INPUT DATA

CODE	AAHUs	Costs
A 0	0	0
A 1	1.15	40177
B 0	0	0
B 1	1.57	151345
C 0	0	0
C 1	0.82	124053
D 0	0	0
D 1	1.33	91634
E 0	0	0
E 1	41.3	19235
F 0	0	0
F 1	6.56	6395
G 0	0	0
G 1	12.29	15858
H 0	0	0
H 1	30.28	9630
I 0	0	0
I 1	33.03	17373

SCENARIO STATISTICS

04/04/2003 1:54 PM

SCENARIO: Tandy Increme Increment Breakdown of Tandy

FILE: C:\IWRPLAN\Data\Tandy Increment.mdb

COST VARIABLE: Costs Average Annualized Costs **SENSITIVITY:** Expected

OUTPUT VARIABLE: AAHUs Average Annual Habitat Units **SENSITIVITY:** Expected

CREATED: 4/4/2003 1:53:00 PM **EDITED:** **ANALYZED:** 4/4/2003 1:53:00 PM

POSSIBLE COMBINATIONS: 512 **COST EFFECTIVE:** 19

ACTUAL COMBINATIONS: 113 **BEST BUY:** 4

CONSTRAINT GROUP: NONE

EXCLUDED SOLUTIONS

DERIVED VARIABLES

DEPENDENCY / NON-COMBINABILITY

Dependency	Non-Combinability
ABC	D B
AB	B D
AC	

AD
ACD
H AB
H ABC
H BC
I AB
I AD
I ABC
I ADC
I DC
I BC
B
C
E C
F A
F B
F C
F D
A
H B
I B
I D
E AC
E BC
E DC
E ABC
E ACD

SOLUTION LEGEND

Solution / Scale Code		Solution Description	Scale Description
A	0	Tandy Commercial	No Action
A	1	Tandy Commercial	Acquire Tandy Commercial

B	0	Tandy East	No Action
B	1	Tandy East	Acquire Tandy East
C	0	Tandy West	No Action
C	1	Tandy West	Acquire Tandy West
D	0	Tandy Lower East	No Action
D	1	Tandy Lower East	Acquire Tandy Lower East
E	0	Erosion Control	No Action
E	1	Erosion Control	Erosion control
F	0	Perimeter Fencing	No Action
F	1	Perimeter Fencing	Perimeter fencing
G	0	Slab and parking remove & repa	No Action
G	1	Slab and parking remove & repa	Remove slab and parking and repair
H	0	Invasion control grasslands	No Action
H	1	Invasion control grasslands	Control grassland invasion
I	0	Invasion control understory	No Action
I	1	Invasion control understory	Control understoruy invasion

Incremental Cost Of Best Buy Plan Combinations (Ordered By Output)

Scenario: Tandy Increm

Counter	Plan Code	AAHUs (AAHUs)	Costs (Costs)	Avg. Cost Costs / AAHUs	Inc. Cost (Costs)	Inc. Output (AAHUs)	Incremental Cost Per Output
1	A0 B0 C0 D0 E0 F0 G0 H0 I0	0.00	0.00	0.0000	0.0000	0.0000	0
2	A0 B1 C0 D0 E0 F1 G0 H1 I1	71.44	184,743.00	2,585.9880	184,743.0000	71.4400	2585.988
3	A0 B1 C1 D0 E1 F1 G0 H1 I1	113.56	328,031.00	2,888.6140	143,288.0000	42.1200	3401.899
4	A1 B1 C1 D0 E1 F1 G1 H1 I1	127.00	384,066.00	3,024.1420	56,035.0000	13.4400	4169.271

COST EFFECTIVENESS AND INCREMENTAL ANALYSIS
SUMMARY SHEETS
FOR
OVERALL RIVERSIDE OXBOW

SCENARIO STATISTICS

04/04/2003 5:33 PM

SCENARIO: Oxbow Overall Riverside Oxbow Overall Analysis

FILE: C:\IWRPLAN\Data\RO Overall.mdb

COST VARIABLE: Costs Annualized First Costs **SENSITIVITY:** Expected

OUTPUT VARIABLE: AAHUs Average Annual Habitat Units **SENSITIVITY:** Expected

CREATED: 4/4/2003 5:29:00 PM **EDITED:** **ANALYZED:** 4/4/2003 5:29:00 PM

POSSIBLE COMBINATIONS: 15,728,640 **COST EFFECTIVE:** 162

ACTUAL COMBINATIONS: 162 **BEST BUY:** 11

CONSTRAINT GROUP: NONE

EXCLUDED SOLUTIONS

DERIVED VARIABLES

DEPENDENCY / NON-COMBINABILITY

Dependency	Non-Combinability
N A	B
N B	C
N C	D
N D	E

N E
N F
N G
N H
N I
N J
N K
N L
A
B
C
D
E
F
G
H
I
J
K
L
F
G
H
I
J
K
L
B A
B C
B D
B E
B F
B G
B H
B I
B J
B K
B L
C A
C B
C D
C E
C F
C G
C H
C I
C J
C K
C L
D A
D B
D C
D E
D F

D G
D H
D I
D J
D K
D L
E A
E B
E C
E D
E F
E G
E H
E I
E J
E K
E L
F A
F B
F C
F D
F E
F G
F H
F I
F J
F K
F L
A
B
C
D
E
F

H
I
J
K
L
H A
H B
H C
H D
H E
H F
H G
H I
H J
H K
H L
I A
I B
I C
I D
I E
I F
I G
I H
I J
I K
I L
J A
J B
J C
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J H
J I
J K
J L
K A
K B
K C
K D
K E
K F
K G
K H
K I
K J
K L
L A
L B
L C
L D
L E
L F
L G
L H
L I
L J
L K

SOLUTION LEGEND

Solution / Scale Code		Solution Description	Scale Description
A	0	Water Flow Combination	No Action
A	1	Water Flow Combination	Up culv, weir up, Beach culv
B	0	Water Flow Combination	No Action
B	1	Water Flow Combination	Up culv, Weir Beach, Beach culv
C	0	Water Flow Combination	No Action
C	1	Water Flow Combination	Up culv, Weir conflu, Beach culv
D	0	Water Flow Combination	No Action
D	1	Water Flow Combination	Up culv, Weir up, Beach bridge
E	0	Water Flow Combination	No Action
E	1	Water Flow Combination	Up culv, Weir Beach, Beach bridge
F	0	Water Flow Combination	No Action
F	1	Water Flow Combination	Up culv, Weir conflu, Beach bridge
G	0	Water Flow Combination	No Action
G	1	Water Flow Combination	Remove plug, Weir up, Beach culv
H	0	Water Flow Combination	No Action
H	1	Water Flow Combination	Remove plug, Weir Beach, Beach culv
I	0	Water Flow Combination	No Action
I	1	Water Flow Combination	Remove plug, Weir conflu, Beach culv
J	0	Water Flow Combination	No Action
J	1	Water Flow Combination	Remove plug, Weir up, Beach bridge
K	0	Water Flow Combination	No Action
K	1	Water Flow Combination	Remove plug, Weir Beach, Beach bridge
L	0	Water Flow Combination	No Action
L	1	Water Flow Combination	Remove plug, Weir conflu, Beach bridge
N	0	OXN restore North Pond area	No Action
N	1	OXN restore North Pond area	OXN North Pond restoration
O	0	OXC Restoration	No Action
O	1	OXC Restoration	OXC restoration
P	0	OXS Restoration	No Action
P	1	OXS Restoration	OXS restoration

Q	0	GWS Restoration	No Action
Q	1	GWS Restoration	GWS restoration
R	0	GWC Restoration	No Action
R	1	GWC Restoration	GWC restoration
S	0	GWE Restoration	No Action
S	1	GWE Restoration	GWE restoration
T	0	GWB Restoration	No Action
T	1	GWB Restoration	GWB wetland, grass/mottes
T	2	GWB Restoration	GWB wetland, plants, control, grass/mo
T	3	GWB Restoration	GWB wetland, plants, control, supply, gr
T	4	GWB Restoration	GWB wetland, plants, control, supply, ro
U	0	Tandy Restoration	No Action
U	1	Tandy Restoration	Tandy East restoration
U	2	Tandy Restoration	Tandy East and West restoration
U	3	Tandy Restoration	Tandy All restoration
M	0	OXN North Pond Restoration	No Action
M	1	OXN North Pond Restoration	OXN 50' native grass buffer
M	2	OXN North Pond Restoration	OXN 100' native grass buffer

Counter	Plan Code	AAHUs	Costs
1	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P0Q0R0 S0T0U0M0	0	0
2	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P0Q0R0 S1T0U0M0	109.97	104463
3	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P0Q0R1 S0T0U0M0	20.75	25265
4	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P0Q0R1 S1T0U0M0	130.72	129728
5	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P0Q1R0 S0T0U0M0	33.11	32368
6	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P0Q1R0 S1T0U0M0	143.08	136831
7	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P0Q1R1 S0T0U0M0	53.86	57633
8	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P0Q1R1 S1T0U0M0	163.83	162096

Counter	Plan Code	AAHUs	Costs
9	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P0Q1R1 S1T4U0M0	255.76	277570
10	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q0R0 S0T0U0M0	17.02	15617
11	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q0R0 S1T0U0M0	126.99	120080
12	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q0R1 S0T0U0M0	37.77	40882
13	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q0R1 S1T0U0M0	147.74	145345
14	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R0 S0T0U0M0	50.13	47985
15	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R0 S1T0U0M0	160.1	152448
16	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R0 S1T2U0M0	245.2	261635

Counter	Plan Code	AAHUs	Costs
17	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R0 S1T3U0M0	248.25	265532
18	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R0 S1T4U0M0	252.03	267922
19	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R1 S0T0U0M0	70.88	73250
20	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R1 S1T0U0M0	180.85	177713
21	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R1 S1T2U0M0	265.95	286900
22	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R1 S1T3U0M0	269	290797
23	A0B0C0D0E0F0G0H0I 0J0K0L0N0O0P1Q1R1 S1T4U0M0	272.78	293187
24	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q0R0 S0T0U0M0	60.56	66005

Counter	Plan Code	AAHUs	Costs
25	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q0R0 S1T0U0M0	170.53	170468
26	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q0R0 S1T3U0M0	258.68	283552
27	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q0R0 S1T4U0M0	262.46	285942
28	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q0R1 S0T0U0M0	81.31	91270
29	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q0R1 S1T0U0M0	191.28	195733
30	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q0R1 S1T4U0M0	283.21	311207
31	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q1R0 S0T0U0M0	93.67	98373
32	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q1R0 S1T0U0M0	203.64	202836

Counter	Plan Code	AAHUs	Costs
33	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q1R0 S1T2U0M0	288.74	312023
34	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q1R0 S1T3U0M0	291.79	315920
35	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q1R0 S1T4U0M0	295.57	318310
36	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q1R1 S1T0U0M0	224.39	228101
37	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P0Q1R1 S1T4U0M0	316.32	343575
38	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q0R0 S0T0U0M0	77.58	81622
39	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q0R0 S1T0U0M0	187.55	186085
40	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q0R0 S1T3U0M0	275.7	299169

Counter	Plan Code	AAHUs	Costs
41	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q0R0 S1T4U0M0	279.48	301559
42	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q0R1 S1T0U0M0	208.3	211350
43	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q0R1 S1T3U0M0	296.45	324434
44	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q0R1 S1T4U0M0	300.23	326824
45	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S0T0U0M0	110.69	113990
46	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T0U0M0	220.66	218453
47	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T2U0M0	305.76	327640
48	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T3U0M0	308.81	331537

Counter	Plan Code	AAHUs	Costs
49	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T4U0M0	312.59	333927
50	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q1R1 S1T0U0M0	241.41	243718
51	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q1R1 S1T2U0M0	326.51	352905
52	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q1R1 S1T3U0M0	329.56	356802
53	A0B0C0D0E0F0G0H0I 0J0K0L0N0O1P1Q1R1 S1T4U0M0	333.34	359192
54	A0B0C0D0E0F0G0H0I 0J0K0L1N1O0P1Q1R0 S1T3U0M2	336.36	411822
55	A0B0C0D0E0F0G0H0I 0J0K0L1N1O0P1Q1R0 S1T4U0M2	340.14	414212
56	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T2U0M0	364.8	442773

Counter	Plan Code	AAHUs	Costs
57	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T2U0M2	393.87	473930
58	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T2U1M0	439.24	634695
59	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T2U1M2	468.31	665852
60	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T2U2M2	507.43	815014
61	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T3U0M2	396.92	477827
62	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T3U1M2	471.36	669749
63	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T3U2M2	510.48	818911
64	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T4U0M0	371.63	449060

Counter	Plan Code	AAHUs	Costs
65	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T4U0M2	400.7	480217
66	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T4U1M0	446.07	640982
67	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T4U1M2	475.14	672139
68	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R0 S1T4U2M2	514.26	821301
69	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T2U0M2	414.62	499195
70	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T2U1M2	489.06	691117
71	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T2U2M2	528.18	840279
72	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T2U3M2	541.62	898423

Counter	Plan Code	AAHUs	Costs
73	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T3U0M2	417.67	503092
74	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T3U1M2	492.11	695014
75	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T3U2M2	531.23	844176
76	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T3U3M2	544.67	902320
77	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T4U0M2	421.45	505482
78	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T4U1M2	495.89	697404
79	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T4U2M2	535.01	846566
80	A0B0C0D0E0F0G0H0I 0J0K0L1N1O1P1Q1R1 S1T4U3M2	548.45	904710

Counter	Plan Code	AAHUs	Costs
81	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T3U0M0	358.15	436551
82	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T3U0M2	387.22	467708
83	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T3U1M0	432.59	628473
84	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T3U1M2	461.66	659630
85	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T3U2M2	500.78	808792
86	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T4U0M0	361.93	438941
87	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T4U0M2	391	470098
88	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T4U1M0	436.37	630863

Counter	Plan Code	AAHUs	Costs
89	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T4U1M2	465.44	662020
90	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R0 S1T4U2M2	504.56	811182
91	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R1 S1T3U0M2	407.97	492973
92	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R1 S1T3U1M2	482.41	684895
93	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R1 S1T3U2M2	521.53	834057
94	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R1 S1T4U0M2	411.75	495363
95	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R1 S1T4U1M2	486.19	687285
96	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R1 S1T4U2M2	525.31	836447

Counter	Plan Code	AAHUs	Costs
97	A0B0C0D0E0F0G0H0I 1J0K0L0N1O1P1Q1R1 S1T4U3M2	538.75	894591
98	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U0M0	359.61	437817
99	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U0M2	388.68	468974
100	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U1M0	434.05	629739
101	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U1M2	463.12	660896
102	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U2M2	502.24	810058
103	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U0M0	363.39	440207
104	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U0M2	392.46	471364

Counter	Plan Code	AAHUs	Costs
105	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U1M0	437.83	632129
106	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U1M2	466.9	663286
107	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U2M2	506.02	812448
108	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R1 S1T3U0M2	409.43	494239
109	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R1 S1T3U1M2	483.87	686161
110	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R1 S1T3U2M2	522.99	835323
111	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R1 S1T3U3M2	536.43	893467
112	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R1 S1T4U0M2	413.21	496629

Counter	Plan Code	AAHUs	Costs
113	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R1 S1T4U1M2	487.65	688551
114	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R1 S1T4U2M2	526.77	837713
115	A0B0C0D0E0F1G0H0I 0J0K0L0N1O1P1Q1R1 S1T4U3M2	540.21	895857
116	A0B0C1D0E0F0G0H0I 0J0K0L0N0O0P1Q1R1 S1T4U0M2	333.93	410292
117	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T2U0M0	337.84	413588
118	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T2U0M2	366.91	444745
119	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T2U1M2	441.35	636667
120	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T3U0M0	340.89	417485

Counter	Plan Code	AAHUs	Costs
121	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T3U0M2	369.96	448642
122	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T3U1M2	444.4	640564
123	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T4U0M0	344.67	419875
124	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T4U0M2	373.74	451032
125	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R0 S1T4U1M2	448.18	642954
126	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R1 S1T4U0M2	394.49	476297
127	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R1 S1T4U1M2	468.93	668219
128	A0B0C1D0E0F0G0H0I 0J0K0L0N0O1P1Q1R1 S1T4U2M2	508.05	817381

Counter	Plan Code	AAHUs	Costs
129	A0B0C1D0E0F0G0H0I 0J0K0L0N1O0P1Q1R1 S1T3U0M2	342.61	418115
130	A0B0C1D0E0F0G0H0I 0J0K0L0N1O0P1Q1R1 S1T4U0M2	346.39	420505
131	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P0Q1R0 S1T2U0M2	362.35	439341
132	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P0Q1R0 S1T2U1M2	436.79	631263
133	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P0Q1R0 S1T3U0M2	365.4	443238
134	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P0Q1R0 S1T3U1M2	439.84	635160
135	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P0Q1R0 S1T4U0M2	369.18	445628
136	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P0Q1R0 S1T4U1M2	443.62	637550

Counter	Plan Code	AAHUs	Costs
137	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T2U0M0	350.3	423801
138	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T2U0M2	379.37	454958
139	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T2U1M0	424.74	615723
140	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T2U1M2	453.81	646880
141	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U0M0	353.35	427698
142	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U0M1	365.73	444556
143	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U0M2	382.42	458855
144	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U1M0	427.79	619620

Counter	Plan Code	AAHUs	Costs
145	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U1M1	440.17	636478
146	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U1M2	456.86	650777
147	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T3U2M2	495.98	799939
148	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U0M0	357.13	430088
149	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U0M1	369.51	446946
150	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U0M2	386.2	461245
151	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U1M0	431.57	622010
152	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U1M1	443.95	638868

Counter	Plan Code	AAHUs	Costs
153	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U1M2	460.64	653167
154	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R0 S1T4U2M2	499.76	802329
155	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R1 S1T3U0M0	374.1	452963
156	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R1 S1T3U0M2	403.17	484120
157	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R1 S1T3U1M0	448.54	644885
158	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R1 S1T3U1M2	477.61	676042
159	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R1 S1T3U2M2	516.73	825204
160	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R1 S1T4U0M2	406.95	486510

Counter	Plan Code	AAHUs	Costs
161	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R1 S1T4U1M2	481.39	678432
162	A0B0C1D0E0F0G0H0I 0J0K0L0N1O1P1Q1R1 S1T4U2M2	520.51	827594

INPUT DATA

CODE	AAHUs	Costs
A 0	0	0
A 1	26.77	84114
B 0	0	0
B 1	30.38	87530
C 0	0	0
C 1	32.08	85948
D 0	0	0
D 1	33.21	94233
E 0	0	0
E 1	35.74	96067
F 0	0	0
F 1	38.34	96067
G 0	0	0
G 1	31.15	94801
H 0	0	0
H 1	34.26	96383
I 0	0	0
I 1	36.88	94801
J 0	0	0
J 1	36.77	104920

INPUT DATA

CODE	AAHUs	Costs
K 0	0	0
K 1	38.78	104920
L 0	0	0
L 1	46.58	104920
M 0	0	0
M 1	12.38	16858
M 2	29.07	31157
N 0	0	0
N 1	12.46	10213
O 0	0	0
O 1	60.56	66005
P 0	0	0
P 1	17.02	15617
Q 0	0	0
Q 1	33.11	32368
R 0	0	0
R 1	20.75	25265
S 0	0	0
S 1	109.97	104463
T 0	0	0

INPUT DATA

CODE	AAHUs	Costs
T 1	70.74	97605
T 2	85.1	109187
T 3	88.15	113084
T 4	91.93	115474
U 0	0	0
U 1	74.44	191922
U 2	113.56	341084
U 3	127	399228

SCENARIO STATISTICS

04/04/2003 5:32 PM

SCENARIO: Oxbow Overall Riverside Oxbow Overall Analysis

FILE: C:\IWRPLAN\Data\RO Overall.mdb

COST VARIABLE: Costs Annualized First Costs **SENSITIVITY:** Expected

OUTPUT VARIABLE: AAHUs Average Annual Habitat Units **SENSITIVITY:** Expected

CREATED: 4/4/2003 5:29:00 PM **EDITED:** **ANALYZED:** 4/4/2003 5:29:00 PM

POSSIBLE COMBINATIONS: 15,728,640 **COST EFFECTIVE:** 162

ACTUAL COMBINATIONS: 162 **BEST BUY:** 11

CONSTRAINT GROUP: NONE

EXCLUDED SOLUTIONS

DERIVED VARIABLES

DEPENDENCY / NON-COMBINABILITY

Dependency	Non-Combinability
N A	B
N B	C
N C	D

N D
N E
N F
N G
N H
N I
N J
N K
N L
A
B
C
D
E
F
G
H
I
J
K
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F
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I
J
K
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B A
B C
B D
B E
B F
B G
B H
B I
B J
B K
B L
C A
C B
C D
C E
C F
C G
C H
C I
C J
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H D
H E
H F
H G
H I
H J
H K
H L
I A
I B
I C
I D
I E
I F
I G
I H
I J
I K
I L
J A
J B
J C
J D
J E
J F

J G
J H
J I
J K
J L
K A
K B
K C
K D
K E
K F
K G
K H
K I
K J
K L
L A
L B
L C
L D
L E
L F
L G
L H
L I
L J
L K

SOLUTION LEGEND

Solution / Scale Code		Solution Description	Scale Description
A	0	Water Flow Combination	No Action
A	1	Water Flow Combination	Up culv, weir up, Beach culv

B	0	Water Flow Combination	No Action
B	1	Water Flow Combination	Up culv, Weir Beach, Beach culv
C	0	Water Flow Combination	No Action
C	1	Water Flow Combination	Up culv, Weir conflu, Beach culv
D	0	Water Flow Combination	No Action
D	1	Water Flow Combination	Up culv, Weir up, Beach bridge
E	0	Water Flow Combination	No Action
E	1	Water Flow Combination	Up culv, Weir Beach, Beach bridge
F	0	Water Flow Combination	No Action
F	1	Water Flow Combination	Up culv, Weir conflu, Beach bridge
G	0	Water Flow Combination	No Action
G	1	Water Flow Combination	Remove plug, Weir up, Beach culv
H	0	Water Flow Combination	No Action
H	1	Water Flow Combination	Remove plug, Weir Beach, Beach culv
I	0	Water Flow Combination	No Action
I	1	Water Flow Combination	Remove plug, Weir conflu, Beach culv
J	0	Water Flow Combination	No Action
J	1	Water Flow Combination	Remove plug, Weir up, Beach bridge
K	0	Water Flow Combination	No Action
K	1	Water Flow Combination	Remove plug, Weir Beach, Beach bridge
L	0	Water Flow Combination	No Action
L	1	Water Flow Combination	Remove plug, Weir conflu, Beach bridge
N	0	OXN restore North Pond area	No Action
N	1	OXN restore North Pond area	OXN North Pond restoration
O	0	OXC Restoration	No Action
O	1	OXC Restoration	OXC restoration
P	0	OXS Restoration	No Action
P	1	OXS Restoration	OXS restoration
Q	0	GWS Restoration	No Action
Q	1	GWS Restoration	GWS restoration
R	0	GWC Restoration	No Action
R	1	GWC Restoration	GWC restoration
S	0	GWE Restoration	No Action
S	1	GWE Restoration	GWE restoration

T	0	GWB Restoration	No Action
T	1	GWB Restoration	GWB wetland, grass/mottes
T	2	GWB Restoration	GWB wetland, plants, control, grass/mo
T	3	GWB Restoration	GWB wetland, plants, control, supply, gr
T	4	GWB Restoration	GWB wetland, plants, control, supply, ro
U	0	Tandy Restoration	No Action
U	1	Tandy Restoration	Tandy East restoration
U	2	Tandy Restoration	Tandy East and West restoration
U	3	Tandy Restoration	Tandy All restoration
M	0	OXN North Pond Restoration	No Action
M	1	OXN North Pond Restoration	OXN 50' native grass buffer
M	2	OXN North Pond Restoration	OXN 100' native grass buffer

Incremental Cost Of Best Buy Plan Combinations (Ordered By Output)

Scenario: Oxbow Overa

Counter	Plan Code	AAHUs (AAHUs)	Costs (Costs)	Avg. Cost Costs / AAHUs	Inc. Cost (Costs)	Inc. Output (AAHUs)	Incremental Cost Per Output
1	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L0 N0 O0 P0 Q0 R0 S0 T0 U0 M0	0.00	0.00	0.0000	0.0000	0.0000	0
2	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L0 N0 O0 P1 Q0 R0 S0 T0 U0 M0	17.02	15,617.00	917.5676	15,617.0000	17.0200	917.5676
3	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L0 N0 O0 P1 Q0 R0 S1 T0 U0 M0	126.99	120,080.00	945.5862	104,463.0000	109.9700	949.9227
4	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L0 N0 O0 P1 Q1 R0 S1 T0 U0 M0	160.10	152,448.00	952.2049	32,368.0000	33.1100	977.5898
5	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L0 N0 O1 P1 Q1 R0 S1 T0 U0 M0	220.66	218,453.00	989.9982	66,005.0000	60.5600	1089.911
6	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L0 N0 O1 P1 Q1 R1 S1 T0 U0 M0	241.41	243,718.00	1,009.5610	25,265.0000	20.7500	1217.59
7	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L0 N0 O1 P1 Q1 R1 S1 T4 U0 M0	333.34	359,192.00	1,077.5540	115,474.0000	91.9300	1256.108
8	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L1 N1 O1 P1 Q1 R1 S1 T4 U0 M2	421.45	505,482.00	1,199.3880	146,290.0000	88.1100	1660.311
9	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L1 N1 O1 P1 Q1 R1 S1 T4 U1 M2	495.89	697,404.00	1,406.3680	191,922.0000	74.4400	2578.211
10	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L1 N1 O1 P1 Q1 R1 S1 T4 U2 M2	535.01	846,566.00	1,582.3370	149,162.0000	39.1200	3812.935

Incremental Cost Of Best Buy Plan Combinations (Ordered By Output)

Scenario: Oxbow Overa

Counter	Plan Code	AAHUs (AAHUs)	Costs (Costs)	Avg. Cost Costs / AAHUs	Inc. Cost (Costs)	Inc. Output (AAHUs)	Incremental Cost Per Output
11	A0 B0 C0 D0 E0 F0 G0 H0 I0 J0 K0 L1 N1 O1 P1 Q1 R1 S1 T4 U3 M2	548.45	904,710.00	1,649.5760	58,144.0000	13.4400	4326.19