BHWWN/ 1Ua2DNa HB5e MHB Ua2DNa

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UNIUWB15UHNHX -5aB W112aWXBH 5ea4 SRUpaB BHWWN/1Ua2DNa HB5e MHB Ua2DNa ea1H5aN5U-2U1-35WHX5ea BHa35HN -5aBW112aW XBH 5ea4 SRUpaB BHWWN/ Ua2DNa HB5e MHB Ua2DNa -Ba IUW WaI UN5ea B3X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB35a U5U-5UHN a-WBa 4 UN4a35UHN HX5ea B3X5STR eU3e U22aNWBa5e-5I BDV 3HNWSB35UHN NUg aW5aBN U22-BB3N/a5H WaX3U25UaWHX5ea4-N5-, N-RUpaB U22 Baa HHIaB35pag-5aB BHa35,/Baa aN55H - aIa2UpaBaWSH WaBW5e-5 H2I H5eaB UWaBa3aUpa -5aBpU-5ea4 SRUpaB BHWWN/ HB5e MHB -N-2 ea-XXa35aI Wa35UHNWHX5ea4 SRUpaB BHWWN/ HB5e MHB -N-2 U22 aBa12-3aI UN UNI-X5aB3HNWSB35UHN TXa3e-N/a 3-NNH5Ba12-3aIUWB15aI Ia2UpaB NUg aW5aBN U22XBNUW4g -5aB-W-Ba12-3a aN5W112

I MDNIUN/W, 25eH/eU5 - a1HWWU2a5HW11HB55ea4 SRUpaB BHWWN/ Ua2DNa HB5e MHB -N-2-NIa3-p-5a NIaBNa-5e UXU5 a3H aWNa3aWWB5ea4 SRUpaB BHWWN/ HB5e MHB -N-2 U22 a5-aNH5HXWaBpU3aXHB HN5eWI BDV 3HNWSB35UHNHX5ea 2N/a HH2 Ua2DNa e-WaTTT ea U12a aN5-5UHNHX 4

U22aNWBa 5ea 3HN5UN-5UHNHX -5aBIa2UpaBaW-NI BaI 3a U 1-35W Ba2-5aI 5HIUWB 15UHNHX5ea 4 S RUpaB BHWWN HB5e MHB -N-2 I BUN 3HNWSB 35UHNHX e-WaTTHX5ea 2 N/a HH2 Ua2UNa , N Ba -UNUN U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN -5aBW112daW XBH 5ea 4 S RUpaB BHWWN Ua2UNa HB5e MHB -N-2UW2aWW 5e-NWUNUX3-N5

4 HNWSB 35UHNHX e-WaTHX5ea 2 N/a HH2 Ua2UNa 3H 21 BaW25UN IUWB 15UHNHX -5aBW112daWXBH 5ea HB5e MHB -N-2

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UNIUWB 15UHNHX -5aB W112daWXBH 5ea HB5e MHB -N-2 ea 1H5aN5U-2U 1-35HX5ea 1BHa35HN5ea -5aBW112daWXBH 5ea HB5e MHB -N-2-Ba IUW WWaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HB1HB-5a U5U-5UHN a-WBa 4 UN4a35UHN HX5ea B-X5STR eU3e U22aNWBa 5e-5I BUN 3HNWSB 35UHN NUg aW5aBN U22-BB-N/a 5H WaX3U25daWHX5ea 4-N5-, N-RUpaB U22 Baa HH1aB-5Upa g -5aB BHa35, /Baa aN55H - aIa2UpaBaW5H WBW5e-5 H 21 H5eaB UWaBa3aUpa -5aBpU-5ea 4 S RUpaB BHWWN HB5e MHB -N-2 ea -XXa35aI Wa35UHNWHX5ea 4 S RUpaB BHWWN HB5e MHB -N-2 U22 a Ba12-3aI UN UNI -XSaB3HNWSB 35UHN TXa 3e-N/a 3-NNH5Ba12-3a IUWB 15aI Ia2UpaB NUg aW5aBN U22XBNUW 4g -5aB-W-Ba12-3a aN5W112

I MUNIUN W HNWSB 35UHNHX e-WaTHX5ea 2 N/a HH2 Ua2UNa U22 a2UUN-5a-N-11BH U-5a2 XH5Wa35UHNHX5ea HB5e MHB -N-2 ea 1HB5UHNHX5ea HB5e MHB -N-2-XXa35aI UW-1Ua2UNa NIaBNa-5e 5ea 4-N5-, N- -N HNRH-I 5WUa 5ea BH-I 5ea 3-N-2UW NBaUNXHB3aI -WHNB -NI -WW3e U5UWNH5Xa-WU2a 5H W11HB55ea 3-N-2I BUN 3HNWSB 35UHN TN-II U5UHN5H5ea UN5aBB 15UHNUNWaBpU3a 5e-5 H 21 HB3 BI BUN H5eaB1e-WaWHX 3HNWSB 35UHN 5eUWIHB5UHNHX HB5e MHB -N-23H 21 a H5HX WaBpU3a XHB HN5eWI BUN 3HNWSB 35UHNHX e-WaTHX5ea 2 N/a HH2 Ua2UNa aNWBUN 3HN5UN-5UHNHX -5aBIa2UpaBaW NIaB 4 5ea U5U-5UHN H 21 BaI 3a U 1-35WBa2-5aI 5H5ea IUWB 15UHNHX5ea HB5e MHB -N-2I BUN 3HNWSB 35UHNHX e-WaT HX5ea 2 N/a HH2 Ua2UNa 5H2aWW5e-NWUNUX3-N5 , N Ba -UNUN U 1-35W U22 a 2aWW5e-NWUNUX3-N5

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN -5aBW112daW XBH 5ea HB5e MHB -N-2I BUN 3HNWSB 35UHNHX e-WaTHX5ea

2 N/a HH2 Ua2DNa UW2aWW5e-NWUNUX3-N5

4 HNWB35UHNHX e-WaTHX5ea 2 N/a HH2 Ua2DNa-NI-WWBU-5aI UN5- a WB35 Ba3H2I BaW25UNIUB15UHNHX -5aBW112aW3HNpa aI 5ea HNWaBp-5UHN UWB35 -N-2

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UNIUB15UHNHX -5aBW112aW3HNpa aI 5ea HNWaBp-5UHN UWB35 -N-2 ea 1H5aN5U-2U 1-35WHX5ea BHa35HN -5aBW112aW3HNpa aI 5ea HNWaBp-5UHN UWB35-BaIUW WaI UN5ea B-XSSTR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB-5a U5U-5UHN a-WBaW 4 -NI 4 UN4a35UHN HX5ea B-XSSTR eU3e U22aNWBa5e-5Ia2UpaBaW5e-5 H2I e-pa HB3 BBaI 5H5ea4-N5-, N-RUpaBWBa-IUN/BHNIWpU-5ea HNWaBp-5UHN UWB35 -N-2 U22HB3 BpU-a UW5UN NUX3U25UaW, XaB3HNWB35UHN5ea-XXa35aI Wa35UHNWHX5ea3-N-2 U22 a Ba12-3aI U5e-NUN UNI WB35Ba TN5ea-2aBN-5Upa 1-B5HX5ea e-WaT2N/a HH2 Ua2DNa3H2I aWHB5aNaI, 5NNa2 H2I a U25XBH -1HUN5 W5WH5e-NI aW5HX 552ag aUBa5aNIUN WH5e aW5aB2 5eBH/e5ea HN5-UNWXHB-11BHU-5a2 Xaa5 aXHBa eHH UN 15H-p-2pa WB35Ba-55ea MH5eU22 Ua2DNa 5aB UN W ea IaWUNaI3HNpa-N3a3-1-3U5 H2I a 3XW 5eH/e5ea HIaB-5UN 3-1-3U5 H2I a 2U U5aI5H 3XW N5U2 e-WaTTHX5ea 2N/a HH2 Ua2DNa-W3H12a5aI, 2U/N aN5HX 5ea 2N/a HH2 Ua2DNa e-WaT H2I 5H5-2-11BHU-5a2 Xaa5 a5H5ea IUXaBaN52HB-5UHNHX5ea e-WaT-2U/N aN5 e-Wa TTTHX5ea 2N/a HH2 Ua2DNa H2I-2WHe-pa5H a HIUXaI aB5eUW U5U-5aI-2U/N aN5 e-WaTTTHX5ea 2N/a HH2 Ua2DNa H2I 5BaNI aW5-B-3BHWW-HBaNHB5eaB2 1-B5HX5ea4, R 5e-N H2I HB3 B NIaB5ea BHa35-NI-W-BaW25eUWNa -2U/N aN5HX e-WaTTTHX5ea 2N/a HH2 Ua2DNa H2I a -11BHU-5a2 Xaa5WeHB5aB5e-N NIaB5ea BHa35 ea H MH HNNa35HB H2I Ba-UN-WIBH1HWaI 5ea BHa35 Xaa52HNV 5eH/e U5e5ea HIUX3-5UHNW5H5ea 2N/a HH2 Ua2DNa 5eaWa5 H1UaW H2I e-pa-3H HN5BaN3e XHBHN2 -H5 Xaa5B-5eaB5e-N Xaa5-W H2I HB3 B NIaB5ea 1BH1HWaI BHa35 TN-I1U5UHN5ea XHH5IU-a5aB2N/a HH2 Ua2DNa H2I a UNWUa-N XHH5eHBaWeHa We-1aI5NNa25ea 3HNWB35UHNHX eU3e H2I 2-W5 15H-a-B U5e5ea IB22UN 5-UN/-H5 HN5eW-NI-3 X22UN/-N-H5eaB HN5eW HNWB35UHN H2I HB3 B I-WIaB aa ea BH5a NIaB2IaW 2-NIWHX5ea4-N aBN-BIUNH-5UHN-2MHBaW5

MUNIUN/WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

I MDNIUN/W U5U-5UHN a-WBaWaU5eaB5HaNWBa 3HN5UN-5UHNHX
-5aBIa2UpaBaWpU-a UW5UN/ NUX-3U25UaWHB5HBa2HB-5a5ea e-Wa
T 2N/a HH2 Ua2UNa U22BaI 3aU1-35WHN -5aBW112UaW
3HNpa aI 5ea HNWaBp-5UHN UW5B35 -N-2 , N Ba -UNUN/
U1-35W U22 a2aWW5e-NWUNUX3-N5

a HN32 WUHN ea1H5aN5U-2U1-35HX5ea BHa35HN -5aBW112UaW
3HNpa aI 5ea HNWaBp-5UHN UW5B35 -N-2UW2aWW5e-N
WUNUX3-N5

4 HNW5B35UHNHX H M2H HNNa35HB3H2I BaW25UNIUW315UHNHX
-5aBW112UaWXBH 5ea BaaNWH5 Ua2UNa XHB-WeHB51aBUH1

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UN-IUW315UHNHX -5aB
W112UaWXBH 5ea BaaNWH5 Ua2UNa ea1H5aN5U-2U1-35WHX5ea
BHa35HN -5aBW112UaWXBH 5ea BaaNWH5 Ua2UNa-Ba
IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWH5aN5U-2
U1-35 a3-Wa5eaWaU1-35W U22 a5a 1HB-B -NI 2aWW5e-N
WUNUX3-N5

I MDNIUN/W HNW5B35UHNHX5ea H M2H HNNa35HB3H2I BaW25UN
IUW315UHNHX -5aBW112UaWXBH 5ea BaaNWH5 Ua2UNa XHB-
WeHB51aBUH1 BaW25UN/ UN-N-IpaBWa 52aWW5e-NWUNUX3-N5
U1-35 HNW5B35UHNHX5ea H M2H HNNa35HB H2I Ba UBa-
N35UHN U5e5ea BaaNWH5 Ua2UNa BUN/ 3HNW5B35UHN U5 H2I
aNa3aWWB5HWWaNI WaHX5ea BaaNWH5 Ua2UNa XHB
-11BHU-5a2 5H aa Wa3-Wa5ea BaaNWH5 Ua2UNa UW
WaI 5H Hpa Ba/UHN-2 -5aBW112UaWUN5aBB15UHNHX5ea 1Ua2UNa
IHaWNH5U aIU-5a2 BaW25UNIa3Ba-WaI -5aBIa2UpaBaWXBH
-5aB5Ba-5 aN512-N5WHBIa3Ba-WaI Ia2UpaB HXIBUN UN/ -5aB5eUW
5a 1HB-B WWaNWUHNHXHIaB-5UHNWUW51U3-2I BUN/ -UN5aN-N3a
BUHB5HIa -5aBUN/ 5ea 1Ua2UNa NU H2I 3HHB UN-5a U5e-N
-XXa35aI aN5U5UaW-NI 1B-HpUIa aNH/e N-H5U3a 1BUHB5HWe 5IH N5H
-22H -XXa35aI aN5U5UaW5HUN3Ba-Wa -3 1 W5HB/a 5 BNHN -3 1
/BH NI -5aB1 1W-NI HB-B3N/a XHBUN3Ba-WaI Ia2UpaBaWXBH
-25aBN-5a WH BBaW eUWIUW315UHNHX -5aBW112UaW H2I a-2aWW
5e-NWUNUX3-N5U1-35

a HN32 WUHN ea1H5aN5U-2U1-35HX5ea BHa35HN -5aBW112UaW
XBH 5ea BaaNWH5 Ua2UNa UW2aWW5e-NWUNUX3-N5

4 HNW5B35UHNHX e-WaTHX5ea 2N/a HH2 Ua2UNa 3H2I BaW25UN
IUW315UHNHX -5aBW112UaWXBH 5ea MHH5eU22MaaIaB-NI 4-N5-, N-RUpaB

EHWWWN 4, R 1Ua2DNaWXHB-WeHB51aBJHI

- H5aN5U2T 1-35 ea BHa353H 2I BaW25UN-IUWB15UHNHX-5aBW112daWXBH 5ea MHH5eU22MaaIaB-NI 4, R 1Ua2DNaW ea 1H5aN5U2U 1-35WHX5ea BHa35HN-5aBW112daWXBH 5ea MHH5eU22-NI 4, R Ua2DNaW-BaIUW WaI UN5ea B-XSSTR-51-/a

T 1-35 BJHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U2 U 1-35 a3- WaU5eaWaU 1-35W U22 a 5a 1HB-B -NI 2aWW5e-N WUNUX3-N5U 1-35

I MDNIUNW HNWSB35UHNHX e-WaTHX5ea 2N/a HH2 Ua2DNa 3H2I BaW25UNIUWB15UHNHX-5aBW112daWXBH 5ea MHH5eU22-NI 4, R 1Ua2DNaWXHB-WeHB51aBJHI BaW25UNUN-N-IpaBaW 52aWW 5e-NWUNUX3-N5U 1-35 HNWSB35UHNHX e-WaTHX5ea 2N/a HH2 Ua2DNa H2I Ba UBa- N35UHN U5e 5ea MHH5eU22 Ua2DNa Na-B 5ea 4, R 1Ua2DNa BUN/3HNWSB35UHNU5 H2I a Na3aWWB 5H WWaNI WaHX5eaWa1Ua2DNaWXHB-11BHU-5a2 5H aa W a3- WaU5eaWa1Ua2DNaW-Ba WaI 5H Hpa eH2aW2a-5aB W112daWUN5aBB15UHNHX5ea 1Ua2DNa IHaWNH5U aIU-5a2 BaW25UN Ia3Ba-WaI -5aBIa2pBaBaWXBH -5aB5Ba-5 aN512-N5W eUW 5a 1HB-B WWaNWUHNHXH1aB-5UHNWUW5 1U3-2I BUN -UN5aN-N3a -NI H2I NH51BaWN5-W W5-N5U-2IUWB15UHN5H -5aBW112daW eUW H2I a-2aWW5e-NWUNUX3-N5U 1-35

a HN32 WUHN ea 1H5aN5U2U 1-35HX5ea BHa35HN-5aBW112daW XBH 5ea MHH5eU22MaaIaB-NI 4, R 1Ua2DNaWUW2aWW5e-N WUNUX3-N5

4 HNWSB35UHNHX e-WaTTHX5ea 2N/a HH2 Ua2DNa 3H2I BaW25UN IUWB15UHNHX-5aBW112daW5H5ea TN2-NI MaaIaBXHB-WeHB51aBJHI

- H5aN5U2T 1-35 ea BHa353H 2I BaW25UN-IUWB15UHNHX-5aB W112daW5H5ea TN2-NI MaaIaB ea 1H5aN5U2U 1-35WHX5ea BHa35 HN-5aBW112daW5H5ea TN2-NI MaaIaB-BaIUW WaI UN5ea B-X5 STR-51-/a

T 1-35 BJHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U2 U 1-35 a3- WaU5 U22 a 5a 1HB-B -NI 2aWW5e-NWUNUX3-N5

I MDNIUNW HNWSB35UHNHX e-WaTTHX5ea 2N/a HH2 Ua2DNa 3H2I BaW25UNIUWB15UHNHX-5aBW112daW5H5ea TN2-NI MaaIaBXHB

MDNIUNW WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

- WeHB51aBEHI -N-IpaBWa 52aWW5e-NWUNUX3-N5U 1-35
HNWSB35UHNHX e-WaTTHX5ea 2N/a HH2 Ua2UNa H21 Ba UBa
- N35UHN U5e5eaTN2-NI MaaIaBMHH5eU22 Ua2UNaTN5aB5daNa-B
HNa - 1RH-I BUN 3HNWSB35UHNU5 H21 aNa3aWWB 5H
WWaNI WaHX5eaUN5aB5daXHB-11BHU-5a2 - aa 1aBEHI
BUN 5eUW5Ua5eaMHH5eU22 Ua2UNa H21 Ba -UNUNWaBpU3a 5
5eaTN2-NI MaaIaB H21 e-paNH a-NW5HBa3aUpa4g Ia2UpaBaW
, WIaW5BUaIa-B2daB a3- Wa5eaWa1Ua2UNaW-Ba WaI 5H Hpa
eH2aW2a -5aBW112daWUN5aBB15UHNHX5ea1Ua2UNaIHaWNH5
U aIU-5a2 BaW25UNIa3Ba-WaI -5aBIa2UpaBdaWXBH -5aB
5Ba-5aN512-N5W eUW5a 1HB-BB WWaNWUHNHXH1aB-5UHNWUW
51U3-2I BUN -UN5aN-N3a-NI H21 NH51BaWaN5- W W5-N5U-2
IUWB15UHN5H -5aBW112daW eUW H21 a-2aWW5e-NWUNUX3-N5
U 1-35

a HN32 WUHN ea1H5aN5U-2U 1-35HX5ea BHa35HN -5aBW112daW
5H5eaTN2-NI MaaIaBUW2aWW5e-NWUNUX3-N5

4 HNWSB35UHNHX e-WaTTHX 2N/a HH2 Ua2UNa H21
5a 1HB-BB2 -2SaB BaaNWH5BH-I - IaWUNXa-5BaW5eaBa UN3Ba-WUW
BH-I - e- -B-W

- H5aN5U-2T 1-35 ea BHa353H21 UN3Ba-WaBH-I - e- -B-W
5a 1HB-BB2 -2SaBUN BaaNWH5BH-I - IaWUNXa-5BaW ea
1H5aN5U-2U 1-35WHX5ea BHa35HNBH-I - e- -B-W-BaIUW WaI
UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB-5a U5U-5UHN
a-WBaW 4 UN4a35UHN HX5ea B-X5STR eU3e
U22aNWBa5e-5 NUgaW5aBN U21UBa355ea3HNSB35HB5H
U12a aN5-5B-XX3 -N-/a aN512-N1Ba1-BaI - -2DXaI
5B-XX3aN/UNaaB5e-5IaXDNaWeH 5B-XX3HIaB-5UHNW U22a
-N-/aI-NI -UN5-UNaI HNBH-I - WI BUN a-3e1e-WaHX
3HNWSB35UHN UN32IUN/-N IaSH BWWUN-/a 2-Na32HWBaWHB
5U25 Ba2HB-5UHN HB ea5B-XX3 -N-/a aN512-N U22WIa3UX
Na3aWWB 2-Na32HWBaWIa5H BW-N WUN-/a 2Ue5UN/ X2-//aBW
-NI H5eaB5B-XX3 3HNSBH2 a-WBaWNaaIaI 5H-pHU-33UIaN5W-NI
1BHpUIa-33aWW5HBaWUIaN5W-NI a aB-aN3 BaWHNWapaeU32aW
I BUN 3HNWSB35UHN

I MUNIUN/W ea UNW5-22-5UHNHX5ea 2N/a HH2 Ua2UNa e-WaTT
H21 Ba UBa 3HNWSB35UHN NIaBHB-I -3aN55H BaaNWH5RH-I
a5H5ea eU/e WIaaIW5B-pa2aI HN BaaNWH5RH-I -NI 5ea BH-I
3 Bp-5Ba 5eaBa UW2U U5aI WUe5IUW5-N3a HN5ea BH-I - -NI
aN3BH-3e aN5 3HNWSB35UHNa UI aN53H21 1BaWaN5- e- -B-

MUNIUN/WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B-e

Tg S4 SR S T T -/a

ea U 12a aN5-5UHNHX 4 H 2I BaI 3a e- -B WBaW25UN
XBH UN-11BHIBJ5a 5B-XXG3 WaaIW2-Na/aH a5B -NI WUe5
IUW-N3a , N Ba -UNUN U 1-35W U22 a 2aWW5e-NWUNUXG3-N5

a HN32 WUHN ea 1H5aN5U-22U 1-35HX5ea BHa35HNUN3Ba-WaI
BH-I - e- -B WUW2aWW5e-NWUNUXG3-N5

4 HNWSB35UHNHX HBSHN -N HN HNNa35HB H 2I 5a 1HB-B22 -25aB
BaaNWH5RH-I - IaWUNXa-5 BaW5eaBa UN3Ba-WUN BH-I - e- -B W

- H5aN5U-22T 1-35 ea BHa353H 2I UN3Ba-WaBH-I - e- -B W
5a 1HB-B22 -25aBUN BaaNWH5RH-I - IaWUNXa-5 BaW ea
1H5aN5U-22U 1-35WHX5ea BHa35HNBH-I - e- -B W-WWBU-5aI
U5e-25aB-5UHNW5H BaaNWH5RH-I - IaWUNXa-5 BaW-Ba
IUW WaI UN5ea B-XSSTR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUXG3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB-5a U5U-5UHN
a-WBa 4 UN4a35UHN HX5ea B-XSSTR eU3e
U22aNWBa5e-5 NUg aW5aBN U22IUBa355ea 3HN5B-35HB5H
U 12a aN5-5B-XXG3 -N-/a aN512-N1Ba1-BaI - -2UXaI
5B-XXG3 aN/UNaaB5e-51aXUNaWeH 5B-XXG3 HIaB-5UHNW U22 a -N-/aI
-NI -UN5-UNaI HNBH-I - WI BUN a-3e 1e-WaHX3HNWSB35UHN
UN32IUN/-N Ia5H BWWUN-/a 2-Na 32HWBaWHB 5U25 Ba2H3-5UHN
HB ea 5B-XXG3 -N-/a aN512-N U22Wa3UX Na3aWWB 2-Na
32HWBaWIa5H BW-N WUN-/a 2Ue5UN X2-//aBW-NI H5eaB5B-XXG3
3HN5BH2 a-WBaWNaaIaI 5H-pHU-33UIaN5W-NI 1BHpUIa-33aWW5H
BaWUaN5W-NI a aBaN3 BaWHNWpaeU32aWI BUN 3HNWSB35UHN

I MUNIUN W HUNW5-225ea HBSHN -N HN HNNa35HBTT
-11BH U-5a2 HNa2-Na HX BaaNWH5RH-I H 2I e-pa 5H a
32HWaI XHB-11BH U-5a2 aa W eUW2-Na32HWBa H 2I a-5-
IUXaBaN52H3-5UHN-NI -5- IUXaBaN55U a5e-N5ea 1H5aN5U-2322HWBa
HX5ea BH-I - 5HUNW5-225ea 2 N/a HH2 UIa2UNa e-WaTT a 5H
5ea BH-I W3 Bp-5 Ba 5eaBa UW2U U5aI WUe5IUW5-N3a HN5eUWBH-I -
, 2WH paeU32aW5B-pa2-5eUUe WaaIWHN BaaNWH5RH-I -NI -N
aN3BH-3e aN5 3HNWSB35UHNa UI aN5HB-25aB-5UHNUN5ea 2-Na
3HNXU B-5UHN3H 2I 1BaWaN5- IaWUNe- -B T 12a aN5-5UHNHX
4 U22BaI 3a e- -B WI a5HUN-11BHIBJ5a 5B-XXG3 WaaIW
2-Na/aH a5B -NI WUe5IUW5-N3a , N Ba -UNUN U 1-35W U22 a
2aWW5e-NWUNUXG3-N5

a HN32 WUHN ea 1H5aN5U-22U 1-35HX5ea BHa35HNUN3Ba-WaI
BH-I - e- -B WBaW25UN XBH -25aB-5UHNW5H BaaNWH5RH-I -
IaWUNXa-5 BaWUW2aWW5e-NWUNUXG3-N5

4 HNWBB35UHNHX e-WaTHX 2 N/a HH2 Ua2UNa H 21 2HB
BH-I - -33aWW5H5ea 4apaN - W - W5a

- H5aN5U-2T 1-35 ea BHa353H 21 2HB BH-I - -33aWW5H5ea
4apaN - W - W5a ea 1H5aN5U-2U 1-35WHX5ea BHa35HN
BH-I - -33aWW5H5ea 4apaN - W - 4U5a -BaIUW WaI UN5ea
B-X5STR-51-/a -NI UN5ea MDN-2STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN
a-WBaW 4 UN4a35UHN HX5ea B-X5STR eU3e
U22aNWBa5e-5 NUg aW5aBN U221UBa355ea 3HN5B35HB5HBa/B-Ia
-1-5e - -1HB5UHNHX eU3e -WXHB aB2 WaI -W- BH-II BDN
5ea 3HNWBB35UHNHX4apaN - W - 1/B-IUN/5ea 1-5e -
3H 21 UN32Ia Ba1-UBDN/ HBBa12-3UN U5e - 2Ua W5B35 Ba 3 2paB5
HB5a 1HB-B 3BHWWN/ 5ea a UW5UN/ BU/UN/ HpaB5ea HNWaBp-5UHN
UW5B353-N-2 BDN/ BHa353HNWBB35UHNUN5ea 4-N5-, N- RUpaB
HNWBB35UHN, Ba- N-HN3HNWBB35UHNpaeU32aW U22 aIUBa35aI 5H
5eUWa5H BBH-I 5a eUWa5H BBH-I 5a U22-2H - 5eHBUaI paeU32aW
5HaN5aB5ea 4apaN - W - -33aWWBH-I -5- 1HUN5NHB5ea-W5HX5ea
BH-I 32HWBa -22H UN/ X22-33aWW5H5ea 4apaN - W -
HIaB-5UHNW U21UN/W4 S 4, R H aBeH Wa -NI 4apaN - W
- NUg aW5aBN U221BHpUIa Wa3 B5 -55eUWa5H BBH-I 5H
1BapaN5 N- 5eHBUaI -33aWW5H5ea I- W5a

I MDNIUN/W T53H 21 5- a 1 5H a-B5H3HNWBB35 e-WaTHX5ea
2 N/a HH2 Ua2UNa , 1HB5UHNHX5ea 1Ua2UNa H 21 a 5BaN3eaI
5eBH/e 5ea 4apaN - W - -33aWWBH-I Ba UBDN/ 5e-55ea BH-I
a 32HWaI 5H5eBH/e 5B-X3-5- 1HUN5 W5NHB5e HX BaaNWH5RH-I
-NI BaW25UN/ UN- 2HWWHX-33aWW5H5ea I- W5a T 12a aN5-5UHNHX
4 H 21 aNWBa -33aWWUN32IUN/ -33aWW a aB/aN3
BaWHNWapaeU32aW5H5ea 4apaN - W - W5a -NI 5eUW U22BaI 3a
U 1-35W5H2aWW5e-NWUNUX3-N5I BDN/ 3HNWBB35UHNHX e-WaTHX
5ea 2 N/a HH2 Ua2UNa

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNBH-I - -33aWW
5H5ea 4apaN - W - W5a UW2aWW5e-NWUNUX3-N5

4 HNWBB35UHNHX e-WaTTT 2 N/a HH2 Ua2UNa -NI H MDH
HNNa35HB H 21 2HB BH-I - -33aWW5H5ea 4apaN - W - W5a

- H5aN5U-2T 1-35 ea BHa353H 21 2HB BH-I - -33aWW5H5ea
4apaN - W - W5a ea 1H5aN5U-2U 1-35HX5ea 1BHa35HN
BH-I - -33aWW5H5ea 4apaN - W - 4U5a UWIUW WaI UN5ea
B-X5STR HN1-/a

T 1-35 BHHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN a-WBa 4 UN4a35UHN HX5ea B-X5STR eU3e U22aNWBa5e-5I BUN 3HNWSB35UHN NUg aWSaBN U22IUBa35NHN 3HNWSB35UHNpaeU32aW5e-5NaaI-33aWW5H4apaN - W - -NI RaWBpHUB5H-N-25aBN-5a-33aWWBH5a5H4apaN - W - eUW Ia5H BBH5a U22-22H - 5eHBUaI paeU32aW5HaN5aB5eaI- W5a-5 5ea BJe5- 5 aN5HX4apaN - W - NUg aWSaBN U22 1BHpUa Wa3 B5 -55eUW-25aBN-5a-33aWWBH-I I BUN 3HNWSB35UHNHX 5ea e-WaTTT 2N/a HH2 Ua2UNa-NI H M2H HNNa35HB5H 1BapaN5 N- 5eHBUaI-33aWW5H5eaI- W5a

I MUNIUN/W HNWSB35UHNHX5ea e-WaTTT 2N/a HH2 Ua2UNa-NI H M2H HNNa35HB H21 2HB BH-I --33aWW5H5ea4apaN - W - W5a T53H21 5- a 15H HN5eW5HUNW-22 e-WaTTTHX 5ea 2N/a HH2 Ua2UNa-NI 5ea H M2H HNNa35HB eaWa 1Ua2UNaW-Ba2HB-5aI 1BU-B22 UN5ea4apaN - W - -33aWWBH-I -NI 5eaUB3HNWSB35UHN H21 Ba UBa5ea32HWBaHX5eaBH-I XBH - 1HUN5 W5 aW5HX4 S4, R H aBeHWa 5H5ea -WaHX5eaI- H52a5 HB W eUW32HWBa H21 a-5- Wa1-B5a5Ua-NI UN- Wa1-B5a2HB-5UHN5e-N5eaBH-I32HWBa5e-5 H21 HB3 BI BUN 3HNWSB35UHNHX e-WaTHX5ea 2N/a HH2 Ua2UNa 2HWBaHX5ea BH-I XHB3HNWSB35UHNHX5ea 2N/a HH2 Ua2UNa e-WaTTT-NI 5ea H M2H HNNa35HB H21 2U U5-33aWW5H4apaN - W - -NI RaWBpHUB, 25eH/eU5 H21 UN3Ba-Wa5B-pa25Ua5H5eaI- --11BHU-5a2 5H UN 5aWIa1aNIUN/ HN3HNIU5UHNW-N -25aBN-5a-33aWWBH5a NIaB 4 H21 aNWBa-33aWW UN32IUN/-33aWW a aB3aN3 BaWHNWpaeU32aW5H5ea4apaN - W - W5a-NI BaI 3aU1-35W5H2aWW5e-NWUNUX3-N5I BUN 3HNWSB35UHNHX e-WaTTTHX5ea 2N/a HH2 Ua2UNa, N Ba-UNUN/U1-35W U22 a2aWW5e-NWUNUX3-N5

a HN32WUHN ea1H5aN5U-2U1-35HX5ea BHa35HNBH-I --33aWW 5H5ea4apaN - W - W5a I a5H5ea 3HNWSB35UHNHX5ea e-WaTTT 2N/a HH2 Ua2UNa-NI H M2H HNNa35HB UW2aWW5e-N WUNUX3-N5

4 HNWSB35UHNUN4-N5-, N-RUpaB HNWSB35UHN, Ba-3H21-II 1 5H I-U2 5BJW5HWBBH NIUN/ W5Baa5Na5 HB

- H5aN5U-2T 1-35 ea BHa353H21 3HN5BU 5a5HI-U2 3-B5BJW -BH NI 5ea4-N5-, N-RUpaB HNWSB35UHN, Ba--NI WBBH NIUN/ W5Baa5Na5 HB ea1H5aN5U-2U1-35WHX5ea BHa35HN5B-XX3UN 5ea WBBH NIUN/ W5Baa5Na5 HB -BaIUW WaI UN5ea B-X5STR-5 1-/a

MUNIUN/WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa 5eaWaU 1-35W U22 a 5a 1HB-B -NI 2aWW5e-N
WUNUX3-N5U 1-35

I MUNIUNVW HNWSB35UHNUN5ea 4, R HNWSB35UHN, Ba- 3H 2I -II
1 5H I-U2 5BUJW-W a-WBaI UN1-WaNVaB3-Ba Up-2aN5W5H
5ea WBBH NIUNV WSBaa5Na5 HB -N-IpaBWa 52aWW5e-NWUNUX3-N5
U 1-35 BUNV 3HNWSB35UHN-35UpU5aWUN5ea 4, R HNWSB35UHN
, Ba- 1 5H 3HNWSB35UHN HB aBW H 2I -BBUpa-55ea W5a aXHBa
5ea W5-B5HXa-3e WaUX5-5 - -NI Ia1-B5-5 1
, II U5UHN-22 1 5H Ia2UpaBaWHX3HNWSB35UHN -5aBeU2W3H 2I
HB3 Ba-3e I- UX5ea BHa35IUI NH5 Wa- BHB WSBaaNaB HN2 XH B
Ia2UpaBaW H 2I a NaaIaI UX5ea BHa35 WaI - BHB WSBaaNaB
HNWSB35UHN5B3 W H 2I a W5eaI 2aI 5H-pHUU 1a- eH BWHX
BH-I - 5B-XX3 UN5ea HBNUW XBH 5H - -NI 5H
1 , WW UNV -NapaNIUWSBU 5UHNHX5B3 5BUJW5eBH/e 5ea
Ba -UNUNV eH BWHX5eaI- 5eaBa H 2I a 1 5HNUNa5B3 5BUJW
1aBeH B U5e- BHB WSBaaNaB-NI HNa5B3 5BUJ 1aBeH B U5eH 5-
BHB WSBaaNaB ea BHa35 H 2I e-pa2552a-XXa35HN 1a- eH B
5B-XX3 a3- Wa BHa353HNWSB35UHN H 2I -II NH HBa5e-N
1aBBaN55Ha UW5UNV 5B-XX3-NI HpaB5eaaN5UBaI- BHa35-IIaI
5B-XX3 UWNH HBa5e-N 1aBBaN5Ia1aNIUNV HN ea5eaB-BHB
WSBaaNaBUW WaI I BUNV 3HNWSB35UHN g eU2a5ea-II U5UHNHX BHa35
3HNWSB35UHN5B-XX3 UW-IpaBWa U5 H 2I NH5 a W W5-N5U-2
3H 1-BaI 5H-5ea a UW5UNV 5B-XX3 2H-I -NI 3-1-3U5 HX5ea WSBaa5
WWSa eUW H 2I a-2aWW5e-NWUNUX3-N5U 1-35 -NI NH
U5U-5UHN a-WBaW-Ba Na3aWWB

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNI-U2 5BUJWHN
5ea WBBH NIUNV WSBaa5Na5 HB UW2aWW5e-NWUNUX3-N5

3 apU2 -N HN HNWSB35UHN, Ba-

4 HNWSB35UHNUN apU2 -N HN HNWSB35UHN, Ba- 3H 2I -II 1 5H
I-U2 5BUJW5HWBBH NIUNV WSBaa5Na5 HB

- H5aN5U-2T 1-35 ea BHa353H 2I 3HNSBU 5a 5HI-U2 paeU32a
5BUJW5H5ea WBBH NIUNV WSBaa5Na5 HB ea 1H5aN5U-2U 1-35WHX
5ea BHa35HN5B-XX3 I a 5H5ea HNWSB35UHNUN5ea apU2 -N HN
HNWSB35UHN, Ba- -BaIUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa 5eaU 1-35W H 2I a 2aWW5e-NWUNUX3-N5

I MDNUNW HNWSB35UHNUN5ea apU2 -N HN HNWSB35UHN, Ba-
3H21 -II 15H I-U2 5BJW-W a-WBaI UN1-WaNaB3-B
a Up-2aN5W5H5ea WBBH NUNV WSBaa5Na5 HB -N-IpaBaW 52aWW
5e-NWUNUX3-N5U 1-35 BUNV 3HNWSB35UHN-35UpU5aWUN5ea apU2
-N HN HNWSB35UHN, Ba- 15H 3HNWSB35UHN HB aBW H21
-BBUpa-55ea W5a aXHBa5ea W5-B5HXa-3e WeUX5- 5 - -NI
Ia1-B5-5 1 , II U5UHN-22 15H Ia2UpaBaWHX
3HNWSB35UHN -5aBeJ2W3H21 HB3 Ba-3eI- HNWSB35UHN5B3 W
H21 a W5eaI 2aI 5H-pHUJ 1a- eH BWHXBH-I - 5B3XX3 XBH
5H - -NI apaNUNV 5H 1 , WW UNV -NapaN
IUWSBU 5UHNHX5B3 5B3XX3 5eBH/e 5ea Ba -UNUNV eH BWHX5ea
I- 5eaBa H21 a 15H5eBaa5B3 5BJWIaBeH B, N-N-2 WWHX
5B3XX3 3HNIU5UHNW U5e 3HNWSB35UHN5B3XX3 WeH W5ea BHa35 H21
e-pa2552a-XXa35HN1a- eH B5B3XX3-NI HpaB5ea aN5UBa I-
BHa35-IIaI 5B3XX3 H21 a 2aWW5e-N 1aBBaN5 4H eU2a5ea
-IIU5UHNHX BHa353HNWSB35UHN5B3XX3 UW-IpaBaW U5 H21 NH5 a
W W5-N5U-23H 1-BaI 5H5ea a UW5UNV 5B3XX3 2H-I -NI 3-1-3U5 HX5ea
WSBaa5WW5a eUW H21 a-2aWW5e-NWUNUX3-N5U 1-35

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNI-U2 5BJWHN
5ea WBBH NUNV WSBaa5Na5 HB UW2aWW5e-NWUNUX3-N5

I 52a Baa HNWSB35UHN, Ba-

4 HNWSB35UHNHX H aB 52a Baa Ua2UNa 3H21 BaW25UN
IUWB15UHNHX -5aBW112daWXBH 5ea 4-N - Bad2 -22a N3U-2g -5aB
UWSBB35 52a Ua2UNa XHB- WeHB51aBUHI

- H5aN5U-2T 1-35 ea BHa353H21 BaW25UN- IUWB15UHNHX -5aB
W112daWXBH 5ea 4-N - Bad2 -22a N3U-2g -5aB UWSBB35
52a Ua2UNa ea 1H5aN5U-2U 1-35WHX5ea BHa35HN -5aB
W112daWXBH 5ea 4-N - Bad2 -22a N3U-2g -5aB UWSBB35
52a Ua2UNa -BaIUW WWI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa5ea U 1-35W H21 a 2aWW5e-NWUNUX3-N5

I MDNUNW HNWSB35UHNHX5ea H aB 52a Baa Ua2UNa 3H21
BaW25UNIUWB15UHNHX -5aBW112daWXBH 5ea 52a Ua2UNa XHB-
WeHB51aBUHI -N-IpaBaW 52aWW5e-NWUNUX3-N5U 1-35
HNWSB35UHNHX5ea H aB 52a Baa Ua2UNa H21 Ba UBa-
N35UHN U5e 5ea 52a Ua2UNa U5eUNRUpaBWUa, paN a BUN
3HNWSB35UHNU5 H21 a Na3aWWB 5HWWaNI Wa HX5eUWIUa2UNa
XHB-11BH U-5a2 5H aa W a3- Wa 5eUWIUa2UNa UW WaI 5H
Hpa eH2aW2a -5aBW112daWUN5aBB15UHNHX5ea 1Ua2UNa IHaW

MDNUNW ESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

N-5U aI U-5a2 BaW25UNIa3Ba-WaI -5aBIa2UpaBaWXBH -5aB
5Ba-5 aN512-N5W eUW5a 1HB-B WWaNWUNHXHIaB-5UHNWUW
5 1U3-2I BUN -UN5aN-N3a-NI H 2I N-51BaWaN5- W W5-N5U-2
IUWB 15UHN5H -5aBW112IdWg eU2a-IpaBWa 5eUW H 2I a-2aWW
5e-NWUNUX3-N5U 1-35

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea B-Ha35HN -5aBW112IdW
XBH 5ea 4-N - Bd2 -22a N3U-2g -5aB UW5B35 52a
UIa2UNa UW2aWW5e-NWUNUX3-N5

4 HNW5B35UHNHX5ea H aB 52a Baa UIa2UNa H 2I 5a 1HB-B2
-25aBRUpaBWUa, paN a B-H-I - IaWUNXa-5 BaW5eaBa UN3Ba-WUW
B-H-I - e- -B W

- H5aN5U-2T 1-35 ea B-Ha353H 2I UN3Ba-WaB-H-I - e- -B W
5a 1HB-B2 -25aBUW RUpaBWUa, paN a B-H-I - IaWUNXa-5 BaW
ea 1H5aN5U-2U 1-35WHX5ea B-Ha35HNRUpaBWUa, paN a B-H-I -
IaWUNXa-5 BaW-BaIUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea B-Ha35 U22UN3HB-HB-5a U5U-5UHN
a-WBaW 4 UN4a35UHN HX5ea B-X5STR eU3e
U22aNWBa5e-5 NUg aW5aBNIUBa355ea 3HN5B-35HB5HU 12a aN5-
5B-XX3 -N-/a aN512-N1Ba1-BaI - -2UXaI 5B-XX3 aNUNaaB
eU3e IaXUNaW-eH 5B-XX3 HIaB-5UHNW U22 a -N-/aI -NI
-UN5-UNaI HNBH-I - WI BUN a-3e 1e-WaHX3HNW5B35UHN
UN32IUNU -N IaSH BWWUN-/a 2-Na 32HWBaWHB 5U25 Ba2HB-5UHN
HB ea 5B-XX3 -N-/a aN512-N U22Wa3UX Na3aWWB 2-Na
32HWBaWIa5H BW-N WUN-/a 2UJe5UNV X2-//aBW-NI H5eaB5B-XX3
3HN5BH2 a-WBaWNaaIaI 5H-pHU-33UIaN5W-NI 1BHpUIa-33aWW5H
BaWUaN5W-NI a aB aN3 BaWHNWa paeU32aWIHUNV 3HNW5B35UHN

I MUNIUNV W NIaB5ea B-Ha35-11BH U-5a2 Xaa5HX5ea
H aB 52a Baa UIa2UNa H 2I a UNW5-22aI U5eUN5ea BJe5HX
- HXRUpaBWUa, paN a ea UNW5-22-5UHNHX5ea H aB 52a
Baa UIa2UNa H 2I Ba UBa N-BBH UNV 5ea 5B-pa22-NaWUN5eUW
Wa35UHNHXRUpaBWUa, paN a a3- WaHX5ea UIa BJe5HX - HN
RUpaBWUa, paN a U5WeH 2I a 1HWWU2a 5H -UN5-UN-52a-W5HNa
HIaN2-Na UNa-3e 5B-pa2IUBa35UHN a1aNIUNV HN5ea a-35
-2UN aN5HX5ea 1UIa2UNa eH apaB U5 - a Na3aWWB 5H BdX2
Wa3 BBaN52 NI-paI 1HB5UHNWHX5ea BJe5HX - -BBH UNV
5B-XX3 2-NaWWeUX5UNV 5B-XX3 5H NI-paI 1HB5UHNWHX5ea BJe5HX
- -NI 5ea aN3B-H-3e aN5HX3HNW5B35UHNa UI aN5UN5H5B-pa2
2-NaW3H 2I 1BaWaN5-IaWUNe- -B ea 5B-XX3 -N-/a aN512-N
U22BaI 3a e- -B WI a 5HUN-11BHIB-5a 5B-XX3 WaaIW2-Na
/aH a5B -NI WJe5IUW5-N3a -NI 5e WBaI 3a U 1-35W5HRUpaBWUa

, paN a I BUV 3HNWSB 35UHNHX5ea H aB 52a Baa Ua2UNa 5H
2aWW5e-NWUNUX3-N5 , N Ba -UNUV U 1-35W U22 a 2aWW5e-N
WUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNUV3Ba-WaI
BH-I - e- -B WUW2aWW5e-NWUNUX3-N5

4 HNWSB 35UHNUN5ea 52a Baa HNWSB 35UHN, Ba- 3H 2I 3- Wa-
5a 1HBBB IUWB 15UHN5H WWaBpU3a

- H5aN5U-2T 1-35 ea BHa353H 2I IUWB 15 WWaBpU3a UN5ea
52a Baa HNWSB 35UHN, Ba- ea 1H5aN5U-2U 1-35WHX5ea
BHa35HN WWaBpU3a -Ba IUW WWaI UN5ea B-X5STR-51-/aW
-NI

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa 5ea U 1-35W H 2I a 2aWW5e-NWUNUX3-N5

I MUNIUNW HNWSB 35UHNUN5ea 52a Baa HNWSB 35UHN, Ba- 3H 2I
3- Wa- 5a 1HBBB IUWB 15UHN5H WWaBpU3a NU5B-NW WBH 5a
5B-paBaW-NI e-WWSH1WHN5ea 1HB5UHNHX UNIaN, paN a 5e-5
H 2I a 32HWaI 5H5B-XX3 I BUV 3HNWSB 35UHN HNWSB 35UHN H 2I
Ba UBaI a5H BUV 5eUWBH 5a XHB-11BH U-5a2 HN5eW-NI
Ba2HB-5UW WWSH1W-2HN UNIaN, paN a g eU2a 5eUWIUWB 15UHN
H 2I a-NUX3HNpaNaN3a 5H5B-NW51-5BHNWU5 H 2I NH53HNXU35
U5e U5 HXRU-25H1H2U3UaWXHB-25aBN-5Upa 5B-NWHB5-5UHN

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN WWaBpU3aWUW
2aWW5e-NWUNUX3-N5

4 HNWSB 35UHNUN5ea 52a Baa HNWSB 35UHN, Ba- 3H 2I -II 1 5H
I-U2 5BUW5H5ea WBBH NIUNV WSBaa5Na5 HB

- H5aN5U-2T 1-35 ea BHa353H 2I 3HN5BU 5a 5HI-U2 3-B5BUW
-BH NI 5ea 52a Baa HNWSB 35UHN, Ba- ea 1H5aN5U-2U 1-35W
HX5ea BHa35HN5B-XX3 HN5ea WBBH NIUNV WSBaa5Na5 HB -Ba
IUW WWaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN aWW5e-NWUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUWBa UBaI XHB5eUWIH5aN5U-2
U 1-35 a3- Wa 5ea U 1-35W H 2I a 2aWW5e-NWUNUX3-N5

I MUNIUNW HNWSB 35UHNUN5ea 52a Baa HNWSB 35UHN, Ba- 3H 2I
-II 1 5H I-U2 5BUW-W a-WBaI UN1-WWaNVaB3-B
a Up-2aN5W5H5ea WBBH NIUNV WSBaa5Na5 HB -N-IpaBWa 52aWW

MUNIUNW ESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

5e-NWUNUX3-N5U 1-35 BUV 3HNWSB35UHN-35pU5daWUN5ea 52a
Baa HNWSB35UHN, Ba- 15H 3HNWSB35UHN HBaBW H21
-BBpa-55ea W5a aXHBa5ea W5-B5HXa-3e WeUX5-5 - -NI
Ia1-B5-5 1 , III5UHN-22 15H Ia2pBaBdWHX
3HNWSB35UHN -5aBeU2W3H21 HB3 Ba-3eI- HNWSB35UHN5B3 W
H21 aW9eaI 2aI 5H-pHU 1a- eH BWHXBH-I - 5B3XX3XBH
- 5H - -NI XBH 5H 1 , WW UV -N
apaNIUW8BU 5UHNHX5B3 5B3XX3 5eBH/e5ea Ba -UNUV eH BWHX
5eaI- 5eaBa H21 a 15H 5B3 5BUWaBeH B, paB3/a
I-U2 5B3XX3 HNRUpaBWUa, paN aNa-B5ea BHa35UWaW8U-5aI 5H
a-11BH U-5a2 H5eUW-paB3/aI-U2 5B3XX3 5ea BHa35
H21-II-11BH U-5a2 1-WaNVaB3-Ba Up-2aN5W-
1aB3aN5UN3Ba-Wa eUW5a 1HB3B 3e-NVaUN5B3XX3 H21 NH5 a
W W5-N5U-23H 1-BaI 5H5ea a UW5UV 5B3XX3 2H-I -NI 3-1-3U5 HX5ea
W8aa5WW5a -NI 5eUW H21 a-2aWW5e-NWUNUX3-N5U 1-35

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNI-U2 5BUWHN
5ea WBBH NIUV W8aa5Na5 HB UW2aWW5e-NWUNUX3-N5

BHa35 1aB35UHNW-NI -UN5aN-N3a

- 4-N aBN-BIUNH -WUN, Ba-

4 e-NVaWUN5ea 1-55aBNHX/BH NI -5aBBa3e-B3aBa2-5aI 5H5ea
BHa353H21 2H aB-paB3/a/BH NI -5aB2apa2W-5 a22WH 5WUa5ea
BaWWBa HNa5e WU 1-UBUV/BH NI -5aB1BH1 35UHN

- H5aN5U-2T 1-35 ea BHa353H21 BaW25UN2H aB-paB3/a
/BH NI -5aB2apa2W-5 a22WH 5WUa5ea BaWWBa HNa -NI
U 1-UB aN55H/BH NI -5aB1BH1 35UHN ea 1H5aN5U-2U 1-35WHX
5ea BHa35HNU 1-UBaI/BH NI -5aB1BH1 35UHN-BaIUW8 WaI UN
5ea B3XSSTR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB3a U5U-5UHN
a-WBaW 4 UN4a35UHN HX5ea B3XSSTR eU3e
U22aNWBa5e-5 NUg aW8aBN U22WBa-IWXX3UaN5 -5aB5H
-UN5-UN5ea W8-5U3/BH NI -5aB2apa2W-55ea-Xa35aI UNIa a22W
3HNWW8aN5 U5e5ea IUBa35UHNHX5ea 4apaN - W, 33HBB
NUg aW8aBN U22 Wa-/BH NI -5aB HN5HBUV 1BH/B -WaI
HNUNXHB -5UHNIaBpaI XBH 5ea UNIa a22W eUWUNXHB -5UHN
U22 a WaI UN3HN N35UHN U5e XHBa3-W8WHX/BH NI -5aB2apa2W
IaBpaI XBH NUg aW8aBNUN5a/B3aI WBX3a-NI/BH NI -5aB
HIa2W5HUaN5UX 5BaNIWUN/BH NI -5aB2apa2W-NI UW2-5a5ea
We-Ba HX3e-NVa-55BU 5-2a5H5ea BHa35 Ra aIU-2-35UHN U22 a
U12a aN5aI aXHBa/BH NI -5aB2apa2WBa-3e-N-35-2 XHH5

MUNIUV WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

BaI 35UHN

I MUNIUNVW -VaI HN/BH NI -5aB HIa2UNV BaW25WU5UWaV5U -5aI 5e-5 NIaB5 HW3aN-BUHWV5-5U3/BH NI -5aB2apa2W-5VapaNHX5ea UNIa a22W2HB-5aI H 5WUa 5ea BaWVBa HNa H 2I a BaI 3aI HN-paB3/a HpaB5ea a-BXHBa3-V51aBUHI HBa 5e-N Xaa5 eaN3H 1-BaI 5H H BHa3553HNIU5UHNW NIaB 4 WBa-IUNV -5aB WUNV -/BH NI -5aB HNU5HBUNV 1BH/B- U22 BaI 3a 5ea U 1-35WHN/BH NI -5aB1BHI 35UHNI a 5H5ea 3e-N/a UN 5ea 1-55aBNHX/BH NI -5aBBa3e-B/a Ba2-5aI 5H5ea BHa35 , N Ba -UNUNV U 1-35W U22 a 2aWV5e-NWUNUX3-N5

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN/BH NI -5aB 1BHI 35UHNUW2aWV5e-NWUNUX3-N5

4apaN - W - -NI RaVaWBpHUB HNV5B 35UHN, Ba-

4 HNVaWBp-5UHN45HB3/a 3H 2I UN5aB U55aN52 - a U5Na3aWVB 5H Va -25aBN-5a BH 5aV5H-33aWVX-3U25UaW 1V5Ba- HX4apaN - W -

- H5aN5U-2T 1-35 HNVaWBp-5UHNV5HB3/a NIaB5ea BHa3553H 2I UN5aB U55aN52 - a U5Na3aWVB 5H Va-25aBN-5a BH 5aV5H-33aWV X-3U25UaW 1V5Ba- HX4apaN - W - eUVIH5aN5U-2U 1-35UV IUV9 VaVI UN5ea MUN-2STR-51-/aW -NI

T 1-35 BUHB3H U5U-5UHN aWV5e-NWUNUX3-N5

3 U5U-5UHN a-WBa U5U-5UHNUVNH5Ba UBaI XHB5eUVU 1-35 a3- Va VaHX-25aBN-5a BH 5aV U22NH53- Va- W V5-N5U-2UN3Ba-Va UN5B3XX3 3H 1-BaI 5Ha UV5UNV 5B3XX3 2H-I

I MUNIUNVW paB5ea -Va1aBUHI Va-VHN-2V5HB3/a NIaB5ea BHa35 3H 2I 3- Va -5aB2apa2W5H a eU/eaB5e-N X5 a-NVa-2apa2 HN- H 5XH B1aB3aN5HXI- W N5eaVaI- W5ea a UV5UNV 1V5Ba- -33aWVBH-I H 2I a UN NI-5aI Ba UBUNV -N-25aBN-5Upa BH 5a 5H -33aWVX-3U25UaW 1V5Ba- HX5ea I- a3- Va 5eaVa-25aBN-5Upa BH 5aV H 2I -2WI a UN VaI BUNV 2HNVaB-NI HBa XBa aN5XBHI 3HN5BH2HIaB3UHNW-55ea I- 5ea BHa35 U22NH52a-I 5H- W V5-N5U-2UN3Ba-VaUN5B3XX3 3H 1-BaI 5Ha UV5UNV 5B3XX3 2H-I HB U225ea BHa35 WHIaB3UHNWUN3Ba-Vae- -B WV5HpaeU32aW 3HNXU35 U5e-IH15aI 5B3NWHB5-5UHN1H23UaWHBBaW25UN UN-Ia -5a a aB3aN3 -33aVW

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea VaHX -25aBN-5a BH 5aV5H-33aWVX-3U25UaW 1V5Ba- HX4apaN - W - UW 2aWV5e-NWUNUX3-N5

VII. FINDINGS REGARDING SIGNIFICANT AND UNAVOIDABLE IMPACTS ON THE ENVIRONMENT

ea STR UaN5UXaI 5ea XH2H UN/ WUNUX3-N5U 1-35WHN5ea aNpUBHN aN55e-5-Ba Iaa aI 5H Ba -UN WUNUX3-N5apaN-XaB5ea -IHl5UHNHX U5U-5UHN a-WBaW eaWaU 1-35W-Ba HpaBBUIaN 5ea BHa35 W aNaX5W-WWa5XHB5e UN4a35UHN 45-5a aN5HX paBBUUN/ HNWUaB-5UHNW

A. SURFACE WATER HYDROLOGY AND WATER QUALITY

BHa35 1aB-5UHN-NI -UN5aN-N3a

- 4-N5-, N- RUpaBE4a/ aN5

  4g ea BHa35 H 2I WUNUX3-N52 Ia3Ba-Wa BpaBXH HNNHN WSHB I- W

  - H5aN5U2T 1-35 ea BHa353H 2I Ia3Ba-Wa BpaBXH HNNHN WSHB I- W ea 1H5aN5U2U 1-35WHX5ea BHa35HNIa3Ba-WaI BpaBXH W-Ba IUW WaaI UN5ea B-X5STR-51-/a -NI UN5ea MUN-2STR-51-/aW 5H , 5H, -NI ,

    T 1-35 BUHB5H U5U-5UHN H5aN5U22 WUNUX3-N5

  3 U5U-5UHN a-WBa H U5U-5UHNUW-p-U2- 2a 5HBaI 3a 5eUW U 1-355H- 2aWW5e-NWUNUX3-N52apa2

  I MUNIUN/W ea BHa35 U22BaW25UN- a-WB- 2a 3e-N/a UNNHN WSHB I- XH W NNHN WSHB I- WXH WH33 BHN-22I- WUN 5ea Wa/ aN5 a5 aaN5ea 12 N/a 1HH2-NI 552a g aUB eaWa XH W-Ba -5BU 5- 2a 5H- 3H UN-5UHNHX5ea 3XW UNU Ba2a-Wa XBH 5ea I- a5eaB5H5ea 2 N/a HH2HB 2 N/a HH2 -WW Ua2UNa Ba2a-WaWXHB5ea HNWaBp-5UHN UWSB35 aNpUBHN aN5-2e- U5-5Ba2a-WaW-W a22-WH5eaBXH WBa2-5aI 5H HIaB-5UHNHX5ea I- a/ a 15 UN/ 5ea Ia BUWIHH2 BUN/ e-Wa T-NI TTHX5ea 2 N/a HH2 Ua2UNa NH -5aB H 2I aIUpaB5aI -5 5ea 12 N/a 1HH2-NI 5ea BHa35 H 2I e-pa NHaXXa35HNRUpaB 4a/ aN5 NIaB e-Wa TTTHX5ea 2 N/a HH2 Ua2UNa eH apaB -22XH WBa -UNUN/ -XaB-33H N5UN/ XHB5ea 3XW UNU Ba2a-Wa XBH 5ea I- Ba2a-WaWXHB5ea HNWaBp-5UHN UWSB35 -NI aNpUBHN aN5-2e- U5-5Ba2a-WaW3H 2I a IUpaB5aI XBH 5ea 12 N/a 1HH2 NIaB1Ba I- 3HNIU5UHNW5eUWBUpaBWa/ aN5e-I NH a-WB- 2a XH WUN5ea 3e-NNa2HN-11BH U-5a2 1aB3aN5HX-22 I- W g U5e 4apaN - W - UN12-3a XH WHN-22NHNWSHB I- W a -2HBa 3aaI 3XW eaBa UW-3e-N/a UN aIU-NNHNWSHB XH XBH 3XW NIaB5ea H BHa35WaN-BH5H 3XW NIaB BHa35

MUNIUN/WE STR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW -Be

Tg S4 SR S T T -/a

WaN-BUHW eUWU 1-35UW3HNWUaBaI WUNUX3-N5-NI N-pHUU- 2a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea Ia3Ba-WaHX BUpaBX2H WHNNHNWSHB I- WUWWUNUX3-N5-NI N-pHUU- 2a

4-N5-, N-RUpaBE4a/ aN5

4g ea BHa35 H 2I WUNUX3-N52 Ia3Ba-WaBUpaBX2H HNNHNWSHB I- W

- H5aN5U-2T 1-35 ea BHa353H 2I Ia3Ba-WaBUpaBX2H HNNHN WSHB I- W ea 1H5aN5U-2U 1-35WHX5ea BHa35HNIa3Ba-WaI BUpaB X2H W-BaIUW WaI UN5ea B-X5STR-51-/a -NI UN5ea MUN-2STR-51-/aW 5H , 5H, -NI ,

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUW-p-U2- 2a 5HBaI 3a 5eUW U 1-355H- 2aWW5e-NWUNUX3-N52apa2

I MUNIUNW ea BHa35 U22BaW25UN- a-WB- 2a 3e-N'a UNNHN WSHB I- X2H W NIaB H BHa353HNIU5UHNWX2H Wa2H 552a g aUB-Ba 51U3-22 2H NIaB Ba - 3HNIU5UHNW 1aB3aN5HX -22I- We-I aBHX2H g U5e4apaN - W - UN12-3a aIU-N NHNWSHB I- X2H UWaBH-NI UNHN2 - H5 1aB3aN5HXNHN WSHB I- WUW5eaBa X2H UNRUpaB4a/ aN5 NIaB e-WaTHX5ea 2N'a HH2 UIa2UNa 15H 3XW H2I aIUpaB5aI -5 552a g aUB TN2-5aB1e-WaWHX5ea 2N'a HH2 UIa2UNa 3XW H2I aIUpaB5aI -5 HB- Hpa 552a g aUB g U5e5ea BHa355eaBa H2I aNHX2H UN5eUWBUpaBWa/ aN5HNNHNWSHB I- W ea Ia32UNa UN NHNWSHB X2H W NIaB5ea H BHa35-NI BHa35WaN-BUHWUW /Ba-5aB5e-N3H2I a-55BU 5- 2a 5H a-WBa aN5aBBHBX2HBX2H W 2aWW5e-N 3XW eUWU 1-35UW3HNWUaBaI WUNUX3-N5-NI N-pHUU- 2a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea Ia3Ba-WaHX BUpaBX2H WHNNHNWSHB I- WUWWUNUX3-N5-NI N-pHUU- 2a

3 4-N5-, N-RUpaBE4a/ aN5

4g ea BHa35 H 2I WUNUX3-N52 Ia3Ba-WaBUpaBX2H HNNHNWSHB I- W

- H5aN5U-2T 1-35 ea BHa353H 2I Ia3Ba-WaBUpaBX2H HNNHN WSHB I- W ea 1H5aN5U-2U 1-35WHX5ea BHa35HNIa3Ba-WaI BUpaB X2H W-BaIUW WaI UN5ea B-X5STR-51-/a -NI UN5ea MUN-2STR-51-/aW 5H , , -NI ,

MUNIUNW WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUW-p-U2- 2a 5HBaI 3a 5eUW U 1-355H- 2aWW5e-NWUNUX3-N52apa2

I MDNIUNW ea BHa35 U22BaW25UN- a-WB- 2a 3e-N/a UNNHN W5HB I- XH W NIaB H BHa353HNIU5UHNWXH Wa2H U22 Baa -Ba 5 1U3-22 2H NIaB Ba - 3HNIU5UHNW 1aB3aN5HX -22I- We-I aBHXH g U5e 4apaN - W - UN12-3a aIU-N NHNW5HB I- XH UWaBH-NI UNHN2 - H 5 1aB3aN5HXNHN W5HB I- WUW5eaBa Ia5a35- 2a XH UNRUpaB4a/ aN5 g U5e 5ea BHa35 5eaBa H 2I W5U22 a XH UN5ea BUpaBHNNHN W5HB I- W 55ea pH2 a H 2I a 2aWW-NI U5 H 2I HB3 B2aWWXBa aN52 5e-N NIaB H BHa353HNIU5UHNW ea Ia32DNa UNNHN W5HB XH W UWBa-5aB5e-N3H 2I a -55BU 5- 2a 5H a-WBa aN5aBBHBXHBXH W 2aWW5e-N 3XW e W- a-WB- 2a 3e-N/a UNNHN W5HB I- XH WUW-55BU 5- 2a 5H5ea BHa35 eUWU 1-35UW3HNWUaBaI WUNUX3-N5-NI N-pHU- 2a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea Ia3Ba-Wa HX BUpaBXH WHNNHN W5HB I- WUWWUNUX3-N5-NI N-pHU- 2a

I 4-N5-, N-RUpaBE4a/ aN5S

4g ea BHa35 H 2I WUNUX3-N52 Ia3Ba-Wa BUpaBXH HNNHN W5HB I- W

- H5aN5U-2T 1-35 ea BHa353H 2I Ia3Ba-Wa BUpaBXH HNNHN W5HB I- W ea 1H5aN5U-2U 1-35WHX5ea BHa35HNIa3Ba-WaI BUpaB XH W-BaIUW WWaI UN5ea B-X5STR-51-/a -NI UN5ea MDN-2STR-51-/aW 5H , , -NI ,

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUW-p-U2- 2a 5HBaI 3a 5eUW U 1-355H- 2aWW5e-NWUNUX3-N52apa2

I MDNIUNW ea BHa35 U22BaW25UN- a-WB- 2a 3e-N/a UNNHN W5HB I- XH W NIaB H BHa353HNIU5UHNWXH Wa2H S 45Baa5-Ba 2H g U5e 4apaN - W - UN12-3a aIU-NNHNW5HB I- XH UW 3XW aNaB-22 5eaBa UWHN2 Ia5a35- 2a XH - H 5 1aB3aN5HXNHNW5HB I- W-NI I BUN 5eaWaI- WXH UW5 1U3-22 NH HBa5e-N 3XW NIaB5ea BHa35 1 5H 3XW H 2I a IUpaB5aI XBH XH W 1W5Ba- HX5ea BUpaBWa/ aN5-NI aIU-N NHNW5HB I- XH H 2I a aBH g U5e 5ea BHa35 5eaBa H 2I a 2aWWXH HB3 BBUN UN2aWWXBa aN3 5e-N NIaB H BHa35 3HNIU5UHNW eUWU 1-35UW3HNWUaBaI WUNUX3-N5-NI N-pHU- 2a

MDNIUNWE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

a HN32 WEN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea Ia3Ba-Wa HX BpaBX2H WHNNHNW5HB I- WUWWUNUX3-N5-NI N-pHU- 2a

a 4-N5-, N-RUpaBE4a/ aN5M

4g ea BHa35 H 2I WUNUX3-N52 Ia3Ba-Wa BpaBX2H HNNHNW5HB I- W

- H5aN5U-2T 1-35 ea BHa353H 2I Ia3Ba-Wa BpaBX2H HNNHN W5HB I- W ea 1H5aN5U-2U 1-35WHX5ea BHa35HNIa3Ba-WaI BpaB X2H W-BaIUW WaaI UN5ea B-X5STR-51-/a -NI UN5ea MUN-2STR-51-/aW 5H , , , -NI ,

T 1-35 BEHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa H U5U-5UHNUW-p-U2- 2a 5HBaI 3a 5eUW U 1-355H- 2aWW5e-NWUNUX3-N52apa2

I MUNIUNW ea BHa35 U22BaW25UN- a-WB- 2a 3e-N/a UNNHN W5HB I- X2H W M2H W a2H 5ea RT -NI RU-25HSXX2 aN5 5X-22 -Ba 3HN5UN H WapaNHNNHNW5HB I- W g U5e 4apaN - W - UN 12-3a aIU-NNHNW5HB I- X2H UW 3XW NIaB-22 BHa35 W5aN-BEHWapaNUN2H X2H 1aBEHIWHNNHNW5HB I- WX2H W H 2I a WU U2-B5H5eHWa NIaB H BHa35 MHB- W-22 1aB3aN5-/a HXNHNW5HB I- W2aWW5e-N 1aB3aN5 5ea Ia32UNa UN NHNW5HB X2H W NIaB5 HW5aN-BEHWHX5ea BHa35 UW Ba-5aB5e-N 3H 2I a-55BU 5- 2a 5H5ea a-WBa aN5aBEHB-NI XHBHN2 - 2U U5aI X2H B-N/a - Hpa 3XW

a HN32 WEN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea Ia3Ba-Wa HX BpaBX2H WHNNHNW5HB I- WUWWUNUX3-N5-NI N-pHU- 2a

B. GROUNDWATER HYDROLOGY AND WATER QUALITY

BHa35 1aB-5UHN-NI -UN5aN-N3a

- 4-N aBN-BIUNH -WUN, Ba-

g , 5WI a a22W5ea BHa35 H 2I UN3Ba-Wa 4 3HN3aN5B-5UHNW W3e 5e-51HW5 BHa35 4 3HN3aN5B-5UHNW H 2I a 3aaI g W

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN 4 3HN3aN5B-5UHNW 5e-5a 3aaI g W ea 1H5aN5U-2U 1-35WHX5ea BHa35HN 4 3HN3aN5B-5UHNW-BaIUW WaaI UN5ea B-X5STR-51-/a -NI UN5ea MUN-2STR-51-/aW 5H -NI

T 1-35 BEHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

MUNIUNWESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

3 U5U-5UHN a-WBaW ea BHa35 U22UN3HBHBa5a U5U-5UHN a-WBa g UN4a35UHN HX5ea B-X5STR eU3e U22 aNWBa5e-5 NUg aW5aBN-NN-22 ap-2-5a U1-35WHX5ea BHa35 HN 4 3HN3aN5B-5UHNWUN5ea4-N aBN-BUNH -WN, Ba- -NI IUBa35 BHa35 -5aBWBa-IUN 5H5ea a 5aN5Xa-WU2a5HBaI 3a WUNUX3-N5 4U1-35WUpaNa UW5UN UNXB-W5B35 Ba-NI 3HNWW5aN5 U5e aa5UN H5eaB-WN -N-/a aN5H a35UpaW ea BHa35 U22-2WUN3HBHBa5a , Wa1-/a HX5ea MDN-2STR eU3e Ba UBaW NUg aW5aBN5H - a-N-25aBN-5Upa -5aBW112 -p-U2- 2a5H1-B5daW-Xa35aI 3HN5- UN-5aI a22W5H 5ea a 5aN5-NI XHB5ea I B-5UHN5e-55ea 3HN5- UN-5UHNUW3- WaI BHa35HIaB-5UHNWHB1BHpUa5Ba-5 aN5XHB-Xa35aI a22W-5 NUg aW5aBN WIUW5Ba5UHN ea-25aBN-5Upa W112 HB5Ba-5 aN5XHB -Xa35aI a22W U22 a -Ia-p-U2- 2a XHB-225U aW eaN1aB5UNaN5 -5aB -25 W5-NI-B W-Ba a 3aaIaI -W- BaW25HX5ea BHa35

I MDNIUN W, WNH5aI - Hpa NUg aW5aBN U22-NN-22 ap-2-5a U1-35WHX5ea BHa35HN 4 3HN3aN5B-5UHNW-NI IUBa35 BHa35 -5aBWBa-IUN 5H5ea a 5aN5Xa-WU2a/UpaNa UW5UN UNXB-W5B35 Ba , 2eH/e IUBa35UN BHa35 -5aBWBa-IUN U22BaI 3a 4 3HN3aN5B-5UHNW5eaBa - a WeHB51aBBH1WHX5U a eaNWUNUX3-N5 U1-35WBa -UN g eaBa3HN5- UN-5UHNa UW5WIaWU5a5eUW a-WBa NUg aW5aBN U221BHpUa-N-25aBN-5Upa -5aBW112 5H1-B5daW -Xa35aI 3HN5- UN-5aI a22W H apaB5eaBa UWW522-NU1-35 5H5ea a22W5e-5 H21 a3HNWUaBaI WUNUX3-N5-NI N-pHU- 2a

-5-Ia1U35aI UN ea -5U3 MU Ba WeH W5e-5apaN U5e U12a aN5-5UHNHX , 5eaBa U223HN5UN a5H a WUNUX3-N5aXa35WHX5ea BHa35HN 4 3HN3aN5B-5UHNW ea UNIUpU -2BaWHNWa5H-3H aN5 5ea a1-B5 aN5HX H U3 4 W5-N3aW HN5BH2 4 HN1-/a HX5ea MDN-2STR -W UN3HNWW5aN5 U5e 5ea MDN-2STR W ea -5U3 BaWHNWa eU3e HXBaBaI - BH-IaBIUW5 WWHNHX5eaWa aXa35W RaWHNWa5H 3H aN5 4 -W5eaBaXHBa UNaBBHB ea XBW5X221-B/B1e HX5e-5BaWHNWa WeH21 Ba-I 3e-N/aWUNW5BUa5eBH/e NIaB2UNa XHB

4aa ea -5U3 RaWHNWa Wa35UHN U5U-5UHN a-WBa , U22 a-1121aI 5H-pHU-NI 2U U5-IpaBWa12 a Hpa aN5W MB5eaB -WaI HN3H aN5WBa3aUpaI I BUN BapUa HX5ea B-X5STR NUg aW5aBNe-pa Iapa2HIaI -II U5UHN-2 U5U-5UHN a-WBaWIaWUNaI 5H-pHU WUNUX3-N5U1-35WBa2-5aI 5H-IpaBWa12 a Hpa aN5 Wa a2H H apaB UN-II U5UHN5H -112 UN 5eUW U5U-5UHN a-WBa5H12 a Hpa aN5W NUg aW5aBN1BHIHWa-112 UN , 5H 4-NI NU5B5a U1-35W-55BU 5-2a5H5ea BHa35 Wa Wa35UHN HX5ea B-X5 STR eUWUWX B5eaBIa5-U2aI UN Wa35UHN HX5eUWMDN-2STR

MDNIUN WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

g U5e -IHl5UHNHX , U 1-35WBa2-5aI 5H-IpaBW-12 a -Hpa aN5- 4 -NI NJB5aW H 2I a 2aWW5e-NWUNJX3-N5 BaI 3aI 5W5U22WUNJX3-N5

TN-IIU5UHN 5ea Wa3UX3 3e-N/aW5H5ea STR 2W5aI UN5ea 5- 2a HN 1-/a -WI-B5HX BaWHNWa 5H3H aN5 4 WeH 2I H U5 5ea BapUWHN5H1-/a 2UNaW -NI 5ea BapUWHN5H1-/a 2UNaW

a HN32 WHN ea U 1-35HX5ea BHa35HNUN3Ba-WaI 4 3HN3aN5B-5UHNWUWWUNJX3-N5-NI N-pHU- 2a

g , 5WI a a22W BHa35 H 2I UN3Ba-WaI NJB5a 3HN3aN5B-5UHNWW3e 5e-51HW5 BHa35NJB5a 3HN3aN5B-5UHNW H 2I a 3aaI g W

- H5aN5U2T 1-35 ea BHa353H 2I BaW25UNNJB5a 3HN3aN5B-5UHNW 5e-5a 3aaI g W ea 1H5aN5U2U 1-35WHX5ea BHa35HN UN3Ba-WaI NJB5a 3HN3aN5B-5UHNW-BaIUW WaI UN5ea B-X5STR-5 1-/a -NI UN5ea MDN-2STR-51-/aW 5eBH/e -NI -51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U22 WUNJX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB5a U5U-5UHN a-WBa g UN4a35UHN HX5ea B-X5STR-NI 1-/a HX5ea MDN-2STR eU3e U22aNWBa5e-5 NUg aW5aBN -NN-22 ap-2-5a U 1-35WHX5ea BHa35HNNJB5a 3HN3aN5B-5UHNW UN5ea 4-N aBN-BIUNH -WUN, Ba- -NI IUBa35 BHa35 -5aB WBa-IUN 5HBaI 3a NJB5a U 1-35W5H5ea a 5aN5Xa-WU2a/UpaN a UW5UN UNX3-W5B35 Ba-NI 3HNWW5aN5 U5e aa5UN H5eaB -WUN -N-/a aN5H a35UpaW ea BHa35 U22-2WIUN3HBIHB5a , eU3e Ba UBaW NUg aW5aBN5H - a-N-2SaBN-5Upa -5aB W112-p-U2- 2a 5H1-B5daW-Xa35aI 3HN5- UN-5aI a22W5H5ea a 5aN5-NI XHB5ea I B-5UHN5e-55ea 3HN5- UN-5UHNUW3- WaI BHa35HIaB-5UHNWHB1BHpUa 5Ba-5 aN5XHB-Xa35aI a22W-5 NUg aW5aBN WIUW5Ba5UHN ea-2SaBN-5Upa W112 HB5Ba-5 aN5XHB -Xa35aI a22W U22 a -Ia-p-U2- 2a XHB-225U aW eaN1aB5UNaN5 -5aB -215 W5-NI-BIW-Ba a 3aaIaI -W- BaW25HX5ea BHa35

I MDNIUN W, WNH5aI - Hpa NUg aW5aBN U22-NN-22 ap-2-5a U 1-35WHX5ea BHa35HNNJB5a 3HN3aN5B-5UHNW-NI IUBa35 BHa35 -5aBWBa-IUN 5H5ea a 5aN5Xa-WU2a/UpaNa UW5UN UNX3-W5B35 Ba , 2eH/e IUBa35UN BHa35 -5aBWBa-IUN U22BaI 3a NJB5a 3HN3aN5B-5UHNW5eaBa - a WeHB51aBUHIWHX5U a eaNWUNJX3-N5 U 1-35WBa -UN g eaBa 3HN5- UN-5UHNa UW5WIaWU5a 5eUW a-WBa NUg aW5aBN U221BHpUa -N-2SaBN-5Upa -5aBW112 5H1-B5daW -Xa35aI 3HN5- UN-5aI a22W H apaB5eaBa UWW5U22-NU 1-35

MDNIUN WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

5H5ea a22We-5 H 21 a 3HNWUaBaI WUNUX3-N5-NI N-pHU- 2a

-5- Ia1U35aI UN ea -5U3 MU Ba WeH W5e-5apaN
U5e U 12a aN5-5UHNHX , 5eaBa U223HN5UN a5H a
WUNUX3-N5aXXa35WHX5ea BHa35HNNU5B-5a 3HN3aN5B-5UHNW ea
UNIUpUU -2BaWHNWa5H-3H aN5 5ea a1-B5 aN5HX H U3
4 W5-N3aW HN5BH2 4 HN1-/a HX5ea MDN-2STR -W
UN3HNWW5aN5 U5e 5ea MDN-2STR W ea -5U3 BaWHNWa eU3e
HXXaBaI - BH-IaBIUW WWHNHX5eaWa aXXa35W RaWHNWa5H
3H aN5 4 -W5eaBaXHBa UNaBBHB ea XBW5X221-B-/B-1e
HX5e-5BaWHNWa WeH 21 Ba-I 3e-N/aWUNW5BUa5eBH/e NIaB2UNa
XHB

4aa ea -5U3 RaWHNWa Wa35UHN U5U-5UHN a-WBa
, U22 a-1121dI 5H-pHU -NI 2U U5-IpaBWa12 a
Hpa aN5W MIB5eaB -WaI HN3H aN5WBa3aUpaI I BUN BapUa
HX5ea B-X5STR NUg aW5aBNe-pa Iapa2HIaI -IIU5UHN-2
U5U-5UHN a-WBaWIaWUNaI 5H-pHU WUNUX3-N5U 1-35WBa2-5aI
5H-IpaBWa12 a Hpa aN5 Wa a2H H apaB UN-IIU5UHN5H
-112 UN 5eUW U5U-5UHN a-WBa 5H12 a Hpa aN5W
NUg aW5aBN1BHIHWa-112 UN , 5H 4 -NI N5B-5a
U 1-35W-55BU 5- 2a 5H5ea BHa35 Wa Wa35UHN HX5ea B-X5
STR eUWUWX B5eaBIa5-U2aI UNWa35UHN HX5eUWMDN-2STR
g U5e -IHI5UHNHX , U 1-35WBa2-5aI 5H-IpaBWa12 a
Hpa aN5 4 -NI N5B-5aW H 21 a 2aWW5e-N-WUNUX3-N5
BaI 3aI 5W522WUNUX3-N5

TN-IIU5UHN 5ea Wa3UX3 3e-N/aW5H5ea STR 2W5aI UN5ea 5- 2a HN
1-/a -WI-B5HX BaWHNWa5H3H aN5 4 WeH 21 H U5
5ea BapUWHN5H1-/a 2UNaW -NI 5ea BapUWHN5H1-/a
2UNaW

a HN32 WHN ea U 1-35HX5ea BHa35HNNU5B-5a 3HN3aN5B-5UHNWUW
WUNUX3-N5-NI N-pHU- 2a

C. GEOLOGY, SOILS, MINERAL RESOURCES

BHa35 1aB5UHN-NI -UN5aN-N3a

- 4-N5-, N-RUpaB HNWSB35UHN, Ba-

S 25UI2a X-25WUN5ea 4-N5-, N-RUpaB3HNWSB35UHN, Ba-UN32 IUN 4-N, NIBa-WM-25 3H 2I 1BHI 3a WSBHN WaUW U3/BH NI We- UN 5e-5 H 2I a 1HWa BHa35Ba2-5aI WSB35 BaW5HW W5-N5U2-IpaBWa aXXa35W

- H5aN5U2T 1-35 ea BHa353H 2I BaW25UN-IpaBWa aXXa35W5H BHa35Ba2-5aI WSB35 BaWBaW25UN XBH WaUW U3/BH NI We- UN ea 1H5aN5U2U 1-35WHX5ea BHa35HNWSB35 BaW3- WaI WSBHN WaUW U3/BH NI We- UN 1BHI 3aI 25UI2a X-25WUN5ea 4, R HNWSB35UHN, Ba- -Ba IUW WaI UN5ea B-XSSTR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN a-WBaW S S -NI S UNWa35UHN HX5ea B-XSSTR eU3e U22aNWBa5e-5 NUg aW5aBN U22U 12a aN5WaUW U3 Ba2-5aI Ba3H aNI-5UHNW3HN5-UNaI UN-W5a Wa3UX3/aH5a3eN3-2Ba1HB55H UNU Ua WaUW U3-22 UNI 3aI I- -/a 5H5ea 1Ua2UNa UNW5-22- -5aBX2H We 5HXX a3e-NUW -5 5ea 2 N/a HH2 Ua2UNa TN5- a 45B35 Ba 5H5aB UN-5a X2H XH2H UN/ -2-B/a a-B5e - a UN5ea pU3UN5 HX5ea W5a -NI 3H 12a5a a aB/aN3 Ba1-UB5H5ea 1Ua2UNa -NI Ba2-5aI X-3U25UaWUN 5ea apaN5HXWaUW U3-22 UNI 3aI I- -/a

I MUNI UN/W SpaN U5e 5ea U 12a aN5-5UHN HX S S -NI S UN3H UN-5UHN U5e 5ea U 12a aN5-5UHN HX S -NI S 25UI2a X-25WUN5ea 4-N5-, N-RUpaB HNWSB35UHN, Ba- UN32 IUN/5ea 4-N, NIBa-WM-25 HNa 3H 2I 1BHI 3a WSBHN/WaUW U3/BH NI We- UN/5e-53H 2I BaW25UN W W5-N5U2-NI N-pHU- 2a I- -/a 5H BaaNWH5RH-I 5ea HNWaBp-5UHN UWSB35 Ua2UNa -NI 5ea 4-N5-, N-RUpaB BHWUN/ Ua2UNa, N Ba -UNUN/UNI UBa35U 1-35W U22 a WUNUX3-N5-NI N-pHU- 2a

a HN32 WBHN ea 1H5aN5U2U 1-35HX5ea BHa35HNWSB35 BaW -WWBU-5aI U5e WaUW U3/BH NI We- UN/UWWUNUX3-N5-NI N-pHU- 2a

S 4aUW U3-22 UNI 3aI 2U aX-35UHNUN5ea 4-N5-, N-RUpaB HNWSB35UHN, Ba- 3H 2I BaW25UN 1Ua2UNa I- -/a -NI HBX-U2 Ba

MUNI UN/WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN BHa35Ba2-5aI 1UIa2DNaI- -/a-NI HBX-U2 Ba UN5ea apaN5HXWaUW U3-22 UNI 3aI 2U aX-35UHN ea 1H5aN5U-2U 1-35WHX5ea BHa35HN1UIa2DNaW-Ba IUW WaI UN5ea B-X5STR-51-/a -NI UN5ea MDN-2STR-5 1-/aW 5eBH/e

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBaW ea BHa35 U22UN3HBHBHB-5a U5U-5UHN a-WBaW S S S S S -NI S UN4a35UHNW -NI -NI -NI HX5ea B-X5STR eU3e-BaIaWUNaI 5H BaI 3a2U aX-35UHN Ba2-5aI U 1-35W S Ba UBaW-WaI U aN5-5UHN-NI aBHWUHN3HN5BH212-N S Ba UBaW5e-5 NUg aW5aBNIUBa355ea 3HN5B-35HB5HUNW5-22aNaB IUWWI-5UHN IapU3aW-5IUW5e-B/a 1HUN5W5H1BapaN5aBHWUHN S UNpH2paW5ea U 12a aN5-5UHNHXBa3H aNI-5UHNWaW5-2UWaI UN-W5a Wa3UX3/aH5a3eN3-2Ba1HB5 S Ba UBaW5ea U 12a aN5-5UHNHXWaUW U3 Ba2-5aI Ba3H aNI-5UHNWUN5ea W5a Wa3UX3/aH5a3eN3-2Ba1HB5 S Ba UBaWUNW5-22-5UHNHX--5aBXH W5HXX a3e-NUW-55ea 2N/a HH2 UIa2DNa TN5-a 45B35Ba5H5aB UN-5aXH U aIU-5a2-X5aB-2-B/aa-B5e -a -NI S UNpH2paW5ea 3H 12a5UHNHXa aB/aN3 Ba1-UBW5H 5ea 1UIa2DNa UN5ea apaN5HXWaUW U3-22 UNI 3aI I- -/a

I MDNI UNW W4aUW U3-22 UNI 3aI 2U aX-35UHN UN5ea 4-N5-,N-RUpaB HNW5B35UHN, Ba-3H 2I BaW25UN1UIa2DNaI- -/a-NI HBX-U2 Ba ea U5U-5UHN a-WBaW2UW5aI- Hpa-BaIaWUNaI 5H1BHpUIa aBHWUHN3HN5BH2-11BH1BU5a WaUW U3IaWUN-NI UNW5-22-5UHNHX--5aBXH W5HXX a3e-NUW 5e-5 U22aNWBa5e-5 -5aBXH 3a-WaW-NI 5e-5a aB/aN3 Ba1-UBW-Ba3H 12a5aI UN5ea apaN5HX X-U2 Ba SpaN U5e 5ea U 12a aN5-5UHNHX5eaWa U5U-5UHN a-WBaWW W5-N5U-2I- -/a - W5U22HB3 B5HIH NW5Ba-W5B35 BaWUN5ea apaN5HX-2-B/a WaUW U3apaN5 eaBaXHBa U 1-35W Ba -UNWUNUX3-N5-NI N-pHU-2a

a HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN1UIa2DNaW I BUN -2-B/a WaUW U3apaN5UWWUNUX3-N5-NI N-pHU-2a

apU2 -N HN HNW5B35UHN, Ba-

S 25UI2a X-25WUN5ea apU2 -N HN3HNW5B35UHN, Ba-UN32IUN 4-N, NIBa-WM-25 3H2I 1BHI 3a W5BHN WaUW U3/BH NI We- UN 5e-5 H2I a 1HWa W5B35 BaW5HW W5-N5U-2-IpaBWaXXa35W

- H5aN5U-2T 1-35 ea BHa353H2I BaW25UN-IpaBWaXXa35W5H W5B35 BaWBaW25UN XBH WaUW U3/BH NI We- UN ea 1H5aN5U-2

MDNI UNW WESTR XHB4-N5-,N-RUpaBg-5aBRUe5, 1123-5UHNW -Bse

Tg S4 SR S T T -/a

U 1-35WHX5ea BHa35HNWBB35 BaWUWUW WaI UN5ea B-X5STR-5
1-/aW -NI

T 1-35 BHBB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN
a-WBaW S S -NI S UNWa35UHN
HX5ea B-X5STR eU3e U22aNWBa5e-5 NUg aW5aBN
U22U12a aN5WaUW U3 Ba2-5aI Ba3H aNI-5UHNW3HN5-UNaI UN-
W5a Wa3UX3/aH5a3eN3-2Ba1HB55H UNU Ua WaUW U3-22 UNI 3aI
I- -/a5H5ea1Ua2UNa UNW5-22- -5aBX2H We 5HXX a3e-NUW-5
5ea 2N/a HH2 Ua2UNa TN5- a45B35 Ba5H5aB UN-5a X2H
XH22H UNV -2-B3a a-B5e - a UN5ea pU3UN5 HX5ea W5a -NI
3H 12a5a a aB3aN3 Ba1-UB5H5ea1Ua2UNa-NI Ba2-5aI X-3U25UaWUN
5ea apaN5HXWaUW U3-22 UNI 3aI I- -/a

I MUNI UNV W SpaN U5e 5ea U12a aN5-5UHNHX S
S -NI S UN3H UN-5UHN U5e 5ea U12a aN5-5UHN
HX S -NI S H5e5ea Na-B 4-N, NI Ba-W
M-25-NI H5eaB HBa IUW5-N5-35upa X-25W-Ba3-1- 2a HX1BHI 3UNV
WUNUX3-N5/BH NI We- UNV -55ea3HNWBB35UHN-Ba- eU3e3H 21
a 1HWa BHa35WBB35 BaW5HW W5-N5U-2IUpaBWaXXa35WapaN U5e
5ea U12a aN5-5UHNHX HIaBNaN/UNaaBUNV -NI 3HNWBB35UHN
1B-353aW, N Ba -UNUNV UNI UBa35U1-35W U22 a WUNUX3-N5-NI
N-pHUU- 2a

a HN32 WUHN ea 1H5aN5U-2U1-35HX5ea BHa35HNWBB35 BaW
-WW5BU-5aI U5e WaUW U3/BH NI We- UNV UWWUNUX3-N5-NI
N-pHUU- 2a

3 52a Baa HNWBB35UHN, Ba-

S 25U2aX-25WUN5ea4-N5-, N-RUpaB3HNWBB35UHN, Ba-
UN32IUNV 4-N, NI Ba-WM-25 3H 21 1BHI 3a W5BHNV WaUW U3/BH NI
We- UNV 5e-5 H21a 1HWa WBB35 BaW5HW W5-N5U-2-IpaBWaXXa35W

- H5aN5U-2T 1-35 ea BHa353H21 BaW25UN-IpaBWaXXa35W5H
WBB35 BaWBaW25UNV XBH WaUW U3/BH NI We- UNV ea 1H5aN5U-2
U1-35WHX5ea BHa35HNWBB35 BaWUWUW WaI UN5ea B-X5STR-5
1-/aW -NI

T 1-35 BHBB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN
a-WBaW S S -NI S UNWa35UHN
HX5ea B-X5STR eU3e U22aNWBa5e-5 NUg aW5aBN
U22U12a aN5WaUW U3 Ba2-5aI Ba3H aNI-5UHNW3HN5-UNaI UN-

MUNI UNV WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

W5a Wa3UX3 / aH5a3eN3-2Ba1HB5 ea Ba3H aN1-5UHNW U22
UNU Ua WaUW U3-22 UN1 3aI I- -/a 5H5ea 1Ua2DNa Ba UBa
UNW5-22-5UHNHX- -5aBX2H We 5HXX a3e-NUW -55ea 2 N/a HH2
Ua2DNa TN5- a 45B 35 Ba 5H5aB UN-5a X2H X42H UN/ -2-B3a
a-B5e - a UN5ea pU3UN5 HX5ea W5a -N1 Ba UBa 3H 12a5UHNHX
a aB3aN3 Ba1-UB5H5ea 1Ua2DNa -N1 Ba2-5aI X3U25UaWUN5ea apaN5
HXWaUW U3-22 UN1 3aI I- -/a

I MDN1 UN/ W SpaN U5e 5ea U 12a aN5-5UHNHX S
S -N1 S UN3H UN-5UHN U5e 5ea U 12a aN5-5UHN
HX S -N1 S 25U2a X- 25WUN5ea 4-N5-, N-
RUpaB HNW5B 35UHN, Ba- UN32 IUN/ 5ea 4-N, N1Ba-WM4- 25 HNa
3H 21 1BH1 3a W5BHN/ WaUW U3 / BH N1 We- UN/ 5e-53H 21 BaW25UN
W W5-N5-U2I- -/a 5H BaaNWH5RH-I 5ea HNWaBp-5UHN UW5B35
Ua2DNa -N1 5ea 4-N5-, N- RUpaB BHWUN/ Ua2DNa , N
Ba -UNUN/ UN1 UBa35U 1-35W U22 a WUNUX3-N5-N1 N-pHU- 2a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNW5B 35 BaW
-WW5U-5aI U5e WaUW U3 / BH N1 We- UN/ UWWUNUX3-N5-N1
N-pHU- 2a

I 4-N aBN-B1UNH -WUN, Ba-

S U/e / BH N1 -5aB3HN1U5UHNW3H 21 HB3 BUN5ea pU3UN5 HX
apU2 -N HN 52a Baa -N1 U22 Baa 2HB-5aI UN5ea XHBa - HX5ea
4-N aBN-B1UNH -WUN, Ba-

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UNeU/e / BH N1 -5aB
3HN1U5UHNWUN5ea 4 , ea 1H5aN5U-2U 1-35WHX5ea BHa35HN
5ea 2apa2HX/ BH N1 -5aB-BaIUW WaI UN5ea B-X5STR-51-/a
-N1 UN5ea MDN-2STR-51-/aW 5H

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN
a-WBa S UN4a35UHN HX5ea B-X5STR eU3e
U22Ba UBa 5e-5 NUg aW5aBNU 12a aN5-/BH N1 -5aB2apa2
HN5HBUN/ 1BH/B WUN/ I-5-XBH TN1a g a22WMU Ba UN
5ea B-X5STR eUWUNXHB-5UHN U22 a WaI UN3HN N35UHN U5e
XHBa3-W5WHX/BH N1 -5aB2apa2W1aBUpaI XBH NUg aW5aBN
UN5a/B-5aI WBX3a-N1 /BH N1 -5aB HIa2W5HUIaN5UX 5BaN1WUN
/BH N1 -5aB2apa2W-N1 UIaN5UX 3e-N/aW1UBa352 -5BU 5- 2a 5H5ea
BHa35 H5ea a 5aN5Xa-WU2a / UpaNa UW5UN/ UNX3-W5B35 Ba -N1
3HNWW5aN5 U5e aa5UN/ H5eaB-WUN -N-/a aN5H a35UpaW
NUg aW5aBN U22IUBa35 BHa35 -5aBWBa-IUN/ 5H2U U5eU/e
/BH N1 -5aB3HN1U5UHNWUN5ea pU3UN5 HX apU2 -N HN 52a
Baa U22 Baa -N1 -Ba-WUN5ea XHBa - -N1 UN5aB aIU-5a-Ba- HX

MDN1 UN/ WESTR XHB4-N5-, N- RUpaBg -5aBRU/e5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

5ea 4 ,

I MDN UNW ea U 12a aN5-5UHN HX- / BH NI -5aB2apa2 HN5HBDN
1BH/B U22 2U U5eU/e / BH NI -5aB3HNI U5UHNW 5-55U aW
I BDN BHa35 H1aB-5UHNW/ BH NI -5aB3HNI U5UHNW - W5U22 HB3 B
U5eUN Xaa5HX5ea / BH NI WBX3a , N Ba -UNUN/ U 1-35W U22
a WUNUX3-N5-NI N-pHUU- 2a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN/ BH NI -5aB
2apa2WUWWUNUX3-N5-NI N-pHUU- 2a

S BHa35 Ba2-5aI / BH NI -5aB2apa2W U5eUN5ea UN5aB aI U-5a
-Ba- HX5ea 4-N aBN-B UNH -WUN, Ba- H 21 2HB-22 B5Wa U5eUN- Ia15e HX
Xaa5HX5ea / BH NI WBX3a

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UN- B5Wa HX/ BH NI -5aB
2apa2WUN5ea 4 , ea 1H5aN5U-2U 1-35WHX5ea BHa35HN2HB-2
/ BH NI -5aB2apa2W-Ba I UW5 WaI UN5ea B-XSSTR -51-/aW
-NI -NI UN5ea MDN-2STR -51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBH HB-5a U5U-5UHN
a-WBa S UN4a35UHN HX5ea B-XSSTR eU3e
U22Ba UBa5e-5 NUg aW5aBN U 12a aN5- / BH NI -5aB2apa2
HN5HBDN 1BH/B WUN I-5- XBH TNIa g a22WMU Ba UN
5ea B-XSSTR eUWUNXHB -5UHN U22 a WaI UN3HN N35UHN U5e
XHBa3-W5WHX/ BH NI -5aB2apa2WIaBpaI XBH NUg aW5aBN
UN5a/B-5aI WBX3a -NI / BH NI -5aB HIa2W5HUaN5UX 5BaNI WUN
/ BH NI -5aB2apa2W-NI UaN5UX 3e-N/aWI UBa352 -5BU 5- 2a5H5ea
BHa35 H5ea a 5aN5Xa-WU2a / UpaNa UW5UN UNXB-W5B 35 Ba -NI
3HNWUW5aN5 U5e aa5UN/ H5eaB -WUN -N-/a aN5H a35UpaW
NUg aW5aBN U22IUBa35 BHa35 -5aBWBa-IUN/ 5H2U U5eU/e
/ BH NI -5aB3HNI U5UHNWUN5ea pU3UN5 HX apU2 -N HN 52a
Baa U22 Baa -NI -Ba-WUN5ea XHBa - -NI UN5aB aI U-5a -Ba- HX
5ea 4 ,

I MDN UNW ea U 12a aN5-5UHN HX- / BH NI -5aB2apa2 HN5HBDN
1BH/B U22 2U U5eU/e / BH NI -5aB3HNI U5UHNW, 25eH/e -5aB
2apa2W H 21 B5Wa NIaB5ea BHa35 2apa2W H 21 1BaI H UN-5a2
Ba -UN-5- Ia15e / Ba-5aB5e-N Xaa5 a2H 5ea / BH NI WBX3a -NI
BHa35 Ba2-5aI / BH NI -5aB2apa2W H 21 HW52 BaW25UN2aW5e-N
WUNUX3-N5-NI aNaX3U-2U 1-35W H apaB 2HB-2UaI W-22H
/ BH NI -5aB3HNI U5UHNW3H 21 BaW25UNWUNUX3-N5U 1-35W, N
Ba -UNUN/ U 1-35W U22 a WUNUX3-N5-NI N-pHUU- 2a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN/ BH NI -5aB

2apa2WUWWUNUX3-N5-NI N-pHU- 2a

S 4 WUaN3a B-5aWUNa 3aWWHX X5 B H 2I HB3 BUN5ea BaWWBa HNa XBH g 5Hg

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UNW WUaN3a B-5aWUN a 3aWWHX X5 BUN5ea BaWWBa HNa XBH g 5Hg ea 1H5aN5U-2U 1-35WHX5ea BHa35HN5ea BaWWBa HNa Ba2-5aI 5HW WUaN3a B-5aWXBH g 5Hg -Ba IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB-5a U5U-5UHN a-WBa S IUW WaI UN4a35UHN HX5ea B-X5 STR eU3e U22aNWBa5e-5 NUg aW5aBN U22U12a aN5-/BH NI -5aB2apa2 HN5HBUN 1BH/B- -NI IUBa35 BHa35 -5aB WBa-IUN 5H2U U51H5aN5U-2XHBW WUaN3a UN5ea BaWWBa HNa -Ba- HX5ea 4 , ea 1BH/B- U22 aU12a aN5aI WUN I-5-XBH TNIa g a22WMU Ba HX5ea B-X5STR ea UNXHB-5UHN U22 a WaI UN3HN N35UHN U5e XHBa3-W5WHX/BH NI -5aB2apa2W IaBUpaI XBH NUg aW5aBN UN5a/B-5aI WBX3a-NI /BH NI -5aB HIa2W5HUaN5UX 5BaNI WUN/BH NI -5aB2apa2W-NI UW2-5a 3e-N/aW -55BU 5- 2a 5H5ea BHa35 H5ea a 5aN5Xa-WU2a/UpaNa UW5UN UNXB-W5B35 Ba -NI 3HNWW5aN5 U5e aa5UN H5eaB-WUN -N-/a aN5H a35UpaW NUg aW5aBN U22IUBa35 BHa35 -5aB WBa-IUN 5H2U U51H5aN5U-2XHBW WUaN3a UN5ea BaWWBa HNa -Ba- HX5ea 4 ,

I MUNIUN/W, 25eH/e-X22UN/BH NI WBX-3a a2ap-5UHN H2I 5-a 12-3a NIaB H BHa35-NI BHa353HNIU5UHNW/Ba-5aBW WUaN3a H2I HB3 B NIaB BHa353HNIU5UHNW-5-B-5a a 3aaIUN/ WUNUX3-N3a 3B5aBU-, 25eH/e 5ea U12a aN5-5UHN HX a-WBaW5H IUpaB5 -5aBW112aW5H -B W WUaN3a 1BHNa-Ba-W U22BaI 3a 5ea U1-35WW WUaN3a - W5U22HB3 B-5-B-5a UNa 3aWWHX5ea WUNUX3-N3a 3B5aBU-, N Ba -UNUN/U1-35W-Ba WUNUX3-N5-NI N-pHU- 2a

a HN32 WUHN ea 1H5aN5U-2U1-35HX5ea BHa35HNW WUaN3a UN 5ea BaWWBa HNa-Ba- UWWUNUX3-N5-NI N-pHU- 2a

D. AIR QUALITY

BHa35 HNW5B35UHN

- 4apaN - W - -NI RaWBpHUB4-N5-, N-RUpaB apU2 -N HN-NI 52a Baa HNW5B35UHN, Ba-W

MUNIUN/WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

, S UWWHNWXBH 3HNWB 35UHN-35pU5aW H 21 a 3aaI I-U2
-NI 3-2aNI-B -B5aB4 , a UWWHNWWUNUX3-N3a 5eBaWeH21WXHB
R -NI

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UNa 3aaIaN3aWHX
4 , a UWWHNWWUNUX3-N3a 5eBaWeH21WXHBR -NI
ea 1H5aN5U-2U 1-35WHX5ea BHa35HN-UB -215 XHBR
-NI a UWWHNW-BaIUW WaI UN5ea B-X5STR-51-/a

T 1-35 BHBH5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB-5a U5U-5UHN
a-WBaW , -NI , UN4a35UHN HX5ea
B-X5STR eU3e U22Ba UBa NUg aW5aBN5HaN3H B-/a 5ea
3HN5B-35HB5H Wa a 2WXdaI IUaWa2Xa2UN3HNWB 35UHNa UI aN5
eaBa Xa-WU2a-NI aN3H B-/a 5ea 3HN5B-35HB5H Wa 5ea Na aW5
IUaWa21H aBaI a UI aN5-p-U2-2a WaHX5eUW-25aBN-5upa IUaWa2
Xa2 H21 BaI 3a a UWWHNW 1aB3aN5XBH 3HNpaN5UHN-2
IUaWa2

I MUNUNW ea WaHXa 2WXdaI IUaWa2Xa2UN-221BH1HWaI
3HNWB 35UHNa UI aN5 H21 W W5-N5U-22 BaI 3a - U I-U2
a UWWHNWHX-22HX5ea 1H22 5-N5W H apaB a UWWHNWHXR
-NI H21 W5U22a 3aaI 4 , 5eBaWeH21W-NI
5eaBaXHBa Ba -UNWUNUX3-N5-NI N-pHU-2a NUg aW5aBNe-pa
a2U UN-5aI XBH 5ea BHa355ea Ba2HB-5UHNHX- U2a Wa35UHNHX5ea
4 S-33aWWBH-I -UB -215 U1-35WXBH 5eUWa2a aN5IUW WaI
UN5ea B-X5STR U225eaBaXHBa NH2HNaBH33 B ea a2U UN-5UHNHX
5ea 1W5Ba- Ba2HB-5UHNHX5ea 4 S-33aWWBH-I -W- BHa35
a2a aN5 H21 2aWaNT 1-35, 5U5 H21 Ba -UNWUNUX3-N5
-NI N-pHU-2a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNa UWWHNWHX
R -NI UWWUNUX3-N5-NI N-pHU-2a

E. CULTURAL AND PALEONTOLOGICAL RESOURCES

BHa35 HNWB 35UHN

- 4-N5-, N-RUpaB HNWB 35UHN, Ba-

R HNWB 35UHNHX5ea 2N/a HH2 Ua2UNa e-WaT H21 3- Wa-
W W5-N5U-2-IpaBWa 3e-N/a UN5ea WUNUX3-N3a HX5ea MB-N3UW 552a g aUB
- -1H5aN5U-22 WUNUX3-N5eUW5HB3-2BaWH B3a-WIaXUaI UNWa35UHN
HX S ,

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN-N-IpaBWa 3e-N/a UN 5ea WUNUX3-N3a HX5ea MB-N3UW 552a g aUB - - 1H5aN5U-22 WUNUX3-N5eUWSHB3-2BaWI B3a ea 1H5aN5U-2U 1-35WHX5ea BHa35 HN5ea MB-N3UW 552a g aUB - Ba2-5aI 5H e-WaT3HNWSB35UHN -35pU5daW-Ba IUW WaI UN5ea B-X5STR-51-/a

T 1-35 BUHB3H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBIHB-5a U5U-5UHN a-WBa R UN4a35UHN HX5ea B-X5STR eU3e U22aNWBa 5e-51BHIHWaI 3HNWSB35UHN U22-pHUJ 1e W3-2U 1-35W 5H5ea MB-N3UW 552a g aUB - 5H5ea a 5aN5Xa-WU2a TN5ea apaN5 5e-5-N 1HB5UHN HX5ea MB-N3UW 552a g aUB - H 2I a HIUXaI HBIa H2UWaI - -2UXaI -B3eU5a35 B-2eUWSHB-N U22 1Ba1-Ba - eUWSHB3-2Ba3HB1-5UHN HX5ea MB-N3UW 552a g aUB - UN 5ea 3HN5a 5HX5ea HNWaBp-5UHN UWSB35W BH NI -5aBWBa-IUW WW5a ea Ba3HB1-5UHN U223HNXHB 5H5ea W5-NI-B1WHXaU5eaB5ea UWSHB3, aB3-N U2IUN/W4-Bpa HB5ea UWSHB3, aB3-N SN/UNaaBUN/Ra3HB1

I MUNIUN/W TX1BHIHWaI 3HNWSB35UHNIa H2UWaWHB -5aBJ22 -NI -IpaBWa2 -25aBW5ea 1e W3-23e-B-35aBW5W3W5e-53HNpa 5ea eUWSHB3-2WUNUX3-N3a HX5ea MB-N3UW 552a g aUB - W5UX UN/ U5WUN32 WUHN HN HBa2U/UU2I5 XHBUN32 WUHN HN 5ea -2UXHBN-J Ra/UW5B-B U5 H 2I a-WUNUX3-N5U 1-35 a1aNIUN/HNXUN-2 aN/UNaaBUN/IaWUNWXHB5ea BHa35U5 - a Na3aWWB 5H Ia H2UW 5ea aN5UBa eUWSHB3 UN5- a W5B35 Ba-NI aUB S 5aNWpa H1UX3-5UHN HX5ea a UW5UN/UN5- a W5B35 Ba HB1e W3-2Ia H2I5UHN HX5ea aN5UBa UN5- a W5B35 Ba HB aUB H 2I U 1-UBHB3H 12a5a2 Ba Hpa 5ea Ba -UNUN/UN5-351HB5UHNWHX5ea MB-N3UW 552a g aUB - 4eHB5HX1BaWBp-5UHN -p-U2-2a U5U-5UHN a-WBaW U22 BaI 3a 5NH5a2U UN-5aU 1-35WHXIa H2I5UHN, N Ba -UNUN/U 1-35W U22 a WUNUX3-N5-NI N-pHUJ-2a

a HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN5ea MB-N3UW 552a g aUB - UWWUNUX3-N5-NI N-pHUJ-2a

R HNWSB35UHNHX 2N/a HH2 UIa2UNa H 2I 3- Wa-W W5-N5U-2 -IpaBWa 3e-N/a UNWUNUX3-N5HX5ea MB-N3UW 552a g aUB - - 1H5aN5U-22 WUNUX3-N5eUWSHB3-2BaWI B3a

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN-N-IpaBWa 3e-N/a UN 5ea WUNUX3-N3a HX5ea MB-N3UW 552a g aUB - - 1H5aN5U-22 WUNUX3-N5eUWSHB3-2BaWI B3a ea 1H5aN5U-2U 1-35WHX5ea BHa35 HN5ea MB-N3UW 552a g aUB - Ba2-5aI 5H e-WaTIT3HNWSB35UHN -35pU5daW-Ba IUW WaI UN5ea B-X5STR-51-/a

MUNIUN/WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

T 1-35 BHB5H U5U-5UHN H5aN5U-22 WUNUX3-N5

3 U5U-5UHN a-WBa ea BHa35 U22UN3HBHBHB5a U5U-5UHN a-WBa R UN4a35UHN HX5ea B-X5STR eU3e U22aNWBa5e-51BH1HWaI 3HNWSB35UHN U22-pHU1e W3-2U1-35W 5H5ea MB-N3UW 552ag aUB - 5H5ea a 5aN5Xa-WU2a TN5ea apaN5 5e-5-N 1HB5UHNHX5ea MB-N3UW 552ag aUB - H2I a HIUXaI HBIa H2UWaI - -2UXaI -B3eU5a35 B-2eUW5HB-UN U22 1Ba1-Ba - eUW5HB3-2Ba3HB3-5UHNHX5ea MB-N3UW 552ag aUB - UN 5ea 3HN5a 5HX5ea HNWaBp-5UHN UW5B35 W BH NI -5aBWBa-IUN WW5a ea Ba3HB3-5UHN U223HNXHB 5H5ea W5-NI-B3 WHXaU5eaB5ea UW5HB3, aB3-N U2IUN W4 Bpa HB5ea UW5HB3, aB3-N SN/UNaaBUN/ Ra3HB3

I MUNIUN/W TX1BH1HWaI 3HNWSB35UHNIa H2UWaWHB -5aB-U22 -NI -IpaBWa2 -25aBW5ea 1e W3-23e-B-35aBW5W3W5e-53HNpa 5ea eUW5HB3-2WUNUX3-N3a HX5ea MB-N3UW 552ag aUB - W5UX UN/ U5WUN32 WUHNHN HBa2UUU25 XHBUN32 WUHNHN 5ea -2UXHBNU Ra/UW5B-B U5 H2I a - WUNUX3-N5U 1-35 a1aNIUN/ HNXUN-2 aN/UNaaBUN/ IaWUNWXHB5ea BHa35 U5 - a Na3aWWB 5H Ia H2UWe5ea aN5UBa eUW5HB3 UN5- a W5B35 Ba-NI aUB S 5aNWUpa HIUX3-5UHNHX5ea a UW5UN/ UN5- a W5B35 Ba HB1e W3-2Ia H2U5UHN HX5ea aN5UBa UN5- a W5B35 Ba HB aUB H2I U1-UBHB3H 12a5a2 Ba Hpa5ea Ba -UNUN/ UN5-351HB5UHNWHX5ea MB-N3UW 552ag aUB - 4eHB5HX1BaWBp-5UHN-p-U2- 2a U5U-5UHN a-WBaW U22 BaI 3a 5NH5a2UUN-5a5ea U1-35WHXIa H2U5UHN

a HN32 WUHN ea 1H5aN5U-2U1-35HX5ea BHa35HN5ea MB-N3UW 552ag aUB - Ba2-5aI 5H e-Wa TTT3HNW5B35UHN-35pU5IaWUW WUNUX3-N5-NI N-pHU-2a

F. NOISE

BHa35 HNW5B35UHN

- 4-N5-, N-RUpaB HNW5B35UHN, Ba-

T HNW5B35UHNHX5ea 2N/a HH2 UIa2UNa3H2I a 1HWa BaWUaN5WNa-B BaaNWH5RH-I5HUN3Ba-WaWUN- UaN5NHUWa2apa2W a 1HB-B INUN3Ba-WaHX HBa5e-N I , 3H2I B-UWa5ea2apa2W5H HBa5e-N I ,

- H5aN5U-2T 1-35 ea BHa353H2I a 1HWaBaWUaN5WNa-B BaaNWH5RH-I5HUN3Ba-WaWUN- UaN5NHUWa2apa2W ea 1H5aN5U-2 U1-35WHX5ea BHa35HN- UaN5NHUWa2apa2WI a 5H3HNW5B35UHN HX5ea 2N/a HH2 UIa2UNa-BaIUW WaWI UN5ea B-X5STR-51-/a

a-WBaW T IUW WaI UN4a35UHN HX5ea B-X5
STR eU3e U22Ba UBa5ea BHa351BH1HNaN5W5HUaN5UX-
3HNWSB35UHNNHUWa HN5HB eH U22 aBaWHNWU2a XHBHpaBWaUW
5ea3HN5B-35HBWU12a aN5-5UHNHXNHUWa U5U-5UHN a-WBaW-NI
WaBpa-W-1HUN5HX3HN5-35XHBNHUWa3H 12-UN5W U5U-5UHN U22
2U U53HNWSB35UHN-35pU5UaW5H HNI- 5eBH/e MBU- a5 aaN
- -NI 1 H3HNWSB35UHN U22HB3 BHN aa aNI W
HBeH2U- W HUWa/aNaB-5UN 3HNWSB35UHNa UI aN5 U22 a2aWW
5e-N a-BWH2I HBUXH2IaB U22NH5/aNaB-5a eU/eaBNHUWa2apa2
5e-NNa 2H NHUWa/aNaB-5UN a UI aN5 HNWSB35UHN
a UI aN5 U22 a-33aWWHBUaI U5e5ea -N X-35BaBW
Ba3H aNIaI NHUWa-55aN-5UHNIapU3aWW3e-WWI NI XX2aBWHB
Wa2X-I W5UN -3 1-2-B W-NI a-11BH1BU-5a2 -UN5-UNaI TN
NHUWa WaNW5Upa-Ba-W5a 1HB-B NHUWa -BBaBW U22 a2HB-5aI
-BH NI eU/e NHUWa/aNaB-5UN a UI aN5 2-3a aN5HX
3HNWSB35UHNa UI aN5I BUN 5U aWHXH1aB-5UHN U225- a UN5H
-33H N55ea2HB-5UHNHXNHUWa WaNW5Upa Ba3a15HBWg eaBa NHUWa
2apa2W-Ba a 1a35aI 5H a eU/e -Ip-N3aI -BNUN UN B5UN U22 a
/UpaN5HBaWUaN5W U5eUN5ea pU3UN5 HX3HNWSB35UHN-35pU5UaW
UNU3-5UN 5ea a 1a35aI I B-5UHNHX5ea-35pU5UaW

3 MUNUN W HNWSB35UHNHX5ea 1BH1HWaI apU2 -N HN -WW
UIa2UNa H2I 2-W5-Xa HN5eW-NI 1BH1 3a-N-H5U3a- 2a NHUWa
U 1-355HBaWUaN3aW2HB-5aI 5H5ea aW5HX5ea 3HNWSB35UHN-Ba-
eaBa 5ea Na-BaW5eH WaUW-11BH U-5a2 Xaa5- - BUN
3HNWSB35UHN-35pU5UaWNHUWa2apa2W3H2I a-WeU/e-W I ,
I BUN 5ea 5BaN3eUN 1e-Wa , 2eH/e 5H1H/B-1eU3-2Xa-5 BaW-NI
Iapa2H1 aN5 -22W3H2I BaI 3a5ea NHUWa2apa2W5ea UN3Ba-Wa UN
NHUWa2apa2W H2I a 3aaI I -NI 3H2I 1H5aN5U-22 Ba-3e5ea
WUNUX3-N3a3B5aBUHNHX I , 11BH U-5a2 -IHaNeH WaW
H2I a HW5-XXa35aI 5eUW1-B5HX BHa353HNWSB35UHN , N
Ba -UNUN U 1-35W U22 a WUNUX3-N5-NI N-pHU- 2a

I HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35UWWUNUX3-N5-NI
N-pHU- 2a

3 52a Baa HNWSB35UHN, Ba-

T HNWSB35UHNHX5ea H aB 52a Baa -NI -35 W -WUNW
1UIa2UNaW3H2I 3Ba-5a NHUWa2apa2W-5Na-B BaWUaN3aWUNa 3aWWHX
I , -NI UN3Ba-Wa NHUWa2apa2W HBa5e-N I ,

- H5aN5U-2T 1-35 ea BHa353H2I 3Ba-5a UN3Ba-WaI NHUWa2apa2W
-5Na-B BaWUaN3aW ea 1H5aN5U-2U 1-35WHX5ea BHa35HNNHUWa
2apa2WBa2-5aI 5H3HNWSB35UHNHX H aB 52a Baa -NI -35 W
-WUNW UIa2UNaW-Ba IUW WaI UN5ea B-X5STR-51-/a

MUNUN WE STR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW
-Bse

Tg S4 SR S T T -/a

U5U-5UHN a-WBa ea BHa35 U22UN3HBHHB5a U5U-5UHN
a-WBaW T IUW WaI UN4a35UHN HX5ea B-X5
STR eU3e U22Ba UBa5ea BHa351BHIHNaN5W5HUaN5UX-
3HNWSB35UHNNHUWa HN5HB eH U22 aBaWHNWU2a XHBHpaBWaUN
5ea 3HNSB35HBWU12a aN5-5UHNHXNHUWa U5U-5UHN a-WBaW-NI
WaBpa-W-1HUN5HX3HN5-35XHBNHUWa 3H12-UN5W U5U-5UHN U22
2U U53HNWSB35UHN-35pU5UaW5H HNI-5eBH/e MBU- a5 aaN
- -NI 1 H3HNWSB35UHN U22HB3 BHN aa aNI W
HBeH2UU-W HUWa/aNaB-5UN 3HNWSB35UHNa UI aN5 U22 a2aWW
5e-N a-BWH2I HBUXH2IaB U22NH5/aNaB-5aeU/eaBNHUWa2apa2
5e-NNa 2H NHUWa/aNaB-5UN a UI aN5 HNWSB35UHN
a UI aN5 U22 a-33aWWBUaI U5e5ea -NX-35BaBW
Ba3H aNIaI NHUWa-55aN-5UHNIapU3aWW3e-WWH NI XX2aBWHB
Wa2X-I WSUN -3 1-2-B W-NI a-11BHIBU-5a2 -UN5-UNaI TN
NHUWa WaNW5Upa-Ba-W5a 1HB-B NHUWa -BBaBW U22 a2HB-5aI
-BH NI eU/e NHUWa/aNaB-5UN a UI aN5 2-3a aN5HX
3HNWSB35UHNa UI aN5I BUN 5U aWHXHIaB-5UHN U225-aUN5H
-33H N55ea2HB-5UHNHXNHUWa WaNW5Upa Ba3a15HBWg eaBa NHUWa
2apa2W-Ba a 1a35aI 5H a eU/e -Ip-N3aI -BNUN UN B5UN U22 a
/UpaN5HBaWUaN5W U5eUN5ea pU3UN5 HX3HNWSB35UHN-35pU5UaW
UNIU3-5UN 5ea a 1a35aI I B-5UHNHX5ea-35pU5UaW

3 MUNIUN W ea 3HNWSB35UHNHX5ea 1BHIHWaI H aB 52a Baa
UIa2UNa H2I NH5-IpaBWa2 U1-35NHUWa WaNW5Upa Ba3a15HBW ea
1BHIHWaI-2UN aN5HX5ea -35W-WUNW UIa2UNa eU3e UW2HB-5aI
UN5ea U5 HXRU-25H H2I a2HB-5aI UN UNIaN, paN a g aW5
4 U5, paN a aI-B, paN a g aW5 -W-2U-45Baa5-NI 41B3a
, paN a ea U5 HXRU-25He-W- HUWaS2a aN5UNU5W aNaB-2
2-N 5NHHBIUN-N3a e-W aaN1-WaI -IIBaWWUN 3HNWSB35UHN
NHUWa 45-5a S , / UIa2UNaWIBHpUIa5e-5-5a 1HB-B W W5-N5U-2
UN3Ba-Wa - a3HNWUaBaI WUNUX3-N5 , 2HN 5ea BH5aHX5ea
1UIa2UNa UNRU-25H-11BHU-5a2 eH aWe-pa -22W5e-5WBpa
-WNHUWa -BBaBWXHB5B3XX3-NI 1H5aN5U-23HNWSB35UHNWNHUWa
42U/e52 Xa aBeH WaWX-3aHN5H5ea WBaa5-NI e-pa NHNHUWa
-55aN-5UN -22W ea N aBHXBaWUaN3aW5e-5 - a
Na/-5Upa2 -Xa35aI 3H2I a5eBaa5HXUpa5U aW-W-N
Ia1aNIUN HN2H5Ia15eW-NI BH-I UI5eW, 2HB -223-N
1BHpUIa- 5H I BaI 35UHNUNNHUWa2apa2W-5-eH Wa
Ia1aNIUN HN5ea eaU/e5-NI 3HNWSB35UHNHX5ea -225ea2HB-5UHN
HX5ea eH Wa -NI Ba- WUN5ea -22 TN-IIU5UHN5H5ea-55aN-5UHN
HXNHUWa2apa2WI a5HIUW5-N3a -55aN-5UHNW - BaW25XBH 5ea
N aBHXBH WHXeH WaW-NI -II5UHN-2 -22W a1aNIUN 1HN
5ea IaNW5 HX5ea eH WaW-N-II5UHN-2 I BaI 35UHN - a
H5-UNaI 5ea XUBW5BH HXeH WaW-NI I XHB-II5UHN-2BH W
15H- - U HX I g-22W-BH NI 5ea Wa3HNI -NI
-II5UHN-2BH WHXeH WaW H2I XB5eaB-UI UNBaI 3UN 5ea NHUWa

2apa2W N-paB-/a HNa HB5 H XHH52aN/5eWHX1Ua H 2I a UNW5-22aI 1aBI- -NI 5ea/Ba-5aW5U 1-35 H 2I aI BDN/5ea HB I- W5e-55ea 3Ba UW HB UN/HN5ea W5Baa5UNXBHN5HX-/UpaN eH Wa g U5eH 5- NHUWa-55aN-5UN -22 5ea NHUWa 2apa2- a -11BHU-5a2 I, -5 Xaa5XBH 5ea U aIU-5a2 -I-3aN5 eH aW g U5e- -22 5eUW- a BaI 3aI I, , 5 HBW5 U5eH 5- -22-5-B-5a HX5 H XHH5Wa35UHNWHX1Ua 2-U 1aB I- U5 - 5- a HpaB5 H aa WXBH 5ea 5U a 5e-55ea NHUWa 2apa2W BWa- Hpa I, 5H eaN5ea X-22 a2H I, -5-N/UpaN eH a HUWaU 1-35WUN5eUW3HNW5B35UHN-Ba- H 2I a WUNUX3-N5 a3- Wa 5ea BaWUaN5W H 2I a a 1HWaI 5H- W W5-N5U-25a 1HB-B UN3Ba-Wa UN- UaN5NHUWa 2apa2W, N Ba -UNUN/U 1-35W U22 a WUNUX3-N5-NI N-pHUU- 2a

I HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HNNHUWa 2apa2W -WW5BU-5aI U5e 5ea 3HNW5B35UHNHX H aB 52a Baa -NI -35 W -WUNWIUa2UNaWUWWUNUX3-N5-NI N-pHUU- 2a

G. HAZARDOUS MATERIALS AND GROUNDWATER CONTAMINATION

BHa35 1aB-5UHN-NI -UN5aN-N3a

- 4-N aBN-BIUNH -WUN, Ba-

, 41-5U-2a 5aN5HX5ea 1aB3e2HB-5a 3HN5- UN-5UHN XHH51BDN5 NIaB-22 BHa35W5aN-BUHWUW Ba-5aB5e-N5e-5 NIaB H BHa353HNIU5UHNW g eaN3H 1-BaI 5H5ea H BHa35 5ea N aBHX a22W3HN5- UN-5aI 1aB3e2HB-5a NIaB-22 BHa35W5aN-BUHWa 3aaIW5ea N aBHX a22W5e-5 -pHUU 3HN5- UN-5UHN

- H5aN5U-2T 1-35 ea BHa353H 2I BaW25UN3HN5- UN-5UHNHX a22W 1aB3e2HB-5a ea 1H5aN5U-2U 1-35WHX5ea BHa35HN 1aB3e2HB-5a 3HN5- UN-5UHNHX a22W-Ba IUW WaI UN5ea B-XSSTR -51-/a -NI UN5ea MDN-2STR-51-/aW 5eBH/e

U5U-5UHN a-WBaW ea BHa35 U22UN3HBHHB-5a U5U-5UHN a-WBa , UN4a35UHN HX5ea B-XSSTR eU3e U22aNWBa 5e-5 NUg aW5aBN U22IUBa35 BHa35 -5aBWBa-IUN 5H2U U5-IpaBaW12 a Hpa aN5W5H5ea a 5aN5Xa-WU2a/UpaN a UW5UN UNXB-W5B35 Ba -NI 3HNWW5aN5 U5e aa5UN H5eaB -WUN -N-/a aN5H a35UpaW WUN/-p-U2- 2aI-5- UN3HN N35UHN U5e 5ea UN5a/B-5aI WBX3a -NI/BH NI -5aB HIa2W NUg aW5aBN U22 UaN5UX/BH NI -5aB5BaNIWUN32 IUN/12 a Hpa aN5-NI UWW2-5a 3e-N/aW-55BU 5- 2a 5HU12a aN5-5UHNHX5ea BHa35 ea BHa35 U22-2WIUN3HBHHB-5a , -WIaW5BUaI UN5ea MDN-2 STR-51-/a eU3e Ba UBaW NUg aW5aBN5H - a-N -2aBN-5Upa -5aBW112-p-U2- 2a 5H1-B5aW-XXa35aI

MDNIUN/WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -Be

Tg S4 SR S T T -/a

3HN5- UN-5aI a22W5H5ea a 5aN5-NI XHB5ea I B-5UHN5e-55ea
3HN5- UN-5UHNUW3- WaI BHa35HIaB-5UHNWHB1BHpUa
5Ba-5 aN5XHB-XXa35aI a22W-5 NUg aW5aBNWIUW3Ba5UHN ea
-25aBN-5Upa W112 HB5Ba-5 aN5XHB-XXa35aI a22W U22 a -Ia
-p-U2- 2a XHB-225U aW eaN1aB5UNaN5 -5aB -215 W5-NI-BIW-Ba
a 3aaIaI -W- BaW25HX5ea BHa35

3 MDNIUNW, WIUW5 WaII UNWa35UHN HX5ea B-X5STR
Ba2-5Upa2 2-B/a -Ba-WHX1aB3e2HB-5a 3HN3aN5B-5UHNW-Ba 1BaWN5UN
/BHNI -5aBUN5ea 4 , UN32IUNV 5ea RaI2-NIW B-X5HN 2 a
ea -paB-/a a 5aN5HX5ea XHH51B5N5HX5ea RaI2-NIW B-X5HN12 a
B-N/aWXBH 5H -3BaW Ba-5aB NIaB BHa353HNIU5UHNW5e-N
NIaB H BHa353HNIU5UHNW ea Na5N aBHX a22W
3HN5- UN-5aI I a5H BHa35U12a aN5-5UHN 3H 1-BaI 5H NIaB
H BHa353HNIU5UHNWp-BaW a5 aaN -NI a3- Wa5ea
H NI-BaWHX5ea 1aB3e2HB-5a 3HN3aN5B-5UHN12 a - 3HN5UN a
a HNI e-55ea H 21 a NIaB H BHa353HNIU5UHNWU 1-35W
H 21 Ba -UNWUNUX3-N5-NI N-pHUU- 2a apaNXH22H UNV
U12a aN5-5UHNHX5ea U5U-5UHN a-WBaW T12a aN5-5UHNHX
U5U-5UHN a-WBaW U22BaI 3a U1-35W 5 - NH5a2U UN-5a
3HN5- UN-5UHNHXUNIUpUU -2 a22W

ea UNIUpUU -2BaWHHNWa5H- 3H aN5 5ea a1-B5 aN5HX H U3
4 W5-N3aW HN5BH2 4 HN1-/a HX5ea MDN-2STR -W
UN3HNWW5aN5 U5e 5ea MDN-2STR W ea -5U3 BaWHHNWa eU3e
HXXaBaI - BH-IaBIUW5 WWHNHXaXXa35WHN3HN5- UN-N512 aW
RaWHHNWa5H3H aN5 4 -W5eaBaXHBa UNaBBHB ea XBW5
X221-B/B1e HX5e-5BaWHHNWa WeH 21 Ba-I 3e-N/aWUN
W5BUa5eBH/e NIaB2UNa XHB

4aa ea -5U3 RaWHHNWa Wa35UHN U5U-5UHN a-WBa
, U22 a-1121aI 5H-pHUU-NI 2U U5-IpaBWa12 a
Hpa aN5W MB5eaB -WaI HN3H aN5WBa3aUpaI I BUN/BapUa
HX5ea B-X5STR NUg aW5aBNe-pa I apa2H1aI -I I U5UHN-2
U5U-5UHN a-WBaWIaWUNaI 5H-pHUU WUNUX3-N5U1-35WBa2-5aI
5H-IpaBWa12 a Hpa aN5 Wa a2H H apaB UN-I I U5UHN5H
-112 UN/5eUW U5U-5UHN a-WBa5H12 a Hpa aN5W
NUg aW5aBN1BH1HWa-112 UN/ , 5H 4 -NI N5B-5a
U1-35W-55BU 5- 2a 5H5ea BHa35 Wa Wa35UHN HX5ea B-X5
STR eUWUWX B5eaBIa5-U2aI UNWa35UHN HX5eUWMDN-2STR
g U5e-IH15UHNHX , U1-35WBa2-5aI 5H-IpaBWa12 a
Hpa aN5 4 -NI N5B5aW H 21 a 2aWW5e-NWUNUX3-N5
BaI 3aI 5W522WUNUX3-N5

TN-I I U5UHN 5ea Wa3UX3 3e-N/aW5H5ea STR 2W5aI UN5ea 5- 2a HN
1-/a -WI-B5HX BaWHHNWa5H3H aN5 4 WeH 21 H U5
5ea BapUWHN5H1-/a 2UNaW -NI 5ea BapUWHN5H1-/a

MDNIUNW ESTR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-Be

Tg S4 SR S T T -/a

p-B HN- a-B a-B -WW a 5H5ea W-5U2-N 5a 1HB2
p-BU U25 HX S 12 a H N -BaW NaB BHa353HNU5UHNW
aNaX3U2U 1-35W H 21 -2WHB3 BUN5aB U5aN52 -N 2HB-22
ea Na5N aBHX a22W3HN5- UN-5aI U5e S I a5H BHa35
U 12a aN5-5UHNp-BaW a5 aaN -N Ia1aNUN HN BHa35
W aN-BUH , /-UN 5ea U 12a aN5-5UHNHX5ea U5U-5UHN a-WBaW
- NH5a2U UN-5a 3HN5- UN-5UHNHXUNUpUU -2 a22W, 2WH 5ea
S 3HN3aN5B-5UHN12 a H N -BaW - 3HN5UN a 5Ha 5aN
a HN H BHa353HNU5UHN H N -BaW-N 5eaBa -IpaBW2
U 1-35 a22W, N Ba -UNUN U 1-35W U22 a WUNUX3-N5-N
N-pHU- 2a

ea UN UpUU -2BaWHNW 5H- 3H aN5 5ea a1-B5 aN5HX H U3
4 W-N3aW HN5BH2 4 HN1-/a HX5ea MUN-2STR -W
UN3HNWW aN5 U5e 5ea MUN-2STR W ea -5U3 BaWHNW eU3e
HXXaBaI - BH-IaBIUW WWHNHX5eaWaXXa35W RaWHNW 5H
3H aN5 4 -W5eaBaXHBa UNaBBHB ea XBW5X221-B/B1e
HX5e-5BaWHNW WeH 21 Ba-I 3e-N/aWUNW5BUa5eBH/e NaB2UNa
XHB

4aa ea -5U3 RaWHNW Wa35UHN U5U-5UHN a-WBa
, U22 a-112aI 5H-pHU -N 2U U5-IpaBW12 a
Hpa aN5W MB5eaB -WaI HN3H aN5WBa3aUpaI I BUN/ BapUa
HX5ea B-X5STR NUg aW5aBNe-pa Iapa2H1aI -II U5UHN-2
U5U-5UHN a-WBaW aWUNaI 5H-pHU WUNUX3-N5U 1-35WBa2-5aI
5H-IpaBW12 a Hpa aN5 Wa a2H H apaB UN-II U5UHN5H
-112 UN/ 5eUW U5U-5UHN a-WBa 5H12 a Hpa aN5W
NUg aW5aBN1BH1HW-112 UN/ , 5H 4 -N NU5B-5a
U 1-35W-55BU 5- 2a 5H5ea BHa35 Wa aW35UHN HX5ea B-X5
STR eUWUWX B5eaBIa5-U2aI UN Wa35UHN HX5eUWMUN-2STR
g U5e -IH15UHNHX , U 1-35WBa2-5aI 5H-IpaBW12 a
Hpa aN5- 4 -N NU5B5aW H 21 a 2aWW5e-N-WUNUX3-N5
BaI 3aI 5W522WUNUX3-N5

TN-II U5UHN 5ea Wa3UX3 3e-N/aW5H5ea STR 2W5aI UN5ea 5-2a HN
1-/a -W1-B5HX BaWHNW 5H3H aN5 4 WH 21 H U5
5ea BapUWHN5H1-/a 2UNaW -N 5ea BapUWHN5H1-/a
2UNaW

I HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN1H5aN5U-2 S
3HN5- UN-5UHNHX a22WUWWUNUX3-N5-N N-pHU- 2a

, 41-5U-2a 5aN5HX S 3HN5- UN-5UHNXHH51BUN5 NaB-22
BHa35W aN-BUHWUW2aWW5e-N5e-5 NaB H BHa353HNU5UHNW eU3e
BaW2SWUN- aNaX3U-2U 1-35 g eaN3H 1-BaI 5H5ea H BHa35W aN-BUH

MUNUN/WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW
-B3e

Tg S4 SR S T T -/a

5ea N aBHX a22W3HN5- UN-5aI S NIaB BHa3543aN-BJHW, -NI UW2aWW5e-N5ea N aBHX a22W5e-5-pHUU 3HN5- UN-5UHN MHB BHa3543aN-BJH 5ea N aBHX a22W3HN5- UN-5aI a -2W5ea N aBHX a22W5e-5 H 21 -pHUU 3HN5- UN-5UHN MHB BHa3543aN-BJH 5ea N aBHX a22W3HN5- UN-5aI a 3aaI W5ea N aBHX a22W5e-5 H 21 -pHUU 3HN5- UN-5UHN

- H5aN5U-2T 1-35 ea BHa353H 21 BaW25UN3HN5- UN-5UHNHX a22W S ea 1H5aN5U-2U 1-35WHX5ea BHa35HN S 3HN5- UN-5UHNHX a22WUWIUW9 WaI UN5ea B-X5STR-51-/aW -NI -NI UN5ea MUN-2STR-51-/aW 5eBH/e

U5U-5UHN a-WBaW ea BHa35 U22UN3HBHHB-5a U5U-5UHN a-WBaW , -NI , , eU3e U22 aNWBa5e-5 NUg aW5aBN U22IUBa35 BHa35 -5aBWBa-IUN 5H 2U U5-IpaBW12 a Hpa aN5W5H5ea a 5aN5Xa-WU2a/UpaN a UW5UN UNXB-W5B35 Ba -NI 3HNWW5aN5 U5e aa5UN H5eaB-WUN -N-/a aN5H a35UpaW WUN -p-U2- 2aI-5- UN3HN N35UHN U5e 5ea UN5a/B-5aI WBX3a-NI /BH NI -5aB HIa2W NUg aW5aBN U22 UaN5UX/BH NI -5aB5BaNI WUN32IUN 12 a Hpa aN5-NI UW2-5a 3e-N/aW-55BU 5- 2a 5HU 12a aN5-5UHNHX5ea BHa35 ea BHa35 U22-2WIUN3HBHHB-5a , -WIaW5BUaI UN5ea MUN-2 STR-51-/a eU3e Ba UBaW NUg aW5aBN5H - a-N -25aBN-5Upa -5aBW112 -p-U2- 2a 5H1-B5aW-XXa35aI 3HN5- UN-5aI a22W5H5ea a 5aN5-NI XHB5ea I B-5UHN5e-55ea 3HN5- UN-5UHNUW3- WaI BHa35HIaB-5UHNWHB1BHpUa 5Ba-5 aN5XHB-XXa35aI a22W-5 NUg aW5aBN WIUW9Ba5UHN ea -25aBN-5Upa W112 HB5Ba-5 aN5XHB-XXa35aI a22W U22 a -Ia -p-U2- 2a XHB-225U aW eaN1aB5UNaN5 -5aB -215 W5-NI-BIW-Ba a 3aaIaI -W- BaW25HX5ea BHa35

3 MUNIUN W, WIUW9 WaI UN4a35UHN HX5ea B-X5STR Ba2-5Upa2 2-B a -Ba-WHX S 3HN3aN5B-5UHNW-Ba 1BaWaN5UN /BH NI -5aBUN5ea 4 , UN32IUN 5ea W9H a -B 12 a ea -paB-/a a 5aN5HX5ea 12 a WXH5IBUN5UW a5 aaN -NI -3BaW2aWW NIaB H BHa353HNI U5UHNW5e-N NIaB H BHa353HNI U5UHNW UXXaBaN3aWUN5ea XHH5IBUN5-Ba- U5e U 12a aN5-5UHN HX5ea BHa353H 1-BaI 5H H BHa353HNI U5UHNWp-B HN- a-B a-B -WW a 5H5ea W-5U2-NI 5a 1HB-2p-BU U215 HX S 12 a H NI-BaW NIaB BHa353HNI U5UHNW aNaX3U-2U 1-35W H 21 UN5aB U55aN52 -NI 2HB-22 HB3 B H apaB WUN3a 5ea S 3HN3aN5B-5UHN 12 a H NI-BaW - 3HN5UN a 5Ha 5aNI a HNI H BHa353HNI U5UHN H NI-BaW-NI 5eaBa U 1-35 a22WU 1-35W H 21 a WUNUX3-N5-NI N-pHUU- 2a apaNXH2H UN 5ea U 12a aN5-5UHNHX5ea U5U-5UHN a-WBaW, N Ba -UNUN U 1-35W U22 a WUNUX3-N5-NI N-pHUU- 2a

MUNIUN WE STR XHB4-N5-, N- RUpaBg -5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

-5- Ia1U35aI UN ea -5U3 MJ Ba WeH W5e-5apaN U5e U 12a aN5-5UHNHX , 5eaBa U223HN5UN a5H a WJNUX3-N5aXXa35WHX5ea BHa35HN 4 3HN3aN5B-5UHNW ea UNIUpUU -2BaWHHNWa5H-3H aN5 5ea a1-B5 aN5HX H U3 4 W5-N3aW HN5BH2 4 HN1-/a HX5ea MDN-2STR -W UN3HNWW5aN5 U5e 5ea MDN-2STR W ea -5U3 BaWHHNWa eU3e HXXaBaI - BH-IaBIUW5 WWHNHX5eaWa aXXa35W RaWHHNWa5H 3H aN5 4 -W5eaBaXHBa UNaBBHB ea XBW5X221-B-/B-1e HX5e-5BaWHHNWa WeH 21 Ba-I 3e-N/aWJNW5BUa5eBH/e NIaB2JNa XHB

4aa ea -5U3 RaWHHNWa Wa35UHN U5U-5UHN a-WBa , U22 a-1122aI 5H-pHUU-NI 2U U5-IpaBWa12 a Hpa aN5W MB5eaB -WaI HN3H aN5WBa3aUpaI I BJN/ BapUa HX5ea B-X5STR NUg aW5aBNe-pa Iapa2HIaI-II U5UHN-2 U5U-5UHN a-WBaWIaWJNaI 5H-pHUU WJNUX3-N5U 1-35WBa2-5aI 5H-IpaBWa12 a Hpa aN5 Wa a2H H apaB UN-II U5UHN5H -112 UN/5eUW U5U-5UHN a-WBa5H12 a Hpa aN5W NUg aW5aBN1BH1HWa-112 UN/ , 5H 4-NI NJ5B-5a U 1-35W-55BU 5- 2a 5H5ea BHa35 Wa aW35UHN HX5ea B-X5 STR eUWUWX B5eaBIa5-U2aI UNWa35UHN HX5eUWMDN-2STR g U5e-IHI5UHNHX , U 1-35WBa2-5aI 5H-IpaBWa12 a Hpa aN5 4-NI NJ5B-5aW H 21 a 2aWW5e-N-WJNUX3-N5 BaI 3aI 5W5U22WJNUX3-N5

TN-II U5UHN 5ea Wa3UX3 3e-N/aW5H5ea STR 2W5aI UN5ea 5-2a HN 1-/a -WI-B5HX BaWHHNWa5H3H aN5 4 WeH 21 H U5 5ea BapUWHN5H1-/a 2JNaW -NI 5ea BapUWHN5H1-/a 2JNaW

I HN32 WHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN1H5aN5U-2 S 3HN5- UN-5UHNHX a22WJWWJNUX3-N5-NI N-pHUU-2a

H. PUBLIC SERVICES, UTILITIES AND TRANSPORTATION

BHa35 HNW5B35UHN

- 52a Baa HNW5B35UHN, Ba-

  4 HNW5B35UHN H21 2U U5IUBa35-33aWW5H 25U12a eH aW-2HN/5ea -35W-WJNW Ua2JNa RH5a

- H5aN5U-2T 1-35 ea BHa353H21 2U U5IUBa35-33aWW5H 25U12a eH aW-2HN/5ea -35W-WJNW Ua2JNa RH5a ea 1H5aN5U-2 U 1-35WHX5ea BHa35HN-33aWW5HeH aW-2HN/5ea -35W-WJNW

MDNUN/WESTR XHB4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNW -B3e

Tg S4 SR S T T -/a

U5U-5UHN a-WBa ea B-Ha35 U22UN3HBHHB-5a U5U-5UHN
a-WBaW 4 4 4 4 -NI
4 UN4a35UHN HX5ea B-XS STR eU3e U22aNWBa
5e-5 NUg aW5aBN U22IUBa355ea 3HN5B-35HB5He-pa - -2UXaI
5B-XXU3 aN/UNaaB1Ba1-Ba -NI U 12a aN5- 5B-XXU3 -N-/a aN512-N
5e-5IaXUNaWeH 5B-XXU3 HIaB-5UHNW U22 a -N-/aI -NI -UN5-UNaI
HNBH-I - WI BUN/a-3e 1e-WaHX3HNW5B 35UHN UN32 IUN/ -N
Ia5H BWWUN-/a 2-Na 32HWBaWHB 5U25 Ba2HB-5UHN HB ea
5B-XXU3 -N-/a aN512-N U22 Wa3UX Na3aWWB 2-Na 32HWBaW
Ia5H BW-N WUN-/a 2Ue5UN/ X2-//aBW-NI H5eaB5B-XXU3 3HN5BH2
a-WBaWNaaIaI 5H-pHU -33UIaN5W-NI 1B-HpUIa -33aWW5HBaWUaN5W
-NI a aB-aN3 BaWHNWapaeU32aWIHUN/ 3HNW5B 35UHN ea 5B-XXU3
-N-/a aN512-N U22 a UN3HBHHB-5aI U5e 5ea XHU2H UN/ U, 22
3HNW5B 35UHN3HN5B-35HBW U221B-HpUIa aa 2 1I-5aWBa/-B UN/
3HNW5B 35UHNW5eaI 2aW-NI BH-I 32HWBaW5H2HB-21H23a-NI XUBa
BWU35UHN UU, 223HNW5B 35UHN3HN5B-35HBW U22NH5UX -22
BaWUaN5WUN5ea 3HNW5B 35UHN-Ba- - UNU HX aa aXHBa
a/UNNUN/ 3HNW5B 35UHN UUU, 223HNW5B 35UHN3HN5B-35HBW U22
3HHB UN-5a 3HNW5B 35UHN-35pU5IaW U5e 2HB-2a aB-aN3 WaBpU3aW
5ea 4 HW5-24aBpU3a W5eHH2 W-NI N5B-NWH1aB-5HBW
Ia2UpaB WaBpU3aW-NI 2HB-2BaX Wa 3H 1-NaW5HaNWBa 3HN5UN U5
HX5eaWa WaBpU3aW Up , 223HNW5B 35UHN3HN5B-35HBW U221HW5
-BNUN/ WUNW-NI 3HNW5B 35 -BBaBW5H1BapaN51aIaW5B-JNWXBH
UN-IpaB5aN52 aN5aBUN/ 3HNW5B 35UHN-Ba-WHBX-2UN/ UN5H-H1aN
5BaN3eaW HN5B-35HBW U22-2WIaNWBa 5e-5 B-Ha353HNW5B 35UHN
-Ba-We-pa aaN1B-H1aB2 Wa3 BaI aXHBa 2a-pUN/ 5ea HB W5a-5
5ea aNI HX5ea I- a-WBaW - UN32 Ia 3HpaBUN/ 5BaN3eaW
-NI HBUNW5-2UN/ 5a 1HB-B XaNIUN/ -NI WXa5 2Ue5W

3 MUNIUN/W ea -35 W -WUNW UIa2UNa H 2I a UNW5-22aI UN UNIaN
, paN a g aW54 U5, paN a aI-B, paN a g aW5 -W-2U-
45Baa5 -NI 41B 3a , paN a , 22HX5eaWa BH-I W-Ba 5 H2-NaW U5e
HNa 5B-pa22-Na UNa-3e IUBa35UHN BUN/ 3HNW5B 35UHN U5 H 2I N-H5
a 1HWWU2a 5H -UN5-UN- 5B-pa22-Na HN5eaWa BH-I - WWI5eaWa
W5Baa5W H 2I e-pa 5H a 32HWaI H2U U5IUW5 15UHN5HBH-I - W
5ea -35 W -WUNW UIa2UNa H 2I a U25UN5 H 2HB Wa/ aN5W
S-3e Wa/ aN5 H 2I a XUNUWaI -NI HIaNaI 5H5B-XXU3 aXHBa 5ea
Na 55 H 2HB Wa/ aN5HX3HNW5B 35UHN a/UNW T5UW-N5U3UI-5aI
5e-5a-3e 5 H 2HB Wa/ aN5 H 2I a 32HWaI XHB 15H HN5eW
53HNW5B 35UHNUNXBHN5HX-/UpaNeH a HB1BHIaB5 H 2I N-H5
2-W5 HBa 5e-N I- W eaBa-Ba 2SU2a eH aW-2HN/ g aW5
4 U5, paN a aI-B, paN a g aW5 -W-2U- -NI 41B 3a
, paN a 5e-53-NHN2 a-33aWWaI XBH BH-I - W5e-5 H 2I a

32HWaI I BDV 3HNWSB35UHN MHBeH aW U5e IBpa - W3HNNa35DV
5H5ea-XXa35aI BH-I - W-5a 1HBBB BU/a H 21 a 12-3aI
-3BHWW5ea 1Ua2DNa 5BaN3e-N 5eaWaBaWUaN3aW H 21 a-22H aI
WaHX5ea 3HNWSB35UHNa U aN52-Na ea 2HWWHXIUBa35
paeU3 2-B-33aWW BaWUaN5W1 213 WaBpU3a 1BHpUaBW-N
a aB/aN3 BaWHNWapaeU32aW-N 5ea e- -B 5H1aIaWSBJNW H 21
a-WUNUX3-N5U 1-35 , 2eH/eU 12a aN5-5UHNHX5ea
U5U-5UHN a-WBaW H 21 BaI 3a U 1-35WBa2-5aI 5H-33aWW5H
eH aW-2HN 5ea -35 W-WDNW Ua2DNa BH 5a-33aWW
a aB/aN3 BaWHNWapaeU32aW-N H5eaB1 213 WaBpU3aW H 21 W522
a 2U 5aI , N Ba -UNDV U 1-35W U22 a WUNUX3-N5-N
N-pHUU- 2a

I HN32 WUHN ea 1H5aN5U-2U 1-35HX5ea BHa35HN-33aWW5H
eH aW-2HN 5ea -35 W-WDNW Ua2DNa RH 5a UWWUNUX3-N5-N
N-pHUU- 2a

VIII. FINDINGS REGARDING ALTERNATIVES

TN-33HB-N3a U5e S , Ua2DNaW NUg aW5aBNIapa2HIaI - Ba-WHN- 2a B-N/a HX
-2aBN-5Upa WXHB-N-2 WWUN5ea B-X5STR eUWIBHBaWWUNpH2paI-WaWWV 5ea Xa-WUU25 HX
p-BUH W5 1aWHX a-WBaW-N ap-2-5DV 5ea - U25 HX5eHWa a-WBaW5H aa55ea 1BHa35
H a35UpaW ea H 53H a HX5eUWIBHBaWW -W5HUUaN5UX 5ea BHa35-N XH B-2aBN-5UpaW5H5ea
BHa35 UN32 IUV 5ea H BHa35W3aN-BUH eaW-2aBN-5UpaW-Ba W -BUaI a2H

New Local Water Supplies (Alternative 1)

eUW-2aBN-5Upa 5U2UaWNa 2HB-2 -5aBW112laW5e-5e-pa NH5 aaN 5U2UaI UN5ea 1-W5I a 5H
3HN3aBNWBa/-B UV -5aB -215 3HW5 HBH5eaBUNW5 5UHN-23HNWSB-UN5W eBaa 5 1aWHXNa
2HB-2 -5aBW112laW-Ba B-3 UW/BH NI -5aBIaW2DN-5UHN Ba/UHN-2 -5aBBa3 32DV -N
UN3Ba-WaI/BH NI -5aBa 5B-35UHNXBH 5ea RUpaBWa -WDN TN3Ba-WaI/BH NI -5aB
a 5B-35UHNXBH 5ea 4 , -WNH53HNWUaBaI-W-N-2aBN-5Upa a3-Wa 5ea 4 , UWX22
-I IU3-5aI -N 3HN5BH22aI 5ea *Western* I/aN5 , IIU5UHN-2/BH NI -5aBa 5B-35UHNW H 21
NIaB5ea 5aB WHX5ea *Western* I/aN5 Ba UBa-IIU5UHN-2U 1HB5-5UHNHX -5aBXBH a5eaB5ea
4g HB5ea H2HBIHRUpaB eU3e H 21 NH5 aa5- -W3/H-2HX5ea BHa35

ea Na 2HB-2 -5aBW112laWUaN5UXaI UN5eUW-2aBN-5Upa Ba UBa Na -IIU5UHN-25Ba-5 aN5-N
IUWSBU 5UHNX3U25laW e W5ea WaHX5ea Na -5aBW112laW U5eUN5ea NUg aW5aBNWBpU3a
-Ba- H 21 UNpH2pa 3HNWSB35UHN-35UpU5UaW U5e aNpUBHN aN5-2U 1-35W T5UW-WW aI 5e-55ea X22
- H N5HX -5aB-p-U2- 2a NIaB5ea BHa35 H 21 a -Ia-p-U2- 2a 5eBH/e-N HNa HX5ea
-2aBN-5Upa -5aBW112laW

eUW-2aBN-5Upa H 21 HN2 -55-UNWI a HX5ea BHa35H a35UpaW-N e-W -N HX5ea W a
aNpUBHN aN5-2U 1-35W-W5eHWa HX5ea BHa35 UBa35U 1-35WHN5ea aNpUBHN aN5 H 21 BaW25
XBH 5ea 3HNWSB35UHNHXNa B-3 UWIaW2DN-5UHN -W5a -5aBBa3 32DV HB/BH NI -5aB
a 5B-35UHN-N 5Ba-5 aN5X-3U25laW-N 5ea 1Ua2DNaW-N 1 1 W5-5UHNWNa3aWWB 5H3HNpa 5ea
Na 2 1BHI 3aI -5aB 4H a IUBa35U 1-35W H 21 -2WHBaW25XBH 5ea HIaB-5UHN-N WaHX

5eaWaNa 2HB-2 -5aBW112aWW3e-W-Ia/B-I-5UHNHXWBX3a -5aB -215 UN5ea 4, R -
/Ba-5aBBaI 35UHNUN4, R XH W-/Ba-5aBIa3Ba-WaUNBa/UHN-2/BHNI -5aB2apa2W-NI /Ba-5aB
U1-35W5H-UB -215 NHUWa-aW5ea5U3BaWIB3aW 5215aW-NI 5B3NWHB5-5UHN -NI /Ba-5aBU1-35W
Ba2-5aI 5He- -B3HW -5aB-U2W -B5U3 2-B2 UN2U/e5HXBa3aN53HN3aBNWBa2-5UN 5H5ea -215 HX
U1HB5aI -5aBUN5ea4-N5-, N-RUpaB -5aBWeaI 5eaWaU1-35WUNU3-5a5e-55eUW-25aBN-5Upa UW
NH5aNpUBHN aN5-22 W1aBUHB5H5ea BHa35

Enhanced Conservation (Alternative 2)

eaU12a aN5-5UHNHX-NaNe-N3aI 3HNWaBp-5UHN1BH/B NIaB5eUW-25aBN-5Upa H21 1BHpUIa-
WUU2-B- HN5HX -5aB5H5ea -U --NN-2-paB/a1BHpUIaI 5ea BHa35-NI H21 aa5
5ea BHa35H a35Upa HXBaI 3UN NUg aW5aBNWIa1aNIaN3aHNU1HB5aI -5aB eUWaNe-N3aI
-5aB3HNWaBp-5UHN H21 a UN--IIU5UHN5H5ea Ia -NI BaI 35UHNUN32IaI UN5ea -5aB
Ia -NI 1BHa35UHNW-NI H5eaB-N53U-5aI -5aBIa -NI --N-/a aN5-35UHNW

eUW-25aBN-5Upa H21 NH5-55-UN HW5HX5ea BHa35H a35UpaWa3-WaU5 H21 NH5 aa55ea
H a35Upa HXIa2UpaBNW -IIU5UHN-2eU/e -215 -5aBUNW5a-I HXU1HB5aI W112IaW-NI H21 NH5
U1BHpa HIaB-5UHN-2X2a UI215 a3-WaU5IHaWNH5a 1-NI 5ea N aBHX -5aBW112 WIB3aWHB
a 1-NI 5ea - UI215 5H Hpa -5aB5HIUX2aBaN52HB-5UHNW U5eUN5ea NUg aW5aBN4aBpU3a-Ba-W

TN-IIU5UHN 5eUW-25aBN-5Upa H21 e-pa-N aBHX1H5aN5U-22 WUNUX3-N5U1-35WHN5ea
aNpUBHN aN5H5eaB5e-N5eHWa-WWB3U-5aI U5e5ea BHa35 41a3UX3-22 5eUW-25aBN-5Upa H21
e-pa-N-IpaBWaU1-35HNWBX3a -5aB -215 I a5H5ea BaI 3aI -215 HXaX2aN5X2H WXBH
-W5a -5aB5Ba-5 aN5X3U215IaW-NI --5aNI-N5UN3Ba-WaI W253HN3aN5B-5UHNW eUW-25aBN-5Upa
H21 WUU2-B2 e-pa-IpaBWaU1-35WHN/BHNI -5aB -215 -NI UH2H/U3-2BaWIB3aWXBH 5ea
IUW5e-B3a-NI 1aB3H2-5UHNHXW3e2H aB -215 -5aB eUW-25aBN-5Upa H21 BaI 3aU1-35W
XBH 5ea BHa35-WWB3U-5aI U5e3HNW5B35UHN -B5U3 2-B2 UN2U/e5HXBa3aN53HN3aBNW-WWB3U-5aI
U5e5eaBa3e-B3aHXU1HB5aI -5aB-NI 1H5aN5U-2U1-35WHN -5aB -N-/a aN5UN5ea4-N5-
, N-RUpaB -5aBWeaI 5eaWaXXa35W-BaWUNUX3-N5

TNW -B5eUW-25aBN-5Upa H21 NH5 aa5 HW5HX5eaH a35UpaWHX5ea BHa35-NI H21 e-pa
-N aBHXWUNUX3-N5-IpaBWaU1-35WNH5-WWB3U-5aI U5e5ea BHa35 eU2aHN2 BaI 3UN
3HNW5B35UHNU1-35WXBH 5ea BHa35 ea B3X5STRIa5aB UNaI 5e-55eUW-25aBN-5Upa -W
aNpUBHN aN5-22 W1aBUHB5H5ea BHa35 UN2U/e5HX5eaBa3aN53HN3aBNWBa/-B3UN 5eaBa3e-B3aHX
U1HB5aI -5aBUN5ea4-N5-, N-RUpaB -5aBWeaI 5eaU1-35WHX5eUW-25aBN-5Upa -BaNH HBa
3H1-B3 2a5H5eaU1-35WHX5ea BHa35 HNa5ea2aWW NUg aW5aBNXUNI 5e-55eUW-25aBN-5Upa
Ba -UNWaNpUBHN aN5-22 W1aBUHB5H5ea BHa35

New Imported Water Supply (Alternative 3)

eUW-25aBN-5Upa Ba UBaW5eaIapa2Hl aN5HXNa U1HB5aI -5aBWIB3aWHB5ea-3 UW5UHNHX
aUW5UN -5aBWIB3aWXH2H aI 5ea5B3NW5aBHX5e-5 -5aBXHB WaUN5ea NUg aW5aBNWaBpU3a
-Ba-WHB-3H UN-5UHNHX H5e HHl5UHNWXHBNa U1HB5aI -5aBWIB3aW-Ba-IIU5UHN-2
4g -5aB-NI Wa- -5aBIaW2UN-5UHN

TX5eUW-25aBN-5Upa aBaU12a aN5aI 5eBH/e5ea-3 UW5UHNHX-IIU5UHN-24g W112IaW5ea
-25aBN-5Upa H21 NH5BaI 3a5eaIa1aNIaN3aHX NUg aW5aBNHNU1HB5aI -5aB-NI H21 NH5

Ia2UpaBDV 2HB-2 eU/e -215 -5aBUNW5a-I HXU 1HB5aI W112laW TN5eaWa - W5ea-2saBN-5Upa
H 21 NH5 aa55 HHX5ea 5eBaa H a35UpaWHX5ea BHa35 ea U 1HB5-5UHNHX-I I U5UHN-24g
-5aB H 21 e-pa U 1-35WUN-NH5eaB45-5a g -5aB HNSB35HBWWaBpU3a-Ba- U5UWNH51HWU2a-5
5eUW5U a 5HUaN5UX 5eHWaXXa35W 5eaBU 1-35W-WWBU-5aI U5e W3e-3 UW5UHN-Ba NH52Ua2
5H a WUNUX3-N5/UpaN5e-55ea -5aBUN aW5UHNe-W-2Ba-I aaNIUpaB5aI XBH 5ea a25--NI NH
Na 3HNpa-N3a HBIUW5BU 5UHNX-3U215laW H 21 a Ba UBaI

TX5eUW-2saBN-5Upa aBa U 12a aN5aI 5eBH/e 5ea 3HNW5B35UHNHX-Wa- -5aBIaW2UN-5UHN12-N5
NUg aW5aBN H 21 HW52Ua2 e-pa 5HNa/H5U-5a-/Baa aN5W U5e H5eaB-/aN3laW eaBa
U 1HB5aI 4g -5aB H 21 a a 3e-NaI UN2la HX -5aBIaBUpaI IUBa352 XBH 5ea IaW2UN-5UHN
,/-UN 5ea U 1HB5-5UHNHXW3e -5aB H 21 NH5BaI 3a NUg aW5aBN WIa1aNIaN3a HNU 1HB5aI
-5aBW112laWHBIa2UpaB2HB-2eU/e -215 -5aBUNW5a-I HXU 1HB5aI W112laW ea U 1-35WHX
5eUW-2saBN-5Upa HN5ea aNpUBHN aN5 H 21 HB3 B-I -3aN55H5ea Na Wa- -5aBIaW2UN-5UHN
X3U215 UN32 IUN 1H5aN5U-22 /Ba-5aBU 1-35W5e-N-WWBU-5aI U5e 5ea BHa355HBa3Ba-5UHN-2
BaWIB3aWIa1aNIUN HN5ea 2HB-5UHNHX5ea IaW2UN-5UHN12-N5 /Ba-5aB-UB -215 U 1-35WI BDV
HlaB-5UHNW5e-N5eHWa-WWBU-5aI U5e 5ea BHa35 1H5aN5U-22 /Ba-5aBU 1-35W5H-aW5ea53
BaWIB3aWXBH IaW2UN-5UHN12-N53HNW5B35UHN-35UpU5laW5e-N5eHWa-WWBU-5aI U5e 5ea BHa35
-NI /Ba-5aBU 1-35W5He- -BH W -5aB-U2W5e-N5eHWaBaW25UN XBH 5ea BHa35

MHB5eaWaBa-WHNW5eUW-2saBN-5Upa UWNH5aNpUBHN aN5-22 W1aBUHB5H5ea BHa35

No Project Alternative

ea H BHa35, 2saBN-5Upa-WW aW5e-5NH3H 1HNaN5W1e W3-2HB1BH/B -WaI HX5ea
BHa35 H 21 aU 12a aN5aI -NI 5e-5X5Ba -5aBNaaIW H 21 HB3 B-WIBHa35aI ea H
BHa35, 2saBN-5Upa H 21 HB3 BUX NUg aW5aBN3eHWaNH55H/HXHB-B U5e 5ea BHa35HBUX
5ea 4g R Ia3UaI NH55HUWa-N-11BH1B-5Upa -5aBBUe51aB U55H NUg aW5aBN, W
Ba UBaI S, 5ea 1 BHHWaHXIaXUNUW -NI ap-2-5UW 5eUW-2saBN-5Upa UW5H1BHpUa Ia3UWHN
-aBW U5e UNXHB-5UHNHN e-55ea aNpUBHN aN5-23HNIU5UHNW H 21 a UN5ea - WaN3a HX5ea
1BH1HWaI-35UHN

NIaB5ea H BHa35-2saBN-5Upa NHWUNUX3-N5IUBa35U 1-35W H 21 HB3 B a3- Wa -5aB
IUpaBWHNW-NI Ba2a-WaW H 21 a -Ia UN-33HB-N3a U5e eUW5HB3-NI 3 BBaN51B-3513aW-NI
a3- Wa NHNa 3HNW5B35UHN H 21 a Ba UBaI NIaB5eUW-2saBN-5Upa -XaB- H 5
a UW5UN -5aBW112 WIB3aW H 21 NH2HNaB a-Ia -5a5H aa5Ia -NI TN5ea - WaN3a HX
Na WIB3aWHX -5aB5ea B-5aHX1H1 2-5UHN/BH 5e 3H 21 IU UNUWeI a 5H5ea 3HNW5B-UNaI -5aB
W112 TX5e-51HaWNH5HB3 B NUg aW5aBN H 21 X22 5U2Ua a UW5UN 4g W112laW-5-N
a-B2laBI-5a 5e-N NIaB5ea BHa35

, SR , T S4 RS T 4 4T SRS

4H a-2saBN-5UpaW aBa UaN5UXaI -NI Ba HpaI XBH XB5eaB3HNWUaB-5UHNXHB-p-Bd5 HX
Ba-WHNW5e-5BaW2saI UN5ea-2saBN-5UpaW aUN Iaa aI UNXa-WU2a UN32 IUN UNW5U5 5UHN-2 -BBaBW
UN- U215 5H aa51BHa35/H-2WaNpUBHN aN5-23HNWUaB-5UHNWHBWH a3H UN-5UHN5eaBaHX ea
IUW WWHN5e-5XH2H WIBHpUaW- BaXHpaBpUa HX5eaWa1BapUH W2 3HNWUaBaI -2saBN-5UpaW-NI
3H 1HNaN5W-NI Ia HNW5B-5aW5ea UaB-N/aHX-2saBN-5UpaW3HNWUaBaI NUg aW5aBN UN5ea

Iapa2Hl aN5HX5ea BHa35 5IHaWNH5IaW3BUa apaB 3H UN-5UHNHX3H 1HNaN5WlBapUH W2
ap-2-5aI NUg aW5aBN

Imported Water From Other Systems Alternative

ea WaHXU 1HB5aI -5aBXBH -5aBW112 WW5a WH5eaB5e-N5ea 4g -WUN5U-22
3HNWUaBaI , 2aBN-5Upa W112 WW5a WXBH 5ea XaIaB-2 aN5B-2 -22a BHa35 5ea H2HB-IH
RUpaB-NI 5ea HW, N/a2aW a1-B5 aN5HXg-5aB-NI H aB aNWRUpaB aBa Ba HpaI XBH
XB5eaB3HNWUaB-5UHN NUg aW5aBN a3- WaHX5eHWa WW5a WUN- U25 5H aa55ea H a35UpaW
HXBaI 3UN/ Ia1aNIaN3a HNU 1HB5aI -5aB U 1BHpUN/ HpaB-22 -5aBW112 Ba2U- U25 HB
Ia2UpaBUN/ eU/eaB -25 2HB-2 -5aBUNW5a-I HXU 1HB5aI W112aW TN3Ba-WUN/ U 1HB5XBH 5eaWa
WH B3aW -W-2WHIaa aI UNXa-WU2a a3- WaHXWapaB-2UNW55 5UHN-2 -BBaBW NIaB5eUW
-25aBN-5Upa WH aHX5ea BHa35WUBa35U 1-35WBaW25UN/ XBH 3HNW5B 35UHN-NI HIaB-5UHN-2
-35UpU5aW H 2I W5U2HB3 B

Diversion of Unappropriated SAR Water and Use of Existing Facilities Alternative

NUg aW5aBNap-2-5aI 5ea 1H5aN5U-2XHB-35Upa2 WUN/ 5ea a UW5UN/ /BH NI -5aBBa3e-B/a
X3U25UaWH NaI -NI 3HN5BH22aI 5ea 4-N aBN-BUNH -22a g-5aB HNWaBp-5UHN UW5B35
HNWaBp-5UHN UW5B35 -NI 5ea NHB -22 IB BUpaBaI HX5ea 4, RXBH 552a g aUB5H4-N
aBN-BUNHTN5aBN-5UHN-2, UBHB5 eUW-2aBN-5Upa -Wa HpaI XBH XB5eaB3HNWUaB-5UHN
1BU-B22 a3- WaHXU5WUN- U25 5H aa5 BHa35H a35UpaW eUW-2aBN-5Upa H 2I NH5UN3Ba-Wa
HIaB-5UHN-2X2a UU25 5HaU5eaB3HN N35Upa2 Wa-221HB5UHNWHX5ea Ba/UHN-2/BH NI -5aB -WUN
UN-NaXXa35Upa -NNaBHBa 3e-N/a -5aB U5eNaU/e HBUN/ -5aBIUW5B35W eaN3HNpa -N3a
3-1-3U5 a UW5W-NI 2HB-2 -5aBW112aWa 3aaI 2HB-2Ia -NI , 2WH 5ea 2HN/ 5aB -paB-/a
- HN5HX -5aB-p-U2- 2a 5H NUg aW5aBN3H 2I a 2aWW5e-N5e-5BaW25UN/ XBH 5ea BHa35
MUN-22 5eUW-2aBN-5Upa H 2I NH5aNe-N3a Ba2U- U25

S TR S , 4 SRT R, SR , T S

MHB5ea Ba-WHNWUW5 WWaI - Hpa 5ea H BHa35, 2aBN-5Upa UWHpaB-22 5ea aNpUBHN aN5-22
W1aBUHB-2aBN-5Upa eH apaB U5 aa5WNHNa HX5ea BHa35H a35UpaW, W a5 aaN5ea BHa35
-NI , 2aBN-5UpaW -NI , 2aBN-5Upa SNe-N3aI HNWaBp-5UHN UW5ea aNpUBHN aN5-22
W1aBUHB-2aBN-5Upa

IX. FINDINGS RELATED TO CUMULATIVE IMPACTS

A. 2-5Upa T 1-35, N-2 WUW

S , Ua2UNaWWa35UHN 1BHpUaW5ea XB a HB XHB-N-2 WUWHXU 1-35W-WW3U-5aI U5e
U 12a aN5-5UHNHX-1BHa35-NI U5W3 2-5Upa U 1-35W, IUW WWUHNHX3 2-5Upa U 1-35W
UN32 IaW5ea 3H UN-5UHNHXWUNUX3-N5-NI 2aWW5e-NWUNUX3-N51BHa35Ba2-5aI U 1-35W-NI -22
2apa2WHXU 1-35WXBH H5eaB1-W5 1BaWaN5 -NI Ba-WN-2 XHBaWa-2a X5 Ba 1BHa35W
2-5Upa U 1-35WNaaI NH5 aIaW3BUaI eaBa 5ea BHa35e-WNH1e W3-2U 1-35WHN5ea
aNpUBHN aN5 HNWW5aN5 U5e 5eaWa Ba UBa aN5W3 2-5Upa U 1-35W-BaIUW WWaI UN e-15aBW
-NI HX5ea B-XSSTR

ea IUW WUFNHX3 2-5Upa U 1-35WUN4a35UFN HX5ea MUN-2STR aN5 a HNI 5eaWa
Ba UBa aN5W 1BHpUUN -IIU5UFN-2UNXHB -5UFN- H 5H5eaB1BHa35W5e-5e-pa 5ea 1H5aN5U-25H
-Xa35H5eaB1HB5UFNWHX5ea 4, R WW5a apaN5eH/e 5ea BHa35 H 2I NH5e-pa-1e W3-2
U 1-35HN5eHWaIH5eaB1HB5UFNWW3e-Wa2H RUpaBWa -BBH W

TNW -B 5ea XHI2H UN 1BHa35WUN3HN N35UFN U5e 5ea 1BHIHWaI BHa35 U22BaW25UN
3 2-5Upa U 1-35W1aB5ea B-X5STR WIUW WUFNUN e-15aB eaWa 1BHa35WUN3H UN-5UFN
U5e 5ea 1BHIHWaI BHa35 3H 2I e-pa 3 2-5Upa aXa35WUN5ea W a/aH/B-1eU3-Ba- eaWa
1BHa35W aBa Wa2a35aI a3- Wa5ea -Ba 3 BaN52 aU5eaB-11BHpaI HB NaB3HNWUaB-5UFNXHB
-11BHp-2-NI 5ea -22Ba1BaWaN512-NW1BH/B W-NI -35UFNWIaB5-UNUN 5H -5aBBUe5W -5aB
BaWI B3aWHX5ea 4, R -NI -5aBBaWI B3aWHX5ea NUg aW5aBNWaBpU3aW-Ba-W

- BHIHWaI -NI -N-/a aN5-NI - U5-5 HNWaBp-5UFN 2-NXHB5ea 11aB4-N5-, N-RUpaBg -We g -We 2-N
- 4-N aBN-B UNH -22a NU3U-2g -5aB UW5B35Ra/UFN-2g -5aBM43U25UaW -W5aB 2-N -W5aB 2-N
- S-W5 B-N3e S 5aNWUFN S BHa35 e-Wa TT
- ea a5BHIH225-Ng -5aB UW5B35HX4H 5eaBN -2UXHBNU TN2-NI MaaIaB TN2-NI MaaIaB
- 4apaN - W - HBBH U5 BHI NI -5aB HNWaBp-5UFN-NI - U5-5RaW5HB-5UFN BHa35 RaW5HB-5UFN BHa35
- UH2H/U3-2 1UNUFNXHB5ea 1aB-5UFNHX4apaN - W -
- 4-N aBN-B UNH -22a g -5aB HNWaBp-5UFN UW5B35g -5aBRUe5, 1123-5UFN HNWaBp-5UFN UW5B35, 1123-5UFN
- U5 HXRUpaBWa g -5aBRUe5, 1123-5UFN RUpaBWa, 1123-5UFN
- eUNH -WUNg -5aB -W5aBg -5aBRUe5, 1123-5UFN eUNH, 1123-5UFN
- B-N/a H N5 g -5aB UW5B35g -5aBRUe5, 1123-5UFN g , 1123-5UFN
- RT M-3U25 Ra3 32aI g -5aB Wa BHa35 RT g -5aBRa3 32UN
- U2H5 a -5aBUN BH/B XHB5ea NaB U22 -WUN, Ba-HX UW5HB3 Ue BHI NI -5aB U2H5 a -5aBUN
- RUpaBWa HBHN-MaaIaB
- HB5e - a, Ba- -NI 4H5e - a, Ba- BHa35 HB5e 4H5e - a

ea BHa35 UN3H UN-5UFN U5e 5ea Ba2-5aI 1BHa35W2UW5aI - Hpa UW-N5U3U-5aI 5He-pa
3 2-5Upa2 WUNUX3-N5U 1-35WUN5ea XHI2H UN/ BaWI B3a-Ba-W

- 4 BX-3ag -5aB IBH2H/ -NI g -5aB -25
- BHI NI -5aB IBH2H/ -NI g -5aB -25
- UH2H/U3-2RaWI B3aW
- aH2H/ 4H2W-NI UNaB-2RaWI B3aW
- -NI Wa-NI 2-NNUN/
- , /B3 25 B-2RaWI B3aW
- , UB -25
- 25 B-2RaWI B3aW
- HUWa

MUNI UN/ WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UFNW
-Bse

Tg S4 SR S T T -/a

- , aW5ea53W
- - -B H W -5aB-J2W-N B-H N -5aB HN5- UN-5UHN
- 23 4aBpU3aW 5U25UaW-N B-NWHB5-5UHN
- B-H 5e TN 3UN T 1-35W

- 2a UN5ea B-X5STR -55-3eaI eaBa5H-W, 55-3e aN5 Ia HNWB-5aW5ea Ba2-5UHNWU HX 5ea Ba2-5aI 1B-Ha35W5eaUBaNpUBHN aN5-2aXa35W5e-5 - UN5aB-35 U5e U 1-35WHX5ea B-Ha35 -N 5ea / aH/B-1eU3 -Ba-W eaBa U 1-35W3H 2I HB3 B

, WIaW3BUaI UN e-15aB -N HX5ea B-X5STR 5ea B-Ha35-N Ba2-5aI 1B-Ha35W-Ba a 1a35aI 5H e-pa WUNUX3-N5UN UBa35aXa35WBa2-5aI 5H/B-H 5e -N Iapa2-Hl aN5UN5ea WBpU3aW-Ba-WIaW5a 4-N aB-N-B UNH H N5 aNaB-2 2-N-N RUpaBWa H N5 aNaB-2 2-N1H23UaWIaWUNaI 5H -pHUU -N 2U U5U 1-35WBa2-5aI 5H/B-H 5e

ea B-X5STR IUW WaI 3 2-5Upa U 1-35WHX5ea B-Ha35-N 1-W 1BaWN5 -N Ba-WN- 2 XHBaWa- 2a X 5 Ba 1B-Ha35W-2HN 5ea 4, R -N H5eaB-11B-H1B-J5a BaWH B3a -N-/a aN5-Ba-W TN 1-B3 2-B 5ea B-X5STR IUW WaI 5ea 3 2-5Upa U 1-35WHX3HNWB 35UHN-35Up5 -WW3U-5aI U5e 5ea B-Ha35-N H5eaB3HNWB 35UHN-35Up5UaWUN5ea Ba/UHN ea MDN-2STR UNBaWHNWa 5H Ba aW5WXHBUNXHB -5UHNBa/-B UN 5ea 1H5aN5U-23 2-5Upa aXa35WHX -5aB Iapa2-Hl aN5 -N-/a aN5 1B-Ha35W-2HN 5ea 4, R 1B-HpUaI -II U5UHN-2UNXHB -5UHNUN32 IUN 5ea 1H5aN5U-2XHB-II U5UHN-23 2-5Upa aXa35WXBH - N aBHXH5eaB1B-Ha35W5e-5e-pa Ba3aN52 aaN1B-H1HWaI -5aBIUW3B35W5eB-H/e NUWIN5a/B-5aI Ra/UHN-2 B-H N -5aB -N-/a aN5 2-N-N g aW5aBN WIN5a/B-5aI Ra/UHN-2g -5aB -N-/a aN5 2-N1B-HBaWaW, 22HX5eHWa 1B-Ha35W aBa a5eaB UUN32 IaI UNHNa HX5ea 1B-Ha35WIBapUH W2 -N-2 aI UN5ea B-X5STR UU U225- a 12-3a -5W3e 2H3-5UHNW-N HB-5W3e 5U aW5e-55ea UN3H UN-5UHN U5e 5ea B-Ha35 U22NH53Ba-5a 3 2-5Upa U 1-35WHN5ea aNpUBHN aN5 HB UU-Ba WIa-B2 UN5ea Iapa2-Hl aN5 1B-HBaWW5e-5-N -N-2 WWHX1H5aN5U-2U 1-35W H 2I a WIa3 2-5Upa HNWa aN52 NH3e-N/aW UN5ea B-X5STR W3 2-5Upa U 1-35W-N-2 WW aBa Na3aWWB

X. STATEMENT OF OVERRIDING CONSIDERATIONS

S , Ba UBaW-1 213-/aN3 5H -2-N3a 5ea aNaX5WHX-1B-H1HWaI 1B-Ha35-/-UNW5U5W N-pHUU-2a aNpUBHN aN5-2BWWUNIa5aB UNUN ea5eaB5H-11B-Hpa 5ea 1B-Ha35 NUg aW5aBN 1B-H1HWaW5H-11B-Hpa 5ea B-Ha35IaWU5a 3aB5-UNWUNUX3-N5 N-pHUU-2a-IpaBaW U 1-35W UaN5UXaI UN5ea 4-N5-, N-RUpaBg-5aBRUe5, 1123-5UHNWMHB4 112a aN5-2g-5aB4 112 STR ea aN5UBa STR UN32 IaW pH2 aW 5ea B-X5STR UN32 IUN-11aNU3aW-N 5ea MDN-2 STR eU3e UN32 IaWBaWHNWaW5H3H aN5W-N-11aNU3aW

A. Impacts of the Project

, WIaW3BUaI UNWa35UHN T-Hpa 5ea B-Ha35 U22e-pa 2aW5e-NWUNUX3-N5aXa35WHN5ea aNpUBHN aN5UN5ea XH2H UN/BaWH B3a-Ba-W4 BX3a g-5aB IB-H2H/ -N g-5aB -215 B-H N -5aB IB-H2H/ -N g-5aB -215 UH2H/U3-2RaWH B3aW aH2H/ 4H2W-N UNaB-2 RaWH B3aW -N Wa-N 2-NNUN , /B3 25 B-2RaWH B3aW, UB -215 25 B-2-N -2aHN5H2H/U3-2RaWH B3aW HUWa, aW5ea53W - -B H W -5aB-J2W-N B-H N -5aB HN5- UN-5UHN -N 23 4aBpU3aW 5U25UaW-N B-NWHB5-5UHN ea B-Ha35 U22e-pa

WUNUX3-N5-NI N-pHU-2a aXa35WHN5ea aNpUBHN aN5UN5ea XH2H UN BaWI B3a-Ba-W4 BX3a
g-5aB IBH2HY-NI g-5aB -215 BH NI -5aB IBH2HY-NI g-5aB -215 aH2HY
4H2W-NI UNaB2RaWI B3aW, UB -215 25 B2-NI -2aHN5H2HY U3-2RaWI B3aW HUWa
--B H W -5aBU2W-NI BH NI -5aB HN5- UN-5UHN 213 4aBpU3aW 5U25UaW-NI
B-NWHB5-5UHN ea BHa35 U22UNI 3a/BH 5e U5eUN5ea NUg aW5aBNWBpU3a-Ba-W
1BHpUUNY - HBa Ba2U-2a -5aBW112 -NI WHe-pa UNIUBa35U 1-35WHN5ea XH2H UN BaWI B3a
-Ba-W IBH2HY-NI g-5aB -215 UH2HY U3-2RaWI B3aW aH2HY 4H2W-NI UNaB2
RaWI B3aW -NI Wa-NI 2-NNUN, /B3 25 B2RaWI B3aWRa3Ba-5UHN-2RaWI B3aW, UB
-215 25 B2-NI -2aHN5H2HY U3-2RaWI B3aW HUWa, aW5ea53W --B H W -5aBU2W-NI
BH NI -5aB HN5- UN-5UHN -NI 213 4aBpU3aW 5U25UaW-NI B-NWHB5-5UHN ea BHa35
U22UN3H UN-5UHN U5e-221-W5 1BaWaN5-NI Ba-WN-2 XHBaWa-2a X5 Ba 1BHa35We-pa
3 2-5UpaU1-35WHN5ea aNpUBHN aN5UN5ea XH2H UN BaWI B3a-Ba-W4 BX3a g-5aB
IBH2HY-NI g-5aB -215 BH NI -5aB IBH2HY-NI g-5aB -215 UH2HY U3-2
RaWI B3aW aH2HY 4H2W-NI UNaB2RaWI B3aW -NI Wa-NI 2-NNUN, /B3 25 B2
RaWI B3aW, UB -215 25 B2RaWI B3aW HUWa, aW5ea53W --B H W -5aBU2W-NI
BH NI -5aB HN5- UN-5UHN -NI 213 4aBpU3aW 5U25UaW-NI B-NWHB5-5UHN

B. Mitigation Measures

ea U5U-5UHN a-WBaWUN3HBHB5aI UN5H5ea STR-NI 5ea R Ia HNW5B-5a-3H U5 aN5
NUg aW5aBN5H-pHU UNU Ua-NI 3H 1aNW5a XHBaNpUBHN aN5-2U1-35WHX5ea BHa35
U5U-5UHN a-WBaWUN32Ia5ea XH2H UN

4g a3-Wa-N-aBH U3 3HNI U5UHNW-Ba-1BH 2a -WWBU-5aI U5e 3 BBaN5
HIaB-5UHNW-54apaN -W- U5UW-N5U3U-5aI 5e-55ea HIaB-5HBWHX5ea I- 4-N
aBN-B UNH RUpaBWa-NI B-N'a 3H N5 XHHI 3HN5BH2IUW5B35W NH N-W5ea
HB-241HNWHBW U22U12a aN5-1BH'B- W3e-W-5aB -215 HN5HBUN
-NI -aB-5UHN 5H-pHU-NI BapaBWa-N-aBH U3 3HNI U5UHNWWH5e-5 -5aB -215
H a35UpaW-Ba N-H5a 3aaIaI TN5eHWa a-BW eaN5ea BHa35BaW25WUNWa-WN-2
-5aB3HNWaBp-5UHNW5HB/a aeUNI 4apaN -W- NUg aW5aBN U22
1-B5U3U-5a UNW3e-1BapaN5-5Upa 1BH'B -NI 1BHpUa X NIUN 1BHIHB5UHN-25H
5ea pH2 a HXWa-WN-2W5HB/a aeUNI 4apaN -W-

4g , NaNaB IUWWI-5UHNW5B 35 Ba-IapU3a 5HW2H X-W5 HpUN X2H WWH
-W5H1BapaN5aBHWHN U22 a12-3aI -55ea 5aB UN WHX5ea 1Ua2UNa Ia2UpaBUN
-5aB5H5ea 52a -WUNW3e-NNa25HaNWBa5e-5 -5aBXBH 5ea BHa35IHaWNH5
W5H BHBaBHIa5ea 3e-NNa2

g WUN-p-U2-2aBa2U-2aI-5- NUg aW5aBN U22HN-N-NN-2 -WUW
ap-2-5aU1-35WHX5ea BHa35HN 4 3HN3aN5B-5UHNWUN5ea 4 , H5ea a 5aN5
Xa-WU2a/UpaNa UW5UN UNXB-W5B35Ba-NI 3HNWW5aN5 U5e aa5UN H5eaB-WUN
-N-/a aN5H a35UpaW NUg aW5aBN U22IUBa35 BHa35 -5aBWBa-IUN 5H
BaI 3a WUNUX3-N5 4U1-35W

g WUN-p-U2-2aI-5- NUg aW5aBN U22HN-N-NN-2 -WUWap-2-5a
U1-35WHX5ea BHa35HNN5B-5a 3HN3aN5B-5UHNWUN5ea 4 , H5ea a 5aN5
Xa-WU2a/UpaNa UW5UN UNXB-W5B35Ba-NI 3HNWW5aN5 U5e aa5UN H5eaB-WUN

-N-/a aN5H a35UpaW NUg aW5aBN U22IUBa35 BHa35 -5aBWBa-IUN 5H BaI 3a WUNUX3-N5N5B5aU 1-35W

T NUg aW5aBN U22 UNU UaIUW5B-N3a5HN-5Upa e- U5-5W-NI 2UW5aI -NI NHN2UW5aI WaNW5Upa Wa3UaW 5eaU12a aN5-5UHNHX5ea a-WBaW-5 3HNW5B35UHNW5aWIBUHB5H-NI I BUN 3HNW5B35UHN g eaBa/BHNI IUW5B-N3aUW Ba UBaI 5ea NUg aW5aBN1BH/B U22UN32Ia BaW5B35UN IUW5B-N3a a 12Haa5B-UNUN HNW5a HN5HBUN W-NI 2UW5aI Wa3UaWIBH5a35UHN a-WBaW eUW U5U-5UHN a-WBaUWIaW5BUaI X22 UN5ea B-X5STR-5 5eBH/e

T NUg aW5aBN U22Iapa2Hl- - U5-5Rapa/a5-5UHN RaW5HB5UHN-NI HN5HBUN BH/B BH/B H5-UNUN UNI5XBH M -NI 4Mg4XHB U12a aN5-5UHNUN-22e- U5-5-Ba-WIUBa352 -Xa35aI 3HNW5B35UHN-35Up5UaW ea BH/B U22UN32Ia5ea XH2H UN a-WBaWUNp-Wpa Wa3UaW3HN5BH2 5HlWH2 W2p-/a-NI Ba12-3a aN5 -NI e- U5-5Bae- U25-5UHN-NI Ba12-3a aN5 eUW U5U-5UHN a-WBaUWIaW5BUaI UNIa5-U2UN5ea B-X5STR-5 5eBH/e

T aXHBa/BHNI IUW5B-N3aHBH5eaB-35Up5UaW -2UXaI H5-NUW5W-NI U2I2UXa UH2H/UW5W U22WBpa -221BHlHWaI 3HNW5B35UHN W5-/UN W5HB 1U2a -NI -33aWW-Ba-WXHB1BaWN3a HXW5-5a HBXaIaB-22 2UW5aI 12-N5HB U2I2UXa Wa3UaW Ba3HNW5B35UHNWBpa W U22H-B3 BI BUN 5ea-11BH1B-J5aW-WN-NI UN -33HB-N3a U5eaW5-2UWaI 1BH5HBH2WUXBa UBaI eaWaWBpa W U22a 3HNI 35aI UN-223HNW5B35UHN-Ba-W5e-5H-B3 BUNBJ-B-JNR, M44 R44 3e-1-BB2 HBH5eaBN-5Upa e- U5-5W eaWaWBpa W-Ba XHB5ea1 BIHWaHXIHB aN5UN 5eaUB 2HB-5UHNWBa2-5Upa 5H5ea 3HNW5B35UHN-Ba-W-NI -pHU-N3a eaBa Xa-WU2a H2HNUaWHXW5-5a HBXaIaB-22 2UW5aI 12-N5W U22a32a-B2 -BaI -11aI -NI Ba3HBaI -2HN U5e5ea N aBWHXUNIUpUU -2WUNa-3e3H2HN -NI 5eaUB BaWa35Upa3HNIU5UHN HB-5UHNWHX2UW5aI -NU-2Wa3UaW U22-2WH a -BaI -11aI -NI Ba3HBaI H5ea - U a5aN5Xa-WU2a 3HNW5B35UHN-Ba-W-NI -33aWWBH-IW U22a-I W5aI 5H-pHU2HWWHXUNIUpUU -2UW5aI 12-N5W-NI -NU-2W -NI I- -/a5He- U5-5WW11HB5UN 5eaWaWa3UaWTNIUpUU -2WHX2UW5aI U2I2UXa Wa3UaWUN5eaR g H5eaB5e-N UBIW-NI H5eaB H U2aWa3UaW U22a3-15BaI UX 1HWWU2a UH2H/UW5W U5e5ea-11BH1B-J5a1aB U5W-NI Ba2HB-5aI 5HWU5- 2a e- U5-5H5WUa5eaR g

T g eaBaU1-35W5H2UW5aI 12-N5Wa3UaW-Ba N-pHU- 2a NUg aW5aBN U22Iapa2Hl-NI U12a aN5 5H/a5eaB U5e5ea2UW5UN -/aN3 - W2p-/a 1BH1-/-5UHN Ba12-N5UN -NI HN5HBUN 1BH/B 5e-5 H2I 5U2Ua H5eWaI -NI W2p-/aI 12-N5W3HNW5I5 5UN - Ba1BaWaN5-5Upa W 12a HXa-3e3H2HN HX5eaWa3UaW 5e-5 H2I a-Xa35aI ea1BH/B U22UN32Ia a-WBaW5H1aBa5-5a5ea /aNa5U32UNaWBa1BaWaN5aI 5H5ea - U a5aN5Xa-WU2a ea1BH/B U22a -11BHpaI 5ea-11BH1B-J5aBaWIB3a1BH5a35UHN-/aN3UaWIBUHB5HU5W U12a aN5-5UHN, 35Up5UaWUNpH2pUN e-NI 2UN HXW5-5a HBXaIaB-22 2UW5aI 12-N5 Wa3UaW - Ba UBa1aB U5W-Wa22-W- a HB-NI HX NIaBW5-NIUN XBH 5ea 4Mg4HB M ea NUg aW5aBNW2p-/a1BH1-/-5UHN Ba12-N5UN -NI

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HNSHBNV 1BHYB U22UN3HBHHB5a 1BHpUWHNWXHBBa3Ba-5UNV WU5- 2ae- U5-5-NI
a-WBaWXHBBa aW5- 2WeUNV Wa2XWW5-UNUNV 3HZHNaWHX2W5aI 12-N5Wa3UaWWeH 2I
5ea a-Xa35aI HN5ea p-BUH WIBHa35W5aW ea 1BHYB- U22UN32Ia 1BHpUWHNW
XHB HNSHBNV -NI 1aBXHB -N3a 3B5aBU- UN32IUNV -N-NN-2-WaWW aN5HX
1BHYBaWW-NI 1BHpUWHNWXHBBa aIU-2-35UHNUX1aBXHB -N3a 3B5aBU- Ba N-5 aUNV
a5

T BUHB5H/BH NI IUW5B-N3a HBHHeaB-35pU5UaW -2UXaI U2I2UXa
UH2HYUW5W U22WBpa -221BH1HWaI 3HNW5B35UHN W5-/UNV W5HB 1U2a -NI -33aWW
-Ba-WXHB1BaWN3a HXNHN2W5aI WaNW5Upa U2I2UXa Wa3UaW Ba3HNW5B35UHN
WBpa W U225- a12-3a I BUNV 5ea-11BH1BU-5a Wa-WHN-NI UN-33HB-N3a U5e
aW5- 2WeaI 1BH5H3H2WUXBa UBaI eaWa WBpa W U22 a3HNI 35aI UN-22
3HNW5B35UHN-Ba-W5e-5H33 BUNN-5Upa e- U5-5WTN5ea apaN55e-5NHN2W5aI
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WBpa W NUg aW5aBN U22U12a aN55ea XH2H UNV a-WBaW

- HB-5UHNWHXNHN2W5aI WaNW5Upa-NU-2WXH NI I BUNV 5ea WBpa W U22-2WI a
-BaI -11aI -NI Ba3HBaI HB-5UHNWHX BBH UNV -NU-2W U22 a
-pHUaI eaBa Xa-WU2a

TNIUpUU -2WHXNHN2W5aI WaNW5Upa U2I2UXa Wa3UaWUN5ea R g H5eaB5e-N
UBW U22 a3-15 BaI -NI Ba2HB-5aI 5HWU5- 2ae- U5-5H5WUa5ea R g

3 g eaBa NaW5UNV HXNHN2W5aI WaNW5Upa UB Wa3UaWUWXH NI 5HHB3 B U5eUN5ea
R g pa/a5-5UHN32a-BUNV U22 a3HNI 35aI H5WUa5ea NaW5UNV Wa-WHN

T BUHB5H/BH NI IUW5B-N3a HBHHeaB-35pU5UaW -2UXaI H5-NUW5W U22
WBpa -221BH1HWaI 3HNW5B35UHN W5-/UNV W5HB 1U2a -NI -33aWW-Ba-WXHB1BaWN3a
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I BUNV 5ea-11BH1BU-5a Wa-WHN-NI UN-33HB-N3a U5e aW5- 2WeaI 1BH5H3H2WUX
Ba UBaI eaWa WBpa W U22 a3HNI 35aI UN-223HNW5B35UHN-Ba-W5e-5H33 BUN
N-5Upa e- U5-5WTN5ea apaN55e-5NHN2W5aI WaNW5Upa 12-N5Wa3UaW-Ba H WaBpaI UN
5ea U1-35-Ba-I BUNV 1Ba 1BHa35WBpa W NUg aW5aBN U22U12a aN55ea
XH2H UNV a-WBaW

- H2HNaW U22 a32a-B2 -BaI -11aI -NI Ba3HBaI -2HNV U5e5ea
N aBWHXUNIUpUU -2WUNa-3e3H2HN -NI 5eaUBBaWa35Upa3HNIU5UHN H5ea
a 5aN5Xa-WU2a 3HNW5B35UHN-Ba-W-NI -33aWWBH-IW U22 a3HNXU BaI 5H
-pHU HB UNU Ua2HWWHXUNIUpUU -212-N5-NI HBI- -/a5HHB3 1UaI e- U5-5W

g eaBa U1-35W5HNHN2W5aI WaNW5Upa 12-N5Wa3UaW-Ba N-pHU- 2a
NUg aW5aBN U22Iapa2H1 -NI U12a aN5- W2p-/a1BH1-/-5UHN Ba12-N5UNV
-NI HN5HBNV 1BHYB 5e-5 H21 5U2Ua H5eWaI -NI W2p-/aI 12-N5W
3HNW5U5 5UNV -N- 12a -NI Ba1BaWN5-5Upa W 12a HXa-3e3H2HN

T HBaI 3aU1-35WHN UH2HYU3-2BaWH B3aW NUg aW5aBN U22
Ba-2UN1Ua2UNaW5H-pHU WaNW5Upa BaWH B3aW-NI e- U5-55H5ea - U a5aN5

- 41a3U2 213-5UHN *Guidelines for Evaluating and Mitigating Seismic Hazards in California*

4H 5eaBN -2UXHBNU S-B5e - a aN5aB *Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California* 4 S

S NUg aW5aBN U22U 12a aN5WaUW U3 Ba2-5aI Ba3H aNI-5UHNW 3HN5-UNaI UN- W5a WUa3UX3 / aH5a3eN3-2Ba1HB5 -WI UW5 WaI UN S 5H UNU Ua WaUW U3-22 UNI 3aI I- -/a 5H5ea 1Ua2UNa

S , -5aBX2H W5 5HXX a3e-NUW U22 a UNW5-22aI NUg aW5aBN -55ea 2 N/a HH2 Ua2UNa TN5- a 45B 35 Ba 5H5aB UN-5a X2H U aIU-5a2 XH22H UN/ -2-B/a a-B5e - a UN5ea pU3UN5 HX5ea W5a

S NUg aW5aBN U223H 12a5a a aB/aN3 Ba1-UBW5H5ea 1Ua2UNa -NI HBBa2-5aI X-3U25aWUN5ea apaN5HXWaUW U3-22 UNI 3aI I- -/a S -NI S U22 a-1122aI 5HBaI 3a aB-HWHN Ba2-5aI U 1-35W-WW3U-5aI U5e WH2IUW5 B-N3a I BUN/ a aB/aN3 Ba1-UBW

S NUg aW5aBN U22U 12a aN5-/BH NI -5aB2apa2 HN5HBUN/ 1BH/B WUN/ I-5-XBH TNIa g a22W eUWUNXHB -5UHN U22 a WaI UN 3HN N35UHN U5e XHBa3-W5W-HX/BH NI -5aB2apa2WIaBpaI XBH NUg aW5aBN UN5a/B-5aI WBX-3a-NI /BH NI -5aB HIa2W5HUaN5UX 5BaNI WUN/BH NI -5aB 2apa2W-NI UIaN5UX 3e-N/aWIUBa352 -55BU 5- 2a 5H5ea BHa35 H5ea a 5aN5 Xa-WU2a/UpaNa UW5UN/ UNXB-W5B 35 Ba, -NI 3HNWW5aN5 U5e aa5UN/ H5eaB -WUN -N-/a aN5H a35UpaW NUg aW5aBN U22IUBa35 BHa35 -5aBWBa-IUN/ 5H2U U5 eU/e/BH NI -5aB3HNIU5UHNW/BH NI -5aB U5eUN Xaa5HX/BH NI WBX-3a UN 5ea pU3UN5 HX apU2 -N HN 52a Baa U22 Baa -NI -Ba-WUN5ea XHBa - -NI UN5aB aIU-5a-Ba- HX5ea 4 ,

S NUg aW5aBN U22U 12a aN5-/BH NI -5aB2apa2 HN5HBUN/ 1BH/B WUN/ I-5-XBH TNIa g a22W WaMU Ba eUWUNXHB -5UHN U22 a WaI UN3HN N35UHN U5e XHBa3-W5W-HX/BH NI -5aB2apa2WIaBpaI XBH NUg aW5aBNUN5a/B-5aI WBX-3a-NI /BH NI -5aB HIa2W5HUaN5UX 5BaNI WUN /BH NI -5aB2apa2W-NI UWH2-5a 3e-N/aW-55BU 5- 2a 5H5ea BHa35 H5ea a 5aN5 Xa-WU2a/UpaNa UW5UN/ UNXB-W5B 35 Ba, -NI 3HNWW5aN5 U5e aa5UN/ H5eaB -WUN -N-/a aN5H a35UpaW NUg aW5aBN U22IUBa35 BHa35 -5aBWBa-IUN/ 5H2U U5 1H5aN5U-2XHBW WUaN3a UN5ea BaWBa HNa-Ba- HX5ea 4 ,

, NUg aW5aBN U22aN3H B/a5ea 3HN5B-35HB5H Wa a 2WXaI IdaW2 Xa2UN3HNW5B 35UHNa U aN5 eaBa Xa-WU2a Wa HX5eUW-25aBN-5Upa IdaW2 Xa2 H 2I BaI 3a -NI a UWWHNW -NI 1aB3aN5 BaWa35Upa2 XBH 3HNpaN5UHN-2IdaW2 , R

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Tg S4 SR S T T -/a

R TN5ea apaN5HX-N N-N5U3U-5aI -B3e-aH2H/U3-2HB1-2aHN5H2H/U3-2 BaWH B3a IUW3HpaB I BUV 3HNWSB 35UHN-22/BH NI IUW B-N3aW U5eUN Xaa5HX 5ea IUW3HpaB U22 a e-25aI HBBaIUBa35aI 5H-H5eaB-Ba-W N5U25ea IUW3HpaB e-W aaNIHB aN5aI - -2UXaI -B3e-aH2H/UW3HB1-2aHN5H2H/UW -NI U5WIH5aN5U-2 WUNUX3-N3a ap-2 -5aI 3HNWW5aN5 U5e S , RaWH B3aW3HNWUaBaI WUNUX3-N5 U22 a -pHUaI BHa35BaIaWUN TX-pHU-N3a UWNH5Xa-WU2a 5ea BaWH B3a U22 a W a355H- I-5- Ba3HpaB U5U-5UHN1BH/B -W-11BH1B-J5a TXe -N Ba -UNW-BaIUW3HpaBaI 5ea H N5 HBBHNaB U22 a 3HN5-35aI -NI -221B-BaI BaW Ba UBaI 5ea -2UXHBNU- a-25e -NI 4-Xa5 HIa Wa35UHN 45-5a S , UIa2UNaWWa35UHN a -NI R 4a35UHN U22 a XH2H aI

R BH1HWaI 3HNWSB 35UHNHX5ea 2 N/a HH2 UIa2UNa U22-pHU 1e W3-2 U 1-35W5H5ea MB-N3UW 552a g aUB - 5H5ea a 5aN5Xa-WU2a TN5ea apaN55e-5 -N 1HB5UHNHX5ea MB-N3UW 552a g aUB - H 21 a HIUXaI HBIa H2UWaI - -2UXaI -B3eU5a35 B-2eUW3HB-UN U221Ba1-Ba - eUW3HB3 Ba3HB-5UHNHX5ea MB-N3UW 552a g aUB - UN5ea 3HN5a 5HX5ea HNWaBp-5UHN UW3B35 W BH NI -5aB WBa-IUN WW3a ea Ba3HB-5UHN U223HNXHB 5H5ea W3-NI-B WHXaU5eaB5ea UW3HB3, aB3-N U21UNW4 Bpa , 4 HB5ea UW3HB3, aB3-N SN/UNaaBUN Ra3HB , SR

R BUHB5H3HNWSB 35UHN-35pU5UaW-2HN/ 5ea Wa/ aN5HX5ea 2 N/a HH2 UIa2UNa e-WaT-2U/NaI NHB5e HX BaaNWH5RH-I 5ea 2H3-5UHNHX5ea HB5e MHB -N-2 U22 a 1Ba3UW2 -11aI HNaN/UNaaBUN IaWUN12-NW5HUIaN5UX eaBa 5ea 3-N-2X-22W U5eUN5ea 3HNWSB 35UHN3HBBUHB a 1HB3B XaN3UN/ U22 a 12-3aI Xaa5WH 5e HX5ea 3-N-2-2HN/ 5ea 1HB5UHNHX5ea 3-N-25e-5X-22W U5eUN5ea 3HNWSB 35UHN3HBBUHB5H1BHpUIa - W -22 XXaB-Ba- -NI NHea-p 3HNWSB 35UHN a UI aN5HBpaeU32aW U22 a -22H aI NHB5e HX5ea XaN3UN/

R TXU5UWNa3aWWB 5HUNW5-225ea HB5HN -N HN HNNa35HBTT UIa2UNa 5eBH/e 5ea H2a UN5ea g -22 U5eUN BaaNWH5 BU/a WBa5-UNUN/ -22 3HNWSB 35UHN-35pU5UaW U22 a 3HNXUNaI 5H1BapUH W2 IUW3 BaI Wa35UHNWHN2 -NI 5ea -22 U22 a BaW3HBaI 5H1Ba BHa353HNIU5UHNW BUHB5H3HNWSB 35UHN- -2UXaI -B3eU5a35 B-2eUW3HB-UN U22BapUa 5ea XUN-23HNWSB 35UHNIaWUNWHX5ea HB5HN -N HN HNNa35HBTT UIa2UNa 5HpaBUX -pHU-N3a HXWUNUX3-N5U 1-35W 5H-N BaaNWH5 BU/a Xa-5 Ba

T

- , 3HNWSB 35UHNNHUWa HN5HB UIaN5UXaI 5ea BHa351BH1HNaN5W U22 a BaWHNWU2a XHBHpaBWaUN/ 5ea 3HN5B35HBWU 12a aN5-5UHNHX5ea NHUWa U5U-5UHN a-WBaW ea HN5HB U22-2WH a 5ea 1HUN5HX3HN5-35XHBNHUWa 3H 12-UN5W

HNWSB 35UHN U22H-33 BHN2 XBH HNI- 5eBH/e MBU- a5 aaN - -NI 1 H3HNWSB 35UHN U22H-33 BHN aa aNIWHBeH2U- W

3 HUWa / aNaB-5UN 3HNWSB 35UHNa UI aN5 U22 a 2aWW5e-N a-BWH2I HB UX H2IaB U22NH5/aNaB-5a eUeaBNHUWa 2apa2W5e-NNa 2H NHUWa/aNaB-5UN HIa2W HB aN5-5UHN U22 a 1BHpUaI 5ea 3HNSB-35HB

I HNWSB 35UHNa UI aN5 U22 a-33aWWHBUaI U5e 5ea -N X-35 BaBW Ba3H aNIaI NHUWa-55aN-5UHNIapU3aWW3e-WWH NI XX2aBWHBWa2X -I W5UN -3 1-2-B W-NI a-11BH1BU-5a2 -UN5-UNaI

a TNNHUWa WaNW5Upa-Ba-W5a 1HB-B NHUWa -BBaBW U22 a 2HB-5aI -BH NI eUe NHUWa/aNaB-5UN a UI aN5

X 2-3a aN5HX3HNWSB 35UHNa UI aN5I BUN 5U aWHXH1aB-5UHN U225- a UN5H -33H N55ea 2HB-5UHNHXNHUWa WaNW5Upa Ba3a15HBW

/ g eaBa NHUWa 2apa2W-Ba a 1a35aI 5H a eUe -Ip-N3aI -BNUN UN B5UN U22 a/UpaN5H1BaWUaN5WUN5ea pU3UN5 HX3HNWSB 35UHN-35UpU5UaWUNU3-5UN 5ea a 1a35aI I B-5UHNHX5ea-35UpU5UaW

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- 41a3UX3 aB aI a UI aN5 -UN5aN-N3a-NI BaXa2UN-Ba-W

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3 - -BH W -5aB-J2WU232a-N 1a UI aN5HNW5a a/ - WHBaN51-IW WeHpa2W-NI -/W5H3HN5-UN3HN5- UN-5aI WH2

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, WUV -p-U2- 2aI -5- UV3HN N35UHN U5e 5ea UN5a/B-5aI WBX3a -NI /BH NI -5aB HIa2W NUg aW5aBN U22UaN5UX /BH NI -5aB5BaNI WUV32 IUV 12 a Hpa aN5-NI UWI2-5a 3e-N/aW-55BU 5- 2a 5H5ea BHa35 H5ea a 5aN5 Xa-WU2a/UpaNa UW5UV UVXB-W5B 35 Ba, -NI 3HNWW5aN5 U5e aa5UV H5eaB -WUN -N-/a aN5H a35UpaW NUg aW5aBN U22IUBa35 BHa35 -5aBWBa-IUV 5H2U U5 -IpaBWa 12 a Hpa aN5W

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4 -B5HX5ea e-WaT 2N/a HH2 Ua2UNa 3H 2I aBa12-3aI -5NNa2 -NI 5ea 2aN/5eHX5ea e-WaTTT 2N/a HH2 Ua2UNa 3H 2I a WeHB5aNaI , W

MUNI UV WE STR XHB4-N5-, N-RUpaBg -5aBRUe5, 1123-5UHNW -Bse

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paeU32aW5e-5NaaI 5H-33aWW4apaN - W - -NI RaWBpHUB5H-N-25aBN-5a-33aWW
5H4apaN - W - Wa Ma/ Ba eUWa5H BBH 5a U22-22H - 5eHBUaI
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-NI W-Xa5 2U/e5W

4 HNWW5aN5 U5e 5ea IUBa35UHNHX5ea 4apaN - W, 33HB 5H-pHU -
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C. Benefits of the Project

g -5aB4 112 Ra2J- U25

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D. Conclusion

-pUW BaI 3aI 5ea aXXa35WHX5ea BHa35 -IH15UV -22Xa-WU2a U5U-5UHN a-WBaW-NI -2-N3aI 5ea aNaX5WHX5ea BHa35-/-UNW55ea BHa35WIH5aN5U-2 N-pHUJ- 2a -IpaBWa U 1-35W 5ea NUg aW5aBN H-B WHX UBa35HBWeaBa Ia5aB UNa5e-55ea Wa3UX3 HpaBBUUV a3HNH U3 2a/-2 WBU-2 5a3eNH2H/U3-2 HBH5eaB aNaX5WHX5ea BHa35H 5 aUe 5ea 1H5aN5U-2 N-pHUJ- 2a -IpaBWa aXXa35WHX5ea BHa35HN5ea aNpUBHN aN5

Attachments

, U5U-5UHN HNU5HBUV -NI Ra1HB5UV 2-N

4 -B HXRaWI B3aW-NI aH/B-1eU3, Ba-W, XXa35aI H5e
5ea BHa35-NI Ra2-5aI BHa35W B-X5STR - 2a

Attachment A: Mitigation Monitoring and Reporting Plan

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Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Surface Water Hydrology and Water Quality					
MM SW-1**:**	Because anaerobic conditions are a problem associated with current operations at Seven Oaks Dam, it is anticipated that the operators of the dam (San Bernardino, Riverside, and Orange County Flood Control Districts, known as the 'Local Sponsors') will implement a program (such as water quality monitoring and aeration) to avoid and reverse anaerobic conditions so that water quality objectives are not exceeded. In those years when the Project results in seasonal water conservation storage behind Seven Oaks Dam, Muni/Western will participate in such a preventative program and provide funding, proportional to the volume of seasonal water conservation storage behind Seven Oaks Dam. (Draft EIR page 3.1-35)	The maintenance of water quality standards for water stored in Seven Oaks Reservoir is the responsibility of the Local Sponsors. Muni/Western will contribute, on a proportional basis, to measures designed to accomplish this goal.	During seasonal water conservation storage	Program description and compliance report to Muni/Western Boards	Annual during years when seasonal storage occurs.
MM SW-2:	An energy dissipation structure, a device to slow fast moving flows so as to prevent erosion, will be placed at the terminus of the pipeline delivering water to the Lytle Basins channel to ensure that water from the Project does not scour or erode the channel. (Draft EIR page 3.1-36)	Muni/Western	Project operations	Compliance report to Muni/Western Boards	Before use of Lytle Basins channel
Groundwater Hydrology and Water Quality					
MM GW-1:	Using available reliable data, Muni/Western will, on an annual basis, evaluate impacts of the Project on TDS concentrations in the SBBA. To the extent feasible given existing infrastructure, and consistent with meeting other basin management objectives, Muni/Western will direct Project water spreading to reduce significant TDS impacts. (Draft EIR page 3.2-29)	Muni/Western	Throughout project operations	Impact report to Muni/Western Boards	Annually

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM GW- 2: Using available data, Muni/Western will, on an annual basis, evaluate impacts of the Project on nitrate concentrations in the SBBA. To the extent feasible given existing infrastructure, and consistent with meeting other basin management objectives, Muni Western will direct Project water spreading to reduce significant nitrate impacts. (Draft EIR page 3.2-31; Final EIR page 3-57)	Muni/Western	Throughout project operations	Impact report to Muni/Western Boards	Annually
Biological Resources				
MM BIO-1**:** Muni/Western will minimize disturbance to native habitats and listed and non-listed sensitive species by the implementation of the following measures at construction sites prior to and during construction. Where ground disturbance is required, the Muni/Western program will include the following:	Muni/Western	Construction	Construction report to Muni/Western Boards and to MSHMP Committee	Annually from initiation to completion of construction
MM BIO-1 (cont.) ***Restricting Disturbance*** Restriction of staging, construction activities, equipment storage, and personnel to existing disturbed areas (such as roads, pads, or otherwise disturbed areas) to the maximum extent feasible.	Muni/Western	Construction	Construction plans showing limited construction areas, including existing disturbed areas, construction corridors, and biologically sensitive areas, to Muni/Western Boards and to MSHMP Committee	Prior to construction

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Biological Resources (continued)				
MM BIO-1 (cont.) Clearly marking and delineating the limits of the staging areas as well as the construction corridors/zones in the field and graphically on all final construction drawings or blueprints. Personnel and equipment will be prohibited in native habitats outside the construction limits.	Muni/Western	Construction	Construction plans showing limited construction areas, including existing disturbed areas, construction corridors, and biologically sensitive areas, to Muni/Western Boards and to MSHMP Committee	Prior to construction
MM BIO-1 (cont.) Biologically sensitive areas, including individuals or colonies of listed and non-listed sensitive plant species and wildlife species, will be identified and delineated in the field prior to ground disturbance (see MM BIO-3) and will be clearly marked graphically on all final construction plans or blueprints so they will be avoided to the maximum extent feasible.	Muni/Western	Construction	Construction plans showing limited construction areas, including existing disturbed areas, construction corridors, and biologically sensitive areas, to Muni/Western Boards and to MSHMP Committee	Prior to construction

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-1 (cont.) Use methods to minimize the construction corridor width to the maximum extent feasible in sensitive habitats, such as transporting and stockpiling excavated materials in disturbed areas off the right-of-way (ROW), or into other parts of the ROW, by truck or conveyor belt.	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Monthly
MM BIO-1 (cont.) ***Employee Training*** Implementation of an employee training program. Muni/Western's program will include an initial meeting with all personnel presented by a qualified biologist familiar with all affected species, habitats, and permit conditions. The employee training program will include a discussion of each species, all applicable laws, the permit conditions, and the potential penalties for violating permit conditions. The employee training program will be conducted before construction activities begin. Regular updates will occur during weekly tailgate meetings with construction personnel, and newly hired personnel will be informed of the permit conditions as well as the habitat and species issues before working on the Project site.	Muni/Western	Construction	Training program syllabus and training sign-in sheets to Muni/Western Boards and to MSHMP Committee	Annually from initiation to completion of construction

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-1 (cont.) ***On-Site Monitoring*** Biological monitoring of habitat clearing activities and removal of sedentary animals, both common and sensitive, within the ROW prior to clearing. This will require a qualified biologist to be at the location of habitat removal before clearing to attempt to remove animals where visible and, during removal activities, to ensure that no inadvertent impacts to adjacent habitats occur. Weekly inspections of the ROW perimeter near work areas will also reduce the potential for inadvertent impacts to adjacent habitat.	Muni/Western	Construction	Monitoring report to Muni/Western Boards and to MSHMP Committee	Monthly
Biological Resources (continued)				
MM BIO-1 (cont.) ***Best Management Practices (BMPs)*** Dust control. All areas of mechanical ground disturbance, including dirt access roadways, will be consistently moistened to reduce the creation of dust clouds. The frequency of watering will be consistent with the desired goal and in accordance with regional standards and BMPs.	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Monthly
MM BIO-1 (cont.) Erosion control. Devices such as straw bales and "v" ditches will be installed in areas where construction activities may directly or indirectly cause increased erosion or sediment deposition on adjacent habitats.	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Monthly

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-1 (cont.) Routine removal of trash from construction areas. All refuse, including non-construction materials such as paper and miscellaneous food packaging materials, will be removed from the ROW to prevent littering of the adjacent habitat areas outside of the ROW. At a minimum, site clean-ups should occur weekly.	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Monthly
MM BIO-1 (cont.) ***Listed Species Protection Measures*** In areas where the SBKR is present, either within or adjacent to the ROW, Muni/Western will install exclusionary fencing where appropriate to reduce the potential for SBKR entering the ROW. Specifications for the fencing will be particular to the goal of SBKR exclusion and will be approved by the USFWS. Muni/Western may not install fencing in certain areas such as boulder-strewn washes where fence construction may cause substantial habitat disturbance. Following the installation of fencing, the animals within the ROW will be trapped and released within adjacent suitable habitat outside the ROW. These methods will be approved by the USFWS.	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Before initiation of construction, then monthly throughout construction

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-1 (cont.) In areas where the SBKR is present, either within or adjacent to the ROW, Muni/Western will limit construction activities to daylight hours (approximately 7:00 A.M. to 6:00 P.M.). During night hours, no activities that would unnaturally increase the light or noise within adjacent occupied habitat will occur.	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Monthly
Biological Resources (continued)				
MM BIO-1 (cont.) In areas where the SBKR, CAGN, least Bell's vireo, or southwestern willow flycatcher are present, either within or adjacent to the ROW, Muni/Western will avoid or reduce construction activities in the vicinity of occupied habitat during the breeding season. Avoidance will take place from March 1 through June 30. In certain areas, avoidance of southwestern willow flycatcher will continue through July 31. Where complete avoidance is not possible, construction activities will be conducted in a manner that attempts to minimize disturbance during early morning hours and avoids the most sensitive breeding months of April and May.	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Monthly

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-1 (cont.) In areas where preconstruction sensitive species surveys and other seasonally limited activities such as seed collection and plant propagation are propagation are needed, Muni/Western will prepare a calendar of when such activities need to be accomplished and incorporate this into design and construction schedules to ensure that the surveys can be conducted in the appropriate season without causing delays. (Draft EIR page 3.3-37 through 3.3-39; Final EIR Section 2.4)	Muni/Western	Construction	Compliance report, including calendar of preconstruction survey activities, to Muni/Western Boards and to MSHMP Committee	Before initiation of construction, then monthly throughout construction

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Biological Resources (continued)				
MM BIO-2**:** Muni/Western will develop a Habitat Revegetation, Restoration, and Monitoring Program (Program), obtaining input from CDFG and USFWS, for implementation in all habitat areas directly affected by construction activities. The Program will include the following measures: ***Invasive Species Control*** • Where appropriate and feasible, the area to be disturbed will be treated to kill invasive exotics species and limit their seed production before initiating any earthmoving activity with the objectives of (1) preventing invasive species from spreading from the disturbance area, and (2) removing weed sources from the salvaged topsoil. Herbicides will be used only by a licensed herbicide applicator and may require notification to property owners or resource agencies. The treatment will be completed before earthmoving in order for this mitigation to have its intended effect (e.g., the treatment would need to occur before target species set seed).	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Before initiation of construction activities

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Biological Resources (continued)				
MM BIO-2 (cont.) ***Topsoil Salvage and Replacement*** • In areas where vegetation and soil are to be removed, the topsoil will be salvaged and replaced, where practicable. This may be accomplished using two lifts, the first to salvage the seed bank, and the second to salvage soil along with soil biota in the root zone. Soil will be stockpiled in two areas near the Project site, with the seed bank labeled to identify it. Topsoil will be replaced in the proper layers after final reconfiguration of disturbed areas. Where presence of extensive deposits of boulders and cobbles limit the opportunity to salvage topsoil and make the above-mentioned procedure infeasible, Muni/Western will salvage available surface material and stockpile it for replacement on the surface of the restored area. Stockpiles will be covered if the soil is to be left for an extended period to prevent losses due to erosion and invasion of weeds.	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Monthly

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-2 (cont.) ***Habitat Rehabilitation and Revegetation*** • Muni/Western will develop and implement plans and specifications for replanting areas disturbed by the Project. Replanting will be with native species propagated from locally collected seed or cuttings, and, if applicable, will include seed of sensitive species that would be impacted during construction activities.	Muni/Western	Construction, post-construction	Written plan for replanting areas disturbed by the Project, to Muni/Western Boards and to MSHMP Committee	By completion of construction
Biological Resources (continued)				
MM BIO-2 (cont.) Monitoring procedures and performance criteria will be developed by Muni/Western to address revegetation and erosion control. The performance criteria will consider the level of disturbance and the condition of adjacent habitats. Monitoring will continue for 3-5 years, or until performance criteria have been met. Appropriate remedial measures, such as replanting, erosion control or weed control, will be identified and implemented if it is determined that performance criteria are not being met. (Draft EIR page 3.3-39 through 3.3-40; Final EIR Section 2.4)	Muni/Western	Construction, post-construction	Written plan for monitoring procedures and monitoring reports to Muni/Western Boards and to MSHMP Committee	By completion of construction (written plan); monthly (monitoring reports) until performance criteria have been met

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-3: Before ground disturbance or other activities, qualified botanists and wildlife biologists will survey all proposed conduction, staging, stockpile, and access areas for presence of state-or federally-listed plant or wildlife species. Preconstruction surveys will occur during the appropriate season and in accordance with established protocols (if required). These surveys will be conducted in all construction areas that occur in riparian, RAFSS, RSS, chaparral, or other native habitats. These surveys are for the purpose of documenting their locations relative to the construction areas and avoidance where feasible.	Muni/Western	Pre-Construction	Biological survey to Muni/Western Boards and to MSHMP Committee	Before initiation of construction activities
Biological Resources (continued)				
MM BIO-3 (cont.) Colonies of state- or federally-listed plants will be clearly marked, mapped, and recorded along with the numbers of individuals in each colony and their respective condition. Locations of listed animal species will also be market, mapped, and recorded. To the maximum extent feasible, construction areas and access roads will be adjusted to avoid loss of individual listed plants and animals and damage to habitats supporting these species. Individuals of listed wildlife species in the ROW, other than birds and other mobile species, will be captured if possible by biologists with the appropriate permits and relocated to suitable habitat outside the ROW. (Draft EIR page 3.3-40)				

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-4: Where impacts to listed plant species are unavoidable, Muni/Western will develop and implement, together with the listing agency, a salvage, propagation, replanting, and monitoring program that would utilize both seed and salvaged plants constituting a representative sample of each colony of the species that would be affected. The program will include measures to perpetuate the genetic lines represented to the maximum extent feasible. The program will be approved by the appropriate resource protection agencies prior to its implementation. Activities involving handling of state- or federally- listed plant species may require permits as well as a memorandum of understanding from the USFWS or CDFG.	Muni/Western	Construction	Program description to Muni/Western Boards and to MSHMP Committee	Before initiation of construction where feasible
Biological Resources (continued)				
MM BIO-4 (cont.) The Muni/Western salvage, propagation, replanting, and monitoring program will incorporate provisions for recreating suitable habitat and measures for re-establishing self-sustaining colonies of listed plant species, should they be affected on the various project sites. The program will include provisions for monitoring and performance criteria, including an annual assessment of progress, and provisions for remedial action if performance criteria are not being met. (Draft EIR page 3.3-40)				

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-5: Prior to ground disturbance or other activities, qualified wildlife biologists will survey all proposed construction, staging, stockpile, and access areas for presence of non-listed sensitive wildlife species. Preconstruction surveys will take place during the appropriate season and in accordance with established protocols (if required). These surveys will be conducted in all construction areas that occur in native habitats. In the event that non-listed sensitive wildlife species are observed in the impact area during these pre-project surveys, Muni/Western will implement the following measures:	Muni/Western	Pre-Construction	Biological survey, map of sensitive species locations, and compliance report to Muni/Western Boards and to MSHMP Committee	Before initiation of construction activities (survey and map); annually (compliance report)
Biological Resources (continued)				
MM BIO-5 (cont.) • Locations of non-listed sensitive animals found during the surveys will also be marked, mapped, and recorded. Locations of burrowing animals will be avoided where feasible. • Individuals of non-listed sensitive wildlife species in the ROW, other than birds, will be captured and relocated to suitable habitat outside the ROW. • Where nesting of non-listed sensitive bird species is found to occur within the ROW, vegetation clearing will be conducted outside the nesting season. (Draft EIR page 3.3-41)				

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-6: Prior to ground disturbance or other activities, qualified botanists will survey all proposed construction, staging, stockpile, and access areas for presence of non-listed sensitive plant species. Preconstruction surveys will occur during the appropriate season and in accordance with established protocols (if required). These surveys will be conducted in all construction areas that occur in native habitats. In the event that non-listed sensitive plant species are observed in the impact area during pre-Project surveys, Muni/Western will implement the following measures:	Muni/Western	Pre-construction	Biological survey, map of sensitive species location, and monitoring program description to Muni/Western Boards and to MSHMP Committee	Before initiation of construction
Biological Resources (continued)				
MM BIO-6 (cont.) (a) Colonies will be clearly marked, mapped, and recorded along with the numbers of individuals in each colony and their respective condition. To the extent feasible, construction areas and access roads will be configured to avoid or minimize loss of individual plants and damage to occupied habitats. (b) Where impacts to non-listed sensitive plant species are unavoidable, Muni/Western will develop and implement a salvage, propagation, replanting, and monitoring program that will use both seed and salvaged plants constituting an ample and representative sample of each colony. (Draft EIR page 3.3-42)				

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM BIO-7**:**	To reduce impacts on biological resources, Muni/Western will realign pipelines to avoid sensitive resources and habitat to the maximum extent feasible. Specifically, Muni/Western will realign Phase II of the Plunge Pool Pipeline northward and place it adjacent to Greenspot Road (see Draft EIR Figure 3.3-7). This will put the Project-related disturbance at the edge of the habitat and avoid bisecting the intermediate to mature RAFSS habitat along the western portion of the alignment. If it is infeasible to implement MM BIO-7, then the residual impact could be compensated by implementation of MM BIO-8, which is intended to compensate for permanent or long-term losses of sensitive RAFSS habitat as a result of installation of permanent facilities or long-term construction impacts that cannot be fully mitigated by MM BIO-1, MM BIO-2, and MM BIO-7. (Draft EIR page 3.3-44)	Muni/Western	Construction	Compliance report to Muni/Western Boards and to MSHMP Committee	Before initiation of construction of Phase II of the Plunge Pool Pipeline

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Biological Resources (continued)					
MM BIO-8**:**	To compensate for permanent long-term and temporal losses of RAFSS habitat and RAFSS habitat value, Muni/Western will acquire, for every 1 acre impacted, a minimum of 1 acre of good quality habitat of similar or greater habitat value than the RAFSS area impacted by the Plunge Pool Pipeline and dedicate it in perpetuity as a habitat conservation easement area, or other appropriate designation, and provide funding for its future management as native habitat in perpetuity. The acquired RAFSS habitat area would ideally be contiguous with existing habitat already set aside in the WSPA or other dedicated RAFSS habitat. If good quality habitat in such a locality is not available for purchase, availability of other RAFSS habitat will be investigated, with the objective of obtaining good quality habitat near the Project area. Implementation of this mitigation measure will be subject to the requirement that such long-term mitigation and reporting plans for such acquisitions are to be approved by the Chief of the Division of Water Rights of the State Water Resources Control Board prior to the construction of the Plunge Pool Pipeline. (Draft EIR page 3.3-44; Final EIR Section 2.4)	Muni/Western	Post-construction	Report on compensatory mitigation to Muni/Western Boards and to MSHMP Committee	Upon completion of construction of Plunge Pool Pipeline

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Biological Resources (continued)					
MM BIO-9**:**	Muni/Western will monitor and remove invasive non-native species establishing in the channel and adjacent RAFSS habitats between Seven Oaks Dam and Mill Creek. Target species include species of tamarisk or salt cedar (Tamarix spp.), fountain grass (Pennisetum setaceum), and giant reed (Arundo donax). These species establish in habitats suitable for SBKR and Santa Ana River woolly-star and have the potential to spread further into adjacent suitable habitat areas. Initial control will be established using a combination of physical removal and herbicidal treatment using appropriate environmental safeguards. Herbicides will be used pursuant to manufacturer's instructions and standard measures will be taken to avoid impacts to water quality. Two to several follow-up treatments would be anticipated during the first year with follow-up monitoring and treatments at least once annually in ensuing years. (Draft EIR page 3.3-61; Final EIR Section 2.4)	Muni/Western	Project operations	Monitoring reports to Muni/Western Boards and to MSHMP Committee	Monthly during first year after completion of construction; then annually
MM BIO-10**:**	Muni/Western will develop a program, in coordination with MSHMP agency participants, to selectively restore SBKR and Santa Ana River woolly-star habitat by using habitat manipulation, either by mechanical means or high pressure water, to remove vegetation and leave freshly deposited sand and silt, simulating the habitat-renewing aftermath of natural flooding. This will be done using an adaptive management approach with input from MSHCP stakeholders. If the high pressure water method is used, water will be piped	Muni/Western	Project operations	Program description and monitoring reports to Muni/Western Boards and to MSHMP Committee	By completion of construction activities (program description); annually (monitoring reports)

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
by Muni/Western to areas of suitable habitat.				
Biological Resources (continued)				
MM BIO-10 (cont.) A high-pressure nozzle will be directed at localized areas of habitat determined to be suitable for SBKR and Santa Ana River woolly-star after renewal. The nozzle will be hand-operated or operated from a light vehicle. Treatments will be accomplished in a randomized block design to allow experimental testing of variables such as duration and intensity of spray, addition of clean sand, season of disturbance, application of seed vs. allowing natural dispersal, etc. A rigorous monitoring program funded by Muni/Western will be established to enable the differences among experimental treatments to be determined. The primary indicator of success will be related to development of habitat characteristics identified with pioneer to intermediate RAFSS habitat within which SBKR and Santa Ana River woolly-star populations have been documented. These characteristics are documented in the literature and will be specified as part of the Muni/Western program. The program will be adjusted appropriately as results from earlier efforts become available. The design and implementation of the ongoing effort will be funded by Muni/Western and conducted by representatives of Muni/Western with input from the USFWS and CDFG. A complete description of this method is also included in Appendix E7 of the Draft EIR, Section 2.0. Muni/Western commit to achieving a mitigation performance standard of restoring 10 acres of intermediate- to late-stage RAFSS habitat to				

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
	the early or intermediate stage RAFSS habitat during the first twenty years of Project implementation. (Draft EIR pages 3.3-61 and 3.3-62; Final EIR Section 2.4)				
Geology, Soils, and Mineral Resources					
MM GEO-1**:**	Before beginning construction, a sedimentation and erosion control plan will be prepared by Muni/Western and submitted to the SARWQCB for approval. In addition, a Storm Water Pollution Prevention Plan (SWPPP) will be prepared by Muni/Western and submitted to the SARWQCB for approval prior to construction. Where possible, erosion control measures will be implemented by Muni/Western before beginning work in the rainy season. To minimize short-term impacts associated with erosion and off-site siltation of the SAR, standard erosion and sediment control features will be used during and immediately after grading and excavations. A SWPPP is a requirement of the General Construction Stormwater NPDES Permit. (Draft EIR page 3.4-18; Final EIR page 3-171)	Muni/Western	Pre-construction	Sediment and erosion control plan, SWPPP to Muni/Western Boards and to SARWOCB (SWPPP only)	Before initiation of construction

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM GEO-2**:**	Muni/Western will direct the contractor to install, prior to de-watering activities, energy dissipation devices at discharge points to prevent erosion. Sedimentation basins (such as straw bales lined with filter fabric) will be used at dewatering discharge points to prevent excess downstream sedimentation. These basins will be constructed before dewatering and regularly maintained during construction, including after storm events, to keep them in good working order. A monitor will verify effective operation of energy dissipation features during dewatering. (Draft EIR page 3.4-19; Final EIR page 3-171)	Muni/Western	Construction	Compliance report and maintenance reports to Muni/Western Boards	Monthly

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Geology, Soils, and Mineral Resources (continued)				
MM GEO-3**:** Muni/Western will implement recommendations established in a site-specific geotechnical report, prepared by a qualified geotechnical engineer or engineering geologist. The report recommendations will be based on a comprehensive evaluation of slope stability, seismic, and soil conditions that may affect construction of the pipelines and related facilities. Recommendations will be consistent with provisions of California Code of Regulations, Title 8, Construction Safety Orders. Project grading and excavations will be observed by a geotechnical engineer, engineering geologist, or other qualified representative, to verify compliance with recommendations of the geotechnical report. The geotechnical investigation will be completed in accordance with: • CDMG Special Publication 117, *Guidelines for Evaluating and Mitigating Seismic Hazards in California* (CDMG 1997); and • Southern California Earthquake Center, Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California (SCEC 1999). (Draft EIR page 3.4-20)	Muni/Western	Construction	Copy of geotechnical report to Muni/Western Boards	Before initiation of construction

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Geology, Soils, and Mineral Resources (continued)					
MM GEO-4**:**	Muni/Western will implement seismic-related recommendations contained in a site-specific geotechnical report, as discussed in MM GEO-3, to minimize seismically induced damage to the pipeline. (Draft EIR page 3.4-22)	Muni/Western	Construction	Compliance report to Muni/Western Boards	Upon completion of recommendations in geotechnical report
MM GEO-5**:**	A water flow shut-off mechanism will be installed by Muni/Western at the Plunge Pool Pipeline Intake Structure to terminate flow following a large earthquake in the vicinity of the site. (Draft EIR page 3.4-22)	Muni/Western	Construction	Compliance report to Muni/Western Boards	Upon completion of installation
MM GEO-6**:**	Muni/Western will complete emergency repairs to the pipeline and/or related facilities, in the event of seismically induced damage. MM-GEO-1 and MM GEO-2 will be applied to reduce erosion-related impacts associated with soil disturbance during emergency repairs. (Draft EIR pages 3.4-22 through 3.4-23)	Muni/Western	In the event of seismically induced damage	Compliance report to Muni/Western Boards	Upon completion of emergency repairs

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM GEO-7**:**	Muni/Western will implement a groundwater level monitoring program using data from Index Wells. This information will be used in conjunction with forecasts of groundwater levels derived from the Muni/Western integrated surface and groundwater models to identify trends in groundwater levels and identify changes directly attributable to the Project. To the extent feasible given existing infrastructure, and consistent with meeting other basin management objectives, Muni/Western will direct Project water spreading to limit high groundwater conditions (groundwater within 50 feet of ground surface) in the vicinity of Devil Canyon, Lytle Creek, Mill Creek, and areas in the forebay and intermediate area of the SBBA. (Draft EIR pages 3.4-28)	Muni/Western	Operations	Groundwater monitoring program description and reports on groundwater levels to Muni/Western Boards	By completion of construction (program description); annually (reports)
Geology, Soils, and Mineral Resources (continued)					
MM GEO-8**:**	Muni/Western will implement a groundwater level monitoring program using data from Index Wells (see Draft EIR Figure 3.4-5). This information will be used, in conjunction with forecasts of groundwater levels derived from Muni/Western integrated surface and groundwater models, to identify trends in groundwater levels and isolate changes attributable to the Project. To the extent feasible given existing infrastructure, and consistent with meeting other basin management objectives, Muni/Western will direct Project water spreading to limit the potential for subsidence in the Pressure Zone area of the SBBA. (Draft EIR page 3.4-29)	Muni/Western	Operations	Groundwater monitoring program description and reports on groundwater levels to Muni/Western Boards	By completion of construction (program description); annually (reports)
Air Quality					

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM AQ-1:	Muni/Western will encourage the contractor to use emulsified diesel fuel in construction equipment, where feasible. Use of this alternative diesel fuel would reduce NOx and PM emissions by 14 and 62.9 percent, respectively, from conventional diesel (Draft EIR page 3.8-12).	Muni/Western	Construction	Compliance report to Muni/Western Boards	Annually
MM AQ-2:	Muni/Western will encourage the contractor to use the newest diesel-powered equipment available. (Draft EIR page 3.8-12)	Muni/Western	Construction	Compliance report to Muni/Western Boards	Annually
Cultural Resources					
MM CR-1:	In the event of an unanticipated archaeological or paleontological resource discovery during construction, all ground disturbances within 150 feet of the discovery will be halted or redirected to other areas until the discovery has been documented by a qualified archaeologist or paleontologist, and its potential significance evaluated consistent with CEQA. Resources considered significant will be avoided by Project redesign. If avoidance is not feasible, the resource will be subject to a data recovery mitigation program, as appropriate. If human remains are discovered, the County Coroner will be contacted, and all procedures required by the California Health and Safety Code Section 7050.5, State CEQA Guidelines Section 15064.5(e), and PRC Section 5097.98 will be followed. (Draft EIR page 3.9-19)	Muni/Western	Construction	Compliance report to Muni/Western Boards	Within 30 days of discovery or archaeological or paleontological resource

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM CR-2:	Proposed construction of the Plunge Pool Pipeline will avoid physical impacts to the Francis Cuttle Weir Dam to the extent feasible. In the event that any portion of the Francis Cuttle Weir Dam would be modified or demolished, a qualified architectural historian will prepare a historic recordation of the Francis Cuttle Weir Dam, in the context of the Conservation District's groundwater spreading system. The recordation will conform to the standards of either the Historic American Buildings Survey (HABS) or the Historic American Engineering Record (HAER). (Draft EIR page 3.9-20)	Muni/Western	Construction	Compliance report to Muni/Western Boards; historic recordation report (if necessary)	Annually
Cultural Resources (continued)					
MM CR-3:	Prior to construction activities along the segment of the Plunge Pool Pipeline, Phase I, aligned north of Greenspot Road, the location of the North Fork Canal will be precisely mapped on engineering design plans to identify where the canal falls within the construction corridor. Temporary fencing will be placed 5 feet south of the canal along the portion of the canal that falls within the construction corridor to provide a small buffer area, and no heavy construction equipment or vehicles will be allowed north of the fencing. (Draft EIR page 3.9-21)	Muni/Western	Construction	Engineering design plans with map of North Fork Canal and compliance report to Muni/Western Boards	Before construction of the Plunge Pool Pipeline

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM CR-4:	If it is necessary to install the Morton Canyon Connector II Pipeline through the "Hole in the Wall" within the retaining wall of Greenspot Bridge, construction activities will be confined to previously disturbed sections only and the wall will be restored to pre-Project conditions. Prior to construction, a qualified architectural historian will review the final construction designs of the Morton Canyon Connector II Pipeline to verify avoidance of significant impacts to any Greenspot Bridge feature. (Draft EIR page 3.9-24)	Muni/Western	Construction	Historian review report and compliance report to Muni/Western Boards	Before construction of the Morton Canyon Connector II Pipeline (historian report); after construction (compliance report)

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Noise					
MM NOI-1:	A construction noise monitor, identified by the Project proponents, will be responsible for overseeing the contractor's implementation of the noise mitigation measures. The monitor will also be the point of contact for noise complaints. Construction will occur only from Monday through Friday between 7 am and 7 pm. No construction will occur on weekends or holidays. Noise-generating construction equipment will be less than 10 years old or, if older, will not generate higher noise levels than new low-noise generating models. Documentation will be provided by the contractor. Construction equipment will be accessorized with the manufacturers' recommended noise attenuation devices, such as sound mufflers or self-adjusting backup alarms, and be appropriately maintained. In noise sensitive areas, temporary noise barriers will be located around high noise-generating equipment. Placement of construction equipment during times of operation will take into account the location of noise sensitive receptors. Where noise levels are expected to be high, advanced warning in writing will be given to residents in the vicinity of construction activities indicating the expected duration of the activities. (Draft EIR page 3.10-6)	Muni/Western	Construction	Noise monitor report to Muni/Western Boards	Monthly

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Hazardous Materials and Groundwater Contamination					
MM HAZ-1:	Muni/Western will direct the contractor to wash out concrete trucks in a designated area where the material cannot run off into a stream or percolate into the groundwater. This area will be specified on all applicable construction plans and be in place before any concrete is poured. Muni/Western will direct the contractor to service construction vehicles in a manner that contains fluids, such as lubricants, within an impervious area to avoid spill-related water quality impacts. (Draft EIR page 3.12-12)	Muni/Western	Construction	Copy of construction plans; compliance report to Muni/Western Boards	Before initiation of construction (plans); monthly (compliance report)
MM HAZ-2:	Muni/Western will direct the contractor to inspect and, as necessary, service all equipment before it enters the construction site and regularly thereafter, and before working immediately adjacent to the SAR or any other drainage or creek to avoid equipment leak-related water quality impacts. Muni/Western will direct the contractor to repair any leaks or hoses/fittings in poor condition before the equipment begins work. (Draft EIR page 3.12-12)	Muni/Western	Construction	Compliance report to Muni/Western Boards	Monthly throughout construction

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Hazardous Materials and Groundwater Contamination (continued)				
MM HAZ-3: Muni/Western will direct the contractor to prepare a spill prevention and containment plan prior to equipment use on the site. Muni/Western will direct the contractor to follow the spill prevention plan during Project construction to prevent spill-related water quality impacts. This plan will include, but not necessarily be limited to: a. Specific bermed equipment maintenance and refueling areas. b. Bermed and lined hazardous material storage areas on site that are covered during the rainy season. c. Hazardous material spill cleanup equipment on site (e.g., absorbent pads, shovels, and bags to contain contaminated soil). d. Workers trained in the location and use of cleanup equipment. (Draft EIR page 3.12-12)	Muni/Western	Construction	Spill prevention and containment plan to Muni/Western Boards	Before initiation of construction for each construction area
MM HAZ-4: Using available data, in conjunction with the integrated surface and groundwater models, Muni/Western will identify groundwater trends, including plume movement and isolate changes attributable to implementation of the Project. To the extent feasible given existing infrastructure, and consistent with meeting other basin management objectives, Muni/Western will direct Project water spreading to limit adverse plume movements. (Draft EIR page 3.12-14)	Muni/Western	Operations	Report on groundwater trends and any spreading to limit plume movement to Muni/Western Boards	Annually

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Hazardous Materials and Groundwater Contamination (continued)					
MM HAZ-5:	Muni/Western will make an alternative water supply available to parties affected by contaminated wells, or provide treatment for affected wells, at Muni/Western's discretion. The alternative supply or treatment for affected wells will be made available for all times when pertinent water quality standards are exceeded as a result of the Project. (Final EIR section 2.3.2).	Muni/Western	Throughout project operations	Report to Muni./Western Boards	In the event this mitigation measure is triggered, a report must be submitted within 30 days and monthly thereafter
MM HAZ-6:	Muni/Western shall not spread water diverted or stored pursuant to the Project in the Cactus Spreading and Flood Control Basins or other locations overlying the Rialto/Colton basin until Muni/Western have completed the development of a groundwater model of the Rialto/Colton basin that includes in its model output estimates of the impacts of the Project on groundwater contaminants. In the event that the model shows that the Project will cause the contamination of any well used to provide a source of potable water, Muni/Western will comply with the terms of MM-HAZ- 5 by providing an alternative source of potable water or treatment of affected wells during the period where the Project contributes to an exceedance of applicable water quality objectives. (Final EIR section 2.3.2)	Muni/Western	Operations	Description of model estimating Project impacts and impact reports	Upon availability of model (description); annually after model is available (reports)

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Public Services, Utilities, and Transportation					
MM PS-1:	During construction, Muni/Western will arrange to use facilities of the Santa Ana River-Mill Creek Cooperative Water Project Agreement to make deliveries to local users that would otherwise receive water from the Plunge Pool By-Pass Pipeline. If exchange cannot replace disrupted delivery, Muni/Western will furnish SWP water as a replacement supply. (Draft EIR page 3.13-14)	Muni/Western	Construction	Agreement for use of Santa Ana River-Mill Creek Cooperative Water Project to Muni/Western Boards	Before initiation of construction
MM PS-2:	During construction, Muni/Western will arrange to use facilities of the Santa Ana River-Mill Creek Cooperative Water Project Agreement to make deliveries to users that would otherwise receive water via the SCE River Crossing/North Fork Canal. The affected sections of the SCE River Crossing/North Fork canal shall be replaced in-kind after construction. If exchange cannot replace disrupted delivery, Muni/Western will furnish SWP water as replacement supply. (Draft EIR page 3.13-14)	Muni/Western	Construction	Agreement for use of Santa Ana River-Mill Creek Cooperative Water Project to Muni/Western Boards	Before initiation of construction
MM PS-3:	Deliveries that would have occurred to the Santa Ana River spreading grounds via the Conservation District Canal will instead occur via existing Muni facilities. After construction, the affected sections of the canal will be replaced with an in-kind structure. (Draft EIR page 3.13-15)	Muni/Western	Construction	Compliance report	Monthly until end of construction

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Public Services, Utilities, and Transportation (continued)				
MM PS-4: Part of the Phase I Plunge Pool Pipeline could be replaced by a tunnel, and the length of the Phase III Plunge Pool Pipeline could be shortened. As shown in Draft EIR Figure 3.13-1, under this mitigation measure a tunnel would be built from a point just south and west of Cuttle Weir. The tunnel would extend southwesterly through the mountains for approximately 1,600 feet. At the base of the mountains, the tunnel would transition to an underground pipeline which would extend for approximately 2,250 feet before hooking up to a valve structure at the Foothill Pipeline terminus. Under this mitigation measure, the designed conveyance capacity would be 1,500 cfs, though the operating capacity would be limited to 500 cfs until Phase II of the Plunge Pool Pipeline was completed. In total, with this mitigation measure, alignment of the Plunge Pool Pipeline Phase I would be approximately 3,850 feet. Due to the different location of the Phase I alignment, Phase III of the Plunge Pool Pipeline would also have to be somewhat modified. Per this mitigated alignment, Phase III of the Plunge Pool Pipeline would trend westward across a more northerly part of the SAR than would occur under the Project and, as a result, this new alignment of Phase III of the Plunge Pool Pipeline would be somewhat shorter, approximately 2,000 feet long, than under the Project (2,980 feet). The Low Flow Connector would remain as proposed by the Project, 3,500 feet long, though with the modifications to the Plunge Pool Pipeline, these two pipes would have a common trench for only about 1,350 feet, rather than 2,250 feet as would occur under the proposed Project.	Muni/Western	Construction	Construction plans and Progress reports to Muni/Western Boards	Before initiation of construction (plans); monthly (progress reports)

Adopted Mitigation Measures (EIR page reference)	*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Public Services, Utilities, and Transportation (continued)				
MM PS-4 (cont.) With this mitigation measure, the 15-foot diameter Plunge Pool Pipeline would be inside an 18-foot horseshoe-shaped tunnel. The rock through which the tunnel would be constructed is highly fractured and the steel pipe would be surrounded with concrete backfill. The tunnel would be constructed using a drill and blast method and waste rock would be sent to nearby aggregate facilities. Construction activities would last up to a year with the drilling taking about 3 months and back-filling another 3 months. Construction would occur six days per week. The route underlies lands of the San Bernardino National Forest. (3.13-15 and 3.13-16)				
MM PS-5: Muni/Western will direct the contractor to have a qualified traffic engineer prepare and implement a traffic management plan that defines how traffic operations will be managed and maintained on roadways during each phase of construction including any detours, signage, lane closures, or utility relocation work. The traffic management plan will specify necessary lane closures, detours, any signage/lighting, flaggers, and other traffic control measures needed to avoid accidents and provide access to residents and emergency response vehicles during construction. (Draft EIR page 3.13-18)	Muni/Western	Construction	Traffic management plan to Muni/Western Boards	Before construction of the Plunge Pool Pipeline, Phase II

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Public Services, Utilities, and Transportation (continued)					
MM PS-6:	Muni/Western will direct the contractor to re-grade a pathway, a portion of which was formerly used as a road during the construction of Seven Oaks Dam. Upgrading the pathway could include repairing or replacing (with a like structure, culvert or temporary crossing) the existing bridging over the Conservation District canal. During Project construction in the Santa Ana River Construction Area, non-construction vehicles will be directed to this detour route; see Draft EIR Figure 3.13-2. This detour route will allow authorized vehicles to enter the Seven Oaks Dam access road at a point northeast of the road closure, allowing full access to the Seven Oaks Dam operations buildings, SCE SAR Powerhouse 2/3, and Seven Oaks Dam. Muni/Western will provide security at this detour road to prevent unauthorized access to the dam site. (Draft EIR page 3.13-19 and Final EIR Chapter 3).	Muni/Western	Construction	Compliance report to Muni/Western Boards	Monthly
MM PS-7:	During construction, Muni/Western will direct non-construction vehicles that need to access Seven Oaks Dam and Reservoir, an alternate access to Seven Oaks Dam; see Draft EIR Figure 3.13-2. This detour route will allow authorized vehicles to enter the dam site at the right abutment of Seven Oaks Dam. Muni/Western will provide security at this alternate access road during construction of the Phase III Plunge Pool Pipeline and Low Flow Connector to prevent unauthorized access to the dam site. (Draft EIR page 3.13-21)	Muni/Western	Construction	Map of alternate access routes and compliance report to Muni/Western Boards	Before initiation of construction (map); monthly (compliance report)

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
MM PS-8:	All construction contractors will provide weekly updates regarding construction schedules and road closures to local police and fire jurisdictions. (Draft EIR page 3.13-27)	Construction contractors	Construction	Update regarding construction schedules to local police and fire jurisdictions	Weekly
Public Services, Utilities, and Transportation (continued)					
MM PS-9:	All construction contractors will notify all residents in the construction area a minimum of 1 week before beginning construction. (Draft EIR page 3.13-27)	Construction contractors	Pre-construction	Notice to residents	One week before beginning construction
MM PS-10:	All construction contractors will coordinate construction activities with local emergency services (police, fire, paramedic), the U.S. Postal Service, school bus and Omnitrans operators, delivery services, and local refuse companies to ensure continuity of these services. (Draft EIR page 3.13-27)	Construction contractors	Construction	Notice and coordination with local emergency services	Before initiation of construction
MM PS-11:	All construction contractors will post warning signs and construct barriers to prevent pedestrians from inadvertently entering construction areas or falling into open trenches. Contractors will also ensure that Project construction areas have been properly secured before leaving the work site at the end of the day. Measures may include covering trenches and/or installing temporary fencing and safety lights. (Draft EIR page 3.13-27)	Construction contractors	Construction	Photographs of warning signs and barriers and compliance report to Muni/Western Boards	Monthly

Attachment A: Mitigation Monitoring and Reporting Plan

Adopted Mitigation Measures (EIR page reference)		*Responsible Party*	*Implementation Schedule*	*Reporting Procedures*	*Reporting Schedule*
Public Services, Utilities, and Transportation (continued)					
MM PS-12:	Consistent with the direction of the Seven Oaks Accord, to avoid a significant effect on groundwater levels at one or more index wells located outside the Pressure Zone, Muni/Western will spread sufficient water to maintain static groundwater levels at the affected index wells. To implement this mitigation measure, Muni/Western will use a groundwater monitoring program based on information derived from the index wells. This information will be used in conjunction with forecasts of groundwater levels derived from Muni/Western integrated surface and groundwater models to identify trends in groundwater levels and isolate the share of change attributable to the Project. Remedial action will be implemented prior to an actual 10-foot reduction being reached, to avoid the significant impact. (Draft EIR page 3.13-30 and Final EIR page 3-130)	Muni/Western	Operations	Monitoring report to Muni/Western Boards	Monthly

Attachment B: Summary of Resources and Geographic Areas Affected by Both the Project and Related Projects (Draft EIR Table 6.1-2)

Attachment B: Summary of Resources and Geographic Areas Affected by Both the Project and Related Projects

	GEOGRAPHIC AREA						
Resource Area	*Seven Oaks Dam & Reservoir Construction Area*	*SAR Construction Area*	*Devil Canyon Construction Area*	*Lytle Creek Construction Area*	*Santa Ana River*	*SBBA*	*Muni/Western Service Areas*
Surface Water Hydrology & Water Quality	▪ Project	▪ Project ▪ Wash Plan ▪ Master Plan ▪ EBX ▪ BO	▪ Project	▪ Project	▪ Project ▪ BO ▪ Conservation District Application ▪ Riverside Application ▪ Chino Application ▪ OCWD Application ▪ RIX Water Recycling ▪ Pilot Dewatering	The Project would not impact this resource in this geographic area.	▪ Project ▪ Master Plan ▪ EBX
Groundwater Hydrology & Water Quality	The Project would not impact this resource in this geographic area.	▪ Project ▪ Master Plan ▪ EBX	▪ Project	▪ Project	The Project would not impact this resource in this geographic area.	▪ Project ▪ Wash Plan ▪ Master Plan ▪ Restoration Project ▪ Conservation District Application ▪ Pilot Dewatering ▪ Riverside-Corona Feeder ▪ North/South Lake ▪ RIX Water Recycling	▪ Project ▪ Master Plan ▪ EBX ▪ Riverside-Corona Feeder
Biological Resources	▪ Project ▪ BO	▪ Project ▪ Wash Plan ▪ Master Plan ▪ EBX ▪ BO ▪ Restoration Project	▪ Project	▪ Project	▪ Project ▪ BO ▪ Conservation District Application ▪ Riverside Application ▪ Chino Application ▪ OCWD Application ▪ RIX Water Recycling	The Project would not impact this resource in this geographic area.	▪ Project ▪ Master Plan ▪ EBX

Attachment B: Summary of Resources and Geographic Areas Affected by Both the Project and Related Projects

	GEOGRAPHIC AREA						
Resource Area	*Seven Oaks Dam & Reservoir Construction Area*	*SAR Construction Area*	*Devil Canyon Construction Area*	*Lytle Creek Construction Area*	*Santa Ana River*	*SBBA*	*Muni/Western Service Areas*
Geology, Soils, & Mineral Resources	▪ Project	▪ Project ▪ Wash Plan ▪ Master Plan ▪ EBX ▪ Inland Feeder ▪ Restoration Project ▪ BO ▪ Conservation District Application	▪ Project ▪ Inland Feeder	▪ Project	The Project would not impact this resource in this geographic area.	▪ Project ▪ Wash Plan ▪ Master Plan ▪ Restoration Project ▪ Conservation District Application ▪ Pilot Dewatering ▪ Riverside-Corona Feeder ▪ North/South Lake	▪ Project ▪ Master Plan ▪ EBX
Land Use & Planning	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this geographic area	The Project would not impact this resource in this geographic area.	▪ Project ▪ Wash Plan ▪ Master Plan ▪ Restoration Project ▪ Conservation District Application ▪ Pilot Dewatering ▪ Riverside-Corona Feeder ▪ North/South Lake	▪ Project ▪ Master Plan ▪ EBX
Agricultural Resources	The Project would not impact this resource in this geographic area.	▪ Project ▪ Master Plan	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this geographic area.	▪ Project ▪ Master Plan ▪ EBX ▪ RIX Water Recycling
Recreational Resources	The Project would not impact this resource in this	The Project would not impact this resource in this	The Project would not impact this resource in this	The Project would not impact this resource in this	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this	▪ Project ▪ Master Plan ▪ EBX

Attachment B: Summary of Resources and Geographic Areas Affected by Both the Project and Related Projects

	GEOGRAPHIC AREA						
Resource Area	*Seven Oaks Dam & Reservoir Construction Area*	*SAR Construction Area*	*Devil Canyon Construction Area*	*Lytle Creek Construction Area*	*Santa Ana River*	*SBBA*	*Muni/Western Service Areas*
	geographic area.	geographic area.	geographic area.	geographic area.		geographic area.	
Air Quality	▪ Project	▪ Project ▪ Wash Plan ▪ EBX ▪ Restoration Project ▪ BO	▪ Project	▪ Project	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this geographic area.	▪ Project ▪ Master Plan ▪ EBX
Cultural & Paleontological Resources	▪ Project	▪ Project ▪ Wash Plan ▪ Mast Plan ▪ EBX ▪ Restoration Project ▪ BO	▪ Project	▪ Project	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this geographic area.	▪ Project ▪ Master Plan ▪ EBX
Noise	▪ Project	▪ Project ▪ Wash Plan ▪ EBX ▪ Restoration Project ▪ BO	▪ Project	▪ Project	The Project would not impact this resource in this geographic area.	The Project would not impact this resource in this geographic area.	▪ Project ▪ Master Plan ▪ EBX
Aesthetics	▪ Project	▪ Project ▪ Wash Plan ▪ EBX ▪ Restoration Project	▪ Project	▪ Project	▪ Project ▪ BO ▪ Conservation District Application ▪ Riverside Application ▪ Chino Application ▪ OCWD Application ▪ RIX Water Recycling ▪ Pilot Dewatering	The Project would not impact this resource in this geographic area.	▪ Project ▪ Master Plan ▪ EBX

Attachment B: Summary of Resources and Geographic Areas Affected by Both the Project and Related Projects

	GEOGRAPHIC AREA						
Resource Area	*Seven Oaks Dam & Reservoir Construction Area*	*SAR Construction Area*	*Devil Canyon Construction Area*	*Lytle Creek Construction Area*	*Santa Ana River*	*SBBA*	*Muni/Western Service Areas*
Hazardous Materials & Groundwater Contamination	▪ Project	▪ Project ▪ Wash Plan ▪ Master Plan ▪ EBX	▪ Project	▪ Project	The Project would not impact this resource in this geographic area.	▪ Project ▪ Wash Plan ▪ Master Plan ▪ Restoration Project ▪ Conservation District Application ▪ Pilot Dewatering ▪ Riverside-Cornoa Feeder ▪ North/South Lake	▪ Project ▪ Master Plan ▪ EBX
Public Services, Utilities, & Transportation	▪ Project	▪ Project ▪ Wash Plan ▪ EBX ▪ Restoration Project	▪ Project	▪ Project	The Project would not impact this resource in this geographic area.	▪ Project ▪ Wash Plan ▪ Master Plan ▪ Restoration Project ▪ Conservation District Application ▪ Pilot Dewatering ▪ Riverside-Corona Feeder ▪ North/South Lake	▪ Project ▪ Master Plan ▪ EBX

Notes:
Project names used in this table are abbreviations. Full names (with the abbreviations) are provided in the subsection headings in the main body of the chapter.