

B. 838933



# UNL INTERAGENCY BILLING INVOICE

**REMIT TO:**

UNIVERSITY OF NEBRASKA-LINCOLN  
INTERAGENCY BILLING # 512  
P.O. BOX 880439  
LINCOLN, NE 68588-0439

Invoice Number **90031731**

Page: 1 of 1

Invoice Date: 2/2/06

Due Upon Receipt

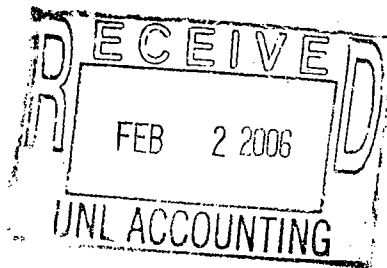
**BILLING ADDRESS:**

Nebraska Department of Natural Resources  
301 Centennial Mall South  
4th Floor, State Office Building  
P O Box 94676  
Lincoln, NE 68509-4676

**CUSTOMER/SHIP TO ADDRESS:**

Nebraska Department of Natural Resources  
301 Centennial Mall South  
4th Floor, State Office Building  
P O Box 94676  
Lincoln, NE 68509-4676

Item Number	Description of Charges	Amount
001	Requesting payment #1 on agreement between NE DNR and University for "Ground Water Management & Protection Act Service Agreement"	7,975.28
	Task Order #3 - "Delineation of 2005 Statewide Land Use Patterns for the State of Nebraska DNR" Patti Dappen & James Merchant Pls.	



**Balance Due** 7,975.28

<b>Departmental Information:</b>	
Campus Billing Dept.	SPONSORED PROGRAMS
Contact Name:	Shelly Hardies <i>Shelly Hardies</i>
Phone:	(402) 472-2247

*20681045*

<b>SAP Coding:</b>		
SAP Cost Object	G/L Account	Amount
26-6254-0018-004	462102	7,975.28
Total		7,975.28

# UNL INTERAGENCY BILLING INVOICE

B 838933

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 P.O. BOX 880439  
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**CUSTOMER/SHIP TO ADDRESS:**

Nebraska Department of Natural Resources  
 301 Centennial Mall South  
 4th Floor, State Office Building  
 P O Box 94676  
 Lincoln, NE 68509-4676

Item Number	Description of Charges	Amount
001	Requesting payment #1 on agreement between NE DNR and University for "Ground Water Management & Protection Act Service Agreement"	33,406.35

Task Order #1 - "Hydraulic Conductivity, Specific Yield and Transmissivity Mapping"  
 Scott Summerside Pl.

LB 962  
 Gen Fund  
 Enter contract  
 on NIS

RECEIVED  
 FEB 2 2006  
 UNL ACCOUNTING

Balance Due 33,406.35

<b>Departmental Information:</b>	
Campus Billing Dept.	SPONSORED PROGRAMS
Contact Name:	Shelly Hardies <i>Shelly Hardies</i>
Phone:	(402) 472-2247

20681050

<b>SAP Coding:</b>		
SAP Cost Object	G/L Account	Amount
26-6254-0018-002	462102	33,406.35
Total		33,406.35

B. 838933



# UNL INTERAGENCY BILLING INVOICE

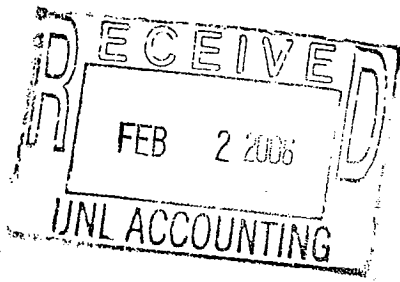
**REMIT TO**  
 UNIVERSITY OF NEBRASKA-LINCOLN  
 INTERAGENCY BILLING # 512  
 P.O. BOX 880439  
 LINCOLN, NE 68588-0439

Invoice Number **90031730**  
 Page: 1 of 1  
 Invoice Date: 2/2/06  
 Due Upon Receipt

**BILLING ADDRESS:**  
 Nebraska Department of Natural Resources  
 301 Centennial Mall South  
 4th Floor, State Office Building  
 P O Box 94676  
 Lincoln, NE 68509-4676

**CUSTOMER/SHIP TO ADDRESS:**  
 Nebraska Department of Natural Resources  
 301 Centennial Mall South  
 4th Floor, State Office Building  
 P O Box 94676  
 Lincoln, NE 68509-4676

Item Number	Description of Charges	Amount
001	Requesting payment #1 on agreement between NE DNR and University for "Ground Water Management & Protection Act Service Agreement"	35,570.52
	Task Order #4 - "Complete State-wide Test-hole Log Electronic Database"	
	Jerry Ayers - PI	



**Balance Due** 35,570.52

<b>Departmental Information:</b>	
Campus Billing Dept.	SPONSORED PROGRAMS
Contact Name:	Shelly Hardies <i>Shelly Hardies</i>
Phone:	(402) 472-2247 20681047

<b>SAP Coding:</b>		
SAP Cost Object	G/L Account	Amount
26-6254-0018-005	462102	35,570.52
Total		35,570.52

2 to 5 days work

62 Station

x 50 years

x 12 months

Aug. Then map

13.96.2

2 presentations

INTERRELATED WATER MANAGEMENT ACTIVITIES BUDGET AND COMPLETION DATES

FY 06 and 07 Combined Budget Contracted? Contracted Amt Due Date Completed? Other

INTERRELATED WATER MGMT - CONTRACTS

Line Item	Description	Budget	Contracted?	Contracted Amt	Due Date	Completed?	Other
	Platte River DSS	\$55,000	No				
	IWIP Contract	\$120,000	Partial	\$60,000			
	Consumptive Use Research	\$8,000	No				
33406.35	Task Order #1 Specific Yield & Transmissivity - FY 05	\$41,361	Yes	\$41,361	Done	Yes	
99400.81	(Task Order #2 Platte Land Use) * (Non 962 Funds) (\$214,665)	*	Yes	*			
7975.28	Task Order #3 CALMIT Land Use - Rest of State	\$282,652	Yes	\$282,652	6/25/2007		
35570.52	Task Order #4 Hydraulic Conductivity	\$144,927	Yes	\$69,921	7/1/2006		
	Task Order #5 Box Butte Co. - Niobrara Hydro Model	\$66,189	Yes	\$66,189	9/30/2006		interim 1/31/06
	Task Order #6 Aquifer-Stream Interact - Upper Niobrara	\$18,172	Yes	\$18,383	12/31/2006		
	Future COHYST Model Maintenance	\$80,000	Partial	\$111,042	Discuss		\$41,000 in 08 - 07 is est
	Future DNR COHYST Study	\$60,000	No				
	Loup-Eikhorn Groundwater Model	\$240,000	Yes	\$295,000	10/31/2007		***
	Blue Basin Study	\$50,000	No				
	24 Stream Gages	\$70,000	No				
	Frenchman Valley Study	\$100,000	No				
<b>TOTAL</b>		\$2,201,301		\$1,809,548			

INTERRELATED WATER MGMT - STAFF & SUPPLIES

First Three DNR Staff	\$400,000	NA		
DNR Equipment and Supplies	\$200,000	Partial	\$200,000	
Water Administration Contracts	\$265,000	Partial	\$265,000	
<b>TOTAL</b>	\$1,809,548			

3/1/04  
Date

**Integrated Water Management Plan Program Fund**

FY2007 Requests

Count	Total Project		FY06-07		FY07-08		FY08-09		FY09-10		Project Name	Proposed Project Sponsor(s)																	Designated Fully / Over Appropriated / Fully / Over	
	Original	Current	Original	Current	Original	Current Request	Original	Current Estimate	Original	Current Estimate		CPNRD	LACNRD	LEBRD	LENRD	LJNRD	LPNRD	LSNRD	LRNRD	MNRD	MNNRD	MNRD	NPNRD	PNNRD	SPNRD	TBRD	TNRD	UBNRD		ULNRD
1	132,000	132,000	105,600	105,600	0	410,268	0	0	444,132	0	Blue Basin GW Model																			
2	2,109,289	2,109,289	1,192,896	339,496	410,268	589,000	589,000	589,000	589,000	589,000	Char. of Near-Surface Lith under Selected Tring Canals																			
3	1,920,000	1,920,000	1,536,000	380,000	589,000	589,000	589,000	589,000	589,000	589,000	Eastern NE Water Resource Assmt																			
4	1,976,000	1,976,000	1,484,800	494,800	434,860	537,380	537,380	537,380	415,200	0	Elektron-Loop Modeling Study																			
5	290,000	290,000	224,000	66,000	112,000	112,000	112,000	112,000	0	0	GW Mound Geology & Water Lvl Data Coll																			
6	350,000	350,000	251,000	99,000	35,000	283,600	283,600	283,600	20,000	20,000	Magnetic Recon. Sounding for GW Aquifer Detection																			
7	220,000	220,000	170,000	50,000	75,000	75,000	75,000	75,000	40,000	40,000	Measuring Components of Hydro Water Budget on ...																			
8	150,000	150,000	120,000	30,000	40,000	40,000	40,000	40,000	40,000	40,000	Remains Study for CCEP																			
9	315,000	315,000	246,000	69,000	84,360	84,360	84,360	84,360	70,880	70,880	Remains Study for CCEP																			
10	272,000	272,000	174,000	98,000	34,000	34,000	34,000	34,000	18,000	18,000	Rep River Augmentation Appraisal																			
11	115,000	115,000	92,000	23,000	36,000	63,000	63,000	63,000	65,620	65,620	Rep River Basin Riparian Mgt Study & Damo																			
12	356,777	356,777	232,620	124,157	70,040	70,040	70,040	70,040	72,141	72,141	So Platte River Compact Water																			
13	220,227	220,227	176,181	44,046	70,040	70,040	70,040	70,040	72,141	72,141	Water Banking																			
14	220,227	220,227	176,181	44,046	70,040	70,040	70,040	70,040	72,141	72,141	Middle Platte GW Modeling																			
TOTALS	8,606,420	9,307,520	6,141,746	6,633,348	2,424,436	2,383,635	2,383,635	2,383,635	1,733,665	1,824,275																				
				391,600		401,000		401,000		50,610																				

Count	Original	Current	Original	Current	Original	Current Request	Original	Current Estimate	Original	Current Estimate	Project Name	Proposed Project Sponsor(s)																	Designated Fully / Over Appropriated / Fully / Over		
15	118,500	94,970	94,970	94,970	n/a	82,300	n/a	12,450	n/a	12,450	LPNRD Sub-area Delineation Study																				
16	220,459	176,366	176,366	176,366	n/a	82,168	n/a	51,261	n/a	51,261	Lower Platte River Modeling Study																				
17	80,000	64,000	64,000	64,000	n/a	64,000	n/a	66,560	n/a	66,560	Lower Salt Creek Aquifer GW Modeling Project																				
18	375,500	240,320	240,320	240,320	n/a	83,520	n/a	173,000	n/a	173,000	90,240 NPNRD Water Mgt Simulation & Optimization Analysis																				
19	685,000	465,000	465,000	465,000	n/a	112,000	n/a	162,500	n/a	162,500	Recharge Estimation Across Central Platte River Basin																				
20	325,000	325,000	325,000	325,000	n/a	162,500	n/a	465,911	n/a	465,911	Surface Water Model of Platte River Basin																				
TOTALS	1,804,458	1,365,656	1,365,656	1,365,656	586,486	586,486	586,486	465,911	313,178	313,178																					

2,412,000

**Integrated Water Management Plan Program Fund  
FY2007 Requests**

Count	IWMPPF Requests		Local Match		Project Name	Proposed Project Sponsor(s)																Designated Fully / Over Appropriated								
	Total	Year 1	Year 1	Percent		CPNR	L&CNRD	LBNRD	LBAND	LENRD	LLNRD	LNNRD	LPNRD	LPSNRD	LRNRD	MNNRD	MRNRD	NNRD	NPNRD	PMNRD	SPNRD		TBNRD	TPNRD	UBNRD	UENRD	ULNRD	UNWNRD	URNRD	
1	105,000	105,600	26,400	20.0%	Blue Basin GW Model																								Hydrologically Connected to Platte / Fully / Over Appropriated	
2	1,192,896	338,496	200,000	37.1%	Char. of Near-Surface Lith under Selected Irrig Canals																									Hydrologically Connected to Platte / Fully / Over Appropriated
3	1,536,000	360,000	90,000	20.0%	Eastern NE Water Resource Assmt																									Not Fully / Over
4	1,976,000	634,640	159,000	20.0%	Elkhorn-Loup Modeling Study																									Hydrologically Connected to Platte / Fully / Over Appropriated
5	224,000	112,000	28,000	20.0%	GW Mound Geology & Water Lvl Data Coll																									Fully / Over Appropriated
6	251,000	216,000	54,000	20.0%	Magnetic Reson. Sounding for GW Aquifer Detection																									Fully / Over Appropriated
7	170,000	75,000	20,000	21.1%	Measuring Components of Hydro Water Budget on ...																									Not Fully / Over
8	120,000	40,000	10,000	20.0%	Nemaha NRD IWMPPF Request																									Not Fully / Over
9	246,649	91,700	22,926	20.0%	Remote Sense Techn - Consumption Use Mapping																									Fully / Over Appropriated
10	136,000	136,000	34,000	20.0%	Rep River Augmentation Appraisal																									Fully / Over Appropriated
11	174,000	121,000	61,700	33.8%	Rep River Basin Riparian Mgt Study & Demo																									Fully / Over Appropriated
12	92,000	56,000	14,000	20.0%	So Platte River Compact Water																									Fully / Over Appropriated
13	232,620	104,000	54,014	34.2%	Water Banking																									Fully / Over Appropriated
14	176,181	34,000	8,500	20.0%	Middle Platte GW Modeling																									Fully / Over Appropriated
<b>TOTALS</b>	<b>6,632,346</b>	<b>2,424,436</b>	<b>782,540</b>	<b>24.4%</b>																										

Integrated Water Management Plan Program Fund  
FY2007 Requests

Count	IWMPPF Requests			Local Match		Project Name	Proposed Project Sponsor(s)																			Designated Fully / Over Appropriated							
	Total	Year 1	Percent	Year 1	Percent		CPNRD	L&CNRD	LBNRD	LBNRD	LENRD	LLNRD	LNNRD	LPNNRD	LPSNRD	LRNRD	MNNRD	MNNRD	MNRD	NNRD	NPNRD	PMNRD	SPNRD	TBNRD	TBNRD		UBBNRD	UENRD	ULNRD	UNWNRD	URNRD		
1	105,000	105,600	20.0%	26,400	20.0%	Blue Basin GW Model														X													Hydrologically Connected to Platte / Fully
2	1,192,896	338,496	37.1%	200,000	37.1%	Char. of Near-Surface Lith under Selected Irrig Canals															X											Fully / Over Appropriated	
3	1,536,000	360,000	20.0%	90,000	20.0%	Eastern NE Water Resource Assmt	X																									Not Fully / Over	
4	1,376,000	634,640	20.0%	159,000	20.0%	Eikhorn-Loup Modeling Study			X																							Hydrologically Connected to Platte / Fully	
5	224,000	112,000	20.0%	28,000	20.0%	GW Mound Geology & Water Lvi Data Coll				X																						Fully / Over Appropriated	
6	251,000	216,000	20.0%	54,000	20.0%	Magnetic Reson. Sounding for GW Aquifer Detection					X																					Fully / Over Appropriated	
7	170,000	75,000	21.1%	20,000	21.1%	Measuring Components of Hydro Water Budget on ...	X																									Not Fully / Over	
8	120,000	40,000	20.0%	10,000	20.0%	Nemaha NRD IWMPPF Request																										Not Fully / Over	
9	246,649	91,700	20.0%	22,926	20.0%	Remote Sense Techn - Consumption Use Mapping																X											Fully / Over Appropriated
10	136,000	136,000	20.0%	34,000	20.0%	Rep River Augmentation Appraisal																											Fully / Over Appropriated
11	174,000	121,000	33.8%	61,700	33.8%	Rep River Basin Riparian Mgt Study & Demo																											Fully / Over Appropriated
12	92,000	56,000	20.0%	14,000	20.0%	So Platte River Compact Water																X											Fully / Over Appropriated
13	232,620	104,000	34.2%	54,014	34.2%	Water Banking																											Fully / Over Appropriated
14	176,181	34,000	20.0%	8,500	20.0%	Middle Platte GW Modeling																											Fully / Over Appropriated
<b>TOTALS</b>	<b>6,632,346</b>	<b>2,424,436</b>	<b>24.4%</b>	<b>782,540</b>	<b>24.4%</b>																												





**Integrated Water Management Plan Program Fund  
FY2007 Requests**

Count	IWMPPF Requests		Local Match		Project Name	Proposed Project Sponsor(s)																Designated Fully / Over Appropriated							
	Total	Year 1	Year 1	Percent		URNRD	UNWNRD	ULNRD	UENRD	UBENRD	TFNRD	TENRD	SPNRD	PMNRD	NPNRD	NNRD	MNRD	MNNRD	LRNRD	LPSNRD	LPNNRD		LNNRD	LLNRD	LENRD	LBENRD	LBNRD	L&ENRD	CPNRD
1	105,000	105,600	26,400	20.0%	Blue Basin GW Model																								Hydrologically Connected to Platte / Fully
2	1,192,896	338,496	200,000	37.1%	Char. of Near-Surface Lith under Selected Irrig Canals																								Fully / Over Appropriated
3	1,536,000	360,000	90,000	20.0%	Eastern NE Water Resource Assmt																								Not Fully / Over
4	1,976,000	634,640	159,000	20.0%	Elkhorn-Loup Modeling Study																								Hydrologically Connected to Platte / Fully
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6	251,000	216,000	54,000	20.0%	Magnetic Reson. Sounding for GW Aquifer Detection																								Fully / Over Appropriated
7	170,000	75,000	20,000	21.1%	Measuring Components of Hydro Water Budget on ...																								Not Fully / Over
8	120,000	40,000	10,000	20.0%	Nemaha NRD IWMPPF Request																								Not Fully / Over
9	246,649	91,700	22,926	20.0%	Remote Sense Techn - Consumption Use Mapping																								Fully / Over Appropriated
10	136,000	136,000	34,000	20.0%	Rep River Augmentation Appraisal																								Fully / Over Appropriated
11	174,000	121,000	61,700	33.8%	Rep River Basin Riparian Mgt Study & Demo																								Fully / Over Appropriated
12	92,000	56,000	14,000	20.0%	So Platte River Compact Water																								Fully / Over Appropriated
13	232,620	104,000	54,014	34.2%	Water Banking																								Fully / Over Appropriated
14	176,181	34,000	8,500	20.0%	Middle Platte GW Modeling																								Fully / Over Appropriated
<b>TOTALS</b>	<b>6,632,346</b>	<b>2,424,436</b>	<b>782,540</b>	<b>24.4%</b>																									

**KANSAS V. NEBRASKA BUDGET ACTIVITIES/COMMITMENTS**  
(Draft 5/24/2007)

DRAFT 5/24/2007

Work Items	FY 07 Estimated End of Fiscal Year Expenditures (including contracted)	FY 08 Budget (Tentative)	FY 09 Budget (Tentative)
Total Budget(*)	\$ 960,456		
Budgeted Staff	\$ 250,520	\$ -	\$ -
Budgeted Other	\$ 709,936	\$ 267,903	\$ 267,903
<b>Staff (YTD x 12/10)</b>	\$ 215,148	\$ -	\$ -
<b>Other</b>			
Operations	\$ 21,624	\$ 29,253	\$ 29,253
Travel	\$ 19,301	\$ 11,650	\$ 11,650
NRD Interfocal	\$ 326,035	\$ -	\$ -
Computer Hardware	\$ -	\$ 10,000	\$ 10,000
Subtotal	\$ 366,960	\$ 50,903	\$ 50,903

Principia(**)--model & website			
Flatwater Group--Actual YTD	\$ 3,750	\$ 4,000	\$ 4,000
1. Project Management/Support	\$ 91,052	\$ 91,060	\$ -
2. Model-related data	\$ -	\$ 10,000	\$ -
3. Review of GW level data--Completed			
4. Assist MMA with Review of Model--Completed			
5. Augmentation Study	\$ -	\$ 40,000	\$ -
6. Computer Code Revision	\$ 10,000	\$ -	\$ -
7. Summarize Conservation Measures	\$ -	\$ 20,000	\$ -
8. Watershed (Rainfall/Runoff) Model	\$ -	\$ 100,000	\$ 50,000
9. Surface Water Operations Model	\$ -	\$ -	\$ 100,000
McDonald Morrissey YTD	\$ 210,670	\$ -	\$ -
? Comparison with COHYST	\$ -	\$ 10,000	\$ -
? Model Documentation	\$ -	\$ 50,000	\$ -
Topographic Study (Contours)	\$ -	\$ 500,000	\$ -
Committed	\$ 305,472	\$ 4,000	\$ 4,000
Total of Proposed Studies	\$ 10,000	\$ 821,060	\$ 150,000
<b>Uncommitted</b>	\$ 72,876	\$ 213,000	\$ 213,000
<b>Total</b>	\$ 981,060	\$ 981,060	\$ 981,060

**KANSAS V. NEBRASKA BUDGET ACTIVITIES/COMMITMENTS**  
(Draft 5/24/2007)

DRAFT 5/24/2007

Work Items	FY 07 Estimated End of Fiscal Year Expenditures (including contracted)	FY 08 Budget (Tentative)	FY 09 Budget (Tentative)
Total Budget(*)	\$ 960,456		
Budgeted Staff	\$ 250,520	\$ -	\$ -
Budgeted Other	\$ 709,936	\$ 267,903	\$ 267,903
<b>Staff (YTD x 12/10)</b>	<b>\$ 215,148</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Other</b>			
Operations	\$ 21,624	\$ 29,253	\$ 29,253
Travel	\$ 19,301	\$ 11,650	\$ 11,650
NPD Interlocal	\$ 326,035	\$ -	\$ -
Computer Hardware	\$ -	\$ 10,000	\$ 10,000
Subtotal	\$ 366,960	\$ 50,903	\$ 50,903

Principia(**)--model & website	FY 07 Estimated End of Fiscal Year Expenditures (including contracted)	FY 08 Budget (Tentative)	FY 09 Budget (Tentative)
Flatwater Group--Actual YTD	\$ 91,052		
1. Project Management/Support			
2. Model-related data			
3. Review of GW level data--Completed			
4. Assist MMA with Review of Model--Completed			
5. Augmentation Study			
6. Computer Code Revision			
7. Summarize Conservation Measures			
8. Watershed (Rainfall/Runoff) Model			
9. Surface Water Operations Model			
McDonald Morrissey YTD	\$ 210,670		
? Comparison with COHYST			
? Model Documentation			
Topographic Study (Contours)			
Committed	\$ 305,472	\$ 4,000	\$ 4,000
Total			

**Uncommitted \$ 72,876 \$ 213,000 \$ 213,000 \$ 498,876**

Kansas v Nebraska	FY 2005-06		FY 2006-07*		FY 2006-07* Expended	Consulting Cost Break-down				
	Allocated	Expended <sup>1</sup>	Allocated	Expended		FY 2005-06	FY 2006-07	FY 2007-08	FY 2008-09	
Salaries & Benefits	\$ 212,000	\$ 212,000	\$ 250,520	\$ 140,000						
Operating Costs	\$ 140,200	\$ 31,200	\$ 39,000	\$ 21,000		MMA \$ 134,000.00	\$ 73,800.00	\$ 86,000.00	\$ 64,500.00	
Consulting Costs	\$ 289,000	\$ 113,519	\$ 405,000	\$ 133,700		FWG/HDR \$ 155,000.00	\$ 40,800.00	\$ 170,500.00	\$ 170,500.00	
Principia Services	\$ 12,000	\$ 7,250	\$ 4,750	\$ 4,750		Programmer \$ -	\$ 20,000.00	\$ 10,000.00	\$ 22,100.00	
NRD Inter-local	\$ 360,000	\$ 360,000	\$ 320,000	\$ 160,000		Intern \$ -	\$ 15,000.00	\$ 9,100.00	\$ 15,800.00	
Travel	\$ 31,500	\$ 24,000	\$ 25,000	\$ 4,000		Misc \$ -		\$ -	\$ -	
Computer Hardware	\$ 16,300	\$ 2,428	\$ 5,000	\$ 500			Expended			
Other Studies & Data			\$ 58,630	\$ -		Total	\$ 289,000.00	\$ 405,000.00	\$ 293,300.00	
Total Allocated	\$ 1,061,000	\$ 750,397	Expended Est. thru Jan 31 - 2007 <sup>2</sup>							
			\$ 1,107,900	\$ 463,950						
			\$ 1,142,908	Actual NIS amt		Description	29021007	FY 2006-07		
			\$ 35,008	diff		PERMANENT SALARIES-WAGES	511100	\$ 182,452		
						RETIREMENT PLANS EXPENSE	515100	\$ 13,057		
						OASDI EXPENSE	515200	\$ 13,958		
						LIFE & ACCIDENT INS EXP	515400	\$ 76		
						HEALTH INSURANCE EXPENSE	515500	\$ 40,906		
						EMPLOYEE ASSISTANCE PRO	516300	\$ 71		
						Total		\$ 250,520		
						Invasive Species Inventory		\$ 50,000	If funds available	
Official Request <sup>3</sup>	\$ 273,793	Half of 331	\$ 273,793	Half of 331						
Difference	\$ (452,507)		\$ (411,157)							
<sup>x</sup> Salaries have been removed from program 331 <sup>y</sup> No money allocated for Conservation or ET/Flux Studies <sup>1</sup> Estimate of expenditures through June 30, 2006; Outstanding consulting invoices will be substantial <sup>2</sup> Allocated in meeting between Bleed, Schellpeper & Thompson on August 17, 2006 <sup>3</sup> This is half of the official program 331 budget request submitted by Bleed. Other half goes to NE vs WY <sup>4</sup> Breakdown of consulting est: MMA \$80,000, FWG/HDR \$40,000, Programmer \$1000, Intern \$7000 Cells in green were adjusted at Jan 8, 2007 budget meeting with Planning Section look at cell formulae for more info										
Executive Summary:										
					2-Feb-07			Budget '06-07	Expended	Remaining
								\$ 215,000	\$ 73,800	\$ 141,200
								\$ 155,000	\$ 40,800	\$ 114,200

**Estimated DNR Republican River Modeling Staff Time Needs  
November 8, 2007 through November 8, 2008**

**Compact Obligations**

- |  |         |
|--|---------|
| 1. Preliminary Accounting Data (Due April 15)          | .20 FTE |
| 2. Final Accounting Data (Due Midsummer)               | .05 FTE |
| 3. Accounting Methodology Dispute (Problem St. Dec 31) | .30 FTE |

**State Requirements**

- |  |         |
|--|---------|
| 1. 701 Allowable Depletions Forecast (Due January 1) | .25 FTE |
| 2. Early Update (Due about September 30)             | .05 FTE |

**General Assistance**

- |   |         |
|---|---------|
| 1. Augmentation Study (Due about June 1, 2008)    | .30 FTE |
| 2. Distribution of Pumping and Acreage            | .50 FTE |
| 3. NRD Impacts – (compliance, mound effects etc.) | .50 FTE |
| 4. Frenchman Valley Appraisal Study               | .05 FTE |

**Research**

1.0 FTE

1. Model Documentation
2. Sensitivity Analysis
3. Random Climate Simulations
4. Comparison with COHYST
5. Phreatophyte ET Modeling
6. Rainfall Runoff Model
7. Surface Water Operations Model
8. Topology / LIDAR
9. Examine Other States Information
10. Data Compilation
11. Long Term Scenario Studies
12. Tools Development
13. Subregional Modeling

FTE TOTAL

3.2 FTE

INTERRELATED WATER MANAGEMENT ACTIVITIES BUDGET / COMMITMENTS/ COMPLETION DATES  
Draft 4/4/08

WORK ITEMS	FY08 Budget	FY 09 Budget (Tentative)	Contracted	Contracted Amt	Due Date	Completed
<b>UW</b>						
Task Order #1 Specific Yield & Transmissibility - FY 05			Yes	\$41,361	Completed	Yes
Task Order #2 Private Land Use (Partial Non 962 Funds) (\$214,665 total)			Yes	\$265,547	Completed	Yes
Task Order #3 CALUMI Land Use - Rest of State	\$117,470		Yes	\$69,521	Completed	Yes
Task Order #4 Hydraulic Conductivity			Yes	\$66,189	Completed	Yes
Task Order #5 Box Bulte Co. - Niobrara Hydro Model			Yes	\$18,383	Completed	Yes
Task Order #6 Aquifer-Stream Interact - Upper Niobrara	\$14,009		Yes	\$82,908	Completed	Yes
Task Order #7 Basin Atlasess / Hydraulic Conductivity			Yes	\$6,000	Completed	Yes
Task Order #8 Consumptive Use Research	\$475,903	\$271,272	Yes	\$205,440	Completed	Yes
Task Order #9 North Platte Weather Stations (Non 962 Funds) (\$1,400)	\$607,582	\$271,272	Yes	\$765,749	Completed	No
Task Order #10 Evapotranspiration Work			Yes		12/1/2011	No
<b>Subtotal UW</b>						
<b>CORPST</b>						
Poudre COHYST Model Maintenance	\$113,980	\$37,840	Partial	\$116,000		
Poudre DNR COHYST Study	\$103,773	\$37,840	Yes	\$116,000		
<b>Subtotal CORPST</b>	\$217,753	\$75,680				
<b>USGS</b>						
Eastern Nebraska Heliborne Survey	\$129,933		Yes	\$251,000	12/31/2007	Yes
Loop-Elkhorn Groundwater Model	\$133,264		Yes	\$349,000	9/30/2008	No
<b>Subtotal USGS</b>	\$263,197			\$600,000		
<b>BUREC</b>						
Blue Basin Study	\$0	\$0	NA	\$0		
Frenchman Valley Appraisal Study	\$0	\$0	NA	\$0		
<b>Subtotal BUREC</b>	\$0	\$0		\$0		
<b>PLANNED BUT NOT CONTRACTED STUDIES/PROJECTS</b>						
Piatte Conjunctive Use Study	25,000	\$25,000	No			No
Niobrara Model Consultant	25,000	\$175,000	No			No
Piatte Water Action Plans	15,000	\$139,800	No			No
Environmental Trust In-Kind	15,000	10,000	No			No
Conservation Study	\$100,000	\$100,000	No			No
Automated Weather Data Network		\$50,000	No			No
<b>SUBTOTAL PLANNED BUT NOT CONTRACTED</b>	<b>165,000</b>	<b>\$499,800</b>				
<b>OTHER</b>						
Engineering Contract						
Conjunctive Use Contract - CNPPID/PPDP		\$6,535	Yes	\$15,000		Uncertain
Hydraulic Conductivity Mapping		\$50,000	Yes	\$4,000	Done	Yes
Contract for Senior Modeler (primarily contracted)	78,850	\$50,000	Partial	\$100,000	6/30/2008	No
Streambed Conductance Research in Elkhorn	\$42,000		Yes	\$42,000		No
<b>Overappropriated Basin Facilitation</b>						
Republican Modeling SOS Assistant	\$24,015	\$39,995	Submitted			No
962 Interns	\$18,960	\$45,500	Yes			No
Soil Survey Fund	\$36,790	\$40,500	Yes			No
Water Policy Task Force Meeting Expense	\$27,800	\$26,000	Yes (Est)			NA
UNCOMMITTED*	\$30,963	\$0	No			NA
<b>Subtotal Other</b>	<b>\$282,378</b>	<b>\$208,520</b>		<b>\$161,000</b>		
<b>Internal Projects</b>						
WIP Contract	\$20,000	\$20,000	Partial	\$96,462	Done	Yes
Stream Gages	\$20,000	\$20,000	Partial	\$96,462		
<b>Subtotal Internal Projects</b>	<b>\$20,000</b>	<b>\$20,000</b>		<b>\$96,462</b>		
<b>INTERRELATED WATER MGMT - STAFF &amp; SUPPLIES</b>						
Six DNR Staff	\$372,280	\$372,280	NA			
DNR Equipment and Supplies	\$120,000	\$112,674	Partial			
Modeler Training	\$0	\$0				
Water Administration Contracts	\$132,500	\$132,500	Partial	\$205,000		
<b>Subtotal - Staff and Supplies</b>	<b>\$624,780</b>	<b>\$617,454</b>				
<b>*TOTAL</b>	<b>2,100,480</b>	<b>1,654,686</b>				
<b>STATE AID</b>						
Piatte - Republican EQIP (15-15 year Irrigation Contracts)	\$3,676,192					
Republican EQIP (4 year Non-Irrigation Contract)	\$0					
Pumpkin Creek EQIP	\$55,193					
Republican EQIP 2006	\$84,200					
Conservation Corners EQIP	\$12,932					
Republican EQIP 2007	\$151,368					
Cooperative Agreement Pass Through to NRDs	\$84,748					
Possible Additional CREP/EQIP Payments	\$16,780					
Republican Compact Compliance/Water Leasing						
<b>TOTAL - Incentives and Water Leasing</b>	<b>\$4,081,433</b>					
<b>TOTAL - OVERALL</b>	<b>\$6,261,923</b>	<b>\$1,654,686</b>				

\*Totals include interrelated Water Management Program biennial budget plus \$101,405 in cash funds. Not included is approximately \$100,000 in expected income from contracts with Hydrology Sponsors over the FY08 and FY09 period.

**Proposed LB962 Intern Budgets**

	<b>FY08</b>	<b>FY09</b>
General and PRRIP (Chris)	\$7,000	\$10,000
Database & PRRIP (Dustin)	5,500	7,000
Database (David)	5,500	7,000
NHD Stewardship Intern (Eric - SOS)	21,500	16,500
Water Admin Interns (Shilpa & Chiatra)	<u>7,290</u>	<u>0</u>
	46,790	40,500
DOR Contribution	<u>-10,000</u>	<u>0</u>
	<b>\$36,790</b>	<b>\$40,500</b>
		\$36,790
		<u>40,500</u>
		77,290



**Uncontracted/Uncommitted Funds and Projects/Studies Planned But Not Yet Contracted - FY08 – FY09 (Two Year Totals) – 4/4/08**

**Sources of Uncontracted Funds**

*North Platte Decree Uncontracted/Uncommitted Funds (Approx)	\$ 650,000*
*Republican Basin Uncontracted/Uncommitted Funds (Approx)	\$ 700,000*
LB 962 Uncontracted/Uncommitted Funds (Appropriation)	\$ 594,158
LB 962 Cash Fund Uncommitted Funds	\$ 101,405
COHYST Contract Income – Estimated (Uncertain)	\$ 100,000**
<b>TOTAL</b>	<b>\$ 2,145,563</b>

**Items Planned But Not Yet Contracted**

Platte Conjunctive Use Study	\$ 50,000	962
LIDAR	\$ 500,000	NPD
Rainfall/Runoff Study and SW Op Study	\$ 150,000	NPD100 REP 050
ET Study	\$ 100,000	NPD
Preparation for Arbitration	\$ 500,000	REP
Niobrara Model Consultant	\$ 200,000	962
Platte Water Action Plans Contract	\$ 139,600	962
Crop Sim as used for offsets		?
Environmental Trust In-Kind	\$ 25,000	962
Conservation Study	\$ 200,000	962
Automated Weather Data Network	\$ 50,000	962
Republican Augmentation	\$ 100,000	Rep50 NP 50
Uncommitted	\$ 130,963**	962
<b>TOTAL</b>	<b>\$2,145,463</b>	

\* Note: Funds in these two categories are only available for certain types of expenditure and would not be available for a number of the potential work items listed.

\*\* Note: The Interrelated Water Management Program Budget Sheet only lists \$30,963 in uncommitted funds rather than the \$130,963 depicted here. This is because the expected \$100,000 income from contracts with Hydrology sponsors is sufficiently uncertain that we should not fully commit it until late in the biennium when we can be more certain of the amount. However, it was included in the original decisions on this budget sheet and is left here for that reason.

INTERRELATED WATER MANAGEMENT ACTIVITIES BUDGET / COMMITMENTS / COMPLETION DATES

Drawn 10/26/07  
(Assumes FY 06 and FY 07 Budgets Adopted)

WORK ITEMS	Combined Budget FY 06 and 07 (Including Carryover)	FY06 Budget (Initiative)	FY 07 Budget (Initiative)	Combined Total FY 06 & FY 07 Budget	Contracted	Connected Amt	One Date	Completed	Other
<b>TRANK</b>									
Trank Order #1 Specific Yield & Transmissibility - FY 08 (Trank Order #2 Pledge Land Use) (Non 902 Funds) (\$214,665)	\$33,400	\$33,400		\$33,400	Yes	\$41,351	Done 8/30/07	Yes	Cost Less than Contracted
Trank Order #3 Specific Yield & Transmissibility - FY 08 (Trank Order #4 Hydrologic Model) (Non 902 Funds) (\$214,665)	\$33,400	\$33,400		\$33,400	Yes	\$41,351	Done 8/30/07	Yes	Original budget \$14,927 - new fully contracted
Trank Order #4 Hydrologic Model - Upper Nishnabetz (Trank Order #5 Box Bents Co. - Nishnabetz Hydro Model) (Trank Order #6 Aquifer-Surface Interaction - Upper Nishnabetz) (Trank Order #7 Consumptive Use Estimation - Upper Nishnabetz) (Trank Order #8 Consumptive Use Estimation - Lower Nishnabetz) (Trank Order #9 North Delta Weather Stations (Non 902 Funds) (\$14,000) (Trank Order #10 Evapotranspiration Work - Upper Nishnabetz)	\$309,440	\$309,440	\$271,272	\$580,712	Yes	\$770,854	Done 6/20/07	Yes	First Year Contracted - Other Budgeted Only to 12/31/07 Budget less than contracted because FTOU less than budget
<b>COHST</b>									
Future COHST Model Maintenance Future COHST Study	\$33,491	\$33,491		\$33,491	Partial	\$33,491		Yes	
<b>USGS</b>									
Eastern Nebraska Helicon Survey Loup-Erborn Groundwater Model*	\$251,000	\$251,000		\$251,000	Yes	\$251,000		No	
<b>LRRC USGS</b>									
Blue Basin Study Frenchman Valley Agricultural Study	\$246,000	\$246,000		\$246,000	Yes	\$246,000		No	
<b>Subtotal BUREAU</b>	\$1,000,000	\$1,000,000	\$271,272	\$1,271,272	NA	\$1,271,272		NA	
<b>CONDUCTIVE USE CONTRACT - CUPID/NDPD</b>									
Hydraulic Conductivity Mapping Contract for Senior Measur	6,535	6,535		6,535	Yes	\$6,535		Yes	
Conservation Study	4,000	4,000		4,000	Partial	\$4,000		Yes	
Unsaturation Zone Network - Imperial 902 Internals	\$42,000	\$200,000	\$200,000	\$400,000	No	\$400,000		Yes	Budgeted at \$100,000 in 07 - only \$50,000 contracted to year
Subtotal Other	\$52,535	\$206,535	\$200,000	\$459,070	No	\$459,070		NA	Talked with Blair - Need to link with Ann
<b>Internal Projects</b>									
MIP Contract Water Administration Contracts Water Administration Contracts Subtotal - Staff and Supplies	\$56,452	\$56,452	\$56,452	\$112,904	Partial	\$96,452		Yes	
<b>INTERNAL WATER MGMT - STAFF &amp; SUPPLIES</b>	\$112,904	\$112,904	\$112,904	\$225,808	Partial	\$96,452		Yes	
<b>STATE AID</b>									
REPUBLICAN COMPACT COMPLIANCE/WATER LEASING									
FY07	\$5,000,000	\$2,000,000	\$1,400,000	\$8,400,000					
Other	2,700,000	\$5,646,000	\$0	\$8,346,000					
Other	1,000,000	\$1,500	\$0	\$1,500					
Republican Plate/EDIP Republican Plate/EDIP Republican Plate/EDIP Cooperative Agreement Pass Through to NRBA Other Incentives	400,000	\$314,500	\$0	\$714,500					
Pumpkin Creek Incentives	\$207,399	\$187,500	\$0	\$394,899					
Tri-Basin-EDIP	\$0	\$0	\$0	\$0					
S Plate & N Plate EDIP	\$0	\$0	\$0	\$0					
<b>TOTAL - Incentives and Water Leasing</b>	\$8,507,399	\$5,002,000	\$1,798,000	\$15,307,400					
<b>TOTAL - OVERALL</b>	\$12,322,100	\$18,624,244	\$8,181,457	\$39,127,801					

FY 06- FY07 Contains \$1,178 in Uncommitted "Other" Funds for Success and \$10,721 in Uncommitted "Other" Funds for Leasing. These amounts are not included in the budget table as they will be available in FY 08 in this budget table. However, they would still be available in FY 07 if needed.

The FY08-07 expenditure total includes contracted work for which we have not yet been billed and which will not be completed in fiscal year 07. However, we are not currently allowed to bill any further cash amounts under a COHST contract. This agreement with Hydrology Services allows them to charge up to \$56,491 in FY06 and \$54,351 in FY07 which must be paid in either cash or in-kind. The amount of \$33,491 of that amount in cash in FY06. I am assuming that no further amounts will be charged in cash for FY 06 or FY07, but this must be confirmed by our agency representative to Hydrology Services before I can verify.