

Bair, Lucas/SAC

From: Steve Pavich [steve.pavich@cardno.com]

Sent: Tuesday, March 20, 2012 9:24 AM

To: Sou, Sean; Yusuf, Fatuma/SAC; Bair, Lucas/SAC

Cc: Herrin, Jeff; Carlson, Nik Subject: RE: NODOS - IMPLAN

Attachments: NODOS FS_Econ Data_v13 (March 2012).xlsx

Hi Sean,

I had to re-work some revised construction spending/payroll estimates as part of the RED analysis for the purposes of the Feasibility Study and wanted to share those results with you to make ensure consistency with the EIR. I also remodeled the revised construction spending in the <u>statewide</u> model, which I specifically completed for the EIR last December. Attached is the Excel spreadsheet that contains the new results. The revised construction results are included in the following worksheets: "RED-Const Spending" (this is the local model results) and "RED-Construction Spending (State)" (this is the state model). The results are also included the first two summary worksheets. Please let me know if you have any questions.

Thanks, Steve

Steve Pavich

Senior Project Economist

Cardno ENTRIX

701 University Avenue, Suite 200, Sacramento, CA 95825

From: Steve Pavich

Sent: Tuesday, December 06, 2011 3:19 PM

To: 'Sou, Sean'; 'Fatuma.Yusuf@CH2M.com'; Stephen.Hatchett@CH2M.com

Cc: 'Herrin, Jeff'; Duane Paul **Subject:** NODOS - IMPLAN

Hi Sean,

I've completed the additional IMPLAN modeling for the NODOS project. The additional runs I completed covered the following:

- Construction analysis run through the statewide model
 - Same as the "local" analysis except using the state model
- Agricultural impacts for lands affected by the Project run through both the two-county (local) and statewide models
 - Permanent impacts cover lands underlying the reservoir and project facilities
 - Short-term impacts cover lands underlying temporary construction areas
 - o For more details, see write-up by Amy Lyons, DWR GIS staff (Sean should have that e-mail)

I'm attaching here a summary Excel spreadsheet that includes all of the work I've completed for the Feasibility Study, which I augmented with the new model runs. The worksheets are labeled so you should be able to find what you're looking for – the second worksheet has the new modeling results for the EIR. I'm also attaching the supporting spreadsheet for the new AG analysis, as well as the RED summary that we discussed back at our meeting in October. I'm also sending by mail the IMPLAN models that I've been working with (I will send the CD directly to Fatuma).

Please let me know if you have any questions.

Thanks, Steve

Steve Pavich

Senior Project Economist Cardno ENTRIX

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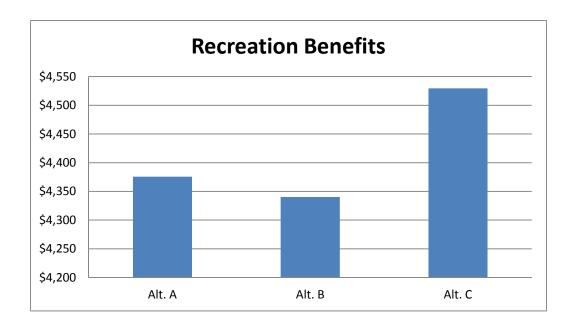
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NODOS Economic Analysis											
Report Tables											
(\$2010, \$1,000s)											
NED - RECREATION											
NED - RECREATION	Annual	Benefit	Annualized Benefit	Steve Pavich	: 1						
<u>Alternative</u>	2025	2060	(2023-2123)	Relative to futi							
Average Conditions				-							
Alt. A	\$4,376 \$4,340	\$4,376 \$4,340									
Alt. C	\$4,529	\$4,540	\$4,529								
Dry Conditions											
Alt. A	\$3,233	\$3,233	\$3,233								
Alt. B	\$3,071 \$3,556	\$3,071 \$3,556	\$3,071 \$3,556								
NED - URBAN (M&I) WATE	P OLIALITY										
NED - ORDAN (MAI) WATE	Annual	Benefit	Annualized Benefit								
<u>Alternative</u>	2025	2060	(2023-2123)								
Average Condition											
Alt. A	\$14,957 \$16,170	\$18,766 \$20,719	\$16,765 \$18,330								
Alt. C	\$19,409	\$25,252	\$22,183								
Dry Conditions											
Alt. A	\$17,693	\$22,892	\$20,162								
Alt. B	\$19,532 \$22,724	\$24,876 \$29,627	\$22,069 \$26,001								
	. /	,,	, 5,552								
NED ACRICULTURAL WAS	ED OLIALITY										
NED - AGRICULTURAL WAT	Annual	Benefit	Annualized Benefit								
Alternative	2025	2060	(2023-2123)								
Average Condition											
Alt. A	\$1,115 \$1,228	\$1,193 \$1,302	\$1,152 \$1,263								
Alt. B	\$1,228 \$1,444	\$1,302 \$1,810	\$1,263 \$1,618								
Dry Conditions	7-/	+ -/020	+ 1,010								
Alt. A	\$2,189	\$2,837	\$2,497								
Alt. B Alt. C	\$3,014 \$3,213	\$2,993 \$3,429	\$3,004 \$3,315								
740.0	ψ3)213	ψ0) 123	ψ5,515								
NED LIDDAN (NACI) MATE	D CHIDDHIEC										
NED - URBAN (M&I) WATE	Annual	Benefit	Annualized Benefit								
<u>Alternative</u>	2025	2060	(2023-2123)								
Average Condition											
Alt. A	\$80,305 \$82,383	\$213,193 \$217,575	\$143,395 \$146,567								
Alt. B	\$88,241	\$217,373	\$152,426								
Dry Conditions											
Alt. A	\$183,191	\$478,268	\$323,283								
L	4										
Alt. B Alt. C	\$182,409 \$219,273	\$384,241 \$528,282	\$278,232 \$365,979								
Alt. B Alt. C	\$182,409 \$219,273	\$384,241 \$528,282	\$278,232 \$365,979								
Alt. C	\$219,273	\$528,282	\$365,979	a over Constru	etion Device	4)					
	\$219,273 litures - Local	\$528,282	\$365,979 ge Annual Benefit				la	direct Induced			
Alt. C RED - Construction Expend	\$219,273 itures - Local I	\$528,282 Model (Avera	\$365,979 ge Annual Benefit Labor Inc	<u>ome</u>	Emplo	yment		lirect + Induced			
Alt. C	\$219,273 	\$528,282 Model (Avera <u>put</u> <u>Total</u> \$436,647	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940	ome Total \$44,554	Emplo <u>Direct</u> 95.9	Total 626.1	Output \$78,701	Income \$24,614	Jobs 530.2		
Alt. C RED - Construction Expend Alternative Alternative A Alternative B	\$219,273 itures - Local I	\$528,282 Model (Avera put Total \$436,647 \$417,475	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520	ome <u>Total</u> \$44,554 \$45,253	Emplo <u>Direct</u> 95.9 98.7	Total 626.1 631.7	Output \$78,701 \$79,090	\$24,614 \$24,733	Jobs 530.2 533.0		
Alt. C RED - Construction Expend Alternative Alternative A	\$219,273 	\$528,282 Model (Avera <u>put</u> <u>Total</u> \$436,647	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940	ome Total \$44,554	Emplo <u>Direct</u> 95.9	Total 626.1 631.7	Output \$78,701	Income \$24,614	Jobs 530.2		
Alt. C RED - Construction Expend Alternative Alternative A Alternative B Alternative C	\$219,273 itures - Local I <u>Out</u> <u>Direct</u> \$357,947 \$338,385 \$388,739	\$528,282 Model (Avera put Total \$436,647 \$417,475 \$475,777	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220	<u>Total</u> \$44,554 \$45,253 \$49,441	Emplo <u>Direct</u> 95.9 98.7	Total 626.1 631.7	Output \$78,701 \$79,090	\$24,614 \$24,733	Jobs 530.2 533.0		
Alt. C RED - Construction Expend Alternative Alternative A Alternative B	\$219,273 itures - Local	\$528,282 Model (Average Total \$436,647 \$417,475 \$475,777 cal Model (Si	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 ngle Year Benefits	Total \$44,554 \$45,253 \$49,441	Emplo <u>Direct</u> 95.9 98.7 106.9	yment Total 626.1 631.7 693.3	Output \$78,701 \$79,090 \$87,038	\$24,614 \$24,733 \$27,221	Jobs 530.2 533.0 586.4		
Alt. C RED - Construction Expend Alternative Alternative A Alternative B Alternative C RED - Construction-Land Act	\$219,273 itures - Local	\$528,282 Model (Avera put	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 ngle Year Benefits Labor Inc	ome Total \$44,554 \$45,253 \$49,441) ome	Emplo <u>Direct</u> 95.9 98.7 106.9 Emplo	yment Total 626.1 631.7 693.3	Output \$78,701 \$79,090 \$87,038	\$24,614 \$24,733	Jobs 530.2 533.0 586.4	pavich:	
Alternative Alternative C RED - Construction Expend Alternative A Alternative B Alternative C RED - Construction-Land Action Alternative Alternative A	\$219,273 itures - Local	\$528,282 Model (Average	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 ngle Year Benefits Labor Inc Direct \$625	ome Total \$44,554 \$45,253 \$49,441) ome Total \$717	Emplo <u>Direct</u> 95.9 98.7 106.9 Emplo <u>Direct</u> 14.7	yment	Output \$78,701 \$79,090 \$87,038 Inc. Output \$327	Income	Jobs 530.2 533.0 586.4 Jobs 2.9	pavich: local share	
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Alternative Alternative A Alternative B Alternative A Alternative A Alternative B Alternative A Alternative B Alternative B Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative C RED - Agriculture - State M Alternative A Alternative A Alternative B	\$219,273 itures - Local	\$528,282 Model (Average Model (Average Model (Signature)) Total \$436,647 \$417,475 \$475,777 cal Model (Signature) Total \$2,407 \$2,369 \$2,407 Average Annum Put Total \$1,182 \$	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 ngle Year Benefits Labor Inc Direct \$625 \$615 \$625 ual Benefits) Labor Inc Direct \$1,750 \$1,750 \$1,750 Average Annual B Labor Inc Direct \$204 \$199 \$204 \$199 \$204 \$199 \$204 \$100	ome Total \$44,554 \$45,253 \$49,441) ome Total \$717 \$706 \$717 \$708 \$717 \$1,838 \$2,120 \$1,838 \$2,120 \$1,838 \$2,120 \$1,838 \$2,320 \$1,838 \$2,320 \$1,838	Emplo Direct 95.9 98.7 106.9 Emplo Direct 14.7 14.4 14.7 Emplo Direct 35.0 30.0 35.0 Emplo Direct -4.7 -4.6 -4.7	yment Total 626.1 631.7 693.3 yment Total 17.5 17.2 17.5 yment Total 45.7 39.7 45.7 yment Total -9.9 -9.7 -9.9	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Output \$1,182 \$1,075 \$1,182 Output -\$390 -\$383 -\$390	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 Jobs -5.2 -5.1 -5.2	Steve Pavich: Direct =	wer
Alternative Alternative A Alternative B Alternative A Alternative C RED - Construction-Land Addernative A Alternative B Alternative B Alternative C RED - O&M Expenditures - Alternative A Alternative B Alternative A Alternative C RED - Agriculture - State M Alternative A Alternative C RED - Agriculture - State M Alternative B Alternative C RED - Agriculture - State M Alternative B Alternative C	\$219,273 itures - Local	\$528,282 Model (Average Model (Average Model (Signature)) Total \$436,647 \$417,475 \$475,777 cal Model (Signature) Total \$2,407 \$2,369 \$2,407 Average Annumber Model \$1,182 \$1	\$365,979 ge Annual Benefit	Total \$44,554 \$45,253 \$49,441	Emplo Direct 95.9 98.7 106.9 Emplo Direct 14.7 14.4 14.7 Emplo Direct 35.0 30.0 35.0 Emplo Emplo Direct -4.7 -4.6 -4.7	ryment Total 626.1 631.7 693.3 ryment Total 17.5 17.2 17.5 17.6 17.5 17.5 17.6 17.6 17.7 17.7 17.7 17.8 17.8 17.9 17.	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Output \$1,182 \$1,075 \$1,182 Output -\$390 -\$383 -\$390	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 Jobs -5.2 -5.1 -5.2	Steve Pavich: Direct =	wer
Alternative Alternative A Alternative B Alternative A Alternative B Alternative B Alternative B Alternative B Alternative C RED - Construction-Land Ac Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative B Alternative C RED - Agriculture - State M Alternative A Alternative B Alternative C	\$219,273 itures - Local	\$528,282 Model (Average Model (Average Model (Signature)) Total \$436,647 \$417,475 \$475,777 cal Model (Signature) Total \$2,407 \$2,369 \$2,407 Average Annum Put Total \$1,182 \$	\$365,979 ge Annual Benefit	ome Total \$44,554 \$45,253 \$49,441) ome Total \$717 \$706 \$717 ome Total \$2,120 \$1,838 \$2,120 \$1,838 \$2,120 Genefits) ome Total -\$381 -\$372 -\$381 ome Total ome Total \$588	Emplo Direct 95.9 98.7 106.9 Emplo Direct 14.7 14.4 14.7 Emplo Direct 35.0 30.0 35.0 Emplo Direct -4.7 -4.6 -4.7	yment Total 626.1 631.7 693.3 yment Total 17.5 17.2 17.5 yment Total 45.7 39.7 45.7 yment Total -9.9 -9.7 -9.9 yment Total 22.9	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Output \$1,182 \$1,075 \$1,182 Output -\$390 -\$383 -\$390	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 10.7 Jobs -5.2 -5.1 -5.2 Jobs Jobs 2.8	Steve Pavich: Direct =	wer
Alternative Alternative A Alternative B Alternative A Alternative A Alternative B Alternative A Alternative B Alternative B Alternative B Alternative C RED - Construction-Land Additernative A Alternative B Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative B Alternative C RED - Agriculture - State M Alternative A Alternative B Alternative C RED - Recreation (Average Alternative A Alternative A Alternative A	\$219,273 itures - Local	\$528,282 Model (Average Model (Average Annuput Total \$1,182 \$1,1	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 ngle Year Benefits Labor Inc Direct \$625 \$615 \$625 \$615 \$625 \$4615 \$5625 Labor Inc Direct \$1,750 \$1,750 \$1,750 \$1,750 \$1,750 \$1,900 \$1,750 Average Annual B Labor Inc Direct \$204 \$1,999 \$204 \$1,999 \$1,990 \$1,990 \$1,900 \$1,900 \$1,900 \$1,900 \$1,800 \$1,750 \$1,800 \$1,750 \$1,800 \$1,750 \$1,800 \$1,750 \$1,800 \$1,750 \$1,800 \$1,750 Labor Inc Direct \$487 \$487 \$488	ome Total \$44,554 \$45,253 \$49,441) ome Total \$717 \$706 \$717 ome Total \$2,120 \$1,838 \$2,120 \$1,838 \$2,120 Genefits) ome Total -\$381 -\$381 -\$381 ome Total ome Total \$588 \$588 \$588	Emplo Direct 95.9 98.7 106.9 Emplo Direct 35.0 30.0 35.0 Emplo Direct -4.7 -4.6 -4.7 Emplo Direct 20.1 19.9	yment Total 626.1 631.7 693.3 yment Total 17.5 17.5 17.5 45.7 39.7 45.7 yment Total -9.9 -9.7 -9.9 yment Total 22.9 22.7	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Output \$1,182 \$1,075 \$1,182 Inc Output -\$390 -\$383 -\$390 Inc Output \$348 \$348	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 10.7 Jobs -5.2 -5.1 -5.2 Jobs 2.8 2.8	Steve Pavich: Direct =	wer
Alternative Alternative A Alternative B Alternative A Alternative A Alternative B Alternative A Alternative B Alternative B Alternative B Alternative C RED - Construction-Land Ac Alternative B Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative B Alternative C RED - Agriculture - State M Alternative A Alternative A Alternative B Alternative A Alternative C RED - Recreation (Average Alternative A	\$219,273 itures - Local	\$528,282 Model (Average Model (Average Model (Signature) Total \$447,475 \$475,777 cal Model (Signature) Total \$2,407 \$2,369 \$2,407 Average Annumut Total \$1,182	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 ngle Year Benefits Labor Inc Direct \$625 \$615 \$625 \$615 \$625 \$4615 \$5625 Labor Inc Direct \$1,750 \$1,750 \$1,750 \$1,750 \$1,750 \$1,900 \$1,750 Average Annual B Labor Inc Direct \$204 \$1,999 \$204 \$1,999 \$1,990 \$1,990 \$1,900 \$1,900 \$1,900 \$1,900 \$1,800 \$1,750 \$1,800 \$1,750 \$1,800 \$1,750 \$1,800 \$1,750 \$1,800 \$1,750 \$1,800 \$1,750 Labor Inc Direct \$487 \$487 \$488	ome Total \$44,554 \$45,253 \$49,441) ome Total \$717 \$706 \$717 ome Total \$2,120 \$1,838 \$2,120 \$1,838 \$2,120 Genefits) ome Total -\$381 -\$372 -\$381 ome Total ome Total \$588	Emplo Direct 95.9 98.7 106.9 Emplo Direct 35.0 30.0 35.0 Emplo Direct -4.7 -4.6 -4.7 Emplo Direct 20.1	yment Total 626.1 631.7 693.3 yment Total 17.5 17.5 17.5 45.7 39.7 45.7 yment Total -9.9 -9.7 -9.9 yment Total 22.9 22.7	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Output \$1,182 \$1,075 \$1,182 Output -\$390 -\$383 -\$390 Inc Output \$348	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 10.7 Jobs -5.2 -5.1 -5.2 Jobs 2.8 2.8	Steve Pavich: Direct =	wer
Alternative Alternative A Alternative B Alternative A Alternative A Alternative B Alternative A Alternative B Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative B Alternative B Alternative B Alternative B Alternative C RED - Agriculture - State M Alternative B Alternative C RED - Recreation (Average Alternative A Alternative B Alternative C	\$219,273 itures - Local	\$528,282 Model (Avera put	\$365,979 ge Annual Benefit	ome Total \$44,554 \$45,253 \$49,441) ome Total \$717 \$706 \$717 ome Total \$2,120 \$1,838 \$2,120 \$1,838 \$2,120 Genefits) ome Total -\$381 -\$381 -\$381 ome Total ome Total \$588 \$588 \$588	Emplo Direct 95.9 98.7 106.9 Emplo Direct 35.0 30.0 35.0 Emplo Direct -4.7 -4.6 -4.7 Emplo Direct 20.1 19.9	yment Total 626.1 631.7 693.3 yment Total 17.5 17.2 17.5 yment Total 45.7 39.7 45.7 yment Total -9.9 -9.7 -9.9 yment Total 22.9 22.7	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Output \$1,182 \$1,075 \$1,182 Inc Output -\$390 -\$383 -\$390 Inc Output \$348 \$348	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 10.7 Jobs -5.2 -5.1 -5.2 Jobs 2.8 2.8	Steve Pavich: Direct = value of hydropo	wer
Alternative Alternative A Alternative B Alternative A Alternative A Alternative B Alternative A Alternative B Alternative B Alternative B Alternative C RED - Construction-Land Additernative A Alternative B Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative B Alternative C RED - Agriculture - State M Alternative A Alternative B Alternative C RED - Recreation (Average Alternative A Alternative A Alternative A	\$219,273 itures - Local I	\$528,282 Model (Average Annual St.,923 **Sewar Year, Put** Total \$2,407 \$2,369 \$2,407 **Average Annual St.,948 \$1,182 **Water Year, Put** Total \$1,923 **Average Annual St.,923 **Sewar Year, Put** **Total \$1,923 **Sewar Year, Put** **Total \$1,948 \$1,933 \$2,017 **Average Annual Put** **Average Annual Put** **Total \$1,948 \$1,933 \$2,017 **Average Annual Put** **A	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 Section Direct \$625 \$665 \$665 \$665 \$665 \$1,750 \$1,750 \$1,750 Average Annual B Labor Inc Direct \$204 \$487 \$487 \$483 \$504 Direct \$487 \$483 \$504 Direct \$487 \$487 \$483 \$504 Direct \$487 \$487 \$488 \$480 \$504 Direct \$487 \$487 \$488 \$504 Direct \$487 \$487 \$488 \$504 Direct Direct Section Se	Total \$44,554 \$45,253 \$49,441	Emplo Direct 95.9 98.7 106.9 Emplo Direct 14.7 14.4 14.7 Emplo Direct -4.7 -4.6 -4.7 Emplo Direct 20.1 19.9 20.8	ryment Total 626.1 631.7 693.3 ryment Total 17.5 17.2 17.5 ryment Total 45.7 39.7 45.7 ryment Total 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Output \$1,182 \$1,075 \$1,182 Output -\$390 -\$383 -\$390 Inc Output \$348 \$345 \$360	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 Jobs -5.2 -5.1 -5.2 Jobs 2.8 2.9	Steve Pavich: Direct = value of hydropo	
Alternative Alternative A Alternative A Alternative A Alternative A Alternative A Alternative B Alternative A Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative C RED - Agriculture - State M Alternative B Alternative C RED - Recreation (Average Alternative A Alternative C RED - Recreation (Average Alternative A Alternative C	\$219,273 itures - Local	\$528,282 Model (Average Annugut Total \$436,647 \$417,475 \$475,777 Cal Model (Single Average Annugut) Total \$1,182 \$1,182 \$1,075 \$1,182 *Water Year, put Total -\$1,923 -\$1,923 -\$1,923 Average Annugut Total \$1,948 \$1,933 \$2,017	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 Section Direct \$625 \$615 \$625 Ual Benefits) Labor Inc Direct \$1,750 \$1,750 \$1,750 Average Annual B Labor Inc Direct \$204 \$-\$204 \$487 \$487 \$483 \$504 Habor Inc Direct \$487 \$487 \$483 \$504 Habor Inc Direct \$487 \$487 \$487 \$480	Total \$44,554 \$45,253 \$49,441	Emplo Direct 95.9 98.7 106.9 Emplo Direct 35.0 30.0 35.0 Emplo Direct -4.7 -4.6 -4.7 Emplo Direct 20.1 19.9 20.8	ryment Total 626.1 631.7 693.3 ryment Total 17.5 17.2 17.5 ryment Total 45.7 39.7 45.7 ryment Total 9.9 9.9 9.9 9.9 9.9 1.9 1.9 1.9 1.9 1.9	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Inc Output \$1,182 \$1,075 \$1,182 Inc Output -\$390 -\$383 -\$390 Inc Output \$348 \$345 \$360	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 10.7 Jobs -5.2 -5.1 -5.2 Jobs 2.8 2.9	Steve Pavich: Direct = value of hydropo	
Alternative Alternative A Alternative B Alternative A Alternative A Alternative B Alternative B Alternative B Alternative C RED - Construction-Land Ac Alternative B Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative B Alternative C RED - Agriculture - State M Alternative B Alternative C RED - Recreation (Average Alternative C RED - Recreation (Average Alternative B Alternative C RED - Recreation (Average Alternative C	\$219,273 itures - Local I	\$528,282 Model (Average Annual St.,923 **Sewar Year, Put** Total \$2,407 \$2,369 \$2,407 **Average Annual St.,948 \$1,182 **Water Year, Put** Total \$1,923 **Average Annual St.,923 **Sewar Year, Put** **Total \$1,923 **Sewar Year, Put** **Total \$1,948 \$1,933 \$2,017 **Average Annual Put** **Average Annual Put** **Total \$1,948 \$1,933 \$2,017 **Average Annual Put** **A	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 Section Direct \$625 \$665 \$665 \$665 \$665 \$1,750 \$1,750 \$1,750 Average Annual B Labor Inc Direct \$204 \$487 \$487 \$483 \$504 Direct \$487 \$483 \$504 Direct \$487 \$487 \$483 \$504 Direct \$487 \$487 \$488 \$480 \$504 Direct \$487 \$487 \$488 \$504 Direct \$487 \$487 \$488 \$504 Direct Direct Section Se	Total \$44,554 \$45,253 \$49,441	Emplo Direct 95.9 98.7 106.9 Emplo Direct 14.7 14.4 14.7 Emplo Direct -4.7 -4.6 -4.7 Emplo Direct 20.1 19.9 20.8	ryment Total 626.1 631.7 693.3 ryment Total 17.5 17.2 17.5 ryment Total 45.7 39.7 45.7 ryment Total 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Output \$1,182 \$1,075 \$1,182 Output -\$390 -\$383 -\$390 Inc Output \$348 \$345 \$360 Output	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 10.7 Jobs -5.2 -5.1 -5.2 Jobs 2.8 2.9	Steve Pavich: Direct = value of hydropo	
Alternative Alternative A Alternative B Alternative A Alternative A Alternative B Alternative A Alternative B Alternative B Alternative C RED - O&M Expenditures - Alternative B Alternative B Alternative B Alternative B Alternative C RED - Agriculture - State M Alternative B Alternative C RED - Recreation (Average Alternative C RED - Recreation (Average Alternative B Alternative C	\$219,273 itures - Local	\$528,282 Model (Average Annugut Total \$436,647 \$417,475 \$475,777 Cal Model (Single Average Annugut) Total \$1,182 \$1,182 \$1,075 \$1,182 *Water Year, put Total -\$1,923 -\$1,923 -\$1,923 Average Annugut Total \$1,948 \$1,933 \$2,017	\$365,979 ge Annual Benefit Labor Inc Direct \$19,940 \$20,520 \$22,220 Section Direct \$625 \$615 \$625 Ual Benefits) Labor Inc Direct \$1,750 \$1,750 \$1,750 Average Annual B Labor Inc Direct \$204 \$-\$204 \$487 \$487 \$483 \$504 Habor Inc Direct \$487 \$487 \$483 \$504 Habor Inc Direct \$487 \$487 \$487 \$480	Total \$44,554 \$45,253 \$49,441	Emplo Direct 95.9 98.7 106.9 Emplo Direct 35.0 30.0 35.0 Emplo Direct -4.7 -4.6 -4.7 Emplo Direct 20.1 19.9 20.8	ryment Total 626.1 631.7 693.3 ryment Total 17.5 17.2 17.5 ryment Total 45.7 39.7 45.7 ryment Total 9.9 9.9 9.9 9.9 9.9 1.9 1.9 1.9 1.9 1.9	Output \$78,701 \$79,090 \$87,038 Inc Output \$327 \$322 \$327 Inc Output \$1,182 \$1,075 \$1,182 Output -\$390 -\$383 -\$390 Inc Output \$348 \$345 \$360 Output	Income	Jobs 530.2 533.0 586.4 Jobs 2.9 2.8 2.9 Jobs 10.7 9.7 10.7 10.7 Jobs -5.2 -5.1 -5.2 Jobs 2.8 2.9 Jobs 0.0 Jobs	Steve Pavich: Direct = value of hydropo	

NODOS Economic Analysis											
Report Tables (EIR Support)											+
(\$2010, \$1,000s)											+
(4=010, 41,0000)											
RED - Construction Expend	itures - State M	odel (Averag	e Annual Benefit	s over Constru	iction Period	1)					+
	Outpu	•	Labor Inco		Employi		Ind	irect + Induced			+
Altornativo	Direct	Total	Direct	Total	Direct	Total	Output	Income	Jobs	pavich:	
Alternative Alternative A	\$357,947	\$773,816	\$19,940	\$153,782	95.9	2,270.5	\$415,869	\$133,842	2,174.5	same as local mod	el
Alternative B	\$338,385	\$756,194	\$20,520	\$154,983	98.7	2,270.3	\$417,809	\$134,463	2,174.3	(= value of project	<u>.)</u>
Alternative C	\$388,739	\$848,621	\$20,320	\$170,226	106.9	2,263.7	\$459,882	\$148,006	2,404.8		
	7000,000	70.0,022		72.0,220		=,===::	7 100/002	72.0,000	2,10110		
RED - Construction-Land Ac	equisition - State	e Model (Sin	gle Year Benefits								-
	Outpu		Labor Inco		Employi	ment	Ind	irect + Induced			+
Alternative	Direct	<u>Total</u>	Direct	Total	Direct	Total	Output	Income	Jobs	pavich:	-
Alternative A	\$8,696	\$15,449	\$2,779	\$4,922	45.3	86.2	\$6,753	\$2,143	40.9	greater than local r	
Alternative B	\$8,560	\$15,207	\$2,736	\$4,845	44.6	84.9	\$6,647	\$2,143	40.3	state model capture	
Alternative C	\$8,696	\$15,449	\$2,730	\$4,922	45.3	86.2	\$6,753	\$2,109	40.5	effects (no leakage)
Atternative C	40,030	Ģ13,143	Ψ2,773	ψ-1,322	43.3	00.2	ψ0,733	72,143	40.5		+
	100 110									St. B. ide	<u> </u>
RED - Agriculture-Perm - Lo	cal Model (Lon	g-Term Aver	age Annual <u>Impad</u>	its)						Steve Pavich: Land underlying	
	<u>Outpu</u>	<u>t</u>	Labor Inco	<u>me</u>	Employ	ment	Ind	irect + Induced		reservoir	
Alternative	Direct	Total	Direct	Total	Direct	Total	Output	Income	Jobs		_
Alternative A	-\$1,533	-\$1,923	-\$204	-\$381	-4.7	-9.9	-\$390	-\$177	-5.2		
Alternative B	-\$1,508	-\$1,891	-\$199	-\$372	-4.6	-9.7	-\$383	-\$173	-5.1		
Alternative C	-\$1,533	-\$1,923	-\$204	-\$381	-4.7	-9.9	-\$390	-\$177	-5.2		
RED - Agriculture-Temp - Lo	ocal Model (Sho	rt-Term Ave	rage Annual Impa	acts)						Steve Pavich:	
Agriculture Temp Et	Outpu		Labor Inco	-	Employi	ment	Ind	irect + Induced		Land underlying project facilities	g
Alternative	Direct	Total	Direct	Total	Direct	Total	Output	Income	Jobs	project raciities	
Alternative A	-\$7,094	-\$8,514	-\$636								
Alternative B	-\$7,094			-S1.242	-44.0		-\$1,421	-\$606	-18.3		+
Alternative C		-\$8 514		-\$1,242 -\$1,242	-44.0 -44.0	-62.2	-\$1,421 -\$1 421	-\$606 -\$606	-18.3 -18.3		+
		-\$8,514 -\$8,514	-\$636	-\$1,242	-44.0	-62.2 -62.2	-\$1,421	-\$606	-18.3		
	-\$7,094	-\$8,514 -\$8,514				-62.2					
	-\$7,094	-\$8,514	-\$636 -\$636	-\$1,242 -\$1,242	-44.0	-62.2 -62.2	-\$1,421	-\$606	-18.3		
RED - Agriculture-Perm - St	-\$7,094 ate Model (Lon	-\$8,514 g-Term Aver	-\$636 -\$636 age Annual <u>Impa</u>	-\$1,242 -\$1,242	-44.0 -44.0	-62.2 -62.2 -62.2	-\$1,421 -\$1,421	-\$606 -\$606	-18.3	Steve Pavich: Land underlying	
_	-\$7,094 ate Model (Long	-\$8,514 g-Term Aver	-\$636 -\$636 age Annual <u>Impac</u>	-\$1,242 -\$1,242 cts)	-44.0 -44.0 Employi	-62.2 -62.2 -62.2	-\$1,421 -\$1,421	-\$606 -\$606	-18.3 -18.3		
Alternative	-\$7,094 ate Model (Lon; Output Direct	-\$8,514 g-Term Aver	-\$636 -\$636 age Annual <u>Impac</u> Labor Inco	-\$1,242 -\$1,242 cts)	-44.0 -44.0 Employi	-62.2 -62.2 -62.2 -62.2 ment	-\$1,421 -\$1,421 Ind	-\$606 -\$606 lirect + Induced	-18.3 -18.3 Jobs	Land underlying	
<u>Alternative</u> Alternative A	-\$7,094 ate Model (Longo Output) Direct -\$1,533	-\$8,514 g-Term Aver t Total -\$2,910	-\$636 -\$636 age Annual Impac Labor Inco Direct -\$204	-\$1,242 -\$1,242 cts) me Total -\$667	-44.0 -44.0 Employi Direct	-62.2 -62.2 -62.2 -62.2 ment Total -15.0	-\$1,421 -\$1,421 Ind Output -\$1,377	-\$606 -\$606 lirect + Induced Income -\$463	-18.3 -18.3 Jobs	Land underlying	
Alternative Alternative A Alternative B	-\$7,094 ate Model (Longoutput) Output Direct -\$1,533 -\$1,508	-\$8,514 g-Term Aver t Total -\$2,910 -\$2,864	-\$636 -\$636 age Annual Impac Labor Inco Direct -\$204 -\$199	-\$1,242 -\$1,242 cts) me Total -\$667 -\$653	-44.0 -44.0 Employ Direct -4.7 -4.6	-62.2 -62.2 -62.2 -62.2 ment Total -15.0 -14.7	-\$1,421 -\$1,421 Ind Output -\$1,377 -\$1,355	-\$606 -\$606 lirect + Induced Income -\$463 -\$454	-18.3 -18.3 Jobs -10.3 -10.1	Land underlying	
Alternative Alternative A Alternative B	-\$7,094 ate Model (Longo Output) Direct -\$1,533	-\$8,514 g-Term Aver t Total -\$2,910	-\$636 -\$636 age Annual Impac Labor Inco Direct -\$204	-\$1,242 -\$1,242 cts) me Total -\$667	-44.0 -44.0 Employi Direct	-62.2 -62.2 -62.2 -62.2 ment Total -15.0	-\$1,421 -\$1,421 Ind Output -\$1,377	-\$606 -\$606 lirect + Induced Income -\$463	-18.3 -18.3 Jobs	Land underlying	
Alternative Alternative B Alternative C	-\$7,094 ate Model (Longoutput) Direct -\$1,533 -\$1,508 -\$1,533	-\$8,514 g-Term Aver t Total -\$2,910 -\$2,864 -\$2,910	-\$636 -\$636 age Annual Impac Labor Inco Direct -\$204 -\$199 -\$204	-\$1,242 -\$1,242 -\$1,242 cts) me Total -\$667 -\$653 -\$667	-44.0 -44.0 Employ Direct -4.7 -4.6	-62.2 -62.2 -62.2 -62.2 ment Total -15.0 -14.7	-\$1,421 -\$1,421 Ind Output -\$1,377 -\$1,355	-\$606 -\$606 lirect + Induced Income -\$463 -\$454	-18.3 -18.3 Jobs -10.3 -10.1	Land underlying	
<u>Alternative</u> Alternative A	-\$7,094 ate Model (Longoutput) Direct -\$1,533 -\$1,508 -\$1,533	-\$8,514 g-Term Aver t Total -\$2,910 -\$2,864 -\$2,910	-\$636 -\$636 age Annual Impac Labor Inco Direct -\$204 -\$199 -\$204	-\$1,242 -\$1,242 -\$1,242 cts) me Total -\$667 -\$653 -\$667	-44.0 -44.0 Employ Direct -4.7 -4.6	-62.2 -62.2 -62.2 -62.2 ment Total -15.0 -14.7	-\$1,421 -\$1,421 Ind Output -\$1,377 -\$1,355	-\$606 -\$606 lirect + Induced Income -\$463 -\$454	-18.3 -18.3 Jobs -10.3 -10.1	Land underlying reservoir Steve Pavich:	
Alternative Alternative A Alternative B Alternative C	-\$7,094 ate Model (Longoutput) Direct -\$1,533 -\$1,508 -\$1,533	-\$8,514 g-Term Aver. t Total -\$2,910 -\$2,864 -\$2,910 ort-Term Ave	-\$636 -\$636 age Annual Impac Labor Inco Direct -\$204 -\$199 -\$204	-\$1,242 -\$1,242 cts) me Total -\$667 -\$653 -\$667	-44.0 -44.0 Employ Direct -4.7 -4.6	-62.2 -62.2 -62.2 -62.2 ment Total -15.0 -14.7 -15.0	-\$1,421 -\$1,421 Ind Output -\$1,377 -\$1,355 -\$1,377	-\$606 -\$606 lirect + Induced Income -\$463 -\$454	-18.3 -18.3 Jobs -10.3 -10.1	Land underlying reservoir	
Alternative Alternative B Alternative C	-\$7,094 ate Model (Longo Direct -\$1,533 -\$1,508 -\$1,533	-\$8,514 g-Term Aver. t Total -\$2,910 -\$2,864 -\$2,910 ort-Term Ave t Total	-\$636 -\$636 age Annual Impac Labor Inco Direct -\$204 -\$199 -\$204	-\$1,242 -\$1,242 cts) me Total -\$667 -\$653 -\$667 acts)	-44.0 -44.0 Employi Direct -4.7 -4.6 -4.7	-62.2 -62.2 -62.2 -62.2 ment Total -15.0 -14.7 -15.0	-\$1,421 -\$1,421 Ind Output -\$1,377 -\$1,355 -\$1,377	-\$606 -\$606 -\$606 lirect + Induced Income -\$463 -\$454 -\$463	-18.3 -18.3 -10.3 -10.1 -10.3	Land underlying reservoir Steve Pavich: Land underlying	
Alternative Alternative A Alternative B Alternative C RED - Agriculture-Temp - St	-\$7,094 ate Model (Longo Direct -\$1,533 -\$1,508 -\$1,533 -\$1,533 -\$1,545 -\$1,555 -\$1,5	-\$8,514 g-Term Aver. t Total -\$2,910 -\$2,864 -\$2,910 ort-Term Ave	-\$636 -\$636 -\$636 age Annual Impac Labor Inco Direct -\$204 -\$199 -\$204 rage Annual Impac Labor Inco	-\$1,242 -\$1,242 cts) me Total -\$667 -\$653 -\$667	-44.0 -44.0 Employed Direct -4.7 -4.6 -4.7	-62.2 -62.2 -62.2 -62.2 ment Total -15.0 -14.7 -15.0	-\$1,421 -\$1,421 Ind Output -\$1,377 -\$1,355 -\$1,377	-\$606 -\$606 -\$606 -\$606 -\$100 -\$454 -\$454 -\$463 -\$463	-18.3 -18.3 -10.3 -10.3 -10.1 -10.3	Land underlying reservoir Steve Pavich: Land underlying	
Alternative Alternative A Alternative B Alternative C RED - Agriculture-Temp - St Alternative	-\$7,094 ate Model (Long	-\$8,514 g-Term Aver. t Total -\$2,910 -\$2,864 -\$2,910 ort-Term Ave t Total	-\$636 -\$636 -\$636 age Annual Impac Labor Inco Direct -\$204 -\$199 -\$204 rage Annual Impac Labor Inco Direct	-\$1,242 -\$1,242 cts) me Total -\$667 -\$653 -\$667 acts)	-44.0 -44.0 Employed -4.7 -4.6 -4.7 Employed Direct	-62.2 -62.2 -62.2 -62.2 ment Total -15.0 -14.7 -15.0	-\$1,421 -\$1,421 Ind Output -\$1,377 -\$1,355 -\$1,377	-\$606 -\$606 -\$606 -\$606 	-18.3 -18.3 -10.3 -10.1 -10.3	Land underlying reservoir Steve Pavich: Land underlying	

CHARTS



PRESENT / ANN			'S													
Discount Rate = Planning Period =	4.125% 101	6.000% 50														
(\$2010, \$1,000s)	FED	STATE														
				ed Value (50 yrs) Benefit (50 yrs)	\$124,481 \$2,079,770	\$127,325 \$2,127,284	\$133,183 \$2,225,164	\$16,223 \$271,050	\$17,682 \$295,428	\$21,351 \$356,730	\$1,141 \$19,060	\$1,253 \$20,926	\$1,566 \$26,161	\$4,376 \$73,107	\$4,340 \$72,515	\$4,529 \$75,676
				d Value (101 yrs) Benefit (101 yrs)	\$143,395 \$3,558,607	\$146,567 \$3,637,320	\$152,426 \$3,782,712	\$16,765 \$416,059	\$18,330 \$454,882	\$22,183 \$550,513	\$1,152 \$28,586	\$1,263 \$31,344	\$1,618 \$40,148	\$4,376 \$108,591	\$4,340 \$107,710	\$4,529 \$112,406
			PV (2023) weights	PV (2023)	Urban	(M&I) WS Benet	its	Urt	an WQ Benef	its		AG WQ Benefits		Rec	reation Bene	lits
		Year 2023	@4.125% 1.000	weights @6.0% 1.000	\$80,305	\$82,383	\$88,241	A \$14,957	\$16,170	\$19,409	A \$1,115	B \$1,228	C \$1,444	A \$4,376	\$4,340	C \$4,529
	2025 Analysis	2024 2025	0.960 0.922	0.943 0.890	\$80,305 \$80,305	\$82,383 \$82,383	\$88,241 \$88,241	\$14,957 \$14,957	\$16,170 \$16,170	\$19,409 \$19,409	\$1,115 \$1,115	\$1,228 \$1,228	\$1,444 \$1,444	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2026 2027	0.886 0.851	0.840 0.792	\$84,102 \$87,899	\$86,246 \$90.108	\$92,104 \$95,967	\$15,066 \$15,175	\$16,300 \$16,430	\$19,576 \$19,743	\$1,117 \$1,119	\$1,230 \$1,232	\$1,455 \$1,465	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2028 2029	0.817 0.785	0.747 0.705	\$91,696 \$95,492	\$93,971 \$97,834	\$99,829 \$103,692	\$15,284 \$15,392	\$16,560 \$16,690	\$19,910 \$20,077	\$1,122 \$1,124	\$1,234 \$1,236	\$1,476 \$1,486	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2030	0.754 0.724	0.665 0.627	\$99,289 \$103,086	\$101,696 \$105,559	\$107,555 \$111,417	\$15,501 \$15,610	\$16,820 \$16,950	\$20,244 \$20,411	\$1,126 \$1,128	\$1,239 \$1,241	\$1,497 \$1,507	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529
		2032	0.695	0.592 0.558	\$106,883	\$109,422	\$115,280	\$15,719	\$17,080	\$20,578	\$1,131	\$1,243	\$1,517	\$4,376	\$4,340	\$4,529
		2033	0.667 0.641	0.527	\$110,680 \$114,476	\$113,284 \$117,147	\$119,143 \$123,005	\$15,828 \$15,936	\$17,210 \$17,340	\$20,745 \$20,911	\$1,133 \$1,135	\$1,245 \$1,247	\$1,528 \$1,538	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2035 2036	0.616 0.591	0.497 0.469	\$118,273 \$122,070	\$121,009 \$124,872	\$126,868 \$130,730	\$16,045 \$16,154	\$17,470 \$17,600	\$21,078 \$21,245	\$1,137 \$1,139	\$1,249 \$1,251	\$1,549 \$1,559	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2037 2038	0.568 0.545	0.442 0.417	\$125,867 \$129,664	\$128,735 \$132,597	\$134,593 \$138,456	\$16,263 \$16,372	\$17,730 \$17,860	\$21,412 \$21,579	\$1,142 \$1,144	\$1,253 \$1,255	\$1,570 \$1,580	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
	Linear Interp-	2039 2040	0.524 0.503	0.394 0.371	\$133,460 \$137,257	\$136,460 \$140,322	\$142,318 \$146,181	\$16,481 \$16,589	\$17,990 \$18,120	\$21,746 \$21,913	\$1,146 \$1,148	\$1,258 \$1,260	\$1,590 \$1,601	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
	olation between 2025	2041 2042	0.483 0.464	0.350 0.331	\$141,054 \$144,851	\$144,185 \$148,048	\$150,044 \$153,906	\$16,698 \$16,807	\$18,250 \$18,379	\$22,080 \$22,247	\$1,151 \$1,153	\$1,262 \$1,264	\$1,611 \$1,622	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
	and 2060 Analysis	2043 2044	0.446 0.428	0.312 0.294	\$148,647 \$152,444	\$151,910 \$155,773	\$157,769 \$161,632	\$16,916 \$17,025	\$18,509 \$18,639	\$22,414 \$22,581	\$1,155 \$1,157	\$1,266 \$1,268	\$1,632 \$1,643	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
	points	2045 2046	0.411 0.395	0.278 0.262	\$156,241 \$160,038	\$159,636 \$163,498	\$165,494 \$169,357	\$17,133 \$17,242	\$18,769 \$18,899	\$22,748 \$22,915	\$1,159 \$1,162	\$1,270 \$1,272	\$1,653 \$1,663	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2047 2048	0.379 0.364	0.247 0.233	\$163,835 \$167,631	\$167,361 \$171,223	\$173,220 \$177,082	\$17,351 \$17,460	\$19,029 \$19,159	\$23,082 \$23,249	\$1,164 \$1,166	\$1,274 \$1,277	\$1,674 \$1,684	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2049 2050	0.350 0.336	0.220 0.207	\$171,428 \$175,225	\$175,086 \$178,949	\$180,945 \$184,808	\$17,569 \$17,677	\$19,289 \$19,419	\$23,416 \$23,583	\$1,168 \$1,170	\$1,279 \$1,281	\$1,695 \$1,705	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2051 2052	0.322 0.310	0.196 0.185	\$179,022 \$182,819	\$182,811 \$186,674	\$188,670 \$192,533	\$17,786 \$17,895	\$19,549 \$19,679	\$23,750 \$23,917	\$1,173 \$1,175	\$1,283 \$1,285	\$1,716 \$1,726	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2053 2054	0.297 0.286	0.174 0.164	\$186,615 \$190,412	\$190,537 \$194,399	\$196,395 \$200,258	\$18,004 \$18,113	\$19,809 \$19,939	\$24,084 \$24,251	\$1,177 \$1,179	\$1,287 \$1,289	\$1,736 \$1,747	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2055	0.274 0.263	0.155 0.146	\$194,209 \$198,006	\$198,262 \$202,124	\$204,121 \$207,983	\$18,221 \$18,330	\$20,069 \$20,199	\$24,418 \$24,585	\$1,182 \$1,184	\$1,291 \$1,291	\$1,757 \$1,768	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2057	0.253	0.138	\$201,803	\$205,987	\$211,846	\$18,439	\$20,329	\$24,751	\$1,186	\$1,296	\$1,778	\$4,376	\$4,340	\$4,529
	2060	2058	0.243 0.233	0.130 0.123	\$205,599 \$209,396	\$209,850 \$213,712	\$215,709 \$219,571	\$18,548 \$18,657	\$20,459 \$20,589	\$24,918 \$25,085	\$1,188 \$1,190	\$1,298 \$1,300	\$1,789 \$1,799	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
	Analysis	2060 2061	0.224 0.215	0.116 0.109	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2062 2063	0.207 0.199	0.103 0.097	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2064 2065	0.191 0.183	0.092 0.087	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2066 2067	0.176 0.169	0.082 0.077	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2068 2069	0.162 0.156	0.073 0.069	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2070 2071	0.150 0.144	0.065 0.061	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
50 years		2072 2073	0.138 0.133	0.058 0.054	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2074 2075	0.127 0.122	0.051 0.048	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
	-	2076 2077	0.117 0.113	0.046 0.043	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2078 2079	0.108 0.104	0.041 0.038	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2080 2081	0.100 0.096	0.036 0.034	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2082 2083	0.092 0.088	0.032 0.030	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2084 2085	0.085 0.082	0.029 0.027	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2086 2087	0.078 0.075	0.025 0.024	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2088 2089	0.072	0.023 0.021	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1.302	\$1,810 \$1.810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2090 2091	0.067 0.064	0.020 0.019	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2092 2093	0.061	0.018 0.017	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1.302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2094 2095	0.057 0.054	0.016 0.015	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2096 2097	0.052 0.050	0.014 0.013	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1.302	\$1,810 \$1.810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2098	0.048 0.046	0.013 0.012	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2100 2101	0.044	0.011 0.011	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1.302	\$1,810 \$1.810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2102 2103	0.041	0.010 0.009	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2104 2105	0.038	0.009	\$213,193 \$213,193 \$213,193	\$217,575 \$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193 \$1,193	\$1,302 \$1,302 \$1,302	\$1,810 \$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2106	0.035	0.008	\$213,193	\$217,575	\$223,434	\$18,766	\$20,719	\$25,252	\$1,193	\$1,302	\$1,810	\$4,376	\$4,340	\$4,529
		2107 2108	0.034	0.007 0.007	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2109 2110	0.031	0.007 0.006	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2111	0.029 0.027	0.006 0.006	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2113 2114	0.026 0.025	0.005 0.005	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2115 2116	0.024 0.023	0.005 0.004	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2117 2118	0.022 0.021	0.004	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2119 2120	0.021 0.020	0.004	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2121 2122	0.019 0.018	0.003 0.003	\$213,193 \$213,193	\$217,575 \$217,575	\$223,434 \$223,434	\$18,766 \$18,766	\$20,719 \$20,719	\$25,252 \$25,252	\$1,193 \$1,193	\$1,302 \$1,302	\$1,810 \$1,810	\$4,376 \$4,376	\$4,340 \$4,340	\$4,529 \$4,529
		2123	0.018	0.003	\$213,193	\$217,575	\$223,434	\$18,766	\$20,719	\$25,252	\$1,193	\$1,302	\$1,810		\$4,340	\$4,529

PRESENT / ANN	UALIZED VA	LUE BENEFIT	rs													
Planning Period = (\$2010, \$1,000s)	101 FED	50 STATE									-					
				d Value (50 yrs)	\$281,283	\$249,504	\$321,996	\$19,422	\$21,308	\$25,019	\$2,404	\$3,007	\$3,285	\$3,233	\$3,071	\$3,556
				Value (101 yrs) Venefit (101 yrs)	\$4,699,550 \$323,283 \$8,022,823	\$4,168,602 \$278,232 \$6,904,805	\$5,379,767 \$365,979 \$9,082,405	\$324,488 \$20,162 \$500,344	\$356,008 \$22,069 \$547,677	\$418,002 \$26,001 \$645,267	\$40,171 \$2,497 \$61,959	\$50,234 \$3,004 \$74,541	\$54,882 \$3,315 \$82,279	\$54,007 \$3,233 \$80,220	\$51,307 \$3,071 \$76,209	\$59,408 \$3,556 \$88,242
		.,	PV (2023) weights	PV (2023)	_	(M&I) WS Benef	fits C		n WQ Benefi	its C		AG WQ Benefits	С	Rec	reation Benef	its
	2025	Year 2023 2024	@4.125% 1.000 0.960	weights @6.0% 1.000 0.943	\$183,191 \$183,191	\$182,409 \$182,409	\$219,273 \$219,273	\$17,693 \$17,693	\$19,532 \$19,532	\$22,724 \$22,724	\$2,189 \$2,189	\$3,014 \$3,014	\$3,213 \$3,213	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
	Analysis	2025 2026	0.922 0.886	0.890 0.840	\$183,191 \$191,622	\$182,409 \$188,176	\$219,273 \$219,273 \$228,102	\$17,693 \$17,842	\$19,532 \$19,684	\$22,724 \$22,724 \$22,921	\$2,189 \$2,207	\$3,014 \$3,013	\$3,213 \$3,213	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2027 2028	0.851 0.817	0.792 0.747	\$200,053 \$208,484	\$193,943 \$199,709	\$236,930 \$245,759	\$17,990 \$18,139	\$19,837 \$19,990	\$23,118 \$23,316	\$2,226 \$2,244	\$3,012 \$3,012	\$3,226 \$3,232	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2029 2030	0.785 0.754		\$216,914 \$225,345	\$205,476 \$211,243	\$254,588 \$263,417	\$18,288 \$18,436	\$20,142 \$20,295	\$23,513 \$23,710	\$2,263 \$2,281	\$3,011 \$3,011	\$3,238 \$3,244	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2031 2032 2033	0.724 0.695 0.667	0.627 0.592 0.558	\$233,776 \$242,207 \$250,637	\$217,009 \$222,776 \$228,542	\$272,246 \$281,075 \$289,903	\$18,585 \$18,733	\$20,448 \$20,601 \$20,753	\$23,907 \$24,105 \$24,302	\$2,300 \$2,318	\$3,010 \$3,009 \$3,009	\$3,250 \$3,256	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556 \$3,556
		2034 2035	0.641 0.616	0.527 0.497	\$259,068 \$267,499	\$234,309 \$240,076	\$298,732 \$307,561	\$18,882 \$19,030 \$19,179	\$20,906 \$21,059	\$24,499 \$24,696	\$2,337 \$2,356 \$2,374	\$3,008 \$3,008	\$3,262 \$3,269 \$3,275	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556
		2036 2037	0.591 0.568	0.469 0.442	\$275,930 \$284,360	\$245,842 \$251,609	\$316,390 \$325,219	\$19,327 \$19,476	\$21,211 \$21,364	\$24,893 \$25,091	\$2,393 \$2,411	\$3,007 \$3,006	\$3,281 \$3,287	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2038 2039	0.545 0.524	0.417 0.394	\$292,791 \$301,222	\$257,376 \$263,142	\$334,048 \$342,876	\$19,624 \$19,773	\$21,517 \$21,669	\$25,288 \$25,485	\$2,430 \$2,448	\$3,006 \$3,005	\$3,293 \$3,299	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
	Linear Interp- olation between 2025	2040 2041 2042	0.503 0.483 0.464	0.371 0.350 0.331	\$309,653 \$318,083 \$326,514	\$268,909 \$274,675 \$280,442	\$351,705 \$360,534 \$369,363	\$19,921 \$20,070 \$20,218	\$21,822 \$21,975 \$22,127	\$25,682 \$25,880 \$26,077	\$2,467 \$2,485 \$2,504	\$3,005 \$3,004 \$3,003	\$3,306 \$3,312 \$3,318	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
	and 2060 Analysis	2043 2044	0.446 0.428	0.312 0.294	\$334,945 \$343,376	\$286,209 \$291,975	\$378,192 \$387,021	\$20,367 \$20,516	\$22,280 \$22,433	\$26,274 \$26,471	\$2,522 \$2,541	\$3,003 \$3,002	\$3,324 \$3,330	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
	points	2045 2046	0.411 0.395	0.278 0.262	\$351,806 \$360,237	\$297,742 \$303,509	\$395,849 \$404,678	\$20,664 \$20,813	\$22,585 \$22,738	\$26,669 \$26,866	\$2,559 \$2,578	\$3,002 \$3,001	\$3,336 \$3,342	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2047 2048	0.379 0.364	0.247 0.233	\$368,668 \$377,099	\$309,275 \$315,042	\$413,507 \$422,336	\$20,961 \$21,110	\$22,891 \$23,043	\$27,063 \$27,260	\$2,596 \$2,615	\$3,000 \$3,000	\$3,349 \$3,355	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2049 2050 2051	0.350 0.336 0.322	0.220 0.207 0.196	\$385,529 \$393,960 \$402,391	\$320,808 \$326,575 \$332,342	\$431,165 \$439,994 \$448,822	\$21,258 \$21,407 \$21,555	\$23,196 \$23,349 \$23,502	\$27,458 \$27,655 \$27,852	\$2,634 \$2,652 \$2,671	\$2,999 \$2,999 \$2,998	\$3,361 \$3,367 \$3,373	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
		2052 2053	0.310 0.297	0.185 0.174	\$410,822 \$419,252	\$338,108 \$343,875	\$457,651 \$466,480	\$21,555 \$21,704 \$21,852	\$23,654 \$23,807	\$28,049 \$28,246	\$2,689 \$2,708	\$2,998 \$2,997 \$2,997	\$3,373 \$3,379 \$3,385	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556
		2054 2055	0.286 0.274	0.164	\$427,683 \$436,114	\$349,641 \$355,408	\$475,309 \$484,138	\$22,001 \$22,149	\$23,960 \$24,112	\$28,444 \$28,641	\$2,726 \$2,745	\$2,996 \$2,996	\$3,392 \$3,398	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2056 2057	0.263 0.253	0.138	\$444,545 \$452,976	\$361,175 \$366,941	\$492,967 \$501,795	\$22,298 \$22,446	\$24,265 \$24,418	\$28,838 \$29,035	\$2,763 \$2,782	\$2,995 \$2,994	\$3,404 \$3,410	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
	2060	2058 2059	0.243 0.233 0.224	0.130 0.123	\$461,406 \$469,837	\$372,708 \$378,475	\$510,624 \$519,453	\$22,595 \$22,744	\$24,570 \$24,723	\$29,233 \$29,430	\$2,800 \$2,819	\$2,994 \$2,993	\$3,416 \$3,422	\$3,233	\$3,071 \$3,071	\$3,556 \$3,556
	Analysis	2060 2061 2062	0.224 0.215 0.207	0.116 0.109 0.103	\$478,268 \$478,268 \$478,268	\$384,241 \$384,241 \$384,241	\$528,282 \$528,282 \$528,282	\$22,892 \$22,892 \$22,892	\$24,876 \$24,876 \$24,876	\$29,627 \$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993 \$2,993	\$3,429 \$3,429 \$3,429	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
		2063 2064	0.199 0.191	0.097 0.092	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2065 2066	0.183 0.176	0.082	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2067 2068 2069	0.169 0.162 0.156	0.077 0.073 0.069	\$478,268 \$478,268 \$478,268	\$384,241 \$384,241 \$384,241	\$528,282 \$528,282 \$528,282	\$22,892 \$22,892 \$22,892	\$24,876 \$24,876 \$24,876	\$29,627 \$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993 \$2,993	\$3,429 \$3,429 \$3,429	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
		2070	0.150 0.144	0.065 0.061	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
50 years		2072 2073	0.138 0.133	0.058 0.054	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2074 2075	0.127 0.122	0.051 0.048	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2076 2077 2078	0.117 0.113 0.108	0.046 0.043 0.041	\$478,268 \$478,268 \$478,268	\$384,241 \$384,241 \$384,241	\$528,282 \$528,282 \$528,282	\$22,892 \$22,892 \$22,892	\$24,876 \$24,876 \$24,876	\$29,627 \$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993 \$2,993	\$3,429 \$3,429 \$3,429	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
	-	2079 2080	0.104 0.100	0.038	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2081 2082	0.096 0.092	0.034 0.032	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2083	0.088 0.085	0.030	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2085 2086 2087	0.082 0.078 0.075	0.027 0.025 0.024	\$478,268 \$478,268 \$478,268	\$384,241 \$384,241 \$384,241	\$528,282 \$528,282 \$528,282	\$22,892 \$22,892 \$22,892	\$24,876 \$24,876 \$24,876	\$29,627 \$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993 \$2,993	\$3,429 \$3,429 \$3,429	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
		2088 2089	0.072 0.069	0.023 0.021	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
	-	2090	0.067 0.064	0.019	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2092 2093 2094	0.061 0.059 0.057	0.018 0.017 0.016	\$478,268 \$478,268 \$478,268	\$384,241 \$384,241 \$384,241	\$528,282 \$528,282 \$528,282	\$22,892 \$22,892 \$22,892	\$24,876 \$24,876 \$24,876	\$29,627 \$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993 \$2,993	\$3,429 \$3,429 \$3,429	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
	•	2095 2096	0.054 0.052	0.015 0.014	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2097 2098	0.050 0.048	0.013 0.013	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2099 2100	0.046 0.044	0.012 0.011	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
	-	2101 2102 2103	0.043 0.041 0.039	0.011 0.010 0.009	\$478,268 \$478,268 \$478,268	\$384,241 \$384,241 \$384,241	\$528,282 \$528,282 \$528,282	\$22,892 \$22,892 \$22,892	\$24,876 \$24,876 \$24,876	\$29,627 \$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993 \$2,993	\$3,429 \$3,429 \$3,429	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
		2104 2105	0.038 0.036		\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2106 2107	0.035 0.034	0.008 0.007	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2108 2109	0.032 0.031	0.007 0.007	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2110 2111 2112	0.030 0.029 0.027	0.006 0.006 0.006	\$478,268 \$478,268 \$478,268	\$384,241 \$384,241 \$384,241	\$528,282 \$528,282 \$528,282	\$22,892 \$22,892 \$22,892	\$24,876 \$24,876 \$24,876	\$29,627 \$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993 \$2,993	\$3,429 \$3,429 \$3,429	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
	•	2113 2114	0.026 0.025	0.005	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2115 2116	0.024 0.023	0.005 0.004	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2117 2118	0.022	0.004 0.004	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556
		2119 2120 2121	0.021 0.020 0.019	0.004 0.004 0.003	\$478,268 \$478,268 \$478,268	\$384,241 \$384,241 \$384,241	\$528,282 \$528,282 \$528,282	\$22,892 \$22,892 \$22,892	\$24,876 \$24,876 \$24,876	\$29,627 \$29,627 \$29.627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993 \$2,993	\$3,429 \$3,429 \$3,429	\$3,233 \$3,233 \$3,233	\$3,071 \$3,071 \$3,071	\$3,556 \$3,556 \$3,556
		2122 2123	0.018 0.018	0.003 0.003	\$478,268 \$478,268	\$384,241 \$384,241	\$528,282 \$528,282	\$22,892 \$22,892	\$24,876 \$24,876	\$29,627 \$29,627	\$2,837 \$2,837 \$2,837	\$2,993 \$2,993	\$3,429 \$3,429	\$3,233 \$3,233	\$3,071 \$3,071	\$3,556 \$3,556

NODOS Economic Analysis					
Summary Tables (2025)					
** \$1,000s					
DECDEATION					
RECREATION		Benefit			
		Difference from No.	Difference from No		
<u>Alternative</u>	Benefit Estimate (\$)	Action (\$)	Action (%)		
		(,,			
Average Conditions (2025) No Action	\$0				
Alt. A	\$4,376		#DIV/0!		
Alt. B	\$4,340	\$4,340	#DIV/0!		
Alt. C	\$4,529	\$4,529	#DIV/0!		
Dry Conditions (2025)					
No Action	\$0				
Alt. A	\$3,233				
Alt. B	\$3,071 \$3,556				
	75,555	70,000			
URBAN (M&I) WATER QUALITY		Benefit (Avoid \$)			
				Steve Pav	
		Difference from No		For double- purposes	Lilecking
<u>Alternative</u>	Total Damages (\$)	Action (\$)	Action (%)		,
Average Conditions (2025)				ALL LCRBW	<u>2М</u>
No Action	-\$5,018,836			-\$5,057,434	
Alt. A	-\$5,003,879 -\$5,002,665		-0.3% -0.3%	-\$5,041,798 -\$5,040,478	\$15,636
Alt. C	-\$5,002,665	\$16,170	-0.3%	-\$5,040,478 -\$5,037,198	\$16,955 \$20,235
	ψ 1,533) 121	\$15 ,105	0.170	\$3,037,130	\$20,233
Dry Conditions (2025) No Action	-\$5,102,215			-\$5,147,534	
Alt. A	-\$5,084,522		-0.3%	-\$5,128,066	\$19,468
Alt. B	-\$5,082,684		-0.4%	-\$5,125,460	\$22,074
Alt. C	-\$5,079,491	\$22,724	-0.4%	-\$5,122,191	\$25,343
AGRICULTURAL WATER QUALITY		Benefit (Avoid \$)			
AGRICOLI ORAL WATER QUALITI		Bellejit (Avolu 3)			
		Difference from No	Difference from No		
<u>Alternative</u>	Total Damages (\$)	Action (\$)	Action (%)		
Average Conditions (2025)					
No Action	-\$38,598				
Alt. A	-\$37,483		-2.9%		
Alt. B	-\$37,370		-3.2%		
Alt. C	-\$37,153	\$1,444	-3.7%		
Dry Conditions (2025)					
No Action	-\$45,319				
Alt. A	-\$43,130 -\$42,305				
Alt. B	-\$42,305				
	Ş42,100	73,213	7.170		
URBAN (M&I) WATER SUPPLIES		Benefit (Avoid \$)			
		Difference from No	Difference from No		
<u>Alternative</u>	Total Costs (\$)	Action (\$)	Action (%)		
Average Conditions (2025)					
No Action	-\$1,681,546				
Alt. A	-\$1,601,241				
Alt. B	-\$1,599,163				
Alt. C	-\$1,593,305	\$88,241	-5.2%		
Dry Conditions (2025)	¢3.007.FC7				
No Action Alt. A	-\$2,087,567 -\$1,904,376		-8.8%		
Alt. B	-\$1,905,158				
Alt. C	-\$1,868,295				
					·

** NO SEPARATE RED ANALYSIS FOR	2025 vs. 2060				
** Construction spending					
** Operations spending ** Agricultural production					
** Recreation spending					
** Hydropower production					

NODOS Economic Analysis					
NODOS Economic Analysis Summary Tables (2060)					
** \$1,000s					
RECREATION		Benefit			
		20.105.10			
Alternative	Benefit Estimate (\$)	Difference from No Action (\$)	Difference from No Action (%)		
	Deficite Estimate (5)	Action (4)	Action (78)		
Average Conditions (2060) No Action	\$0				
Alt. A	\$4,376		#DIV/0!		
Alt. B	\$4,340	\$4,340	#DIV/0!		
Alt. C	\$4,529	\$4,529	#DIV/0!		
Dry Conditions (2060)					
No Action	\$0				
Alt. A	\$3,233				
Alt. C	\$3,071 \$3,556				
	75,555	72,000			
URBAN (M&I) WATER QUALITY		Benefit (Avoid \$)			
<u>Alternative</u>	Total Damages (\$)	Difference from No Action (\$)	Difference from No Action (%)	Steve Por double purposes	le-checking
Average Conditions (2060)				ALL LCRB	<u>WQM</u>
No Action	-\$6,113,108			-\$6,150,226	
Alt. A	-\$6,094,343			-\$6,130,817	\$19,409
Alt. C	-\$6,092,390 -\$6,087,856		-0.3% -0.4%	-\$6,128,732	\$21,494
	-50,067,650	\$25,252	-0.4%	-\$6,124,138	\$26,087
Dry Conditions (2060) No Action	-\$6,222,577			4	
Alt. A	-\$6,199,685		-0.4%	-\$6,266,670 -\$6,241,459	\$25,211
Alt. B	-\$6,197,701			-\$6,239,380	\$27,290
Alt. C	-\$6,192,950	\$29,627	-0.5%	-\$6,234,359	\$32,311
AGRICULTURAL WATER QUALITY		Benefit (Avoid \$)			
	Total Damages (¢)	Difference from No			
<u>Alternative</u>	Total Damages (\$)	Action (\$)	Action (%)		
Average Conditions (2060) No Action	-\$37,117				
Alt. A	-\$35,925		-3.2%		
Alt. B	-\$35,816		-3.5%		
Alt. C	-\$35,308	\$1,810	-4.9%		
Dry Conditions (2060)					
No Action	-\$44,093				
Alt. A	-\$41,255				
Alt. C	-\$41,100 -\$40,664				
AIL C	-540,004	\$3,423	-7.870		
URBAN (M&I) WATER SUPPLIES		Benefit (Avoid \$)			
Cherit (Mary Witten Seri Lies			Difference from No		
<u>Alternative</u>	Total Costs (\$)	Action (\$)	Action (%)		
Average Conditions (2060)					
No Action	-\$6,250,178				-
Alt. A	-\$6,036,985				
Alt. B	-\$6,032,603 -\$6,026,744				
	90,020,744	Ç223,434	-3.0/6		
Dry Conditions (2060) No Action	-\$7,275,727				
Alt. A	-\$6,797,460		-6.6%		
Alt. B	-\$6,891,486	\$384,241	-5.3%		
Alt. C	-\$6,747,445	\$528,282	-7.3%		-
** NO SEPARATE RED ANALYSIS FO	OR 2025 vs. 2060				
** Construction spending					
** Operations spending ** Agricultural production					
** Recreation spending					
** Hydropower production					

	А	В	С	D	Е	F	G	Н	I	J
1	Recreation Use Estimates									
2										
3	Steve Pavich:				Avei	rage Water Ye	ear	Đi	y Water Year	
4	Pavich:	MAX	% Breakdown	<u>NA</u>	Alt. A	Alt. B	Alt. C	Alt. A	Alt. B	Alt. C
5	Total Visitor Days	400,000	100%	0	360,976	358,049	373,659	266,667	253,333	293,333
6	Activities:									
7	Shore fishing	34,800	8.7%	0	31,405	31,150	32,508	23,200	22,040	25,520
8	Boat fishing	18,000	4.5%	0	16,244	16,112	16,815	12,000	11,400	13,200
9	Picnicking	92,000	23.0%	0	83,024	82,351	85,941	61,333	58,267	67,467
10	Sightseeing	79,200	19.8%	0	71,473	70,894	73,984	52,800	50,160	58,080
11	Swimming / beach use	90,400	22.6%	0	81,580	80,919	84,447	60,267	57,253	66,293
12	Walking	11,600	2.9%	0	10,468	10,383	10,836	7,733	7,347	8,507
13	Bicycling/Motorcycling	5,200	1.3%	0	4,693	4,655	4,858	3,467	3,293	3,813
14	Off-road vehicle	400	0.1%	0	361	358	374	267	253	293
15	Horseback riding	1,600	0.4%	0	1,444	1,432	1,495	1,067	1,013	1,173
16	Boating / water-skiing	62,400	15.6%	0	56,312	55,856	58,291	41,600	39,520	45,760
17	Hunting	1,200	0.3%	0	1,083	1,074	1,121	800	760	880
18	Other	3,200	0.8%	0	2,888	2,864	2,989	2,133	2,027	2,347
19	Total:	400,000	100.0%	0	360,976	358,049	373,659	266,667	253,333	293,333
20										
21				▲ Steve Pa						
22		% Total Valu	e/Visits		vicn: spreadsheet					
23	<u>Alternative</u>	<u>AVE</u>	DRY	110111 01 3	Spicausiicce					
24	NA	0.0%	0.0%							
25	Alt. A	90.2%	66.7%							
26	Alt. B	89.5%	63.3%							
27	Alt. C	93.4%	73.3%							

Updated Outdoor Recreation Use Val	ues on Nat	ional Forest	s and Oth	er Public La	nds	-	-																		
Loomis (2005) Table 1—Summary statistics on average		l			antivity from							-	-			-		-				-			
original recreation benefit studies, 1967-				n per day by	activity iron	"	-					+	-							-	-				
original recreation benefit studies, 1907-	2003 (2004	uoliais) - IVA	ITOWAL	_		-		Steve Pavich:	-			-		-											
SUBSTITUTION EFFECT (% draw from oth	er recreation	n sites):	75%			+	1	"new																	
		T			+	+	1	Adj w/SUB		Adj w/ SUB		Adj w/ SUB		Adj w/ SUB		Adj w/ SUB		Adj w/ SUB		Adj w/SUB		Adj w/ SUB		Adj w/ SUB	
	T	#		Standard	†	Mean \$		# Visitor Days	Total Rec	# Visitor Days	Total Rec	# Visitor Days	Total Rec	# Visitor Days	Total Rec	# Visitor Days	Total Rec	# Visitor Days	Total Rec	# Visitor Days	Total Rec	# Visitor Days	Total Rec	# Visitor Days	Total Rec
Activity	# Studies	Estimates	Mean	Error		(2010)	sum	(MAX)	Value	(NA-AVE)	Value	(A-AVE)	Value	(B-AVE)	Value	(C-AVE)	Value	(NA-DRY)	Value	(A-DRY)	Value	(B-DRY)	Value	(C-DRY)	Value
Backpacking	1	6	\$52.10	\$9.29	\$312.60	\$59.58	\$357.50		\$0		\$	D	\$0		\$0		\$0)	\$0		\$0		\$0		\$0
Birdwatching	4	8	\$29.60		\$236.80		\$270.81		\$0		Şi	D	\$0		\$0		\$0)	\$0		\$0		\$0		\$0
Camping	29	48	\$37.19	\$5.77	\$1,785.12	\$42.53	\$2,041.50		\$0		\$	D	\$0		\$0		\$0)	\$0		\$0		\$0		\$0
Cross-country skiing	8	12	\$31.38	\$3.41	\$376.56	\$35.89 \$38.30	\$430.64		\$0	1	S	0	\$0		\$0		\$0		\$0		\$0		\$0		Ş0
Downhill skiing Fishing	129	177	\$47.16	\$4.81	\$167.45	\$ \$38.30	\$191.50	13,200	\$711,917) >	0 11,912	\$642,462	11,816	\$637,253	12,331	\$665,035		\$0	8,800	\$474,611	8,360	\$450,881	9,680	\$522,072
Floatboating/rafting/canoeing	20	81	\$100.91		\$8,347.32	\$115.40		15,200	\$711,917	U	, s	11,912	3042,402	11,010	\$037,233 ¢r	12,551	2005,055		şu en	0,000	3474,611	0,300	\$450,661 ¢n	9,000	\$522,072 ¢n
General recreation	15	39	\$35.10		\$1 368 90				Sc	-	5	n	\$0		SC		SO		\$0		50		\$0		50
Going to the beach	5	33	\$39.43	\$5.06	\$1,301,19	\$45.09	\$1,488.07		SC		S	0	SO		SC		SO		\$0		SO SO		\$0		SC
Hiking	21	68	\$30.84	\$4.33	\$2,097.12	\$35.27	\$2,398.31	2,900	\$102,281	0) S	2,617	\$92,302	2,596	\$91,554	2,709	\$95,545	0	\$0	1,933	\$68,187	1,837	\$64,778	2,127	\$75,006
Horseback riding	1	1	\$18.12		\$18.12	\$20.72	\$20.72	400	\$8,289	0) \$	361	\$7,480	358	\$7,420	374	\$7,743	0	\$0	267	\$5,526	253	\$5,250	293	\$6,079
Hunting	192	277	\$46.92	\$2.20	\$12,996.84	\$53.66	\$14,863.44	300	\$16,098	0) \$	0 271	\$14,527	269	\$14,409	280	\$15,038	0	\$0	200	\$10,732	190	\$10,195	220	\$11,809
Motorboating	15	32	\$46.27	\$7.43	\$1,480.64	\$52.92	\$1,693.29	15,600		0) \$1	14,078		13,964	\$738,904	14,573		0	\$0	10,400		9,880		11,440	\$605,351
Mountain biking	7	32	\$73.78	\$12.11	\$2,360.96	\$84.38	\$2,700.04	1,300		0) \$	0 1,173		1,164	\$98,185	1,214		0	\$0	867		823		953	\$80,439
Off-road vehicle driving	4	10	\$22.92	\$3.95	\$229.20		\$262.12	100	\$2,621	0) \$1	90		90	\$2,346	93	\$2,449	0	\$0	67		63		73	\$1,922
Other recreation	15	16	\$48.70	\$11.57	\$779.20	\$55.69	\$891.11	800		0	\$	722		716	\$39,883	747	\$41,621	0	\$0	533		507	\$28,218	587	\$32,674
Picnicking	8	13	\$41.46	\$10.69	\$538.98	\$ \$47.41 \$ \$67.74	\$616.39	23,000	\$1,090,533	0	\$	20,756	\$984,139	20,588	\$976,160	21,485	\$1,018,717	0	\$0	15,333	\$727,022	14,567	\$690,671	16,867	\$799,724
Pleasure driving (may incl sightseeing) Rock climbing	4	27	\$59.23	\$18.84	\$651.53	, ,	\$745.10 \$1.737.18		\$0	l	9	ol .	\$0		\$0	 	\$0	-	\$0		\$0		\$0		\$0
Scuba diving	2	24	\$32.36		\$1,519.02	\$37.01	\$1,737.18	l	\$0	 	9	ň	\$0	l	ŞL Çr	1	\$0		\$0	-	\$0		\$0		ŞU Çn
Sightseeing	15	28	\$36.84	\$8.80	\$1,031.52		\$1,179.67	19.800	\$834.193	0) 9	0 17,868	\$752,808	17,723	\$746,704	18.496	\$779,258	0	\$0	13,200	\$556.129	12,540	\$528.322	14,520	\$611.741
Snorkeling	1	9	\$30.31	\$15.36	\$272.79	\$34.66	\$311.97	22,500	ŚC		S	0	SO	2.,723	SC	22,450	SO		SO	25,200	So	22,540	\$0	1.,320	\$0
Snowmobiling	3	8	\$36.29	\$13.24	\$290.32	\$41.50	\$332.02		\$0		\$	0	\$0		\$0		\$0)	\$0		\$0		\$0		\$0
Swimming	11	26	\$42.68	\$6.14	\$1,109.68	\$48.81	\$1,269.05	22,600	\$1,103,099	0) \$	20,395	\$995,480	20,230	\$987,408	21,112	\$1,030,456	0	\$0	15,067	\$735,399	14,313	\$698,629	16,573	\$808,939
Visiting environmental education centers	1	1	\$6.01		\$6.01	\$6.87	\$6.87		\$0		\$	D	\$0		\$0		\$0)	\$0		\$0		\$0		\$0
Visiting arboretums	1	1	\$13.54		\$13.54		\$15.48		\$0		Ş	D	\$0		\$0		\$0)	\$0		\$0		\$0		\$0
Visiting aquariums	1	1	\$28.31		\$28.31	\$32.38	\$32.38		\$0		\$1	D	\$0		\$0		\$0)	\$0		\$0		\$0		\$0
Waterskiing	1	4	\$49.02	\$12.72	\$196.08	\$56.06	\$224.24		\$0		Ş	0	\$0		\$0		\$0)	\$0		\$0		\$0		\$0
Wildlife viewing	69	240	\$42.36 \$395.47	\$2.64	\$10,166.40	\$48.44 \$452.27	\$11,626.50 \$452.27		\$0		9	D .	\$0		Şt		\$0)	\$0		\$0		\$0	l	\$0
Windsurfing					\$395.47										ŞL	, ,	ŞU)	50		50	1 1	50		50
	503	1 220		+-				100.000	£4.040.7F2			00.244	C4 27F 704	00 513	£4.240.22E	02.415	C4 F30 44F		ćo	66.667	62 222 502	62 222	62 070 077	72 222	
TOTAL	593	1,239	\$47.64		\$59,028.02	\$54.48	\$67,505.61	100,000		0	\$ #DIV/0	90,244	+ 1/01 0/10	89,512	\$4,340,225	93,415	\$4,529,445	0	\$0 #DIV/01	66,667		63,333	+=/=:=/=::	73,333	\$3,555,752
TOTAL	593	1,239		-				100,000	\$4,848,753 \$48.49	0	\$ #DIV/0		\$4,375,704 \$48.49	00,000	\$4,340,225 \$48.49	00,100	\$4,529,445 \$48.49	0	\$0 #DIV/0!		\$3,232,502 \$48.49		\$3,070,877 \$48.49	,	\$3,555,752 \$48.49
TOTAL Steve Pavich: Alternative			\$47.64	-	\$59,028.02	\$54.48		100,000		0	#DIV/0		+ 1/01 0/10	00,000	+ 1/4 14/444	00,100	† 1,0000) 1 10	0	\$0 #DIV/0!				+=/=:=/=::	,	
TOTAL Steve Pavich: Librarius Table 2—Summary statistics on average.	consumers	urplus values	\$47.64	n per day by	\$59,028.02	\$54.48		100,000		0	\$1 #DIV/0		+ 1/01 0/10	00,000	+ 1/4 14/444	00,100	† 1,0000) 1 10	0	\$0 #DIV/0!				+=/=:=/=::	,	
TOTAL Steve Pavich: Alternative	consumers	urplus values	\$47.64		\$59,028.02 activity	\$54.48	\$67,505.61		\$48.49		·		\$48.49	33,33	\$48.49		\$48.49				\$48.49		\$48.49		\$48.49
TOTAL Steve Pavich: Alternative Alternative and region, 1967–2003 (2004 dollars) - P/	consumers	urplus values	\$47.64 s per person	Standard	\$59,028.02 activity	\$54.48 \$54.48	\$67,505.61	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49
TOTAL	consumers	urplus values	\$47.64	Standard Error	\$59,028.02 activity	\$54.48 \$54.48 Mean \$ (2010)	\$67,505.61		\$48.49		·		\$48.49	33,33	\$48.49		\$48.49				\$48.49		\$48.49		\$48.49
TOTAL Steve Pavich: Table 2—Summary statistic on seringe and region, 1967–2003 (2004 dollars) - Pa Activity Backpacking	consumers	urplus values	\$47.64 s per person	Standard	\$59,028.02 activity	\$54.48 \$54.48 \$64.48 \$64.48	\$67,505.61	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49
TOTAL Steve Pavich:	consumers	urplus values	\$47.64 s per person Mean \$52.10	Standard Error \$9.29	\$59,028.02 activity - \$312.60 \$0.00	S54.48 S54.48 S54.48	\$67,505.61 \$4000 \$357.50 \$0.00	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49
TOTAL Steve Pavich: Table 2—Summary statistics on swarzage and region, 1967-2003 (2004 dollars) =Pi Activity Backpacking Birdwatching Camping	consumers	urplus values	\$47.64	Standard Error \$9.29	\$59,028.02 activity - \$312.60 \$0.00 \$417.40	\$54.48 \$54.48 \$64.48 \$64.48	\$67,505.61 \$um \$357.50 \$0.00 \$477.35	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49
TOTAL Steve Pavich:	consumers	urplus values	\$47.64 s per person Mean \$52.10 \$104.35	Standard Error \$9.29 \$45.38	\$59,028.02 activity - \$312.60 \$0.00	Mean 5 (2010) 559.58 50.00 5119.34 \$55.33	\$67,505.61 \$4000 \$357.50 \$0.00	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	\$48.49
TOTAL Steve Pavich:	consumers	urplus values	\$47.64 Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36	\$1.00 \$2.00 \$45.38 \$0.00 \$0.00 \$8.68	\$59,028.02 activity - \$312.60 \$0.00 \$417.40 \$48.38 \$25.08 \$665.40	Mean S (2010) 559.58 5.0.00 5119.34 \$ 555.33 \$ 528.68 0 \$50.73	\$67,505.61 \$1000 \$357.50 \$477.35 \$55.33 \$28.68 \$760.96	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0	# Visitor Days	\$48.49	# Visitor Days	\$48.49	# Visitor Days	Total Rec	# Visitor Days	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	# Visitor Days	\$48.49	# Visitor Days	\$48.49
TOTAL Steve Pavici. Table 2—Summary statistics on average and region, 1967-2003 (2004 dollars) -Pi Activity Backpacking Birdwatching Camping Cross-country sking Downhill sking Fishing	consumers	Estimates. 6 4 1 1 15 4	Mean \$52.10 \$104.35 \$48.38 \$25.88 \$44.36 \$27.84	\$1.01 \$5.29 \$45.38 \$0.00 \$0.00 \$8.68 \$1.01	\$59,028.02 activity - \$312.60 \$0.00 \$417.40 \$48.38 \$25.08 \$665.40 \$111.36	Mean S (2010) 559.58 50.00 5119.34 555.33 528.68 50.07 531.84	\$400 \$357.50 \$477.35 \$55.33 \$28.68 \$760.96 \$127.35	# Visitor Days (MAX) 0 0 0 0	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days	Total Rec	#Visitor Days	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0	# Visitor Days (R-AVE) 0 0 0	\$48.45 Total Rec Value SC SC SC SC SC SC SC SC SC S	#Visitor Days (C-AVE) 0 0 0 0	\$48.49 Total Rec Value S0 S0 S0 S0 S0	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	# Visitor Days (B-AVE) 0 0 0 0	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days (C-AVE) 0 0	\$48.49 Total Rec Value S0 S0 S0 S0 S0
TOTAL Steve Pavich:	consumers	Estimates 6 4 1 1 15	\$47.64 Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36	\$1.00 \$2.00 \$45.38 \$0.00 \$0.00 \$8.68	\$59,028.02 activity \$312.60 \$0.00 \$417.40 \$48.38 \$25.08 \$655.40 \$111.36	Mean S (2010) (2	\$67,505.61 \$4200 \$357.50 \$0.00 \$477.35 \$55.33 \$28.68 \$760.96 \$127.35 \$332.96	# Visitor Days (MAX) 0 0 0 0 0 0 13,200	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days	Total Rec	#Visitor Days	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0	# Visitor Days (R-AVE) 0 0 0	\$48.45 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	#Visitor Days (C-AVE) 0 0 0 0	\$48.49 Total Rec Value S0 S0 S0 S0 S0	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 8,800	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	# Visitor Days (B-AVE) 0 0 0 0 0 8,360	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days (C-AVE) 0 0	\$48.49 Total Rec Value S0 S0 S0 S0 S0
TOTAL Steve Pavid: Table 2—Summary statistics on average and region, 1967-2003 (2004 dollars) -P/ Backpacking Bird watching Camping Cross-country sking Downhill sking Fishing Fishing General recreation General recreation	consumers	urplus values Estimates 6 4 1 1 15 4 9	\$47.64 Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35	\$tandard Error \$9.29 \$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38	\$59,028.02 activity - \$312.60 \$0.00 \$417.40 \$48.38 \$525.08 \$665.40 \$111.36 \$291.15 \$5.00	Mean 5 (2010) 559.58 550.00 559.58 550.33 8 528.68 550.73 8 528.68 550.73 8 528.68 550.73 8 528.68	\$67,505.61 \$357.50 \$0.00 \$477.35 \$58.33 \$28.68 \$760.96 \$127.35 \$332.96 \$0.00	# Visitor Days (MAX) 0 0 0 0 13,200 0 0 0	\$48.49 Total Rec Value \$0 \$0 \$0 \$669,645 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days	Total Rec	# Visitor Days	\$48.49 Total Rec Value \$0 \$0 \$0 \$604,317 \$0 \$0	# Visitor Days (R-AVE) 0 0 0 0 11,816 0 0	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$559,417 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days (C-AVE) 0 0 0 0 12,331 0 0	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 8,800 0 0 0	\$48.49 Total Rec. Value \$0 \$0 \$0 \$446,433 \$0 \$0 \$0 \$0	# Visitor Days (B-AVE) 0 0 0 0 0 8,360 0	\$48.49 Total Rec. Value \$0 \$0 \$0 \$0 \$424,111 \$0 \$0 \$0	# Visitor Days (C-AVE) 0 0 0 0 9,680 0	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$491,076 \$0 \$0 \$0
TOTAL Steve Pavich:	consumers	Estimates. 6 4 1 1 15 4	Mean \$52.10 \$104.35 \$48.38 \$25.88 \$44.36 \$27.84	\$1.01 \$5.29 \$45.38 \$0.00 \$0.00 \$8.68 \$1.01	\$59,028.02 activity - \$312.60 \$0.00 \$417.40 \$48.38 \$565.40 \$111.36 \$59.115 \$60.00 \$1,138.76	Mean S (2010) (2010) (559.58 (559.58 (550.73 (\$67,505.61 \$357.50 \$0.00 \$477.33 \$28.68 \$760.96 \$127.35 \$332.96 \$0.000 \$1,302.31	# Visitor Days (MAX) 0 0 0 0 13,200 0 0 2,900	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days	Total Rec	# Visitor Days	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0	# Visitor Days (B-AVE) 0 0 0 0 11,816 0 0 0 2,596	\$48.45 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days (C-AVE) 0 0 0 0 0 12,331 0 0 0 0	\$48.49 Total Rec Value S0 S0 S0 S0 S0	# Visitor Days	Total Rec	# Visitor Days [A-AVE] 0 0 0 0 8,800 0 1,933	\$48.49 Total Rec. Value \$0 \$0 \$0 \$446,433 \$0 \$0 \$0 \$0	# Visitor Days (B-AVE) 0 0 0 0 0 8,360 0 0 0	\$48.49 Total Rec Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days (C-AVE) 0 0 0 0 9,680 0 0 0	\$48.49 Total Rec Value S0 S0 S0 S0 S0
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967-2003 (2004 dollars) -P/ Activity Backpacking Bird watching Camping Cross-country sking Downhill sking Flohing Flohing Flohing General recreation General recreation General recreation Going to the beach Hiking	consumers	Estimates. 6 4 1 1 5 4 9	Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35	\$tandard Error \$9.29 \$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65	\$312.66 \$0.00 \$417.40 \$48.38 \$25.08 \$291.15 \$0.00 \$111.36 \$291.55	Mean 5 (2010) 559.58 550.00 551.34 5 537.00 50.0	\$67,305.61 \$200 \$37,50 \$0.00 \$477,35 \$55,33 \$780.96 \$127,35 \$32,96 \$0.00 \$1,302,31 \$0.00	# Visitor Days (MAX) 0 0 0 13,200 0 2,900 400	\$48.49 Total Rec. Value S0 \$0 \$669,645 \$0 \$77,075	# Visitor Days	Total Rec	# Visitor Days	\$48.49 Total Rec. Value S0 \$0 \$0 \$604,317 \$0 \$0 \$69,556 \$69,556	# Visitor Days (R-AVE) 0 0 0 0 11,816 0 0 0 2,596 358	\$48.45 Total Rec. Value \$0 \$0 \$0 \$59,417 \$50 \$68,992	# Visitor Days (C-AVE) 0 0 0 0 12,331 0 0 2,709 374	\$48.49 Total Rec. Value S0 S0 S0 \$625,556 S0 \$72,000 \$0	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 0 8,800 0 0 0 1,933 267	\$48.49 Total Rec. Value \$0 \$0 \$0 \$446,433 \$0 \$0 \$51,384	# Visitor Days (8-AVE) 0 0 0 0 0 8,360 0 0 0 1,837 253	\$48.49 Total Rec. Value \$0 \$0 \$0 \$424,111 \$0 \$0 \$44,814	# Visitor Days (C-AVE) 0 0 0 0 9,680 0 0 0 2,127 293	\$48.49 Total Rec. Value \$0 \$0 \$0 \$491,076 \$0 \$0 \$56,522 \$56,522
TOTAL Steve Pavich:	consumers	urplus values Estimates 6 4 1 1 15 4 9	Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24	\$tandard Error \$9.29 \$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38	\$59,028.02 activity - \$312.60 \$0.00 \$417.40 \$48.38 \$565.40 \$111.36 \$59.115 \$60.00 \$1,138.76	Mean S (2010) \$59.58 \$59.58 \$59.50 \$5119.34 \$52.68 \$55.33 \$28.68 \$50.73 \$37.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00	\$67,305.61 \$400.00 \$357.50 \$0.00 \$477.25 \$55.33 \$28.68 \$322.96 \$127.35 \$0.00 \$1,302.31 \$0.00	# Visitor Days (MAX) 0 0 0 0 13,200 0 2,900 400 300	\$48.43 Total Rec. Value SC. SC. SC. SC. SC. SC. SC. SC. SC. SC	# Visitor Days	Total Rec	# Visitor Days. (A-AVE)	Total Rec Value S0 S0 S0 S0 S0 S0 S0 S	# Visitor Days (R-AVE) 0 0 0 0 11,816 0 0 2,596 358 269	\$48.45 Total Rec. Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days (C-AVE) 0 0 0 0 0 12,331 0 0 0 2,709 374 280	\$48.49 Total Rec. Value SO SO SO \$625,556 \$572,000 \$0 \$14,579	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 0 8,800 0 0 1,933 267 200	Total Rec Value S0 S0 S0 S0 S446,433 S0 S0 S51,384	# Visitor Days (R-AVE) 0 0 0 0 0 0 8,360 0 0 0 1,837 253 190	\$48.49 Total Rec Value 50 50 50 50 \$424,111 \$50 \$48,814 \$50 \$58,884	# Visitor Days (C-AVE) 0 0 0 0 0 9,680 0 0 2,127 293 220	\$48.45 Total Rec. Value SC. SC. SC. SC. S491,076 SC. SC. \$56,522 \$11,445
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967-2003 (2004 dollars) -P/ Activity Backpacking Bird watching Camping Cross-country sking Downhill sking Flohing Flohing Flohing General recreation General recreation General recreation Going to the beach Hiking	consumers	Estimates. 6 4 1 1 5 4 9	Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35	\$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65	\$312.60 \$312.60 \$0.00 \$417.40 \$48.38 \$55.08 \$665.40 \$111.38 \$50.00 \$1,138.76	Mean 5 (2010) 559.58 550.00 551.34 5 531.34 5 53.70 50.00 5 526.58 5 50.00 5 5	\$67,305.61 \$200 \$37,50 \$0.00 \$477,35 \$55,33 \$780.96 \$127,35 \$32,96 \$0.00 \$1,302,31 \$0.00	# Visitor Days (MAX) 0 0 0 13,200 0 2,900 400	\$48.43 Total Rec. Value SC. SC. SC. SC. SC. SC. SC. SC. SC. SC	# Visitor Days	Total Rec	# Visitor Days [A-AVE] 0 0 0 0 0 0 0 11,912 0 0 0 0 0 0 0 0 11,912 0 0 0 0 1,912 0 1,9	\$48.49 Total Rec. Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days (R-AVE) 0 0 0 0 11,816 0 0 0 2,596 358	\$48.45 Total Rec. Value \$0 \$0 \$0 \$59,417 \$50 \$68,992	# Visitor Days (C-AVE) 0 0 0 0 12,331 0 0 2,709 374	\$48.49 Total Rec. Value SO SO SO \$625,556 \$572,000 \$0 \$14,579	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 0 8,800 0 0 0 1,933 267	Total Rec Value S0 S0 S0 S0 S446,433 S0 S0 S51,384	# Visitor Days (8-AVE) 0 0 0 0 0 8,360 0 0 0 1,837 253	\$48.49 Total Rec. Value 50 50 50 50 \$424,111 \$50 \$48,814 \$50,394 \$48,814 \$50,394 \$48,814 \$50,394	# Visitor Days (C-AVE) 0 0 0 0 9,680 0 0 0 2,127 293	\$48.49 Total Rec. Value \$0 \$0 \$0 \$491,076 \$0 \$0 \$56,522 \$56,522
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967–2003 (2004 dollars) -P/ Activity Sackpacking Sirkpacking Cross-country skiing Downhill skiing Pownhill skiing Flating Flating Flating General recreation General recreation General recreation Hiking Hunting Hu	consumers	Estimates 6 4 1 15 4 9 49 18 8	Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24 \$45.49 \$26.94	\$tandard Error \$9.29 \$45.38 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90	\$53,028.02 activity \$312.60 \$0.00 \$417.40 \$48.38 \$25.08 \$25.08 \$111.36 \$20.00 \$11,138.76 \$0.00 \$818.82 \$21.55 \$21.55	Mean S. (2010) 559.58 5 50.00 519.34 5 550.73 6 531.84 5 537.00 50.00 6 526.58 6 50.00 6 526.58 6 50.00 526.58 7 530.00 6 526.50 7 530.00 6 526.50 7 530.00 6 526.50 7 530.00	\$67,305.61 \$4000 \$477.35 \$57.00 \$477.35 \$55.33 \$780.96 \$127.35 \$322.96 \$30.00 \$12,203.31 \$30.00 \$30.00 \$30.00 \$30.00 \$477.35 \$477.3	# Visitor Days (MAX) 0 0 0 13,200 0 0 2,900 400 300 15,600	\$48.49 Total Rec. Value \$0 \$0 \$0 \$0 \$669,648 \$77,079 \$77,079 \$480,622 \$484,623	# Visitor Days	Total Rec	# Visitor Days. (A-AVE)	\$48.49 Total Rec. Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days. (8-AVE) 0 0 0 11,816 0 0 2,596 358 269 13,964	\$48.45 Total Rec. Value \$10 \$50 \$50 \$599,417 \$65,999 \$66,999 \$6430,215 \$430,215	© Visitor Days (C-AVE) 0 0 0 0 12,331 0 0 2,709 374 280 14,573	548.49 Total Rec. Yalue S0 S0 S0 S0 \$50 \$50 \$50 \$572,000 \$514,575 \$448,974	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 8,800 0 0 1,933 267 200 10,400	\$48.49 Total Rec. Value \$0 \$0 \$0 \$445,433 \$0 \$0 \$0 \$0 \$0 \$10,405 \$320,415 \$320,415	# Visitor Days (B-AVE) 0 0 0 0 8,360 0 0 0 1,837 253 190 9,880	\$48.49 Total Rec. Value 50 50 50 50 \$424,111 \$50 \$48,814 \$50,394 \$48,814 \$50,394 \$48,814 \$50,394	# Visitor Days (C-AVE) 0 0 0 9,680 0 0 2,127 293 220 11,440	\$48.49 Total Rec. Value So
TOTAL Steve Pavich: Table 2—Summary statistics on swarzage and region, 1967-2003 (2004 dollars) =Pi Activity Backpacking Birdwatching Camping Cross-country skiing Downhill skiing Fishing Fishing Fishing General recreation Going to the beach Hiking Horseback riding Hunting Mountain biking Off-road wehicle driving	consumers	Estimates 6 4 1 1 15 4 9 49 18 8 16	Mean 552.10 5104.35 548.38 525.08 544.36 527.84 532.35 523.24 545.49 546.94 549.68 540.37 574.47	\$45.38 \$0.00 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90 \$2.74 \$0.00 \$0.00	\$59,028.02 activity - \$312.60 \$00.00 \$417.40 \$48.83 \$25.08 \$565.40 \$511.38 \$50.00 \$11.28 \$50.00 \$11.28 \$40.37 \$40.37 \$544.37	Mean S (2010) 554.48 554.48 554.48 554.48 555.33 555.33 555.33 555.73 55	\$67,505.61 \$4000 \$157,50 \$0,000 \$477,35 \$55,33 \$12,86 \$127,25 \$12,25 \$12,00 \$1,20,23 \$20,00 \$386,42 \$20,00 \$396,42 \$300,00 \$400,00	# Visitor Days. (MAX)	\$48.49 Total Rec. Value \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	# Visitor Days	Total Rec	# Visitor Days [A-AVE]	\$48.49 Total Rec. Value 50 50 \$00 \$60,317 \$00 \$05 \$05 \$05 \$05 \$05 \$14,084 \$43,732 \$66,654 \$61,468 \$61,468	# Visitor Days. (B-AVE) 0 0 0 0 11.816 0 0 0 2.596 3388 259 13,964 90 716	\$48.45 Total Rec. Value \$55 \$55 \$59,417 \$55 \$66,113 \$66,113 \$66,135	# Visitor Days. (C-AVE) 0 0 0 0 0 12,331 0 0 2,709 280 24,573 1,214	\$48.49 Total Rec. Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 0 0 8,800 0 0 1,933 2666 200 10,400 8676 5333	\$48.49 Total Rec. Value 50 50 50 \$446,433 \$50 \$51,384 \$51,384 \$520,415 \$49,240 \$549,240 \$549,240	# Visitor Days. (B-AYE) 0 0 0 0 0 8,360 0 0 1,837 253 190 9,880 822 823 507	\$48.49 Total Rec. Value 50 50 50 \$0 \$424,111 41,111 41,112 50,884 50,884 50,884 \$46,778 \$2,924 \$43,150	## Visitor Days. (C-AVE) 0 0 0 0 9,680 0 0 2,127 233 220 11,440 933 73 587 587	\$48.49 Total Rec. Value SO SO SO SO SO SO SO SO SO S
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967–2003 (2004 dollars) -P/ Activity Sackpacking Sarkwatching Camping Cross-country sking Downhill sking Ploatboating/rafting/canoeing General recreation General recreation General recreation Histing Hunting Mountain biking Motorboating Mountain biking Off-road welside driving Off-road welside driving Off-road welside driving Off-road welside driving Off-rorecreation	consumers	urplus values sit in the sit in t	Mean 552.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24 \$45.49 \$26.94 \$49.68 \$40.37	\$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90 \$2.74 \$0.00	\$59,028.02 activity - \$312.60 \$0.00 \$417.40 \$48.38 \$555.80 \$555.80 \$5111.36 \$591.11.36 \$591.11.37 \$5291.15.25 \$574.88 \$543.75 \$574.87	Mean S (2010) (2010) (559.58 (50.00 (519.34 (555.33 (555.33 (556.68 (5	\$67,505.61 \$4000 \$357,50 \$0.00 \$477,35 \$55,31 \$12,26 \$50,00 \$1,302,31 \$50,00 \$51,302,31 \$50,00 \$51,402,31 \$50,00 \$51,402,31 \$50,00 \$51,402,31 \$50,00 \$51,402,31 \$50,00 \$51,402,31 \$50,00 \$51,402,31 \$50,00 \$50	B Visitor Days. [MAX] 0 0 0 13,200 0 0 2,900 400 15,600 1,300	\$48.49 Total Rec_ Value \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	# Visitor Days	Total Rec	# Visitor Days IA-AVE 0	\$48.49 Total Rec. Value 50 50 \$00 \$60,317 \$00 \$05 \$05 \$05 \$05 \$05 \$14,084 \$43,732 \$66,654 \$61,468 \$61,468	8 Visitor Days. (R-AVE) 0 0 0 11,816 0 0 2,596 338 2699 13,964 1,164 90	\$48.45 Total Rec_ Value \$6 \$6 \$5 \$5 \$5 \$5 \$68,992 \$6 \$63,0215 \$64,333 \$64,333	a Visitor Days. (C-AVE) 0 0 0 10 12,331 0 0 2,709 374 2800 14,573 1,1214	548.49 Total Rec. Value S0 S0 S0 \$0 \$0 \$72,000 \$14,575 \$448,973 \$64,945 \$4,343	# Visitor Days	Total Rec	8 Visitor Days (A-AVE) 0 0 0 0 0 8,8000 0 1,933 267 2000 10,400 867	\$48.49 Total Rec. Value 50 50 50 \$446,433 \$50 \$51,384 \$51,384 \$520,415 \$49,240 \$549,240 \$549,240	8 Visitor Days. (B-AVF) 0 0 0 0 0 8,360 0 0 1,8373 253 190 9,880 823	\$48.49 Total Rec. Value 50 50 50 \$0 \$424,111 41,111 41,112 50,884 50,884 50,884 \$46,778 \$2,924 \$43,150	8 Visitor Days. (C-AVE) 0 0 0 9,680 0 0 220 11,440 953	\$48.49 Total Rec. Value \$0 \$0 \$0 \$0 \$491,076 \$0 \$0 \$56,522 \$0 \$11,448 \$3382,456 \$43,164 \$43,388
TOTAL Steve Pavich: Table 2—Summary statistics on swerage and region, 1967-2003 (2004 dollars) -Pi Activity Backpacking Birdwatching Camping Cross-country sking Downhill sking Fishing Fishing Fishing General recreation General recreation General recreation Hiking Hortsback riding Hortspack riding Hortspack riding Piersking Pleasure driving Pleasure driving	consumers	riplus values ii	Mean 552.10 5104.35 548.38 525.08 544.36 527.84 532.35 523.24 545.49 546.94 549.68 540.37 574.47	\$45.38 \$0.00 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90 \$2.74 \$0.00 \$0.00	559,028.02 activity - \$312.66 \$0.000 \$417.40 \$48.38 \$25.08 \$505.40 \$5112.85 \$50.00 \$51.138.76 \$51.138.	Meon S (2010) (2010)	\$67,305.61 \$1,57,50 \$0.00 \$477.35 \$127.86 \$127.35 \$12,02.31 \$0.00 \$396.42 \$500.00 \$396.42 \$500.00 \$300.00 \$	# Visitor Days. (MAX)	\$48.49 Total Rec. Value \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	# Visitor Days	Total Rec	# Visitor Days [A-AVE]	\$48.49 Total Rec. Value 50 50 \$00 \$60,317 \$00 \$05 \$05 \$05 \$05 \$05 \$14,084 \$43,732 \$66,654 \$61,468 \$61,468	# Visitor Days. (B-AVE) 0 0 0 0 11.816 0 0 0 2.596 3388 259 13,964 90 716	\$48.45 Total Rec. Value \$55 \$55 \$59,417 \$55 \$66,113 \$66,113 \$66,135	# Visitor Days. (C-AVE) 0 0 0 0 0 12,331 0 0 2,709 280 24,573 1,214	\$48.49 Total Rec. Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 0 0 8,800 0 0 1,933 2666 200 10,400 8676 5333	\$48.49 Total Rec. Value 50 50 50 \$446,433 \$50 \$51,384 \$51,384 \$520,415 \$49,240 \$549,240 \$549,240	# Visitor Days. (B-AYE) 0 0 0 0 0 8,360 0 0 1,837 253 190 9,880 822 823 507	\$48.49 Total Rec. Value 50 50 50 \$0 \$424,111 41,111 41,112 50,884 50,884 50,884 \$46,778 \$2,924 \$43,150	## Visitor Days. (C-AVE) 0 0 0 0 9,680 0 0 2,127 233 220 11,440 933 73 587 587	\$48.45 Total Rec. Value SC SC SC \$491,076 SC SC \$5491,076 SC \$555,522 \$549,164 \$5332,465 \$54,164 \$5338,885 \$54,966
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967–2003 (2004 dollars) -P/ Activity Sackpacking Stirdwatching Compring Compring Downhill sking Pownhill sking Pownhill sking Fishing General recreation General recreation General recreation History Horseback riding Hunting Mountain biking Offer road vehicle driving Offer road vehicle driving Offer recreation Pleasure driving Pleasure driving Pleasure driving Pleasure driving Rock climbing	consumers	riplus values of 1	Mean 552.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24 \$49.68 \$40.37 \$74.47 \$74.47 \$74.47	\$\text{Standard}\$ \text{Error}\$ \$9.29 \$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90 \$2.74 \$0.00 \$39.66	S59,028.02 activity S312.60 S00.00 \$417.40 \$511.85 \$555.00 \$111.88.76 \$50.00 \$111.88.76 \$50.00 \$511.98.75 \$50.00 \$511.98.76 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00	Mean S. (2010) St. (2010) St	\$67,305.61 \$4000 \$337,50 \$0.00 \$0.00 \$747,35 \$55,33 \$760,36 \$127,35 \$30,00 \$0.00 \$	# Visitor Days. (MAX)	\$48.49 Total Rec. Value \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	# Visitor Days	Total Rec	# Visitor Days [A-AVE]	\$48.49 Total Rec. Value 50 50 \$00 \$60,317 \$00 \$05 \$05 \$05 \$05 \$05 \$14,084 \$43,732 \$66,654 \$61,468 \$61,468	# Visitor Days. (B-AVE) 0 0 0 0 11.816 0 0 0 2.596 3388 259 13,964 90 716	\$48.45 Total Rec. Value \$55 \$55 \$59,417 \$55 \$66,113 \$66,113 \$66,135	# Visitor Days. (C-AVE) 0 0 0 0 0 12,331 0 0 2,709 280 24,573 1,214	\$48.49 Total Rec. Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 0 0 8,800 0 0 1,933 2666 200 10,400 8676 5333	\$48.49 Total Rec. Value 50 50 50 \$446,433 \$50 \$51,384 \$51,384 \$520,415 \$49,240 \$549,240 \$549,240	# Visitor Days. (B-AYE) 0 0 0 0 0 8,360 0 0 1,837 253 190 9,880 822 823 507	\$48.49 Total Rec. Value 50 50 50 \$0 \$424,111 41,111 41,112 50,884 50,884 50,884 \$46,778 \$2,924 \$43,150	## Visitor Days. (C-AVE) 0 0 0 0 9,680 0 0 2,127 233 220 11,440 933 73 587 587	\$48.45 Total Rec. Value SC SC SC \$491,076 SC SC \$5491,076 SC \$555,522 \$549,1076 \$549,1076 \$554,164 \$5332,465 \$54,164 \$53,388
TOTAL Steve Pavich: Table 2—Summary statistics on swerage and region, 1967-2003 (2004 dollars) -Pi Activity Backpacking Birdwatching Camping Cross-country sking Downhill sking Fishing Fishing Fishing Fishing General recreation General recreation General recreation General recreation Hirseback riding Hunting Mountain biking Off-road vehicle driving Offererestation Picnicking Piesaure driving Rock climbing Rock climbing Rock climbing	consumers	replus values of 1	Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24 \$49.68 \$40.37 \$74.47 \$64.22	\$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90 \$0.0	S539,028.02 activity - \$312.66 500.00 \$417.40 \$48.38 \$525.00 \$511.36 \$529.15 \$50.00 \$51.128.76 \$50.00 \$51.128.76 \$50.00 \$51.128.76 \$50.00 \$51.128.76 \$50.00 \$51.00 \$51.00 \$51.00 \$55.00 \$55.00 \$55.00	Mean S. (2010) (\$67,006.61 \$4000.557,500 \$0.000 \$477,35 \$55,33 \$132,96 \$100,03 \$100,000 \$1,000,000 \$40,000 \$	E.Visitor Days. [MAX] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.45 Total Rec. Value SC. SC. SC. SC. SC. SC. SC. SC. SC. SC	# Visitor Days	Total Rec	# Visitor Days IA-AVE	\$48.49 Total Rec. Value 50 50 50 50 50 50 50 51,108 \$41,616 \$61,485 \$1,524,395 50 50 50 50 50 50 50 50 50	E Visitor Days. (B-AVE) 0 0 0 0 11,816 0 0 2,596 338 269 13,964 90 716 20,588 0 0 0 0 0	\$48.45 Total Rec. Value \$50 \$50 \$50 \$50 \$59,411 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50	8 Visitor Days. [C-AVE] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value S0 \$00 \$00 \$00 \$00 \$00 \$00 \$00	# Visitor Days	Total Rec	# Visitor Days. [A-AVE] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value So So So So So So So So So S	8 Visitor Days. (B-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value SO SO SO \$424,1111 SO \$58,814 \$50,334 \$45,778 \$2,924 \$43,150 \$51,069,823 SO SO SO SO SO SO SO SO SO S	E Visitor Days. (C-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value 50 50 50 50 50 50 50 51 5491,076 55 555,522 51,444 53,386 549,966 51,238,743 50 50 50
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967–2003 (2004 dollars) -P/ Activity Backpacking Sirdwatching Camping Conse-country sking Downhill sking Fishing Floatboating/rafting/canoeing General recreation General recreation General recreation Hisrog Hunting Mountain biking Other recreation Pienicking Pienature driving Other recreation Pienicking Pienature driving Rock climbing Scuba diving Schaberer Sch	consumers	riplus values of 1	Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24 \$45.49 \$26.94 \$49.68 \$40.37 \$74.47 \$64.22	\$100 \$100 \$100 \$100 \$100 \$100 \$100 \$100	SS9,028.02 activity \$312.60 \$50.00 \$417.40 \$511.36 \$555.40 \$511.38 \$75.38 \$591.15 \$50.00 \$51.82 \$794.83 \$51.52 \$574.83 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00	Mean S (2010) S (19.34 S (20.00) S (19.34 S (20.00) S (2	Sum SST, 50 SO, 00 ST, 20 ST,	# Visitor Days. (MAX)	\$48.49 Total Rec. Value \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$5	# Visitor Days	Total Rec	# Visitor Days [A-AVE]	\$48.49 Total Rec. Value 50 50 50 50 50 50 50 51,108 \$41,616 \$61,485 \$1,524,395 50 50 50 50 50 50 50 50 50	# Visitor Days. (B-AVE) 0 0 0 0 11.816 0 0 0 2.596 3388 259 13,964 90 716	\$48.45 Total Rec. Value \$55 \$55 \$59,417 \$55 \$66,113 \$66,113 \$66,135	# Visitor Days. (C-AVE) 0 0 0 0 0 12,331 0 0 2,709 280 24,573 1,214	\$48.49 Total Rec. Value \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	# Visitor Days	Total Rec	# Visitor Days (A-AVE) 0 0 0 0 0 0 8,800 0 0 1,933 2666 200 10,400 8676 5333	\$48.49 Total Rec. Value 50 50 50 \$446,433 \$50 \$51,384 \$51,384 \$520,415 \$49,240 \$549,240 \$549,240	# Visitor Days. (B-AYE) 0 0 0 0 0 8,360 0 0 1,837 253 190 9,880 822 823 507	\$48.49 Total Rec. Value 50 50 50 \$0 \$424,111 41,111 41,112 50,884 50,884 50,884 \$46,778 \$2,924 \$43,150	## Visitor Days. (C-AVE) 0 0 0 0 9,680 0 0 2,127 233 220 11,440 933 73 587 587	\$48.49 Total Rec. Value SO SO SO SO SO SO SO SO SO S
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967-2003 (2004 dollars) -Pi Activity Backpacking Birdwatching Camping Cross-country sking Downhill sking Fishing Fishing Fishing Fishing General recreation Genig to the beach Hiking Hunting Mountain biking Mountain biking Off-road vehicle driving Off-road vehicle driving Off-road vehicle driving Off-road vehicle driving Rock climbing Rock climbing Southaseing Sightseeing Sonorkeling	consumers	replus values of 1	Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24 \$49.68 \$40.37 \$74.47 \$64.22	\$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90 \$0.0	strate of the st	Mean S (2010) (2010) 0 559.58 0 50.00 0 5119.34 8 555.33 8 528.68 5 50.00 0 50.00 0 526.58 0 526.58 1 532.00 2 532.01 3 532.01 5 53.00 0 50.00 0 50.00	\$67,305.61 \$1,305.61	E.Visitor Days. [MAX] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.45 Total Rec. Value SC. SC. SC. SC. SC. SC. SC. SC. SC. SC	# Visitor Days	Total Rec	# Visitor Days IA-AVE	\$48.49 Total Rec. Value 50 50 50 50 50 50 50 51,108 \$41,616 \$61,485 \$1,524,395 50 50 50 50 50 50 50 50 50	E Visitor Days. (B-AVE) 0 0 0 0 11,816 0 0 2,596 338 269 13,964 90 716 20,588 0 0 0 0 0	\$48.45 Total Rec. Value \$50 \$50 \$50 \$50 \$59,411 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50	8 Visitor Days. [C-AVE] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value S0 \$00 \$00 \$00 \$00 \$00 \$00 \$00	# Visitor Days	Total Rec	# Visitor Days. [A-AVE] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value So So So So So So So So So S	8 Visitor Days. (B-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value SO SO SO \$424,1111 SO \$58,814 \$50,334 \$45,778 \$2,924 \$43,150 \$51,069,823 SO SO SO SO SO SO SO SO SO S	E Visitor Days. (C-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.45 Total Rec. Value SC SC SC SC SC S491,077 SC SS S5,522 S11,445 S322,245 S49,966 \$1,238,745 SC SC SC SC SC SC SC SC SC S
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967–2003 (2004 dollars) -P/ Activity Backpacking Sirdwatching Camping Conse-country sking Downhill sking Fishing Floatboating/rafting/canoeing General recreation General recreation General recreation Hisrog Hunting Mountain biking Other recreation Pienicking Pienature driving Other recreation Pienicking Pienature driving Rock climbing Scuba diving Schaberer Sch	consumers	replus values of 1	\$47.64 Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24 \$49.68 \$40.37 \$74.47 \$64.22 \$52.60 \$20.27 \$30.31	\$13.00 \$10.00 \$1	\$312.60 \$312.60 \$417.4	Mean S (2010) S (19.34 S (20.00) S (19.34 S (20.00) S (2	\$67,305.61 \$1,517.50 \$1,517.50 \$2,816.66 \$76,000 \$1,202.31 \$200.00 \$1,202.31 \$200.00 \$316.42 \$266.67 \$200.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00 \$316.42 \$300.00	E.Visitor Days. [MAX] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.45 Total Rec. Value SC. SC. SC. SC. SC. SC. SC. SC. SC. SC	# Visitor Days	Total Rec	# Visitor Days IA-AVE	\$48.49 Total Rec. Value 50 50 50 50 50 50 50 51,108 \$41,616 \$61,485 \$1,524,395 50 50 50 50 50 50 50 50 50	E Visitor Days. (B-AVE) 0 0 0 0 11,816 0 0 2,596 338 269 13,964 90 716 20,588 0 0 0 0 0	\$48.45 Total Rec. Value \$50 \$50 \$50 \$50 \$59,411 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50	8 Visitor Days. [C-AVE] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value S0 \$00 \$00 \$00 \$00 \$00 \$00 \$00	# Visitor Days	Total Rec	# Visitor Days. [A-AVE] (A-AVE) 0 0 0 0 8,800 0 1,933 267 200 10,400 867 67 533 15,333	\$48.49 Total Rec. Value So So So So So So So So So S	# Visitor Days. (B-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value SO SO SO \$424,1111 SO \$58,814 \$50,334 \$45,778 \$2,924 \$43,150 \$51,069,823 SO SO SO SO SO SO SO SO SO S	E Visitor Days. (C-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.45 Total Rec. Walue St
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ToTAL Steve Pavichia Table 2—Summary statistics on average and region, 1967–2003 (2004 dollars) -P/ Backpacking Sirdwatching Camping Conse-country skiing Downhill skiing Floatboating/rafting/canoeing General recreation Hunting Mountain biking Other recreation Perioking Pleasure driving Other recreation Perioking Pleasure driving Scuba driving Scuba driving Scuba driving Sorba driving	consumer s	replus values of 1	\$47.64 Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24 \$49.68 \$40.37 \$74.47 \$64.22 \$52.60 \$20.27 \$30.31	\$13.00 \$10.00 \$1	\$312.60 activity \$312.60 soon of the state	Meon S. (2010) 559.58 50.00 519.54 65 523.18 650.00 560.15 523.18 650.00 560.00	\$67,305.61 ***********************************	# Visitor Days (MAX) 0 0 0 13,200 13,200 2,900 400 1,15,600 1,15,600 2,20,000 1,15,600 1,15,600 1,15,600 0,00 0,00 0,00 0,00 0,00 0,00 0,00	\$48.45 Total Rec. Value SC SC SC SC SC SC SC SC SC S	# Visitor Days	Total Rec	# Visitor Days IA-AVE	548.49 Total Rec. Value SO SO SO SO SO SO SO SO SO S	# Visitor Days (B-AVE)	\$48.45 Total Rec. Value SC SC SC SS9,411 SC SC SC SC SC SC SC SC SC	2 Visitor Days. (C-AVE) 0 0 0 0 12,331 0 0 0 2,709 374 280 14,573 93 94 12,1485 0 0 0 18,496	\$48.49 Total Rec. Walue S0 \$0 \$0 \$0 \$0 \$0 \$525,555 \$625,555 \$72,000 \$0 \$72,000 \$14,577 \$53,999 \$4.313 \$63,646 \$1,577,955 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	# Visitor Days	Total Rec	#_Visitor Days (A_AYE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value SO SO SO S446,6433 S446,6433 S5 S13,484 S3,078 S42,444 S3,078 S42,444 S3,078 S3,07	# Visitor Days (B-AVE)	\$48.49 Total Rec. Value SO SO SO SO S424,111 \$44,150 \$50 \$50 \$54,150 \$50 \$50 \$50 \$50 \$50 \$50 \$50	# Visitor Days (C-AVE) 0 0 0 0 0 0 0 0 0 0 0 2,2,77 233 220 11,440 0 0 0 0 1,457 0 0 0 0 1,440 0 0 0 1,440 0 0 0 1,440 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Rec. Value St
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967-2003 (2004 dollars) -P/ Activity Backpacking Birdwatching Camping Cross-country sking Downhill sking Floatboating/rafting/canoeing General recreation Genig to the beach Hiking Hunting Mountain biking Golf-road vehicle driving Other recreation Off-road vehicle driving Other recreation Pleasure driving Rock climbing Scuba diving Sightseeing Snownobiling Swimming Visiting environmental education centers Visiting arboretums Visiting aquariums Watersking	consumer s	replus values of 6 4 1 1 1 15 4 9 49 18 8 16 1 1 1 3	\$47.64 Mean 552.10 5104.35 52.10 5104.35 52.10 544.36 543.65 527.84 545.49 526.54 549.68 540.37 574.47 564.22 520.27 530.31	\$tandard Error \$9.29 \$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90 \$2.74 \$0.00 \$39.66 \$39.65 \$13.51 \$15.36	\$90,004.00 activity \$112.60 \$500.00 \$10.00	Mens 5 Mens 6 M	\$67,305.61 \$137,50 \$20,00 \$477,35 \$53,33 \$12,26 \$700,00 \$1,20,31 \$12,20 \$20,0	# Visitor Days (MAX) 0 0 0 13,200 13,200 2,900 400 1,15,600 1,15,600 2,20,000 1,15,600 1,15,600 1,15,600 0,00 0,00 0,00 0,00 0,00 0,00 0,00	\$48.45 Total Rec. Value SC SC SC SC SC SC SC SC SC S	# Visitor Days	Total Rec	# Visitor Days IA-AVE	548.49 Total Rec. Value SO SO SO SO SO SO SO SO SO S	# Visitor Days (B-AVE)	\$48.45 Total Rec. Value SC SC SC SS9,411 SC SC SC SC SC SC SC SC SC	2 Visitor Days. (C-AVE) 0 0 0 0 12,331 0 0 0 2,709 374 280 14,573 93 94 12,1485 0 0 0 18,496	\$48.49 Total Rec. Walue S0 \$0 \$0 \$0 \$0 \$0 \$525,555 \$625,555 \$72,000 \$0 \$72,000 \$14,577 \$53,999 \$4.313 \$63,646 \$1,577,955 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	# Visitor Days	Total Rec	#_Visitor Days (A_AYE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value SO SO SO S446,6433 S446,6433 S5 S13,484 S3,078 S42,444 S3,078 S42,444 S3,078 S3,07	# Visitor Days (B-AVE)	\$48.49 Total Rec. Value SO SO SO SO S424,111 \$44,150 \$50 \$50 \$54,150 \$50 \$50 \$50 \$50 \$50 \$50 \$50	# Visitor Days (C-AVE) 0 0 0 0 0 0 0 0 0 0 0 2,2,77 233 220 11,440 0 0 0 0 1,457 0 0 0 0 1,440 0 0 0 1,440 0 0 0 1,440 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Rec. Walue SC SC SC S49,076 S49,076 S55,55,522 S55,522,456 S54,1236,743 S54,966 S54,1236,745 SC SC SC SC SC SC SC SC SC S
TOTAL Steve Pavelott Table 2—Summary statistics on average and region, 1967–2003 (2004 dollars) – P/ Backpacking Sirdwatching Camping Conse-country sking Downhill sking Floathoating/rafting/canoeing General recreation Going to the beach Hiking Horsteback riding Hunting Mountan biking Off-road vehicle driving Scuba driving Scuba driving Scuba driving Sonokeling Sonokeling Sonownobiling Swimming Swim	consumer s	replus values of 1	\$47.64 Mean \$52.10 \$104.35 \$48.38 \$25.08 \$44.36 \$27.84 \$32.35 \$23.24 \$49.68 \$40.37 \$74.47 \$64.22 \$52.60 \$20.27 \$30.31	\$13.00 \$10.00 \$1	\$93,034.03 \$13,240.03 \$13,240.03 \$13,000.03	Mean S.	\$67,305.61 \$357,50 \$357,50 \$477,35 \$55,31 \$18,64 \$17,735 \$18,23 \$1,802,31 \$300,00 \$986,42 \$300,00 \$400,13 \$200,00 \$400,13 \$200,00 \$400,13 \$	# Visitor Days (MAX) 0 0 0 13,200 13,200 2,900 400 1,15,600 1,15,600 2,20,000 1,15,600 1,15,600 1,15,600 0,00 0,00 0,00 0,00 0,00 0,00 0,00	\$48.45 Total Rec. Value SC SC SC SC SC SC SC SC SC S	# Visitor Days	Total Rec	# Visitor Days IA-AVE	548.49 Total Rec. Value SO SO SO SO SO SO SO SO SO S	# Visitor Days (B-AVE)	\$48.45 Total Rec. Value SC SC SC SS9,411 SC SC SC SC SC SC SC SC SC	2 Visitor Days. (C-AVE) 0 0 0 0 12,331 0 0 0 2,709 374 280 14,573 93 94 12,1485 0 0 0 18,496	\$48.49 Total Rec. Walue S0 \$0 \$0 \$0 \$0 \$0 \$525,555 \$625,555 \$72,000 \$0 \$72,000 \$14,577 \$53,999 \$4.313 \$63,646 \$1,577,955 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	# Visitor Days	Total Rec	#_Visitor Days (A_AYE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value SO SO SO S446,6433 S446,6433 S5 S13,484 S3,078 S42,444 S3,078 S42,444 S3,078 S3,07	# Visitor Days (B-AVE)	\$48.49 Total Rec. Value SO SO SO SO S424,111 \$44,150 \$50 \$50 \$54,150 \$50 \$50 \$50 \$50 \$50 \$50 \$50	# Visitor Days (C-AVE) 0 0 0 0 0 0 0 0 0 0 0 2,2,77 233 220 11,440 0 0 0 0 1,457 0 0 0 0 1,440 0 0 0 1,440 0 0 0 1,440 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Rec. Value So So So So So So So So So S
TOTAL Steve Pavich: Table 2—Summary statistics on average and region, 1967-2003 (2004 dollars) -P/ Activity Backpacking Birdwatching Camping Cross-country sking Downhill sking Floatboating/rafting/canoeing General recreation Genie to the beach Hiking Horseback riding Hunting Mountain biking Off-road vehicle driving Schuseing Schuseing Schuseing Snownobiling Swithseing Snownobiling Wisiting environmental education centers Visiting arboretums Visiting aquariums Watersking Widdlire viewing Windsurfing Windsurfing	consumer s	replus values of 6 Estimates. 6 4 1 1 1 1 15 4 9 49 18 8 16 1 1 3 10 4 9 4	\$47.64 Mean	\$tandard Error \$9.29 \$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90 \$2.74 \$0.00 \$39.66 \$39.65 \$13.51 \$15.36	\$90,004.00 activity \$112.65 S000.00 40 41 41 41 41 41 41 41 41 41 41 41 41 41	Mem 5 Mem	\$67,305.61 \$137,50 \$20,00 \$477,35 \$53,33 \$12,26 \$700,00 \$1,20,31 \$1,20,31 \$2,20,40 \$2,00	E Visitor Days. [MAX] 0 0 0 13,200 0 2,900 400 300 15,600 1,300 0 0 0 19,800 0 0 0 22,600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Rec. Value Sec. Sec.	# Visitor Days	Total Rec	#Wistor Days #IA-AVE IA-AVE 0	Total Rec. Value So. So. So. So. So. So. So. So. So. So	E Visitor Days. (B-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.45 Total Rec. Value Sc. Sc. Sc. Sc. Sc. Sc. Sc. Sc. Sc. Sc	8 Visitor Days. [C-AVE] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Yalue So. So. So. So. So. So. So. So. So. So	# Visitor Days	Total Rec	# Visitor Davis [A-AVE] (A-AVE) 0 0 0 8,800 0 1,933 267 200 10,400 867 67 633 15,333 15,333 15,333 15,000 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value So	8 Visitor Days. (B-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value Sp. Sp. Sp. Sp. Sp. Sp. Sp. Sp. Sp. Sp	E Visitor Days. (C-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$48.49 Total Rec. Value \$50 \$50 \$50 \$50 \$50 \$51,441 \$332,456 \$54,164 \$3,386 \$54,194 \$53,386 \$51,238,743 \$50 \$50 \$51,451 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50
TOTAL Steve Pavelott Table 2—Summary statistics on average and region, 1967–2003 (2004 dollars) – P/ Backpacking Sirdwatching Camping Conse-country sking Downhill sking Floathoating/rafting/canoeing General recreation Going to the beach Hiking Horsteback riding Hunting Mountan biking Off-road vehicle driving Scuba driving Scuba driving Scuba driving Sonokeling Sonokeling Sonownobiling Swimming Swim	consumer s	replus values of 6 4 1 1 1 15 4 9 49 18 8 16 1 1 1 3	\$47.64 Mean 552.10 5104.35 52.10 5104.35 52.10 544.36 543.65 527.84 545.49 526.54 549.68 540.37 574.47 564.22 520.27 530.31	\$tandard Error \$9.29 \$45.38 \$0.00 \$0.00 \$8.68 \$1.01 \$14.38 \$2.65 \$7.73 \$5.90 \$2.74 \$0.00 \$39.66 \$39.65 \$13.51 \$15.36	\$93,034.03 \$13,240.03 \$13,240.03 \$13,000.03	Mean S.	\$67,305.61 \$137,50 \$20,00 \$477,35 \$53,33 \$12,26 \$700,00 \$1,20,31 \$12,20 \$20,0	# Visitor Days (MAX) 0 0 0 13,200 15,600 1,5,600 1,5,600 1,3,000 1,3,000 1,3,000 1,3,000 1,3,000 1,3,000 0,0	Total Rec. Value Sec. Sec.	# Visitor Days	Total Rec	# Visitor Days IA-AVE	548.49 Total Rec Value So So So So So So So So So S	8 Visitor Days. (B-AVEL 0 0 0 0 0 11,816 1.0 0 2,596 358 269 90 13,964 1,164 20,588 0 0 0 17,723 0 0 20,230 0 0 0 0 89,512	\$48.45 Total Rec. Value SC SC SC SS9,411 SC SC SC SC SC SC SC SC SC	2 Visitor Days. (G-AVT) 0 0 0 12,331 0 0 12,331 0 0 0 2,709 23,709 0 14,573 93 747 21,485 0 0 0 0 21,112 0 0 0 0 0 93,415	Total Rec. Value Solution Solutio	8 Visitor Days. (NA-AVE) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Rec	# Visitor Days: (A-AVI) 0 0 0 0 0 0 0 0 0 0 1,933 267 67 67 67 67 533 15,333 15,333 15,333 0 0 0 0 0 0 0 0 0 0 0 66,667	\$48.49 Total Rec. Value So	# Visitor Days. (B-AYT) 0 0 0 0 0 0 0 0 1,8373 253 190 9,880 63 5077 14,567 0 0 12,540 0 0 14,313 0 0 0 0 63,333	\$48.49 Total Rec. Value SO SO SO \$424,111 \$1,000 \$0,00	E Visitor Days. (G-AVE) 0 0 0 0 9,688 0 0 0 2,2,77 293 220 11,440 0 0 14,520 0 16,573 0 0 0 73,333	\$48.49 Total Rec. Value \$50 \$50 \$50 \$50 \$50 \$51,441 \$332,456 \$54,164 \$3,386 \$54,194 \$53,386 \$51,238,743 \$50 \$50 \$51,451 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50 \$50

Recreation Tables (Other)										
T-bl- VV (2.4)										-
Table XX (3.4)	ficits by Activity and	Malue of Misite	r Day Pacad on	Local Bacamoir A	etivity Datterne					
Estimated Average Annual \	isits by Activity, and		s (Average Wat		ctivity Patterns		isitor Day			footnotes
		VISICOI Day	3 (Average wat	er reary		value of v	lisitor Day	Total		Jootnotes
								Maximum		
Recreation Activity	Max	No Action	<u>A</u>	<u>B</u>	<u>c</u>	2004	2010	Value	Weight	
Shore fishing	34,800	0	31,405	31,150	32,508	\$47.16	\$53.93	\$1,876,872	0.09	
Boat fishing	18,000	0	16,244	16,112	16,815	\$47.16	\$53.93	\$970,796	0.05	
Picnicking	92,000	0	83,024	82,351	85,941	\$41.46	\$47.41	\$4,362,132	0.23	
Sightseeing	79,200	0	71,473	70,894	73,984	\$36.84	\$42.13	\$3,336,771	0.20	
Swimming / beach use	90,400	0	81,580	80,919	84,447	\$42.68	\$48.81	\$4,412,396	0.23	swimming
Walking	11,600	0	10,468	10,383	10,836	\$30.84	\$35.27	\$409,123	0.03	hiking
Bicycling/Motorcycling	5,200	0	4,693	4,655	4,858	\$73.78	\$84.38	\$438,757	0.01	mountain biking
Off-road vehicle	400	0	361	358	374	\$22.92	\$26.21	\$10,485	0.00	
Horseback riding	1,600	0	1,444	1,432	1,495	\$18.12	\$20.72	\$33,156	0.00	
Boating / water-skiing	62,400	0	56,312	55,856	58,291	\$46.27	\$52.92	\$3,301,914	0.16	motorboating
Hunting	1,200	0	1,083	1,074	1,121	\$46.92	\$53.66	\$64,390	0.00	
Other	3,200	0	2,888	2,864	2,989	\$48.70	\$55.69	\$178,222	0.01	other recreation
Total	400,000	0	360,976	358,049	373,659	\$42.40	\$48.49	\$19,395,013	1.00	
	400,000	0	360,976	358,049	373,659					
										-
Table XX (3.5)	L	L	L	L						-
Estimated Storage and Surfa			ising Water Elev	ations						-
Elevation (feet)	Storage (TAF)	Area (Acres)								-
320	50	2,385	ļ		-		-	-		-
340	112	3,826	 				-			-
360	201	5,258	 							-
380	321	6,514	 		-					+
400	462 631	7,701	 				-			
420 440	631 824	9,122 10,263	 					-		-
460	1,040	10,263	 				-			-
460	1,040	12,326	l				-			-
500	1,534	13,251					-		-	-
520	1,807	14,130			_		-			
320	1,007	14,130								
TABLE XX (3.6)					_				-	
Share of Maximum Econom	ic Value Ohtained fo	or Dangee of Si	Irfaca Araac				-		-	-
Share of Maximum Econon	Percent of	Tranges of St	illace Aleas		-					
	Maximum				1		İ			
End-of-Month Surface	Recreation Value									
Acreage	Obtained									
Above 10,000 acres	100%									
8,000 to 10,000	80%						l			1
6,000 to 8,000	60%									
4,000 to 6,000	40%									
2,000 to 4,000	20%									
Less than 2,000	0%									
Table XX	l	l			ļ					4
Estimated Percent of Total \			ļ							-
	% Total Valu		ļ		-					-
Alternative	Average	DRY			-					-
No Action	0.0%	0.0%	 				-			-
Alt. A	90.2%	66.7%	 		-					+
Alt. B	89.5%	63.3% 73.3%	 							+
Alt. C	93.4%	/ 5.5%	ļ		-			-		+
	-				-		 			+
T-LI- VV	-	-			-					-
Table XX	ficite by Activity	-			-		-	-	-	+
Estimated Average Annual \	risits by Activity		Average C ""	lone		Dru Co disi				+
Dograntic - A-th-lt-	No A-+1		Average Condit			Dry Condition			-	+
Recreation Activity	No Action	A 21.40F	<u>B</u>	<u>C</u>	22 200	<u>B</u>	<u>C</u>			+
Shore fishing Boat fishing	0	31,405 16,244	31,150 16.112	32,508 16.815	23,200 12.000	22,040 11.400	25,520 13,200			+
Picnicking	0	83,024	82,351	85,941	61,333	58,267	67,467		-	-
Sightseeing	0	71.473	70.894	73.984	52.800	50,160	58,080			+
Swimming / beach use	0	81,580	80,919	73,984 84,447	60,267	57,253	66,293			+
Walking	0	10.468	10.383	10.836	7,733	7,347	8,507		-	+
Bicycling/Motorcycling	0	4,693	4,655	4,858	3,467	3,293	3,813	-		1
Off-road vehicle	0	361	358	374	267	253	293			+
Horseback riding	0	1,444	1,432	1,495	1,067	1,013	1,173			+
Boating / water-skiing	0	56.312	55.856	58.291	41.600	39.520	45.760	•	-	+
Hunting	0	1.083	1,074	1,121	800	760	880			+
Other	0	2.888	2.864	2,989	2.133	2.027	2.347	-		+
Total	0	360,976	358,049	373,659	266,667	253,333	293,333			+
	0	360,976	358,049	373,659	266,667	253,333	293,333			+
		300,370	330,049	373,039	200,007	200,000	20,333	<u> </u>	-	+
% Non-Local:	24%	86,634	85,932	89,678			l			1
70 TEOL EDGAL		,00-	,552	,0,0						1

	А	В	С	D	Е	F	G	Н
1	M&I Water Supply							
2	** LCPSIM (South Coast	t Region, SF Bay-Sout	th Region)					
3	** OMWEM (Sacramen	to River, SF-Bay-Nor	th, Central Coast, Tu	ulare Lake,S. Lahont	tan Regions	5)		
4	** Excludes American R	River Service Area, et	c ("negligible" am	ount, excluded fron	n analysis)			
5	** No difference betwe	en 2025/2060						
6	** Change relative to N	o Action						
7								
8	Table XX: Change in Ma	&I Water Supply Allo	ocation (TAF)	<u>%</u>		<u>To</u>	<u>otal</u>	
9	<u>Alternative</u>	<u>Average</u>	<u>Dry</u>	Ave	Dry	Ave	Dry	
10	Alternative A	94	208	22.1%	36.9%	425	563	
11	Alternative B	96	191	22.4%	36.3%	429	526	
12	Alternative C	102	229	20.9%	35.9%	488	637	
13								
14								
15	Table XX: M&I Water S	upply Allocation (TA	AF)					
		Average Annual	Difference from	Difference from				
16	<u>Alternative</u>	Average Annual Volume (TAF)	Difference from No Action	Difference from No Action (%)				
	<u>Alternative</u> Average	_						
		_						
17	Average	Volume (TAF)	No Action					
17 18	Average No Action	Volume (TAF)	No Action	No Action (%)				
17 18 19	Average No Action Alt. A	2,501 2,594	No Action 93	No Action (%) 3.7%				
17 18 19 20 21	Average No Action Alt. A Alt. B	Volume (TAF) 2,501 2,594 2,598	No Action 93 97	No Action (%) 3.7% 3.9%				
17 18 19 20 21	Average No Action Alt. A Alt. B Alt. C	Volume (TAF) 2,501 2,594 2,598	No Action 93 97	No Action (%) 3.7% 3.9%				
17 18 19 20 21	Average No Action Alt. A Alt. B Alt. C Dry/Critical	2,501 2,594 2,598 2,603	No Action 93 97	No Action (%) 3.7% 3.9%				
17 18 19 20 21 22 23	Average No Action Alt. A Alt. B Alt. C Dry/Critical No Action	2,501 2,594 2,598 2,603 1,957	No Action 93 97 102	No Action (%) 3.7% 3.9% 4.1%				
17 18 19 20 21 22 23 24	Average No Action Alt. A Alt. B Alt. C Dry/Critical No Action Alt. A	2,501 2,594 2,598 2,603 1,957 2,165	No Action 93 97 102 207	No Action (%) 3.7% 3.9% 4.1% 10.6%				

	A	В	С	D	E	F	G	Н	1	J	K	L	М
1	M&I Water Supply									-			
2	** LCPSIM (South Coast Region, SF B	ay-South Region)											
3	** OMWEM (Sacramento River, SF-B		Coast. Tulare Lak	e.S. Lahontan Re	egions '								
4	** Excludes American River Service A				•								
5	** \$1,000s	11,111			7								
6	** 2010\$ (from 2007)	2007	1.0411										
7	,												
8	NO ACTION	202	5	20	60								
9	Type of Cost	Average	Dry	<u>Average</u>	Dry								
10	Water Supply												
11	Urban												
12	Urban - South Bay (LCPSIM)	\$206,685	\$205,976	\$667,984	\$697,435					#VALUE!	#VALUE!	#VALUE!	#VALUE!
13	Urban - South Coast (LCPSIM)	\$1,427,897	\$1,781,156	\$5,516,779	\$6,440,372					#VALUE!	#VALUE!	#VALUE!	#VALUE!
14	Urban - OMWEM regions	\$46,964	\$100,435	\$65,416	\$137,920				-	#VALUE!	#VALUE!	#VALUE!	#VALUE!
15	Urban - Other (not quantified)	\$0	\$0	\$0	\$0					#VALUE!	#VALUE!	#VALUE!	#VALUE!
16										#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
17													
18	ALTERNATIVE A	202	5	20	60								
19	Type of Cost	Average	Dry	<u>Average</u>	Dry								
20	Water Supply												
21	Urban												
22	Urban - South Bay (LCPSIM)	\$203,976	\$199,943	\$653,080	\$662,625	\$2,709	\$6,033	\$14,904	\$34,810	3.4%	3.3%	7.0%	7.3%
23	Urban - South Coast (LCPSIM)	\$1,360,188	\$1,630,450	\$5,331,315	\$6,031,028	\$67,709	\$150,706	\$185,464	\$409,344	84.3%	82.3%	87.0%	85.6%
24	Urban - OMWEM regions	\$37,077	\$73,983	\$52,591	\$103,806	\$9,887	\$26,453	\$12,825	\$34,114	12.3%	14.4%	6.0%	7.1%
25	Urban - Other (not quantified)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%
26						\$80,305	\$183,191	\$213,193	\$478,268	100.0%	100.0%	100.0%	100.0%
27													
28	ALTERNATIVE B	202	5	20	60								
29	Type of Cost	Average	Dry	<u>Average</u>	<u>Dry</u>								
30	Water Supply												
31	Urban												
32	Urban - South Bay (LCPSIM)	\$204,171	\$199,891	\$654,273	\$670,454	\$2,514	\$6,085	\$13,711	\$26,981	3.1%	3.3%	6.3%	7.0%
33	Urban - South Coast (LCPSIM)	\$1,357,389	\$1,629,152	\$5,324,834	\$6,113,700	\$70,508	\$152,004	\$191,945	\$326,672	85.6%	83.3%	88.2%	85.0%
34	Urban - OMWEM regions	\$37,603	\$76,115	\$53,497	\$107,333	\$9,361	\$24,321	\$11,919	\$30,588	11.4%	13.3%	5.5%	8.0%
35	Urban - Other (not quantified)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%
36						\$82,383	\$182,409	\$217,575	\$384,241	100.0%	100.0%	100.0%	100.0%
37									-		-		
38	ALTERNATIVE C	202	5	20	60								
39	Type of Cost	<u>Average</u>	<u>Dry</u>	<u>Average</u>	<u>Dry</u>								
40	Water Supply								-		-		
41	Urban												
42	Urban - South Bay (LCPSIM)	\$203,867	\$199,487	\$652,588	\$657,001	\$2,818	\$6,489	\$15,395	\$40,434	3.2%	3.0%	6.9%	7.7%
43	Urban - South Coast (LCPSIM)	\$1,353,550	\$1,598,130	\$5,323,221	\$5,991,232	\$74,347	\$183,026	\$193,557	\$449,140	84.3%	83.5%	86.6%	85.0%
44	Urban - OMWEM regions	\$35,888	\$70,677	\$50,934	\$99,212	\$11,076	\$29,758	\$14,481	\$38,708	12.6%	13.6%	6.5%	7.3%
45	Urban - Other (not quantified)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0.0%	0.0%	0.0%	0.0%
46						\$88,241	\$219,273	\$223,434	\$528,282	100.0%	100.0%	100.0%	100.0%

	А	В	С	D	Е	F	G
1	M&I Water Quality						
2	** LCRBWQM (South Coast Region) - exc	cludes AG (see ne	xt worksheet)				
3	** BAWQM (SF-Bay Region)						
4	** Extrapolated values for South of Delta	a: SJ River, Cental	Coast, Tulare Lak	e, and S. Lahont	an regions		
5	** Excludes Sacramento River region, et	C					
6	** Incl. both M&I and AG						
7							
8	Table XX: Change in Water Quality Allo	cation (TAF)		<u>%</u>		<u>To</u>	<u>tal</u>
9	<u>Alternative</u>	<u>Average</u>	<u>Dry</u>	Ave	Dry	Ave	Dry
10	Alternative A	128	117	30.1%	20.8%	425	563
11	Alternative B	136	119	31.7%	22.6%	429	526
12	Alternative C	165	169	33.8%	26.5%	488	637
13							
14							
15	Table XX: Water Quality Allocation (TAI	=)					
				Difference			
		Average Annual	Difference from	from No			
16	<u>Alternative</u>	Volume (TAF)	No Action	Action (%)			
17	Average						
18	No Action	0					
19	Alt. A	128	128				
20	Alt. B	136	136				
21	Alt. C	165	165				
22	Dry/Critical						
23	No Action	0					
24	Alt. A	117	117				
25	Alt. B	119	119				
26	Alt. C	169	169				
27							

	A	В	С	D	Е	F	G	Н	ı	1	K	1	М
1	M&I Water Quality	5	J		_				•	·	.,	_	• • • • • • • • • • • • • • • • • • • •
2	** LCRBWQM (South Coast Region) - ex	cludes AG (see nex	t worksheet)										
3	** BAWQM (SF-Bay Region)												
4	** Extrapolated values for South of Delt	a: SI River Cental (nast Tulare Lak	e and S Lahonta	n regions								
5	** Excludes Sacramento River region, et		boust, ruidre Lak	ic, and 5. Lanonta	i regions								
6	** No total NA values for BAWQM and U		changes reporte	h									
7	** No dry-year analysis for South-of-Del		changes reporte	··u									
8	** \$1,000s	la (300) impacts											
9	** 2010\$ (from 2006 and 2007)	2006	1.0717	2007	1.0411								
10	20103 (110111 2000 and 2007)	2000	1.0/1/	2007	1.0411								
	NO ACTION	202	-	206	.0								
11	NO ACTION												
12	Type of Cost	<u>Average</u>	Dry	<u>Average</u>	<u>Dry</u>								
13	Water Quality												
14	Urban	4	4										
15	Urban - South Coast (LCRBWQM)	\$5,018,836	\$5,102,215	\$6,113,108	\$6,222,577					#VALUE!	#VALUE!	#VALUE!	#VALUE!
16	Urban - South Bay (BAWQM)									#VALUE!	#VALUE!	#VALUE!	#VALUE!
17	Urban - Other (south of Delta)									#VALUE!	#VALUE!	#VALUE!	#VALUE!
18										#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
19													
20	ALTERNATIVE A	202	5	206	0								
21	Type of Cost	<u>Average</u>	<u>Dry</u>	<u>Average</u>	<u>Dry</u>								
22	Water Quality												
23	Urban												
24	Urban - South Coast (LCRBWQM)	\$5,009,540	\$5,085,845	\$6,101,688	\$6,201,394	\$9,296	\$16,370	\$11,421	\$21,183	62.1%	92.5%	60.9%	92.5%
25	Urban - South Bay (BAWQM)	-\$1,021	-\$1,324	-\$1,318	-\$1,709	\$1,021	\$1,324	\$1,318	\$1,709	6.8%	7.5%	7.0%	7.5%
26	Urban - Other (south of Delta)	-\$4,640		-\$6,027		\$4,640	\$0	\$6,027	\$0	31.0%	0.0%	32.1%	0.0%
27						\$14,957	\$17,693	\$18,766	\$22,892	100.0%	100.0%	100.0%	100.0%
28													
29	ALTERNATIVE B	202	5	206	0								
30	Type of Cost	Average	Dry	Average	Dry								
31	Water Quality												
32	Urban				Ī								
33	Urban - South Coast (LCRBWQM)	\$5,008,799	\$5,084,328	\$6,100,477	\$6,199,825	\$10,037	\$17,888	\$12,631	\$22,753	62.1%	91.6%	61.0%	91.5%
34	Urban - South Bay (BAWQM)	-\$1,105	-\$1,644	-\$1,426	-\$2,123	\$1,105	\$1,644	\$1,426	\$2,123	6.8%	8.4%	6.9%	8.5%
35	Urban - Other (south of Delta)	-\$5,028		-\$6,661		\$5,028	\$0	\$6,661	\$0	31.1%	0.0%	32.1%	0.0%
36	,			, ,		\$16,170	\$19,532	\$20,719	\$24,876	100.0%	100.0%	100.0%	100.0%
37							,	, , ,					
38	ALTERNATIVE C	202	5	206	0								
39	Type of Cost	Average	Dry	Average	Dry								
40	Water Quality		=:1	<u></u>	<u>1</u>								
41	Urban												
42	Urban - South Coast (LCRBWQM)	\$5,006,780	\$5,081,361	\$6,097,691	\$6,195,364	\$12,056	\$20.855	\$15,417	\$27,214	62.1%	91.8%	61.1%	91.9%
43	Urban - South Bay (BAWQM)	-\$1,497	-\$1,869	-\$1,932	-\$2,414	\$12,056	\$20,855	\$15,417	\$27,214	7.7%	8.2%	7.7%	8.1%
44	Urban - Other (south of Delta)	-\$1,497 -\$5,856	-51,009	-\$1,932 -\$7,903	- ₇ 2,414	\$1,497	\$1,869	\$1,932	\$2,414	30.2%	0.0%	31.3%	0.0%
	Orban - Other (South of Delta)	-55,650		-51,505									
45						\$19,409	\$22,724	\$25,252	\$29,627	100.0%	100.0%	100.0%	100.0%

	А	В	С	D	E	F	G	Н	I	J	K	L	М
1	AG Water Quality												
2	** Includes AG component of LCRBWQN	Л (South Coast Re	gion)										
3	** No total NA values for AG-salinity mo												
4	** AG-salinity model: benefit = total value	ue of water saved											
5	** \$1,000s												
6	** AG-salinity model in 2011\$ dollars												
7	** 2010\$ (from 2007) - LCRBWQM	2007	1.0411										
8	** 2010\$ (from 2011) - SWAP	2011	0.9910										
9													
10	NO ACTION	202	25	200	60								
11	Type of Cost	Average	Dry	<u>Average</u>	Dry								
12	Water Quality												
13	Agriculture												
14	AG - South Coast (LCRBWQM)	\$38,598	\$45,319	\$37,117	\$44,093					#VALUE!	#VALUE!	#VALUE!	#VALUE!
15	Central Valley (AG-salinity model)									#VALUE!	#VALUE!	#VALUE!	#VALUE!
16										#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
17													
18	ALTERNATIVE A	202	25	200	60								
19	Type of Cost	<u>Average</u>	<u>Dry</u>	<u>Average</u>	<u>Dry</u>								
20	Water Quality												
21	Agriculture												
22	AG - South Coast (LCRBWQM)	\$37,919	\$43,544	\$36,474	\$41,774	\$679	\$1,775	\$643	\$2,318	60.9%	81.1%	53.9%	81.7%
23	Central Valley (AG-salinity model)	-\$436	-\$414	-\$549	-\$519	\$436	\$414	\$549	\$519	39.1%	18.9%	46.1%	18.3%
24						\$1,115	\$2,189	\$1,193	\$2,837	100.0%	100.0%	100.0%	100.0%
25													
26	ALTERNATIVE B	202	25	200	60								
27	Type of Cost	<u>Average</u>	<u>Dry</u>	<u>Average</u>	<u>Dry</u>								
28	Water Quality												
29	Agriculture												
30	AG - South Coast (LCRBWQM)	\$37,813	\$42,777	\$36,342	\$41,678	\$785	\$2,542	\$776	\$2,414	63.9%	84.4%	59.6%	80.7%
31	Central Valley (AG-salinity model)	-\$443	-\$471	-\$526	-\$578	\$443	\$471	\$526	\$578	36.1%	15.6%	40.4%	19.3%
32						<i>\$1,228</i>	\$3,014	\$1,302	\$2,993	100.0%	100.0%	100.0%	100.0%
33													
34	ALTERNATIVE C	202	25	20	60								
35	Type of Cost	<u>Average</u>	<u>Dry</u>	<u>Average</u>	<u>Dry</u>								
36	Water Quality												
37	Agriculture												
38	AG - South Coast (LCRBWQM)	\$37,771	\$42,700	\$36,282	\$41,409	\$827	\$2,619	\$835	\$2,684	57.2%	81.5%	46.1%	78.3%
39	Central Valley (AG-salinity model)	-\$618	-\$594	-\$975	-\$745	\$618	\$594	\$975	\$745	42.8%	18.5%	53.9%	21.7%
40						\$1,444	\$3,213	\$1,810	\$3,429	100.0%	100.0%	100.0%	100.0%

AG Water Quality	ļ							-	ļ		
** No difference 2025 vs. 2060	1		Steve Pay		†			-	 		
** 2011\$ - SWAP			physical qu	nce in 2025/2060)							
					1						
Table X-7. Estimated savings in irrigation					ļ				ļ		
Benefit / Alternative Average Conditions	Grasslands	Westlands	Tulare	Kern	San Felipe				-		
Alternative A					-				<u> </u>		
Percent Savings in Applied Water Volume Saved (AF/Yr)	0.13% 1,328	0.10% 548	0.10% 128	0.12% 654	0.23%						-
Alternative B	1,328	346	120	034	- 63						
Percent Savings in Applied Water Volume Saved (AF/Yr)	0.13% 1,276	0.10% 569	0.11%	700	0.24% 86				 		
Alternative C	1,270	303	130	700	1 00			 	 	<u> </u>	<u> </u>
					l				T		
Percent Savings in Applied Water Volume Saved (AF/Yr)	0.19%	0.14% 769	0.14%	0.17% 934	0.32% 117					-	
Dry Conditions				1							
Alternative A											
Percent Savings in Applied Water	0.13%	0.10%	0.10%	0.12%	0.23%						
Volume Saved (AF/Yr)	1,148	303	96	505	41				 		
Alternative B											
Percent Savings in Applied Water	0.13%	0.10%	0.11%	0.13%	0.24%						
Volume Saved (AF/Yr)	1,101	307	102	535	41						
Alternative C											
Percent Savings in Applied Water	0.19%	0.14%	0.14%	0.17%	0.32%						
Volume Saved (AF/Yr)	1,598	423	136	727	57						
Table V V Estimated value of irrigation	water cavings b	v calinity analysis	area and altern	tivo (\$1 000c 20	10 dollars)[2	0251			-		-
Table X-X. Estimated value of irrigation Alternative / Benefit	Grasslands	Westlands	Tulare	Kern	San Felipe		Grasslands	Westlands	<u>Tulare</u>	Kern	San Felipe
Average											
Alternative A	4100.00	4.01	4.0.	4	4.0.						
Value (\$/AF) Volume Saved (AF/Yr)	\$160.59 1,328	\$161 548	\$161 128	\$161 654	\$161 83				ł		
Value of Water Saved (\$1,000s)	\$213.24	\$88.01	\$20.49	\$105.08	\$13.34	\$440.18	48.4%	20.0%	4.7%	23.9%	3.0%
Alternative B											
Value (\$/AF) Volume Saved (AF/Yr)	\$161.51 1,276	\$162 569	\$162 136	\$162 700	\$162 86				-		-
Value of Water Saved (\$1,000s)	\$206.10	\$91.98	\$22.03	\$112.98	\$13.92	\$447.01	46.1%	20.6%	4.9%	25.3%	3.1%
Alternative C											
Value (\$/AF) Volume Saved (AF/Yr)	\$161.94 1,849	\$162 769	\$162 181	\$162 934	\$162 117			-	-		
Value of Water Saved (\$1,000s)	\$299.42	\$124.51	\$29.35	\$151.34	\$18.87	\$623.48	48.0%	20.0%	4.7%	24.3%	3.0%
Dry				Ì							
Alternative A											
Value (\$/AF) Volume Saved (AF/Yr)	\$199.40 1,148	\$199 303	\$199 96	\$199 505	\$199 41				-		
Value of Water Saved (\$1,000s)	\$228.91	\$60.45	\$19.22	\$100.69	\$8.22	\$417.48	54.8%	14.5%	4.6%	24.1%	2.0%
Alternative B		****							<u> </u>		
Value (\$/AF) Volume Saved (AF/Yr)	\$227.98 1,101	\$228 307	\$228 102	\$228 535	\$228 41				-		
Value of Water Saved (\$1,000s)	\$251.10	\$70.09	\$23.15	\$121.89	\$9.35	\$475.59	52.8%	14.7%	4.9%	25.6%	2.0%
Alternative C											
Value (\$/AF) Volume Saved (AF/Yr)	\$203.75 1,598	\$204 423	\$204 136	\$204 727	\$204 57			-	-		
Value of Water Saved (\$1,000s)	\$325.60	\$86.28	\$27.80	\$148.10	\$11.58	\$599.36	54.3%	14.4%	4.6%	24.7%	1.9%
Table X-X. Estimated value of irrigation				10. 104 000 00	40.4-11172	0601			ļ		
Alternative / Benefit	Grasslands	Westlands	Tulare	Kern	San Felipe	000]	Grasslands	Westlands	Tulare	Kern	San Felipe
Average	Grassianas	vestianus	ruidic		Junitempe		210230102	TT.ZIMINZ	10015	na.m	AND TEMPS
Alternative A	6202.22	¢202	ćana	\$202	\$202				ļ		
Value (\$/AF) Volume Saved (AF/Yr)	\$202.23 1,328	\$202 548	\$202 128	654	83				 		
Value of Water Saved (\$1,000s)	\$268.54	\$110.84	\$25.81	\$132.33	\$16.81	\$554.32	48.4%	20.0%	4.7%	23.9%	3.0%
Alternative B	¢101.00	Ć102	6100	Ć102	6100				-		
Value (\$/AF) Volume Saved (AF/Yr)	\$191.88 1,276	\$192 569	\$192 136	\$192 700	\$192 86			-	-		
Value of Water Saved (\$1,000s)	\$244.85	\$109.27	\$26.17	\$134.22	\$16.53	\$531.05	46.1%	20.6%	4.9%	25.3%	3.1%
Alternative C											
Value (\$/AF) Volume Saved (AF/Yr)	\$255.44 1,849	\$255 769	\$255 181	\$255 934	\$255 117			-	-	-	-
Value of Water Saved (\$1,000s)	\$472.28	\$196.39	\$46.29	\$238.71	\$29.77	\$983.44	48.0%	20.0%	4.7%	24.3%	3.0%
Dry											
Alternative A Value (\$/AF)	\$250.08	\$250	\$250	\$250	\$250			-			
Volume Saved (AF/Yr)	1,148	303	96	505	41	1			 		
Value of Water Saved (\$1,000s)	\$287.10	\$75.82	\$24.10	\$126.28	\$10.31	\$523.60	54.8%	14.5%	4.6%	24.1%	2.0%
Alternative B	\$279.81	\$280	\$280	\$280	\$280			-	-		
Value (\$/AF) Volume Saved (AF/Yr)	1,101	307	102	535	\$280 41						
Value of Water Saved (\$1,000s)	\$308.18	\$86.03	\$28.41	\$149.60	\$11.48	\$583.71	52.8%	14.7%	4.9%	25.6%	2.0%
Alternative C	6255.44	ćass	6255	6355	6355	ļ		ļ	 		
Value (\$/AF) Volume Saved (AF/Yr)	\$255.44 1,598	\$255 423	\$255 136	\$255 727	\$255 57		-	-	-		
Value of Water Saved (\$1,000s)	\$408.20	\$108.17	\$34.85	\$185.67	\$14.51	\$751.41	54.3%	14.4%	4.6%	24.7%	1.9%
Table X-X. Estimated value of irrigation	water savings /¢	/AF, 2011 dollare)	<u> </u>	-	-			-	-		-
		Conditions		l Conditions							
Alternative	2025	2060	2025	2060							
Alternative A Alternative B	\$160.59 \$161.51	\$202.23 \$191.88	\$199.40 \$227.98	\$250.08 \$279.81						-	
Alternative C	\$161.94	\$255.44	\$203.75	\$255.44	1			<u> </u>	†		

RED - REC Spending				
** Local study area / model				
** Impacts relative to Future NA				
** Pasted values from IMPLAN rep	orts			
Impact Summary	REC (A)			
ImpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	20.1	\$486,510	\$791,210	\$1,600,275
Indirect Effect	1.4	\$60,198	\$98,609	\$198,649
Induced Effect	1.4	\$40,956	\$89,149	\$149,570
Total Effect	22.9	\$587,664	\$978,967	\$1,948,494
Impact Summary	REC (B)			
ImpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	19.9	\$482,565	\$784,794	\$1,587,298
Indirect Effect	1.4	\$59,709	\$97,809	\$197,038
Induced Effect	1.4	\$40,624	\$88,426	\$148,357
Total Effect	22.7	\$582,899	\$971,029	\$1,932,694
Impact Summary	REC (C)			
ImpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	20.8	\$503,604	\$819,009	\$1,656,500
Indirect Effect	1.5	\$62,313	\$102,073	\$205,628
Induced Effect	1.4	\$42,395	\$92,281	\$154,825
Total Effect	23.7	\$608,312	\$1,013,363	\$2,016,954

RED - Construction Spending	ng	REVISED MARCH 2	012			
** Local study area / model						
** Impacts relative to Future NA						
** Pasted values from IMPLAN rep	orts					
Impact Summary	PAYROLL (A)					
				_		
ImpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect Indirect Effect	0.0	\$0 \$0	\$0 \$0	\$0 \$0		
Induced Effect	29.7	\$884,339	\$1,916,391	\$3,219,428	** All induced effects	
Total Effect	29.7	\$884,339	\$1,916,391	\$3,219,428	All Illudeed effects	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$1,010,001	4 0,=10,1=0		
Impact Summary	PAYROLL (B)					
ImpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0		
Indirect Effect	0.0	\$0	\$0	\$0		
Induced Effect	30.6	\$910,062	\$1,972,133	\$3,313,072	** All induced effects	
Total Effect	30.6	\$910,062	\$1,972,133	\$3,313,072		
Impact Summary	PAYROLL (C)					
ImpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0		
Indirect Effect	0.0	\$0	\$0	\$0	** **	
Induced Effect	33.1	\$985,457	\$2,135,517 \$2,125,517	\$3,587,547	** All induced effects	
Total Effect	33.1	\$985,457	\$2,135,517	\$3,587,547		
Impact Summary	OTH CONST (A)					
impact Summary	OTH CONST (A)					
ImpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0	** Direct effect = total cost/employment/payroll	
Indirect Effect	443.4	\$22,047,709	\$34,183,487	\$69,311,909		
Induced Effect Total Effect	57.0 500.5	\$1,682,240 \$23,729,949	\$3,683,542 \$37,867,029	\$6,169,420 \$75,481,329		
Total Ellect	500.5	\$23,729,949	₽37,007,∪≥8	\$75,461,329		
Impact Summary	OTH CONST (B)					
		I als aulas a susa	TatalValue Added	Outrus		
ImpactType Direct Effect	Employment 0.0	LaborIncome \$0	TotalValueAdded \$0	Output \$0	** Direct effect = total cost/employment/payroll	
Indirect Effect	445.2	\$22,133,987	\$34,317,255	\$69,583,143	Breet effect – total cost/employment/payron	
		ΨΕΕ, 100,001		φοσίοσοίι ισ		
Illiancea Fileci	57.3	\$1.688.823	\$3.697.956	\$6.193.562		
Induced Effect Total Effect	57.3 502.4	\$1,688,823 \$23,822,810	\$3,697,956 \$38,015,212	\$6,193,562 \$75,776,706		
Total Effect	502.4					
Total Effect Impact Summary	502.4 OTH CONST (C)	\$23,822,810	\$38,015,212 TotalValueAdded \$0	\$75,776,706	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType	502.4 OTH CONST (C) Employment	\$23,822,810 LaborIncome	\$38,015,212 TotalValueAdded	\$75,776,706 Output	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect	502.4 OTH CONST (C) Employment 0.0 490.2	\$23,822,810 Laborincome \$0 \$24,375,337	\$38,015,212 TotalValueAdded \$0 \$37,792,317	\$75,776,706 Output \$0 \$76,629,328	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary Impact Summary	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output		
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary Impact Summary ImpactType Direct Effect (Outside Model)	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710	** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909		
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary Impact Summary Impact Effect (Outside Model) Indirect Effect Induced Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848		
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model)	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2	\$23,822,810 LaborIncome \$0 \$24,375,337 \$1,859,837 \$26,235,175 LaborIncome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757		
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary Impact Summary Impact Effect (Outside Model) Indirect Effect Induced Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848		
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model)	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2	\$23,822,810 LaborIncome \$0 \$24,375,337 \$1,859,837 \$26,235,175 LaborIncome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757		
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/ outside model) Impact Summary	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B)	\$23,822,810 LaborIncome \$0 \$24,375,337 \$1,859,837 \$26,235,175 LaborIncome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467		
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/ outside model) Impact Summary	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 Laborincome	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/ outside model) Impact Summary	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B)	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 Laborincome \$20,520,000	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467		
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary ImpactType Direct Effect (Outside Model)	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 Laborincome	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420 TotalValueAdded \$34,317,255	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Induced Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Induced Effect Induced Effect Induced Effect Induced Effect Induced Effect (w/o outside model) Total Effect (w/o outside model) ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Induced Effect Induced Effect Induced Effect Induced Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7 445.2	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 Laborincome \$20,520,000 \$22,133,987 \$2,598,885 \$24,732,872	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420 TotalValueAdded \$34,317,256 \$5,670,090	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920 \$69,583,143	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/ outside model) Total Effect (w/ outside model) Impact Summary Impact Summary Impact Effect (w/ outside Model) Impact Summary Impact Summary Impact Summary Impact Summary Impact Effect (Outside Model) Indirect Effect (Indirect Effect Indirect Indirect Effect Indirect Indirect Effect Indirect Indirect Indirect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7 445.2 87.8	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 Laborincome \$20,520,000 \$22,133,987 \$2,598,885	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420 TotalValueAdded \$34,317,256 \$5,670,090	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920 \$69,583,143 \$9,506,635	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary ImpactType Direct Effect (Outside Model) Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Total Effect (Outside Model) Indirect Effect Total Effect (w/o outside model) Total Effect (w/o outside model)	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7 445.2 87.8 533.0 631.7	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 Laborincome \$20,520,000 \$22,133,987 \$2,598,885 \$24,732,872	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420 TotalValueAdded \$34,317,256 \$5,670,090	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920 \$69,583,143 \$9,506,635 \$79,089,778	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Induced Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Induced Effect Induced Effect Induced Effect Induced Effect Induced Effect (w/o outside model) Total Effect (w/o outside model) ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Induced Effect Induced Effect Induced Effect Induced Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7 445.2 87.8 533.0	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 Laborincome \$20,520,000 \$22,133,987 \$2,598,885 \$24,732,872	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420 TotalValueAdded \$34,317,256 \$5,670,090	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920 \$69,583,143 \$9,506,635 \$79,089,778	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary ImpactType Direct Effect (outside Model) Impact Summary Impact Summary Impact Effect (w/o outside model) Total Effect (w/o outside Model) Indirect Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary Impact Summary Impact Summary Impact Summary Impact Summary	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7 445.2 87.8 533.0 631.7	\$23,822,810 LaborIncome \$0 \$24,375,337 \$1,859,837 \$26,235,175 LaborIncome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 LaborIncome \$20,520,000 \$22,133,987 \$2,598,885 \$24,732,872 \$45,252,872 LaborIncome	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420 TotalValueAdded \$34,317,256 \$5,670,090	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920 \$69,583,143 \$9,506,635 \$79,089,778 \$417,474,698 Output	** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Induced Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Induced Effect Induced Effect Induced Effect Induced Effect (w/o outside model) Total Effect (w/o outside model) ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect I	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7 445.2 87.8 533.0 631.7 NET CONST (C) Employment 106.9	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 Laborincome \$20,520,000 \$22,133,987 \$2,598,885 \$24,732,872 \$45,252,872 Laborincome \$22,220,000	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$41,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420 TotalValueAdded \$34,317,255 \$5,670,090 \$39,987,345 TotalValueAdded	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920 \$69,583,143 \$9,506,635 \$79,089,778 \$417,474,698 Output \$388,739,160	** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary Impact Summary Impact Summary Impact Effect (w/o outside model) Impact Summary Impact Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary Impact Summary Impact Summary Impact Summary Impact Summary Impact Effect (Outside Model) Indirect Effect (Outside Model) Indirect Effect (Outside Model) Indirect Effect (Outside Model) Indirect Effect (Outside Model)	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7 445.2 87.8 533.0 631.7 NET CONST (C) Employment 106.9 490.2	\$23,822,810 LaborIncome \$0 \$24,375,337 \$1,859,837 \$1,859,837 \$26,235,175 LaborIncome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 LaborIncome \$20,520,000 \$22,133,987 \$2,598,885 \$24,732,872 \$45,252,872 LaborIncome \$22,220,000 \$22,133,987	\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$4,072,421 \$41,864,739 TotalValueAdded \$34,183,487 \$5,599,932 \$39,783,420 TotalValueAdded \$34,317,255 \$5,670,090 \$39,987,345 TotalValueAdded \$37,792,317	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920 \$69,583,143 \$9,506,635 \$79,089,778 \$417,474,698 Output \$388,739,160 \$76,629,328	** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Induced Effect Impact Summary Impact Summary Impact Effect Induced Effect (w/ outside model) Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect (w/ outside model) Impact Summary Impact Summary Impact Summary Impact Effect (Outside Model) Indirect Effect Induced Effect Induced Effect	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7 445.2 87.8 533.0 631.7 NET CONST (C) Employment 106.9 490.2 96.2	\$23,822,810 Laborincome \$0 \$24,375,337 \$1,859,837 \$26,235,175 Laborincome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 Laborincome \$20,520,000 \$22,133,987 \$2,598,885 \$24,732,872 \$45,252,872 Laborincome \$20,520,000 \$22,133,987 \$2,598,885 \$24,732,872 \$45,252,872	*\$38,015,212 TotalValueAdded \$0 \$37,792,317 \$41,072,421 \$41,864,739 TotalValueAdded \$341,183,487 \$5,599,932 \$39,783,420 TotalValueAdded \$34,317,255 \$5,670,090 \$39,987,345 TotalValueAdded \$37,792,317 \$6,207,938	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920 \$69,583,143 \$9,506,635 \$79,089,778 \$417,474,698 Output \$388,739,160 \$76,629,328 \$10,408,287	** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll	
Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary Impact Summary Impact Summary Impact Effect (w/o outside model) Impact Summary Impact Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary Impact Summary Impact Summary Impact Summary Impact Summary Impact Effect (Outside Model) Indirect Effect (Outside Model) Indirect Effect (Outside Model) Indirect Effect (Outside Model) Indirect Effect (Outside Model)	502.4 OTH CONST (C) Employment 0.0 490.2 63.1 553.3 NET CONST (A) Employment 95.9 443.4 86.7 530.2 626.1 NET CONST (B) Employment 98.7 445.2 87.8 533.0 631.7 NET CONST (C) Employment 106.9 490.2	\$23,822,810 LaborIncome \$0 \$24,375,337 \$1,859,837 \$1,859,837 \$26,235,175 LaborIncome \$19,940,000 \$22,047,709 \$2,566,579 \$24,614,288 \$44,554,288 LaborIncome \$20,520,000 \$22,133,987 \$2,598,885 \$24,732,872 \$45,252,872 LaborIncome \$22,220,000 \$22,133,987	**************************************	\$75,776,706 Output \$0 \$76,629,328 \$6,820,739 \$83,450,067 Output \$357,946,710 \$69,311,909 \$9,388,848 \$78,700,757 \$436,647,467 Output \$338,384,920 \$69,583,143 \$9,506,635 \$79,089,778 \$417,474,698 Output \$388,739,160 \$76,629,328	** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll	

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RED - Land Acquisition					
** Local study area / model					
** Impacts relative to Future NA ** Pasted values from IMPLAN rep	ports				
Pusteu values from IMPLAN rep	JOILS			+	
Impact Summary	LAND-RE (A)				
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ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	5.8	\$173,232	\$841,630	\$1,103,053	
Indirect Effect Induced Effect	0.4	\$17,131 \$14.608	\$31,777 \$32.045	\$58,571	
Total Effect	6.8	\$14,608	\$32,045 \$905.451	\$53,642 \$1,215,266	
Total Effect	0.0	Ψ204,970	\$300,401	\$1,213,200	
Impact Summary	LAND-RE (B)				
lmm actTrim a		Laborinaama	Total\/alua Addad	Outnut	
ImpactType Direct Effect	Employment 5.7	LaborIncome \$170,525	TotalValueAdded \$828.479	Output \$1.085.818	
Indirect Effect	0.4	\$16,863	\$31,281	\$57,656	
Induced Effect	0.5	\$14,380	\$31.544	\$52,804	
Total Effect	6.7	\$201,768	\$891.304	\$1,196,277	
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Impact Summary	LAND-RE (C)				
ImpactType	Employment	Laborincome	TotalValueAdded	Output	
Direct Effect	5.8	\$173,232	\$841.630	\$1,103,053	
Indirect Effect	0.4	\$17,131	\$31,777	\$58,571	
Induced Effect	0.5	\$14,608	\$32,045	\$53,642	
Total Effect	6.8	\$204,970	\$905,451	\$1,215,266	
Impact Summary	LAND-LEGAL (A)				
Imm a at Turn a	Employment	Loharinaama	Total\/alica Addad	Outmut	
ImpactType Direct Effect	Employment 8.8	LaborIncome \$451,711	TotalValueAdded \$574.932	Output \$976,372	
Indirect Effect	0.7	\$23,235	\$41,909	\$79,196	
Induced Effect	1.3	\$36,933	\$81,359	\$136,027	
Total Effect	10.7	\$511,879	\$698,200	\$1,191,596	
		40,00	4 000,=00	\$1,101,000	
Impact Summary	LAND-LEGAL (B)				
ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	8.7	\$444,653	\$565,948	\$961,116	
Indirect Effect	0.7	\$22,872	\$41,254	\$77,959	
Induced Effect	1.2	\$36,356	\$80,088	\$133,902	
Total Effect	10.6	\$503,881	\$687,290	\$1,172,977	
Impact Summary	LAND-LEGAL (C)				
ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	8.8	\$451,711	\$574,932	\$976,372	
Indirect Effect	0.7	\$23,235	\$41,909	\$79,196	
Induced Effect	1.3	\$36,933	\$81,359	\$136,027	
Total Effect	10.7	\$511,879	\$698,200	\$1,191,596	
Impact Summary	NET LAND AQ (A)				
ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	14.7	\$624,943	\$1,416,561	\$2,079,425	
Indirect Effect	1.1	\$40,366	\$73,686	\$137,767	
Induced Effect	1.8	\$51,541	\$113,404	\$189,669	
Total Effect	17.5	\$716,849	\$1,603,651	\$2,406,862	
					-
Impact Summary	NET LAND AQ (B)				
ImpactType		LaborIncome	TotalValueAdded	Output	
Direct Effect	Employment	Labornio		\$2,046,934	
In all the set Title set	Employment 14.4	\$615,178	\$1,394,427		
Indirect Effect			\$1,394,427 \$72,535	\$135,615	
Induced Effect	14.4 1.1 1.7	\$615,178 \$39,735 \$50,736	\$72,535 \$111,632	\$135,615 \$186,706	
	14.4 1.1	\$615,178 \$39,735	\$72,535	\$135,615	
Induced Effect	14.4 1.1 1.7	\$615,178 \$39,735 \$50,736	\$72,535 \$111,632	\$135,615 \$186,706	
Induced Effect Total Effect	14.4 1.1 1.7 17.2	\$615,178 \$39,735 \$50,736	\$72,535 \$111,632	\$135,615 \$186,706	
Induced Effect	14.4 1.1 1.7	\$615,178 \$39,735 \$50,736	\$72,535 \$111,632	\$135,615 \$186,706	
Induced Effect Total Effect Impact Summary ImpactType	14.4 1.1 1.7 17.2 NET LAND AQ (C) Employment	\$615,178 \$39,735 \$50,736 \$705,649	\$72,535 \$111,632 \$1,578,594 TotalValueAdded	\$135,615 \$186,706 \$2,369,254 Output	
Induced Effect Total Effect Impact Summary ImpactType Direct Effect	14.4 1.1 1.7 17.2 NET LAND AQ (C) Employment 14.7	\$615,178 \$39,735 \$50,736 \$705,649 LaborIncome \$624,943	\$72,535 \$111,632 \$1,578,594 TotalValueAdded \$1,416,561	\$135,615 \$186,706 \$2,369,254 Output \$2,079,425	
Induced Effect Total Effect Impact Summary ImpactType Direct Effect Indirect Effect	14.4 1.1 1.7 17.2 NET LAND AQ (C) Employment 14.7 1.1	\$615,178 \$39,735 \$50,736 \$705,649 LaborIncome \$624,943 \$40,366	\$72,535 \$111,632 \$1,578,594 TotalValueAdded \$1,416,561 \$73,686	\$135,615 \$186,706 \$2,369,254 Output \$2,079,425 \$137,767	
Induced Effect Total Effect Impact Summary ImpactType Direct Effect	14.4 1.1 1.7 17.2 NET LAND AQ (C) Employment 14.7	\$615,178 \$39,735 \$50,736 \$705,649 LaborIncome \$624,943	\$72,535 \$111,632 \$1,578,594 TotalValueAdded \$1,416,561	\$135,615 \$186,706 \$2,369,254 Output \$2,079,425	

RED - Operations Spending	g					
* Local study area / model						
* Impacts relative to Future NA						
* Pasted values from IMPLAN rep	ports					
mpact Summary	OP PAYROLL (A)					
mpactType Direct Effect	Employment 0.0	Laborincome \$0	TotalValueAdded \$0	Output \$0		
ndirect Effect	0.0	\$0	\$0	\$0		
nduced Effect	4.3	\$129,354	\$280,315	\$470,913	** all induced effects	
Total Effect	4.3	\$129,354	\$280,315	\$470,913		
mpact Summary	OP PAYROLL (B)					
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0		
ndirect Effect	0.0	\$0	\$0	\$0		
nduced Effect	3.7	\$110,875		\$403,639	** all induced effects	
Total Effect	3.7	\$110,875	\$240,270	\$403,639		
mpact Summary	OP PAYROLL (C)					
mpactType Direct Effect	Employment	LaborIncome \$0	TotalValueAdded	Output \$0		
ndirect Effect	0.0	\$0	\$0 \$0	\$0		
nduced Effect	4.3	\$129,354	\$280,315	\$470,913	** all induced effects	
Total Effect	4.3	\$129,354	\$280,315	\$470,913		
mpact Summary	OP SPEND (A)					
mpactType	Employment	Laborincome	Total Value Added	Output		
Direct Effect	0.0	\$0	10tarvarueAdded \$0	S0	** Direct effect = power value/employment/payroll	
ndirect Effect	5.5	\$211,249	\$318,918	\$613,104		
nduced Effect	0.5	\$15,956	\$34,825	\$58,383		
Total Effect	6.0	\$227,206		\$671,487		
mpact Summary	OP SPEND (B)					
mpactType	Employment	Laborincome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0	** Direct effect = power value/employment/payroll	
ndirect Effect	5.2	\$198,741	\$300,033	\$576,800		
nduced Effect	0.5	\$15,011	\$32,763	\$54,926		
Total Effect	5.7	\$213,752	\$332, 797	\$631,726		
mnost Cummanı	OD CDEND (C)					
mpact Summary	OP SPEND (C)					
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0	** Direct effect = power value/employment/payroll	
ndirect Effect nduced Effect	5.5 0.5	\$211,249 \$15,956	\$318,918 \$34,825	\$613,104 \$58,383		
Total Effect	6.0	\$227,206	\$353,743	\$671,487		
		+ ,	4000): 10	Q 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Impact Summary	OP REC (A)					
	F1	Labadaaaa	T-4-11/-1 A d-dd	0		
ImpactType Direct Effect	Employment 0.0	LaborIncome \$0	TotalValueAdded \$0	Output \$0	** No direct effect	
Indirect Effect	0.3	\$12,146	\$19,100	\$36,323	No uncer effect	
Induced Effect	0.0	\$923	\$2,020	\$3,384		
Total Effect	0.3	\$13,070		\$39,707		
mpact Summary	OP REC (B)					
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0	** No direct effect	
ndirect Effect	0.3	\$12,146	\$19,100	\$36,323		
nduced Effect	0.0	\$923	\$2,020	\$3,384		
Total Effect	0.3	\$13,070	\$21,120	\$39,707		
mpact Summary	OP REC (C)					
			- . n			
mpactType Direct Effect	Employment	LaborIncome	TotalValueAdded	Output	** No direct offect	
ndirect Effect	0.0	\$0 \$12,146	\$19.100	\$0 \$36,323	** No direct effect	
nduced Effect	0.0	\$12,146	\$19,100 \$2,020	\$36,323		
Total Effect	0.3	\$13,070		\$39,707		
	1	,,,,		, ,		
mpact Summary	NET OPS (A)					_
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect (outside model)	35.0	\$1,750,000	. Star FaraCAdded	Surput \$0	** Direct effect = power value/employment/payroll	
ndirect Effect	5.8	\$223,396	\$338,018	\$649,427	, , , , , , , , , , , , , , , , , , , ,	
nduced Effect	4.9	\$146,234		\$532,679		
Total Effect (w/o outside model)	10.7	\$369,630	\$655,177	\$1,182,106		
Total Effect (w/ outside model)	45.7	\$2,119,630	_	\$1,182,106		
	1100 g (-)					
mpact Summary	NET OPS (B)			Output		
mpact Summary mpactType	Employment	LaborIncome	TotalValueAdded			
mpact Summary mpactType Direct Effect (outside model)	Employment 30.0	\$1,500,000	<mark></mark>	\$0	** Direct effect = power value/employment/payroll	
mpact Summary mpactType Direct Effect (outside model) ndirect Effect	Employment 30.0 5.5	\$1,500,000 \$210,887	\$319,134	\$0 \$613,123	** Direct effect = power value/employment/payroll	
mpact Summary mpactType Direct Effect (outside model) ndirect Effect nduced Effect	30.0 5.5 4.3	\$1,500,000 \$210,887 \$126,810	- \$319,134 \$275,052	\$0 \$613,123 \$461,949	** Direct effect = power value/employment/payroll	
mpact Summary mpactType Direct Effect (outside model) nduced Effect Total Effect (w/o outside model)	80.0 5.5 4.3 9.7	\$1,500,000 \$210,887 \$126,810 \$337,697	\$319,134	\$0 \$613,123 \$461,949 \$1,075,072	*** Direct effect = power value/employment/payroll	
mpact Summary mpactType Direct Effect (outside model) nduced Effect Total Effect (w/o outside model)	30.0 5.5 4.3	\$1,500,000 \$210,887 \$126,810	- \$319,134 \$275,052	\$0 \$613,123 \$461,949	** Direct effect = power value/employment/payroll	
mpact Summary mpactType incret Effect (outside model) ndirect Effect nduced Effect Total Effect (w/o outside model) Total Effect (w/ outside model)	80.0 5.5 4.3 9.7	\$1,500,000 \$210,887 \$126,810 \$337,697	- \$319,134 \$275,052	\$0 \$613,123 \$461,949 \$1,075,072	** Direct effect = power value/employment/payroll	
mpact Summary mpactType Direct Effect (outside model) ndirect Effect nduced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) mpact Summary	Employment 30.0 5.5 4.3 9.7 39.7 NET OPS (C)	\$1,500,000 \$210,887 \$126,810 \$337,697 \$1,837,697	\$319,134 \$275,052 \$594,186	\$0 \$613,123 \$461,949 \$1,075,072 \$1,075,072	** Direct ejfect = power value/employment/payroll	
mpact Summary mpactType Direct Effect (outside model) ndirect Effect nduced Effect Total Effect (wo outside model) Total Effect (wo outside model) mpact Summary mpactType	Employment 30.0 5.5 4.3 9.7 39.7 NET OPS (C) Employment	\$1,500,000 \$210,887 \$126,810 \$337,697 \$1,837,697	- \$319,134 \$275,052	\$613,123 \$461,949 \$1,075,072 \$1,075,072		
mpact Summary mpactType Direct Effect (outside model) ndirect Effect nduced Effect fotal Effect (w/o outside model) fotal Effect (w/o outside model) mpact Summary mpactType Direct Effect (outside model)	Employment 30.0 5.5 4.3 9.7 39.7 NET OPS (C) Employment 35.0	\$1,500,000 \$210,887 \$126,810 \$337,697 \$1,837,697 Laborincome \$1,750,000	\$319,134 \$275,052 \$594,186	\$0 \$613,123 \$461,949 \$1,075,072 \$1,075,072	** Direct effect = power value/employment/payroll ** Direct effect = power value/employment/payroll	
mpact Summary mpactType lirect Effect (outside model) difect Effect duced Effect otal Effect (w/o outside model) otal Effect (w/o outside model) mpact Summary mpactType lirect Effect (outside model) difect Effect (outside model)	Employment 30.0 5.5 4.3 9.7 39.7 NET OPS (C) Employment	\$1,500,000 \$210,887 \$126,810 \$337,697 \$1,837,697 Laborincome \$1,750,000 \$223,396	\$319,134 \$275,052 \$275,052 \$594,186	\$613,123 \$461,949 \$1,075,072 \$1,075,072		
mpact Summary mpactType Direct Effect (outside model) ndirect Effect nduced Effect Total Effect (w/o outside model) Total Effect (w/ outside model)	Employment 30.0 5.5 4.3 9.7 39.7 NET OPS (C) Employment 35.0 5.8	\$1,500,000 \$210,887 \$126,810 \$337,697 \$1,837,697 Laborincome \$1,750,000	\$319,134 \$275,652 \$594,186 	\$613,123 \$461,949 \$1,075,072 \$1,075,072 Output \$0 \$649,427		

RED Hydropower Generation ** Statewide study area / model ** Impacts relative to Future NA ** Pasted values from IMPLAN reports Impact Summary Hydro (A) **TotalValueAdded** ImpactType **Employment LaborIncome Output** Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary Hydro (B) **TotalValueAdded Employment Laborincome** ImpactType Output Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary Hydro (C) ImpactType **Employment** Laborincome **TotalValueAdded Output** Direct Effect Indirect Effect Induced Effect Total Effect

RED - AG Production	(Local-Reservoir-Pe	rmanent)		
** Local study area / model	1			
** Impacts relative to Existi	ing Conditions			
** Pasted values from IMPL	AN reports			
Impact Summary	AG PROD (A)			
mpactType Direct Effect	Employment -4.7	LaborIncome -\$204,473	TotalValueAdded -\$597,014	Output -\$1,533,479
Indirect Effect	-4.3	-\$149,648	-\$175,706	-\$290,443
Induced Effect	-0.9	-\$27,096	-\$59,386	-\$99,437
Total Effect	-9.9	-\$381,217	-\$832,108	-\$1,923,360
Impact Summary	AG PROD (B)			
ImpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	-4.6	-\$199,071	-\$582,996	-\$1,508,268
Indirect Effect	-4.2	-\$146,640	-\$172,894	-\$286,107
Induced Effect	-0.9	-\$26,453	-\$57,977	-\$97,078
Total Effect	-9.7	-\$372,165	-\$813,866	-\$1,891,453
Impact Summary	AG PROD (C)			
ImpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	-4.7	-\$204,473	\$597,014	-\$1,533,479
Indirect Effect	-4.3	-\$149,648	\$175,706	-\$290,443
Induced Effect	-0.9	-\$27,096	-\$59,386	-\$99,437
Total Effect	-9.9	-\$381,217	\$832,108	-\$1,923,360
Impact Summary	AG-NET (A)			
ImpactType	Employment			
Direct Effect	Lilipioyiliciit	LaborIncome	TotalValueAdded	Output
DIEGG ETTEGG	-4.7	LaborIncome -\$204,473	TotalValueAdded -\$597,014	Output -\$1,533,479
				· · · · · · · · · · · · · · · · · · ·
Indirect Effect	-4.7	-\$204,473	-\$597,014	-\$1,533,479
Indirect Effect Induced Effect	-4.7 -4.3	-\$204,473 -\$149,648	-\$597,014 -\$175,706	-\$1,533,479 -\$290,443
Indirect Effect Induced Effect Total Effect	-4.7 -4.3 -0.9	-\$204,473 -\$149,648 -\$27,096	-\$597,014 -\$175,706 -\$59,386	-\$1,533,479 -\$290,443 -\$99,437
Indirect Effect Induced Effect Total Effect Impact Summary	-4.7 -4.3 -0.9 -9.9	-\$204,473 -\$149,648 -\$27,096	-\$597,014 -\$175,706 -\$59,386	-\$1,533,479 -\$290,443 -\$99,437
Indirect Effect Induced Effect Total Effect Impact Summary ImpactType	-4.7 -4.3 -0.9 -9.9 AG-NET (B)	-\$204,473 -\$149,648 -\$27,096 -\$381,217	-\$597,014 -\$175,706 -\$59,386 -\$832,108	-\$1,533,479 -\$290,443 -\$99,437 -\$1,923,360
Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect	-4.7 -4.3 -0.9 -9.9 AG-NET (B) Employment	-\$204,473 -\$149,648 -\$27,096 -\$381,217	-\$597,014 -\$175,706 -\$59,386 -\$832,108 TotalValueAdded	-\$1,533,479 -\$290,443 -\$99,437 -\$1,923,360
Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect Indirect Effect	-4.7 -4.3 -0.9 -9.9 AG-NET (B) Employment -4.6	-\$204,473 -\$149,648 -\$27,096 -\$381,217 LaborIncome -\$199,071	-\$597,014 -\$175,706 -\$59,386 -\$832,108 TotalValueAdded -\$582,996	-\$1,533,479 -\$290,443 -\$99,437 -\$1,923,360 Output -\$1,508,268
Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect	-4.7 -4.3 -0.9 -9.9 AG-NET (B) Employment -4.6 -4.2	-\$204,473 -\$149,648 -\$27,096 -\$381,217 LaborIncome -\$199,071 -\$146,640	-\$597,014 -\$175,706 -\$59,386 -\$832,108 TotalValueAdded -\$582,996 -\$172,894	-\$1,533,479 -\$290,443 -\$99,437 -\$1,923,360 Output -\$1,508,268 -\$286,107
Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect	-4.7 -4.3 -0.9 -9.9 AG-NET (B) Employment -4.6 -4.2 -0.9	-\$204,473 -\$149,648 -\$27,096 -\$381,217 LaborIncome -\$199,071 -\$146,640 -\$26,453	-\$597,014 -\$175,706 -\$59,386 -\$832,108 TotalValueAdded -\$582,996 -\$172,894 -\$57,977	-\$1,533,479 -\$290,443 -\$99,437 -\$1,923,360 Output -\$1,508,268 -\$286,107 -\$97,078
Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary	-4.7 -4.3 -0.9 -9.9 AG-NET (B) Employment -4.6 -4.2 -0.9 -9.7	-\$204,473 -\$149,648 -\$27,096 -\$381,217 LaborIncome -\$199,071 -\$146,640 -\$26,453	-\$597,014 -\$175,706 -\$59,386 -\$832,108 TotalValueAdded -\$582,996 -\$172,894 -\$57,977	-\$1,533,479 -\$290,443 -\$99,437 -\$1,923,360 Output -\$1,508,268 -\$286,107 -\$97,078
Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary Impact Summary Impact Summary	-4.7 -4.3 -0.9 -9.9 AG-NET (B) Employment -4.6 -4.2 -0.9 -9.7 AG-NET (C)	-\$204,473 -\$149,648 -\$27,096 -\$381,217 LaborIncome -\$199,071 -\$146,640 -\$26,453 -\$372,165	-\$597,014 -\$175,706 -\$59,386 -\$832,108 TotalValueAdded -\$582,996 -\$172,894 -\$57,977 -\$813,866	-\$1,533,479 -\$290,443 -\$99,437 -\$1,923,360 Output -\$1,508,268 -\$286,107 -\$97,078 -\$1,891,453
Indirect Effect Induced Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Induced Effect Induced Effect Impact Summary Impact Summary Impact Summary Impact Effect Indirect Effect Indirect Effect	-4.7 -4.3 -0.9 -9.9 AG-NET (B) Employment -4.6 -4.2 -0.9 -9.7 AG-NET (C) Employment	-\$204,473 -\$149,648 -\$27,096 -\$381,217 LaborIncome -\$199,071 -\$146,640 -\$26,453 -\$372,165 LaborIncome	-\$597,014 -\$175,706 -\$59,386 -\$832,108 TotalValueAdded -\$582,996 -\$172,894 -\$57,977 -\$813,866	-\$1,533,479 -\$290,443 -\$99,437 -\$1,923,360 Output -\$1,508,268 -\$286,107 -\$97,078 -\$1,891,453 Output
Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary Impact Summary ImpactType Direct Effect	-4.7 -4.3 -0.9 -9.9 AG-NET (B) Employment -4.6 -4.2 -0.9 -9.7 AG-NET (C) Employment -4.7	-\$204,473 -\$149,648 -\$27,096 -\$381,217 LaborIncome -\$199,071 -\$146,640 -\$26,453 -\$372,165 LaborIncome -\$204,473	-\$597,014 -\$175,706 -\$59,386 -\$832,108 TotalValueAdded -\$582,996 -\$172,894 -\$57,977 -\$813,866 TotalValueAdded -\$597,014	-\$1,533,479 -\$290,443 -\$99,437 -\$1,923,360 Output -\$1,508,268 -\$286,107 -\$97,078 -\$1,891,453 Output -\$1,533,479

RED - AG Production	(Local-Reservoir-Tei	mporary)		
** Local study area / mode	•	iiporary)		
** Impacts relative to Exist				
** Pasted values from IMPI				
mpact Summary	AG PROD (A)			
mpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784
ndirect Effect	-15.3	-\$517,255	-\$662,122	-\$1,095,442
nduced Effect	-3.0	-\$88,559	-\$194,309	-\$325,249
Total Effect	-62.2	-\$1,241,852	-\$4,315,344	-\$8,514,475
mpact Summary	AG PROD (B)			
mpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784
Indirect Effect	-15.3	-\$517,255	-\$662,122	-\$1,095,442
nduced Effect	-3.0	-\$88,559	\$194,309	-\$325,249
Total Effect	-62.2	-\$1,241,852	-\$4,315,344	-\$8,514,475
-		. , ,==	. ,,	. ,, 0
mpact Summary	AG PROD (C)			
mpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784
ndirect Effect	-15.3	-\$517,255	-\$662,122	-\$1,095,442
nduced Effect	-3.0	-\$88,559	-\$194,309	-\$325,249
Total Effect	-62.2	-\$1,241,852	-\$4,315,344	-\$8,514,475
Impact Summary	AG-NET (A)			
ImpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784
ndirect Effect	-15.3	-\$517,255	-\$662,122	-\$1,095,442
nduced Effect	-3.0	-\$88,559	-\$194,309	-\$325,249
Total Effect	-62.2	-\$1,241,852	-\$4,315,344	-\$8,514,475
mpact Summary	AG-NET (B)			
mpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784
ndirect Effect	-15.3	-\$517,255	-\$662,122	-\$1,095,442
nduced Effect	-3.0	-\$88,559	-\$194,309	-\$325,249
Total Effect	-62.2	-\$1,241,852	-\$4,315,344	-\$8,514,475
mpact Summary	AG-NET (C)			
mpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784
ndirect Effect	-15.3	-\$517,255	-\$662,122	-\$1,095,442
nduced Effect	-3.0	-\$88,559	-\$194,309	-\$325,249
Total Effect	-62.2	-\$1,241,852	-\$4,315,344	-\$8,514,475

RED - AG Production (Sta	te-Reservoir-Per	rmanent)				
** Statewide study area / model	1					
** Impacts relative to Existing Co						
** Pasted values from IMPLAN r						
· · · Pastea values from liviPLAN r	eports					
Impact Summary	AG PROD (A)					
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	-4.7	-\$204,473	-\$597,014	-\$1,533,479	pavich:	
ndirect Effect	-6.9	-\$292,250	-\$433,306	-\$833,745	link'd to local mo	del for
nduced Effect	-3.4	-\$170,563	-\$308,167	-\$543,105	direct effects	
Total Effect	-15.0	-\$667,286	- \$1,338,487	-\$2,910,329		
mpact Summary	4.C DDOD (D)					
	AG PROD (B)			_		
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	-4.6	-\$199,071	-\$582,996	-\$1,508,268	pavich: link'd to local mo	del for
ndirect Effect	-6.8	-\$287,342	-\$427,642	-\$823,684	direct effects	uei iüi
Induced Effect	-3.3	-\$166,994	-\$301,719	-\$531,741	direct cirects	
Total Effect	-14.7	-\$653,406	-\$1,312,357	-\$2,863,693		
Impact Summary	AG PROD (C)					
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	-4.7	-\$204,473	-\$597,014	-\$1,533,479	pavich:	
ndirect Effect	-6.9	-\$292,250	-\$433,306	-\$833,745	link'd to local mo	del for
nduced Effect	-3.4	-\$170,563	-\$308,167	-\$543,105	direct effects	
Total Effect	-15.0	-\$667,286	-\$1,338,487	-\$2,910,329	-	
Impact Summary	AG-NET (A)					
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	-4.7	-\$204,473	-\$597,014	-\$1,533,479		
ndirect Effect	-6.9	-\$292,250	-\$433,306	-\$833,745		
nduced Effect	-3.4	-\$170,563	-\$308,167	-\$543,105		
Total Effect	-15.0	-\$667,286	-\$1,338,487	-\$2,910,329		
mpact Summary	AG-NET (B)					
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	-4.6	-\$199,071	-\$582,996	-\$1,508,268		
ndirect Effect	-6.8	-\$287,342	-\$427,642	-\$823,684		
nduced Effect	-3.3	-\$166,994	\$301,719	-\$531,741		
Total Effect	-14.7	-\$653,406	\$1,312,357	-\$2,863,693		
mpact Summary	AG-NET (C)					
mpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	-4.7	-\$204,473	-\$597,014	-\$1,533,479		
ndirect Effect	-6.9	-\$292,250	-\$433,306	-\$833,745		
nduced Effect	-3.4	-\$170,563	-\$308,167	-\$543,105		
Total Effect	-15.0	-\$667,286	-\$1,338,487	-\$2,910,329		

RED - AG Production (S	tate-Reservoir-Tei	mnorary)			
** Statewide study area / mod		iiporary)			
** Impacts relative to Existing					
** Pasted values from IMPLAI					
r astea values from him Em	v reports				
Impact Summary	AG PROD (A)				
ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784	pavich:
Indirect Effect	-24.8	-\$1,046,836	-\$1,675,820	-\$3,146,967	link'd to local model for
Induced Effect	-11.2	-\$562,032	-\$1,015,544	-\$1,789,595	direct effects
Total Effect	-80.0	-\$2,244,905	-\$6,150,284	-\$12,030,346	
Impact Summary	4.C. DDCD (D)				
	AG PROD (B)				
ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784	pavich: link'd to local model for
Indirect Effect	-24.8	-\$1,046,836	-\$1,675,820	-\$3,146,967	direct effects
Induced Effect	-11.2	-\$562,032	\$1,015,544	-\$1,789,595	all dat divides
Total Effect	-80.0	-\$2,244,905	-\$6,150,284	-\$12,030,346	
Impact Summary	AG PROD (C)				
ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784	pavich:
Indirect Effect	-24.8	-\$1,046,836	-\$1,675,820	-\$3,146,967	link'd to local model for
Induced Effect	-11.2	-\$562,032	-\$1,015,544	-\$1,789,595	direct effects
Total Effect	-80.0	-\$2,244,905	-\$6,150,284	-\$12,030,346	
Impact Summary	AG-NET (A)				
ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784	
Indirect Effect	-24.8	-\$1,046,836	-\$1,675,820	-\$3,146,967	
Induced Effect	-11.2	-\$562,032	-\$1,015,544	-\$1,789,595	
Total Effect	-80.0	-\$2,244,905	-\$6,150,284	-\$12,030,346	
Impact Summary	AG-NET (B)				
ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784	
Indirect Effect	-24.8	-\$1,046,836	-\$1,675,820	-\$3,146,967	
Induced Effect	-11.2	-\$562,032	\$1,015,544	-\$1,789,595	
Total Effect	-80.0	-\$2,244,905	-\$6,150,284	-\$12,030,346	
Inches of Comments	40 ::== (0)				
Impact Summary	AG-NET (C)				
ImpactType	Employment	LaborIncome	TotalValueAdded	Output	
Direct Effect	-44.0	-\$636,038	-\$3,458,920	-\$7,093,784	
Indirect Effect	-24.8	-\$1,046,836	-\$1,675,820	-\$3,146,967	
Induced Effect	-11.2	-\$562,032	\$1,015,544	-\$1,789,595	
Total Effect	-80.0	-\$2,244,905	\$6,150,284	-\$12,030,346	

RED - Construction Spendi	ng (State)	REVISED MARCH 2	012			
** Statewide study area / model						
** Impacts relative to Future NA	l .					
** Pasted values from IMPLAN rep	orts					
Impact Summary	PAYROLL (A)					
				_		
ImpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect Indirect Effect	0.0	\$0 \$0	\$0 \$0	\$0 \$0		
Induced Effect	77.4	\$3,895,436	\$7,032,760	\$12,405,073	** All induced effects	
Total Effect	77.4	\$3,895,436	\$7,032,760	\$12,405,073	All Illudeed effects	
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ţ:,00=,:00	.		
Impact Summary	PAYROLL (B)					
ImpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0		
Indirect Effect	0.0	\$0	\$0	\$0		
Induced Effect	79.6	\$4,008,744	\$7,237,323	\$12,765,901	** All induced effects	
Total Effect	79.6	\$4,008,744	\$7,237,323	\$12,765,901		
Impact Summary	PAYROLL (C)					
ImpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0		
Indirect Effect	0.0	\$0	\$0	\$0		
Induced Effect	86.2	\$4,340,852	\$7,836,906	\$13,823,505	** All induced effects	
Total Effect	86.2	\$4,340,852	\$7,836,906	\$13,823,505		
Impact Summary	OTH CONST (A)					
impact Summary	OTH CONST (A)					
ImpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0	** Direct effect = total cost/employment/payroll	
Indirect Effect	1,461.5	\$98,034,332	\$144,425,245	\$301,845,753		
Induced Effect	635.6	\$31,911,880	\$57,637,187	\$101,618,192		
Total Effect	2,097.1	\$129,946,212	\$ 202,062,432	\$403,463,945		
Impact Summary	OTH CONST (B)					
ImpactType	Employment	LaborIncome	TotalValueAdded	Output		
Direct Effect	0.0	\$0	\$0	\$0	** Direct effect = total cost/employment/payroll	
Indirect Effect Induced Effect	1,467.3 638.1	\$98,417,966 \$32,036,762	\$144,990,417 \$57,862,743	\$303,026,951 \$102,015,860		
Total Effect	2,105.3	\$130,454,728	\$202,853,159	\$405,042,811		
10101 211001	2,:00.0	φ100j101j120				
1			. , ,	ψ403,042,011		
Impact Summary	OTH CONST (C)		. , ,	φ 4 03,042,011		
		LaborIncome				
Impact Summary ImpactType Direct Effect	OTH CONST (C) Employment	Laborincome \$0	TotalValueAdded	Output \$0	** Direct effect = total cost/employment/payroll	
ImpactType	Employment		TotalValueAdded	Output	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect	Employment 0.0	\$0	TotalValueAdded \$0	Output \$0	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect	Employment 0.0 1,615.8	\$0 \$108,384,043	TotalValueAdded \$0 \$159,672,550	Output \$0 \$333,712,306	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect	Employment 0.0 1,615.8 702.7	\$0 \$108,384,043 \$35,280,889	TotalValueAdded \$0 \$159,672,550 \$63,722,076	Output \$0 \$333,712,306 \$112,346,255	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect	Employment 0.0 1,615.8 702.7 2,318.5	\$0 \$108,384,043 \$35,280,889	TotalValueAdded \$0 \$159,672,550 \$63,722,076	Output \$0 \$333,712,306 \$112,346,255	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect	Employment 0.0 1,615.8 702.7	\$0 \$108,384,043 \$35,280,889	TotalValueAdded \$0 \$159,672,550 \$63,722,076	Output \$0 \$333,712,306 \$112,346,255	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect	Employment 0.0 1,615.8 702.7 2,318.5	\$0 \$108,384,043 \$35,280,889	TotalValueAdded \$0 \$159,672,550 \$63,722,076	Output \$0 \$333,712,306 \$112,346,255	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary	Employment 0.0 1,615.8 702.7 2,318.5	\$0 \$108,384,043 \$35,280,889 \$143,664,932	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627	Output \$0 \$333,712,306 \$112,346,255 \$446,058,560	** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment	\$0 \$108,384,043 \$35,280,889 \$143,664,932	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded	Output \$0 \$333,712,306 \$112,346,255 \$446,058,560 Output		
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0	\$0 \$108,384,043 \$35,280,889 \$143,664,932 LaborIncome \$19,940,000 \$98,034,332 \$35,807,316	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265		
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model)	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5	\$0 \$108,384,043 \$35,280,889 \$143,664,932 Laborincome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018		
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0	\$0 \$108,384,043 \$35,280,889 \$143,664,932 LaborIncome \$19,940,000 \$98,034,332 \$35,807,316	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265		
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Total Effect (w/o outside model) Total Effect (w/ outside model)	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5	\$0 \$108,384,043 \$35,280,889 \$143,664,932 Laborincome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018		
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/ outside model) Impact Summary	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5 NET CONST (B)	\$108,384,043 \$35,280,889 \$143,664,932 LaborIncome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 \$153,781,648	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947 \$209,095,192	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728		
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Total Effect (w/o outside model) Total Effect (w/ outside model) Impact Summary Impact Summary Impact Summary ImpactType	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5 NET CONST (B) Employment	\$108,384,043 \$35,280,889 \$143,664,932 LaborIncome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 LaborIncome	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Induced Effect Induced Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary ImpactType Direct Effect (Outside Model)	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5 NET CONST (B) Employment 98.7	\$108,384,043 \$35,280,889 \$143,664,932 LaborIncome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 LaborIncome \$20,520,000	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947 \$209,095,192 TotalValueAdded	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728 Output \$338,384,920		
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary Impact Summary Impact Summary Impact Summary Impact Effect (Outside Model) Indirect Effect (Outside Model) Indirect Effect (Outside Model) Indirect Effect (Outside Model)	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5 NET CONST (B) Employment 98.7 1,467.3	\$108,384,043 \$35,280,889 \$143,664,932 LaborIncome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 \$153,781,648 LaborIncome \$20,520,000 \$98,417,966	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947 \$209,095,192 TotalValueAdded	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728 Output \$338,384,920 \$303,026,951	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/ outside model) Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect (Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5 NET CONST (B) Employment 98.7 1,467.3 717.7	\$108,384,043 \$35,280,889 \$143,664,932 LaborIncome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 \$153,781,648 LaborIncome \$20,520,000 \$98,417,966 \$36,045,505	TotalValueAdded \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947 \$209,095,192 TotalValueAdded \$144,990,417 \$65,100,065	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728 Output \$338,384,920 \$303,026,951 \$114,781,761	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) ImpactType Direct Effect (outside Model) Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect (Indirect E	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5 NET CONST (B) Employment 98.7 1,467.3	\$108,384,043 \$35,280,889 \$143,664,932 Laborincome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 \$153,781,648 Laborincome \$20,520,000 \$98,417,966 \$36,045,505 \$134,463,471	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947 \$209,095,192 TotalValueAdded	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728 Output \$338,384,920 \$303,026,951 \$114,781,761 \$417,808,713	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary Impact Effect (Outside Model) Indirect Effect (Induced Eff	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5 NET CONST (B) Employment 98.7 1,467.3 711.7 2,185.0	\$108,384,043 \$35,280,889 \$143,664,932 LaborIncome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 \$153,781,648 LaborIncome \$20,520,000 \$98,417,966 \$36,045,505	TotalValueAdded \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947 \$209,095,192 TotalValueAdded \$144,990,417 \$65,100,065	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728 Output \$338,384,920 \$303,026,951 \$114,781,761	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect (Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect (Impact Summary ImpactType Direct Effect (Impact Summary Indirect Effect (Impact Summary Impact	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5 NET CONST (B) Employment 98.7 1,467.3 711.7 2,185.0	\$108,384,043 \$35,280,889 \$143,664,932 Laborincome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 \$153,781,648 Laborincome \$20,520,000 \$98,417,966 \$36,045,505 \$134,463,471	TotalValueAdded \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947 \$209,095,192 TotalValueAdded \$144,990,417 \$65,100,065	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728 Output \$338,384,920 \$303,026,951 \$114,781,761 \$417,808,713	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect (Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary	Employment 0.0 1,615.8 702.7 2,318.5 NET CONST (A) Employment 95.9 1,461.5 713.0 2,174.5 2,270.5 NET CONST (B) Employment 98.7 1,467.3 711.7 2,185.0 2,283.7 NET CONST (C)	\$108,384,043 \$35,280,889 \$143,664,932 Laborincome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 \$153,781,648 Laborincome \$20,520,000 \$98,417,966 \$36,045,505 \$134,463,471 \$154,983,471	TotalValueAdded \$0 \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947 \$209,095,192 TotalValueAdded ***TotalValueAdded** ***TotalValueAdded** \$210,090,482	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728 Output \$338,384,920 \$303,026,951 \$114,781,761 \$417,808,713 \$756,193,633	** Direct effect = total cost/employment/payroll	
ImpactType Direct Effect Indirect Effect Induced Effect Total Effect Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary ImpactType Direct Effect (Outside Model) Indirect Effect Induced Effect (outside Model) Indirect Effect Induced Effect Induced Effect Induced Effect Induced Effect Total Effect (w/o outside model) Total Effect (w/o outside model) Impact Summary ImpactType	Employment	\$108,384,043 \$35,280,889 \$143,664,932 Laborincome \$19,940,000 \$98,034,332 \$35,807,316 \$133,841,648 \$153,781,648 Laborincome \$20,520,000 \$98,417,966 \$36,045,505 \$134,463,471	TotalValueAdded \$159,672,550 \$63,722,076 \$223,394,627 TotalValueAdded \$144,425,245 \$64,669,947 \$209,095,192 TotalValueAdded \$144,990,417 \$65,100,065	Output \$333,712,306 \$112,346,255 \$446,058,560 Output \$357,946,710 \$301,845,753 \$114,023,265 \$415,869,018 \$773,815,728 Output \$338,384,920 \$303,026,951 \$114,781,761 \$417,808,713 \$756,193,633 Output	** Direct effect = total cost/employment/payroll ** Direct effect = total cost/employment/payroll	
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RED - Land Acquisition (State)			
** Statewide study area / mod	'el			
** Impacts relative to Future N	IA			
** Pasted values from IMPLAN	reports			
mpact Summary	LAND-RE (A)			
mpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	23.7	\$733,064	\$3,415,795	\$4,476,79
Indirect Effect	6.9	\$370,528	\$706,785	\$1,163,08
nduced Effect	7.2	\$358,681	\$648,260	\$1,142,05
Total Effect	37.7	\$1,462,273	\$4,770,839	\$6,781,93
mpact Summary	LAND-RE (B)			
mpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	23.3	\$721,610	\$3,362,423	\$4,406,84
Indirect Effect	6.8	\$364,738	\$695,741	\$1,144,91
Induced Effect	7.1	\$353,077	\$638,130	\$1,124,21
Total Effect	37.1	\$1,439,425	\$4,696,295	\$6,675,96
mpact Summary	LAND-RE (C)			
mpactType	Employment	Laborincome	TotalValueAdded	Output
Direct Effect	23.7	\$733,064	\$3,415,795	\$4,476,79
Indirect Effect	6.9	\$370,528	\$706,785	\$1,163,08
Induced Effect	7.2	\$358,681	\$648,260	\$1,142,05
Total Effect	37.7	\$1,462,273	\$4,770,839	\$6,781,93
Impact Summary	LAND-LEGAL (A)			
mpactType	Employment	Laborincome	TotalValueAdded	Output
Direct Effect	21.6	\$2,046,271	\$2,642,718	\$4,219,07
Indirect Effect	10.0	\$564,318	\$1,016,774	\$1,743,70
Induced Effect	16.9	\$849,221	\$1,534,019	\$2,704,15
Total Effect	48.5	\$3,459,810	\$5,193,511	\$8,666,92
Impact Summary	LAND-LEGAL (B)			
ImpactType	Employment	Laborincome	TotalValueAdded	Output
Direct Effect	21.3	\$2,014,298	\$2,601,425	\$4,153,14
Indirect Effect	9.8	\$555,501	\$1,000,887	\$1,716,45
Induced Effect	16.7	\$835,952	\$1,510,050	\$2,661,90
Total Effect	47.7	\$3,405,750	\$5,112,363	\$8,531,50
mpact Summary	LAND-LEGAL (C)			
ImpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	21.6	\$2,046,271	\$2.642.718	\$4,219,07
Indirect Effect	10.0	\$564,318	\$1,016,774	\$1,743,70
Induced Effect	16.9	\$849,221	\$1,534,019	\$2,704,15
Total Effect	48.5	\$3,459,810	\$5,193,511	\$8,666,92
Impact Summary	NET LAND AQ (A)			
<u> </u>		Laboratori	Tatalitation	0.11
mpactType Direct Effect	Employment	LaborIncome \$2,779,334	TotalValueAdded	Output
	45.3	. , ,	\$6,058,513	\$8,695,86
Indirect Effect Induced Effect	16.8	\$934,846 \$1,207,902	\$1,723,559 \$2,182,279	\$2,906,78 \$3,846,21
Total Effect	86.2	\$4,922,083	\$9,964,351	\$15,448,86
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mpact Summary	NET LAND AQ (B)			
mpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	44.6	\$2,735,907	\$5,963,848	\$8,559,99
Indirect Effect	16.6	\$920,239	\$1,696,628	\$2,861,36
nduced Effect	23.7	\$1,189,029	\$2,148,181	\$3,786,11
Total Effect	84.9	\$4,845,175	\$9,808,657	\$15,207,47
mpact Summary	NET LAND AQ (C)			
mpactType	Employment	LaborIncome	TotalValueAdded	Output
Direct Effect	45.3	\$2,779,334	\$6,058,513	\$8,695,86
Indirect Effect	16.8	\$934,846	\$1,723,559 \$2,182,270	
Indirect Effect Induced Effect Total Effect	16.8 24.1 86.2	\$934,846 \$1,207,902 \$4,922,083	\$2,182,279 \$2,964,351	\$2,906,78 \$3,846,21 \$15,448,86

DP Price Deflator			
From	То	GDP Deflator	
1 10111	10	Adjustment	
2004 \$'s	2010 \$'s	1.14362	
2005 \$'s	2010 \$'s	1.10670	
2006 \$'s	2010 \$'s	1.07172	
2007 \$'s	2010 \$'s	1.04107	
2008 \$'s	2010 \$'s	1.01873	
2009 \$'s	2010 \$'s	1.00951	
2010 \$'s	2010 \$'s	1.00000	
2011 \$'s	2010 \$'s	0.99098	
Category	Item	Model	\$ Basis for Model
Costs			2007 \$'s
Water Supply	Urban (SC and SB)	LCPSIM	2007 \$'s
Water Supply	Other Urban	OMWEM	2007 \$'s
Water Supply	Agricultural	SWAP	2011 \$'s
Water Supply	Refuges	Transfer Prices	2007 \$'s
Water Quality	Urban (SC and SB, TDS)	LCRBWQM	2007 \$'s
Water Quality	Other Urban (TDS)	SBWQM	2006 \$'s
Fisheries	Upstream	Transfer Prices	2007 \$'s
Fisheries	Delta	Transfer Prices	2007 \$'s
Hydropower	System (Net)	LT-Gen, SWP_Power and NODOS_Power	2007 \$'s

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