DELTA CATFISH PRODUCTION Assumptions for 250-, 750- and 1,500-acre farms Using Multiple-Batch Stockings

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I. Primary Catfish Production Methods in Use in the MS Delta

A. Single batch production system - not done much and not used in these enterprise budgets.

- 12 batch production system not all ready in fall, so partial harvest (Atop off@) a couple
- of times before following June harvest and before then restock with fingerlings these methods may be practiced by 20-30% of delta catfish farmers
- **B.** Multiple-batch production system predominant production system in use and used here.
 - stock 5" fingerlings every spring at the rate of 7-10,000/acre
 - cluster around 7,500 fingerlings per acre
 - fixed restocking date every spring
 - maybe practiced by 75-80% of all delta catfish farmers

II. Assumptions for multiple-batch production system

A. Pond construction costs are included.

B. No off-flavor or other delays in harvesting are included, this is done in sensitivity analyses.

C. Stocking Rates

These rates will not change by farm-scale size. Fingerlings are stocked at 7,500 per acre <u>every</u> March or sometime between February and June each year. Fish are fed <u>once</u> a day.

Delta fingerling producers will be able to easily obtain 5" fingerlings. In this analysis, 5" fingerlings (30 lb/1,000 fish) stocked in March <u>every</u> year (fish sizes range from 3" - 7"). In a typical delivery of 5" fingerlings the size distribution may be similar to 60% of the fingerlings being in the 4-6" range, 20% may be in the 3-4" range, and 20% may be in the 6-7" range, giving a median size of 5". For this analysis, a narrower fingerling size distribution of 100% of the fingerlings being in the 4-6" range.

Fingerlings stocked in March will be raised to an average 1.5 lbs (minimum 1.25 lb) over a two year period. 30% of the fish will be harvested in May-June of the following year, 30% will be harvested the following August, 20% will be harvested the following November, and 20% will be harvested in March two years after being stocked. A 1.5% per month mortality is applied to all fish.

Obtaining fingerlings will vary depending on farm size:

- On a 250-acre farm, the operation will buy fingerlings

- On a 750-acre farm, the operation will either buy fingerlings and/or operate a hatchery. This size operation will typically buy fry and raise them to 5" fingerlings for stocking into growout ponds. Approximately 10% of total water acreage will be allocated for fry to 5" fingerling production.

- On a 1,500-acre farm, the operation will either buy fingerlings and/or operate a hatchery. At this size operation, a hatchery will be operated on-farm. Brood stock acreage will be approximately 60 acres, and acreage devoted to fry to 5" fingering production will be 150 water acres or 10% of total water acreage.

D. Mortality

The loss rate is approximately 25% over the total production cycle. A 1.5% mortality per month or 18% per year loss rate is used. In these enterprise budgets, the feed conversion ratio is less efficient than for larger-sized farms.

E. Feed Conversion Ratios (FCR)

The FCR is the ratio of feed fed to pounds of fish grown and may range between 2.2 and 2.4. As farm size increases there are more inefficiencies in feeding fish, therefore for these enterprise budget calculations, the FCR for each farm size will be:

- 2.2 for 250-acre farms,

- 2.3 for 750-acre farms, and

- 2.4 for 1,500 acre farms.

F. Other production inputs

1. Hydrated lime - for eradication of Ram=s Horn snail and breaking the pelican-snailcatfish biological life cycle of the trematode. The amount of lime applied per trematode application is based upon applying two treatments per year in locations where birds are a problem (near sloughs, etc.) and at least 1 time per year in other locations.

Trematode Treatment Methods:

a) Lime slurry: it costs approximately \$15/acre to treat with a lime slurry; however you must buy a truck load at a time, which is a 2,500 gallon minimum. One truckload costs \$2,500 and will treat approximately 160 acres.

b) Copper sulfate: it costs approximately \$9/acre to treat with copper sulfate and is the treatment used in this analysis. The advantage of using copper sulfate is that the farmer can make up a rig to apply the copper sulfate any time. Copper sulfate treatments for snails is applied at 10 pounds per 250 feet of levee. Treatments are applied in May when only 1 treatment is used. In areas frequently visited by white pelican, two treatments are used and are applied in April and July/August.

Other than for trematode treatment, no lime is required for Delta catfish culture as the alkalinity is sufficiently high naturally.

2. Salt - initially added to ponds at a rate of two tons per year and at the rate of one ton per year thereafter. This is done to maintain chloride levels at _____ which helps keep catfish healthy.

3. Water pumping - required to initially fill the pond. The average pond in the delta is now approximately 12 water surface acres having a 15-year life. The average pond depth is 3' in the shallow end and 5' in the deep end, averaging 4 feet. Thus, 48 acre-feet of water are required to initially fill the pond. Relatively shallow wells tap into the underlying aquifer to supply this water.

During summer, evaporation losses are high and the pond water level is maintained by pumping 34" of water to make up for evaporation losses. Well operation costs are based on the January 1996 MAFES Bulletin Number 1039, ARice Water Use and Costs@ that provide operating costs for acre-inch of well pumping for rice field irrigation. These costs should apply for aquaculture as well as the same well depths into the same aquifer is being used.

The well operation average variable cost per acre-inch of water is:

- \$1.54 per acre-inch using electricity powered well pumps. For example, 36 inches of pumped water multiplied by 1.54 = 55.44 per 3 acre-feet of pumped water multiplied by a 12-acre pond surface area = \$665.28 to replace evaporation losses for one 12-acre pond.

- \$1.81 per acre-inch using diesel powered well pumps and would cost \$782 per pond. For these enterprise budget estimations, electric water pumps are used. There is 1 well for every 6-7 ponds or 1 well for every 60-80 water acres, therefore for the 250-acre farm there are 4 wells.

4. Off-flavor prevention - either copper sulfate or diuron is used to control blue-green algae that can produce off-flavor in catfish. Off-flavor prevents fish from being harvested, which causes additional time and money to be spent raising the fish, so efforts to reduce off-flavor are tried.

a. One to two treatments per acre per year of copper sulfate is applied to obtain a 1.5 ppm dose. It is applied at a 4.2 lb/acre-foot of water multiplied by 4' average pond depth (= 16.8 lb/surface acre), multiplied by 1.5 treatments per acre per year to get a 25.2 lb/acre/year application amount.

- b. Diuron usage calculations
 - 0.5 ounce per acre ft of water
- <u>x 48.</u> acre-ft of water in 12-acre (avg 4' depth) pond
 - 24. ounces of diuron applied per pond, per treatment
- x 5.83 diuron treatments per pond in the Mississippi Delta (Hanson, MAFES Bulletin No. 1101, March 2001)
- = 139.92 ounces applied per pond/year
 - $\underline{x \ 250}$ acres of water
- = 34,980 ounces applied) 16 ounces in 1 lb
- = 2186.25 lbs of diuron used
 - <u>) 4</u> lb bag of diuron
- = 547 bags<u>x \$24 per 4 lb bag of diuron</u>
- = \$ 13,118 cost of diuron to treat all ponds

which is \$52 per acre-foot of application. Applications in this analysis are made once in June, 4 times in July and once in August at weekly intervals.

5. Aeration - needed to manage water quality and specifically to maintain dissolved oxygen levels above 4 ppm. Aeration will differ by farm size. Most farms use fixed electrical 10-hp aerators with additional tractor powered PTO paddlewheels that are mobile and can be transported to any pond in critical need. Diesel generator usage occurs, but is more dependent on farm location than farm size, i.e., in areas where electricity continuity is in doubt. Electric aeration is used by approximately 90% of delta farmers, with diesel generated aeration electricity being used by the remaining 10% of the farmers (mainly by a small number of larger farm operations).

It is approximated that 60 - 70% of all delta catfish farmers use one 10-hp fixed aerator plus one tractor back-up paddewheel aerator per 12-acre pond. Furthermore, it is approximated that 30 - 40% of delta catfish operations use two 10-hp aerators plus one tractor back-up paddlewheel aerator per pond.

A general rule-of-thumb is that a fixed 10-hp electric aerator will support 30,000 lb of catfish and a good tractor-driven sidewinder paddlewheel aerator will also support approximately 30,000 lb of fish. One study showed an average of 640 - 720 hours of aeration per pond per year was required to maintain proper dissolved oxygen levels (REFERENCE). An Arkansas Yield Verification study reported 117 hours/acre/year of electric aeration plus 13.5 hours per acre year of emergency tractor-driven aeration for an 11 acre pond stocked at 7,275 fish per acre.

In this analysis, aeration is being applied at the rate of 600 hours of fixed electrical aeration plus 300 hours of emergency tractor-driven aeration per pond. No aeration is applied during the months of January, February, March, and December. Electrical aeration is applied as follows: one week in April and November, two weeks in October, three weeks in May and September, and four weeks in June, July and August. Tractor-driven aeration is applied equally in July and August for four weeks.

6. Fuel and Lubricants - (gasoline, diesel, lubricants, electricity) - Gasoline consumed by trucks is estimated based on mileage driven per year. The price of gasoline used in this analysis is \$0.85/gallon.

- It was estimated that 4,652 gallons of gasoline was used for feeding fish (x 0.85/gallon = 3.954).

- It was estimated that 7,500 gallons of gas is used annually in the 250-acre operation for transportation (x 0.85/gallon = 6,375).

- It was estimated that 240 gallons of gas is used for boating activities during fish harvesting (x 0.85/gallon = 204).

- Diesel consumption is at the rate of 3.4 gal/hr for 45-65 hp tractor (per hour of PTO-driver aerator usage). Diesel fuel cost \$1.05/gallon for this analysis.

- It was estimated that 5,528 gallons of diesel fuel was used for tractor-driven PTO aeration (x 1.05 per gallon of diesel fuel = 5,804).

- It was estimated that 651 gallons of diesel fuel was used for mowing grass on levees (x \$1.05 per gallon of diesel fuel = \$684).

- Oil/Grease used to maintain trucks, tractors, aerators, mowers, etc.

- Electricity is used for aeration and well pumping.

- a 10-hp electric aerator uses 8.47 kwh/hr of operation (Keenum & Waldrop, 1988, Appendix Table 16), for example, aeration electricity charges are calculated by multiplying 8.47

kwh/hr of 10-hp aerator operation times $\underline{\$0.11 \text{ per }}$ kw/hr of electricity = \$0.72 per hour of electrical aerator operation,

- a 60-hp electric-powered well pump uses 50.85 kwh/hr of operation Note: electrical utilities also have a per electrical meter charge as well as the cost of electricity. For this analysis, there is one electrical meter for every four ponds, therefore for the@

- 250-acre farm having 21 ponds (20 12-acre plus one irregular pond of 10-acres) would have 5 electrical meters.

7. Labor requirements - number of employees vary by farm size.

Diversification of farm operations is the goal of delta catfish farms in the 100 - 120 acre size range and requires 1 manager plus 1 worker. Probably 10-15% of all delta catfish farms are less than 250 acres - this size operation would use custom harvesting. Most delta catfish farms are greater than 250 water acres.

a) For a 250-acre farm, labor would be arranged as follows:

- 1 manager that does the catfish feeding,

- 2 night men, who alternate monitoring dissolved oxygen levels,

- 5 people for levee grass mowing and seine harvesting of fish (no custom harvest at this size farm and thus only a 0.015 per pound transport expense is charged by the processing company). Alternating d.o. monitoring implies the two men are needed to cover 7 days and all hours or 40 hours per person during summer hours, i.e., 10 hrs/night x 7 days = 70 hours. These workers hours are less during the winter when aeration is not a problem and they would help with seining or chasing birds.

b) For a 750-acre farm, that is contiguous, labor would be arranged as follows:

- 1 manager,

- 1 assistant manager who will do fish feeding,

- 4 night men to monitor dissolved oxygen levels,

- 7 people for levee grass mowing and seine harvesting of fish, and
- 1 bookkeeper.

c) For a 1,500-acre farm, that is not contiguous, labor would be arranged as follows:

- 1 manager,
- 1 assistant manager who will do fish feeding,
- 2 full-time harvest seine crews (5 people per crew) with 1 of the 10 being an assistant manager,
- 2-3 feeders (1 will be manager and 1 will be an assistant manager),
- 1 shop foreman who will have 1 helper,
- 4 night men to monitor dissolved oxygen levels, and
- 1 bookkeeper/secretary position.

Labor compensation rates used in developing the 250-acre Mississippi Delta catfish farm

- \$35,000 per year for a manager feeding and running the d.o. crew,
- \$25,000 per year for a foreman who is in charge of fish harvesting, other seining, mowing and levee grading,
- \$15,000 18,000 for seining and mowing personnel, and
- \$18,000 for each person in the d.o. monitoring crew.

8. Bird predation - from mid November to Mid-March double crested cormorants, white pelicans, and other birds migrate into the Mississippi delta region of aquaculture production and consume a tremendous amount of fish. Additional labor activities during these months include bird chasing, placing pyrotechnics, and shooting of birds (with proper permits).

G. Equipment (see table of pond construction, equipment and machinery costs).

H. Pond configurations - ponds that have been built in the last 5 - 10 years are generally smaller than in the 1970's and 1980's. The average size pond now is approximately 12 water surface acres.

- A 250-water acre pond will have: 20 12-acre ponds plus 1 10-acre pond. A 12-acre pond will be approximately 518 ft width x 1,045 ft length (3,126 feet circumference (outside dimension). The main levee will have a 25' wide crown, and 18' will be graveled. The cross levees will have 18' crowns.

Only 18' of the main levee width will be covered with gravel. (Gravel computation: 518' x 10 ponds = 5,180' + 200' for ramps = 5,380' of levee needing gravel. A 6" gravel depth is used. Running gravel levee 18' of gravel on 25' levee = 48,420 cubic feet divided by 27 cubic feet per cubic yard = 1,793 cubic yards divided by 22 cubic yards = 81.5 truckloads of gravel needed multiplied by \$130 per truckload = \$10,597 for graveling the main levee.

Calculations for main levee gravel cost:

are.

5,380 ft 18' wide and 6" deep =	$48,420 \text{ ft}^3$
cost \$13,000) <u>27 ft³</u>
	$1,793 \text{ yd}^3$
22 cu yd/truck load) 22 yd^3
\$130 per load	81.5
	<u>x 130</u>
	\$10,597

Assumptions for a 250-acre Catfish Farm located in the Delta of MS, 2001.

Farm Size

250 acre of water surface area for grow-out

Feed Price

\$

- 210 per ton for feed in a grow-out phase
 - 15 25 months to grow 5" fingerlings (ranging in size from 4" 6") to 1.5 lb harvest-sized fish Approximately 30% of the fish will be harvested in May-June (Year 2) in the year after stocking another 30% will be harvested the following August of Year 2, another 20% in November Year 2 and the remaining 20% will be harvested in March (Year 3) two years after initial stocking.

Harvest-Fish Info

- 0.7 \$/lb food fish; FARMER NETS \$ 0.69 AFTER FISH TRANSPORTATION COSTS
 - 0.69 AFTER FISH TRANSPORTATION COSTS NO CHARGE FOR HARVESTING AS IT IS DONE ON-FARM
- 1.5 lb fish final weight
- 2.30 feed conversion rate (lbs feed fed to lbs of fish harvested)
- 1.5% monthly mortality rate

Fingerling Info Fingerlings are stocked every March over the entire farm water acreage

- 0.05 price for 5" fingerling (4" to 6" range)
- 30 lb/1,000 5" fingerlings
- 7500 fingerlings per acre stocking rate

Harvest Info

0.000 Seine & harvest of food fish, \$/lb harvested

At the 250 acre farm size custom harvesting is not used as hired labor will do harvesting

0.015 \$/pound of fish transported

Interest Rates	
Long-term	10% per year
Medium-term	10% per year

5		•	
Medium-term	10%	per	year
Short-term	10%	per	year

Operating expense constants

- Repairs and Maintenance
- 27,210 per year
- 2,268 per month

35,000 Manager salary, \$/year see the labor spreadsheet for more details

- Hired labor, \$/year
- 25,000 Foreman
- 16,500 Labor for seining, mowing, grading and facilities maintenance
- 18,000 Night time labor for d.o. monitoring person, \$/year
 - 53 Salt, \$/ton
 - 15 Lime, \$/ton
 - 32 Copper sulfate, \$/50 lb bag
 - 24 Diuron, \$/4 lb bag
 - 9 \$ per diuron treatment, average of 5.83 treatments per pond
 - 600 Supplies & admin., \$50/month
 - 0.11 Electricity, per KWhr at off-peak rate
 - 92 Fuel & lubricants, \$/acre
 - 6.25 Insurance, \$/acre
- 2,500 Telephone, \$/year
- 2,400 Accounting/legal, \$/year
- 2,000 Bird chasing and ammunition, \$/year
 - 1.25 gasoline price for agriculture, \$/gallon
 - 1.05 diesel price, \$/gallon

Califan Budget for a 200-acre multip	ie-baten product	aon system in t	ne mississip	pi Deita, 2001.	-			
Acres	250							
Final weight, Ib	1.5							
Stocking rate, fingerlings/acre	7500							
Feed fed per pound of fish gain	2.30							
Price per lb of fish Price to seine harvest-sized fish,\$/lb		at this size ope	ration on-for	n lahor does s	einina			
Price to transport harvested fish,\$/lb	0.015		autori ori-rari	11 12001 2003 30	cining			
Begin weight, Ib/1,000	30							
Price of feed, \$/ton	\$ 210							
Electricity cost, \$/kw-hr	\$0.110							
Interest rates: Short-term	10%	Intermediate:	10%	Long-term:	10%			
Hired labor rate, \$/week	\$0							
Fingerling price, \$/each	0.05						_	
	Weight Each	Unit	Quantity	Price or Cost / unit	Value or Cost	Per Acre Value	Percent	
	Luon			ecot, and	0001	Value		
1. Gross Receipts								
Catfish sales	1.5	5 lb	1,322,920	0.70	926,044	3,704	2.87	5291.68
								2.87 = FCR
2. Variable Costs								7.5944 tons per acre per year
Feed, food fish		ton	1,899	210	398,706	1,595	47%	
Labor Management		year	1	35,000	35,000	140	4%	
Hired labor, at various wages		year year	1	35,000 varies	35,000	140 436	4%	
Fingerlings		each	1,875,000	0.050	93,750	436	13%	
Transport of harvested fish /1		lb	1,322,920	0.050	19,844	375 79	2%	
Fuel & lubricants			.,022,020	0.015	13,044	15	2 /6	
Diesel		gal	22,332	1.05	23,449	94	3%	
Gasoline		gal	12,392	1.25	15,490	62	2%	
Electricity		-						
Aeration		10-hp hr	12,596	0.932	11,736	47	1%	
Meter charges		meter-month	60	35	2,100	8	0%	
Water pumping		acre	250	55.44	13,860	55	2%	
Repairs and Maintenance		month	12	2,268	27,210	109	3%	
Bird chasing		year	1	2,000	2,000	8	0%	
Chemicals								
Salt		ton	250	53 9	13,250	53 54	2% 2%	
Diuron, off-flavor control		trt/acre	1,500 250	9	13,500 2,250	54 9	2%	
Copper sulfate, trematode treat. Miscellaneous expenses		trt/acre per acre	250	25	2,250	25	0% 1%	
Interest on Operating Capital		dol	787,394	0.10	59,055	236	7%	
TOTAL VARIABLE COSTS		uui	101,354	0.10	846,449	3,386	100%	
3. Income Above Variable Cost					79,595	318		
					,			
4. Fixed Cost								
Land charge (not included)		dol	240,000	0.10	0	0	0%	
Machinery depreciation		dol			41,650	167	35%	
Pond depreciation		dol			26,173	105	22%	
Taxes (land)		acre	29	250	7,350	29	6%	
Interest on Pond Construction Costs		dol.&%	215,020	0.10	21,502	86	18%	
Interest on Equipment/Mach. Purchase	:5	dol &%	218,320	0.10	21,832	87	18%	
TOTAL FIXED COSTS					118,507	474	100%	
5. Overhead /2								
Telephone		month	12	208	2,500	10	27%	
Accounting/legal		year	1	2,400	2,400	10	26%	
Supplies and Administrative		year	1	600	600	2	6%	
Office supplies		year	1	600	600	2	6%	
Insurance, general liability		acre	250	6.25	1,563	6	17%	
Insurance on equipment, machinery		dol/\$	436,640	0.004	1,747	7	19%	
TOTAL OVERHEAD COSTS					9,409	38	100%	
6. Total of All Specified Expenses					974,365	3,897		
7. Net Returns Above All Specified	Expenses /3				-48,321	-193		
Net Deturne Der Comm	Above Country	Verieki - O - ·			0/1	046		
Net Returns Per Acre:	Above Specified Above Specified		5		318 -193	318 -193		
	Anove Specified	i otai costs			-193	-193		
Breakeven Price:	To Cover Specif	ied Variable Ex	penses		0.64	0.64		
	To Cover Specif	ied Total Exper	ISES		0.74	0.74		

Catfish budget for a 250-acre multiple-batch production system in the Mississippi Delta, 2001.

 December Price:
 To Cover Specified Variable Expenses
 0.64
 0.64

 To Cover Specified Variable Expenses
 0.74
 0.74
 0.74

 // At this size operation on-farm labor will do the harvesting and only transportation costs apply.
 // 2
 // 2

 // 2 Overhead expenses include telephone, accounting, legal, supplies, administration, and insurance (general liability and equipment).
 // 3
 Labor and Management expenses have been included, but no expense has been included for land, therefore Net Returns to Land is represented by this budget.

Sensitivity Analysis - Estimated Net Returns Per Acre Above ALL Expenses At Varied Selling Price and Feed Price

	Pr	ice Received	for Catfish, \$	/lb			
Feed Price, \$/ton	0.55	0.60	0.65	0.70	0.75	0.80	0.85
190	-824	-559	-295	-30	235	499	764
200	-905	-641	-376	-112	153	493	682
210	-987	-722	-458	-193	71	488	600
220	-1,069	-804	-540	-275	-10	482	519
230	-1,150	-886	-621	-357	-92	476	437
240	-1,232	-967	-703	-438	-174	471	356
250	-1,314	-1,049	-784	-520	-255	465	274
260	-1,395	-1,131	-866	-601	-337	459	192
270	-1,477	-1,212	-948	-683	-419	454	111
280	-1,559	-1,294	-1,029	-765	-500	448	29
290	-1,640	-1,376	-1,111	-846	-582	442	-53
300	-1,722	-1,457	-1,193	-928	-663	437	-134
310	-1,803	-1,539	-1,274	-1,010	-745	431	-216

Sensitivity Analysis - Estimated Net Returns Per Acre Above Variable Expenses At Varied Selling Price and Feed Price

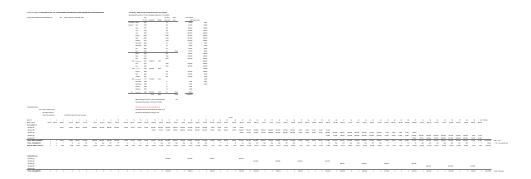
	Pri	ice Received f	or Catfish, \$/	lb			
Feed Price, \$/ton	0.55	0.60	0.65	0.70	0.75	0.80	0.85
190	-312	-48	217	482	746	1,011	1,275
200	-394	-129	135	400	665	1,005	1,194
210	-475	-211	54	318	583	999	1,112
220	-557	-292	-28	237	501	994	1,030
230	-639	-374	-109	155	420	988	949
240	-720	-456	-191	73	338	982	86
250	-802	-537	-273	-8	256	977	786
260	-884	-619	-354	-90	175	971	70-
270	-965	-701	-436	-171	93	965	62
280	-1,047	-782	-518	-253	11	960	54
290	-1,128	-864	-599	-335	-70	954	45
300	-1,210	-946	-681	-416	-152	948	37
310	-1,292	-1,027	-763	-498	-233	942	29

250-acre Multiple Batch Catfish Production System - Sensitivity Analysis Sensitivity Analysis - Estimated Net Returns Per Acre Above ALL Expenses At Varied Selling Price and Feed Price

	Price Received for Catfish, \$/lb												
Feed Price, \$/ton	0.55	0.6	0.65	0.7	0.75	0.8	0.85						
190	-824	-559	-295	-30	235	499	764						
200	-905	-641	-376	-112	153	493	682						
210	-987	-722	-458	-193	71	488	600						
220	-1,069	-804	-540	-275	-10	482	519						
230	-1,150	-886	-621	-357	-92	476	437						
240	-1,232	-967	-703	-438	-174	471	356						
250	-1,314	-1,049	-784	-520	-255	465	274						
260	-1,395	-1,131	-866	-601	-337	459	192						
270	-1,477	-1,212	-948	-683	-419	454	111						
280	-1,559	-1,294	-1,029	-765	-500	448	29						
290	-1,640	-1,376	-1,111	-846	-582	442	-53						
300	-1,722	-1,457	-1,193	-928	-663	437	-134						
310	-1,803	-1,539	-1,274	-1,010	-745	431	-216						

Sensitivity Analysis - Estimated Net Returns Per Acre Above Variable Expenses At Varied Selling Price and Feed Price

Price Received for Catfish, \$/Ib												
Feed Price, \$/ton	0.55	0.60	0.65	0.70	0.75	0.80	0.85					
190	-312	-48	217	482	746	1,011	1,275					
200	-394	-129	135	400	665	1,005	1,194					
210	-475	-211	54	318	583	999	1,112					
220	-557	-292	-28	237	501	994	1,030					
230	-639	-374	-109	155	420	988	949					
240	-720	-456	-191	73	338	982	867					
250	-802	-537	-273	-8	256	977	786					
260	-884	-619	-354	-90	175	971	704					
270	-965	-701	-436	-171	93	965	622					
280	-1,047	-782	-518	-253	11	960	541					
290	-1,128	-864	-599	-335	-70	954	459					
300	-1,210	-946	-681	-416	-152	948	377					
310	-1,292	-1,027	-763	-498	-233	942	296					



						Useful	Average	nual Avg.		erest on	Repairs as a		Annual
Item	Unit	<u>م</u>	ost/unit	Number	Cost	Life	Average Investment	 preciation /2	inv	estment /3	Percent of New Cost	•	oaris and ntenanco
A. Capital cost	Unit	U	ostrum	Number	CUSI	Life	mvestment	12		13	New Cost	IVIAI	Internatio
Land purchase (not included)	acre	\$	800	300	\$ 240,000			-	\$	24,000			
Pond construction	acre	\$	1,250	250	\$ 312,500	15	156,250	20,833	\$	15,625	10%	\$	2,083
Gravel	cu. yd.	\$	6	1790	\$ 10,740		5,370	\$ -	\$	537			
Well, 3,000 gpm, 60-hp electric motor	each	\$	15,360	5	\$ 76,800	20	38,400	\$ 3,840	\$	3,840	75%	\$	2,880
Shop, 30' x 50'	ea	\$	30,000	1	\$ 30,000	20	15,000	\$ 1,500	\$	1,500	10%	\$	150
Subtotal (excluding land cost)					\$ 430,040		\$ 215,020	\$ 26,173	\$	21,502		\$	5,113
B. Equipment													
Shop tools and equipment	ea	\$	10,000	1	\$ 10,000	10	5,000	\$ 1,000	\$	500	10%	\$	100
Trucks, 3/4 ton, 4WD	ea	\$	20,000	2	\$ 40,000	5	20,000	\$ 8,000	\$	2,000	45%	\$	3,600
Feed bin, 10 ton capacity	ea	\$	7,000	2	\$ 14,000	20	7,000	\$ 700	\$	700	10%	\$	70
Tractors, 45-65 hp	ea	\$	20,000	10	\$ 200,000	14	100,000	\$ 14,286	\$	10,000	75%	\$	10,714
Aerators, electric 10-hp /4	ea	\$	4,000	21	\$ 84,000	10	42,000	\$ 8,400	\$	4,200	50%	\$	4,200
PTO water pump, used	ea	\$	1,500	1	\$ 1,500	10	750	\$ 150	\$	75	45%	\$	68
PTO aerators	ea	\$	3,400	10	\$ 34,000	10	17,000	\$ 3,400	\$	1,700	25%	\$	850
Bush hog/mower, 6' side mount	ea	\$	6,940	1	\$ 6,940	10	3,470	\$ 694	\$	347	20%	\$	139
Pull-behind mower, 6' width	ea	\$	5,000	1	\$ 5,000	10	2,500	\$ 500	\$	250	20%	\$	100
Truck Mounted Feeder, 2-4 ton	ea	\$	7,500	1	\$ 7,500	10	3,750	\$ 750	\$	375	25%	\$	188
with electronic feeder scale, used			·		-								
DO meter and accessories	ea	\$	1,500	2	\$ 3,000	10	1,500	\$ 300	\$	150	202%	\$	606
Computer	ea	\$	1,500	1	\$ 1,500	10	750	\$ 150	\$	75	10%	\$	15
Boat, motor and trailer	ea	\$	4,200	1	\$ 4,200	10	2,100	\$ 420	\$	210	65%	\$	273
Mobile 2-way radio & base unit	ea	\$	2,000	1	\$ 2,000	10	1,000	\$ 200	\$	100	25%	\$	50
Seine net, 10 ft deep, 1/2" mesh	ea	\$	4,000	1	\$ 4,000	5	2,000	\$ 800	\$	200	50%	\$	400
Hydraulic takeup reel with trailer	ea	\$	4,000	1	\$ 4,000	10	2,000	\$ 400	\$	200	50%	\$	200
2-1/1 ton used boom truck	ea	\$	15,000	1	\$ 15,000	10	,	\$ 1,500	\$	750	35%	\$	525
Subtotal					\$ 436,640		\$ 218,320	\$ 41,650	\$	21,832		\$	22,097
TOTAL					\$ 866,680		\$ 433,340	\$ 67,823	\$	43,334		\$	27,210

Pond construction and equipment cost for a 250 acre catfish farm in the Mississippi Delta. /1

/1 For this size operation, 250 acres, an office building is not required, as most paperwork and administration would be conducted out of the home.

/2 Computed by the straight line method with zero salvage value for depreciable items.

/3 Land and pond construction is charged at a long-term interest rate and equipment items are charged at an intermediate-term interest rate.

Charged at 10% on the total value of land with all other depreciable items charged at 10% on one-half of the investment.

/4 One fixed 10-hp aerator per pond is used.

Feeder truck - used 1 -ton truck with dual wheel rear end with heavy duty axle.

Electricity and Fuel

A. Well pumping to replace 36 acre-inches of water per year. From Jan. 1996 MAFES Bulletin # 1039, "Rice Water Use and Costs": Average variable cost per acre-ince of water is: For electric pumps, \$1.54/acre-inch, (\$1.81/acre-inch with a diesel pump - not used here) therefore: 36 acre-inches of water pumped annually

- 1.54 cost to pump per acre-inch \$
- \$ 55.44 per required acre-inches of water annually
- 250 acres of water

\$ 13,860 annually to flush ponds and replace evaporation or.....

55.44 \$/acre-inch pumped

B. Aeration electricity requirements for one 10-hp aerator per pond. /1

					No. of Kwh		
					per hour of	Aeration	Monthly
				Aeration	10-hp aerator	Cost, \$/kwh	Cost of
	# of days run	hours per day	# of ponds	Hours	operation		Aeration
January	0	0	0	-	8.47	0.11	-
February	0	0	0	-	8.47	0.11	-
March	0	0	0	-	8.47	0.11	-
April	7	3	8	168	8.47	0.11	157
May	18	6	13	1,404	8.47	0.11	1,308
June	26	7	16	2,912	8.47	0.11	2,713
July	27	8	16	3,456	8.47	0.11	3,220
August	26	8	16	3,328	8.47	0.11	3,101
September	20	6	10	1,200	8.47	0.11	1,118
October	6	3	7	126	8.47	0.11	117
November	1	2	1	2	8.47	0.11	2
December	0	0	0	-	8.47	0.11	-
TOTAL AERA	TION HOURS			12,596			11,736

/1 The cost per hour of 10-hp aerator operation is 8.47kwh /hour of operation x electricity cost, or \$ 0.932 per hour of 10-hp aerator operation

There is an additional	charge of \$35 per electrical meter.	There is usually one electronic terms of the second	rical meter per every 4 ponds.
Thus,	21 ponds /	4 ponds/meter =	5 electrical meters on this farm.

C. Fuel DIESEL											
1. PTO-driven aerator - Dies	col										
45-65 hp tractor used for											
		luse	d per hour of PTO op	eration							
	300 hours of PTO-driven aeration per pond										
			PTO emergency aera	ion							
,	21 ponds on 250-a										
21,	420 gallons of diese	l fue	l used for PTO aeratio	n							
	1.05 \$/gallon of dies	el									
\$ 22,	491 \$ for diesel use	on 2	50-acre catfish farm								
2. Mowing - Diesel											
from Keen	um and Waldrop:	\$	684 divided by	\$	0.75 p	price of diesel	912	gallons used			
	912 gallons used x		1.05 2001 diesel p	rice =	:	\$ 958					
TOTAL DIESEL 22,	332 GALLONS										
GASOLINE 1. Feeding - Gasoline Truck Mounted Feeder, 2	2-4 ton used										
from Keen	um and Waldrop:	\$	3,954 divided by	\$	0.85 p	orice of gas =	4,652	gallons used			
4,	652 gallons used x		1.25 2001 gas pric	:e =	:	\$ 5,815					
2. Boat and harvesting - Gas	soline										
from Keen	um and Waldrop:	\$	204 divided by	\$	0.85 p	price of gas =	240	gallons used			
	240 gallons used x		1.25 2001 diesel p	rice =	:	\$ 300					
3. Transportation around the	e farm, to processor,	to ch	ase birds, check d.o.,	etc Ga	asoline						
•	um and Waldrop:	\$	6,375 divided by			orice of gas =	7500	gallons used			
7	500 gallons used x		1.25 2001 diesel p	rice =	:	\$ 9,375					

TOTAL GAS 12,392 GALLONS Chemical needs for a 250-acre MS Delta catfish farm.

Chemicals Salt	to bring chlorides up to 100 ppm to prevent brown blood disease check chlorides after pond has been filled and add 2 tons of salt per acre After year 1 all ponds are treated in the spring at 1 ton acre
Lime	Do not need to add lime to delta waters as their alkalinity level is fine However, lime is used as a trematode treatment; costs about \$15/acre In this scenario, we have chosen to use copper sulfate for trematode treatment.
Copper sulfate	For off-flavor: treat at 5 lb/acre/application when water is above 70F which is about 20 applications per year
	For trematode treatment: apply at Cost is approximately \$9/acre
Diuron	For off flavor treatment 0.5 ounces per acre-foot of water applied weekly for up to 9 treatments per pond - In the delta 5.83 applications of diuron were used per pond (Hanson, 2001)

5 lb/acre treatment rate 20 applications per year

Labor Requirements for a:

250 water acre Delta MS catfish farm

		Total Annual	
Pay Amount	Number	Cost, \$	Position and responsibility
Operations Management			
35,000 \$/year	1	\$ 35,000	Manager - overall manager and does feeding
Subtotal		\$ 35,000	-
25,000 \$/year	1	\$ 25,000	Foreman - oversees hired laborers
18,000 \$/year /1	2	\$ 18,000	Night dissolved oxygen monitoring workers
16,500 \$/year	4	\$ 66,000	People doing mowing and seining (no custom harvesting)
Subtotal		\$ 109,000	_
TOTAL		\$ 144,000	-

/1 Two people alternate so only one full-time person cost is included.

Taxes on Delta Catfish Acreage

- 1 Water and Levee acres
- 1,250 x construction cost
- 1250 pond construction value
- 750 + land use value per acre in the delta of MS
- 2000 sum of construction value and land use value 300 $\,$ x 15% assessment rate
- 0.098 x milleage rate
- 29.4 TAX
- 7,350 TOTAL TAX FOR THIS SIZE FARM 250 WATER ACRES

Cash flow, Year 1, for a 250-acre catfish farm in the Delta, Mississippi, 2001.

Month			Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Oct-01	Nov-01	Dec-01	Total
Food fish sales (Ib) BEGINNING CASH BALANCE			0 1,000	0 500	0 500	0 500	0 500	0 500	0 500	0 500	0 500	- 500	- -494,684	- 500	-
Cash Inflows Catfish sales	\$	0.70 lb	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL CASH INFLOW			1,000	500	500	500	500	500	500	500	500	500	(494,684)	500	
Operating Expenses															
Feed, food fish Labor	\$	210 ton	0	0	1,365	3,938	9,240	18,375	30,240	55,073	48,510	37,223	1,260	1,260	206,483
Farm manager	\$	35,000 year	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	35,000
Hired labor	\$	109,000 year	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	109,000
Fingerlings, 5" (4"-6" range)	\$	0.05 each			93,750										93,750
Harvest /1															
Seining	\$	- lb.	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport Fuel & lubricants Diesel	\$	0.015 per lb	-	-	-	-	-	-	-	-	-	-	-	-	-
 PTO-driven aeration Mowing 	\$ \$	1.05 gallon 1.05 gallon			120	120	120	11,246 120	11,246 120	120	120	120			22,491 958
Gasoline		3													
 Transportation Boat and harvesting 	\$ \$	1.25 gallon 1.25 gallon	781	781	781	781	781	781	781	781	781	781	781	781	9,375
Utilities	¢	0.00 Jaw ba	475	175	175	222	4 400	2 000	3,395	3,276	4 000	292	177	175	12 020
Aeration + Meter charge Water pumping to flush ponds	\$ \$	0.93 kw-hr 55.44 /3ac-ft/yr	175	1/5	175	332	1,483 1,386	2,888 2,772	3,395 4,158	3,276 4,158	1,293 1,386	292	177	1/5	13,836 13,860
Repairs and Maintenance	φ \$	27,210 year	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	27,210
Telephone	\$	2,500 year	208	208	208	208	2,200	208	208	2,200	208	208	208	208	2,500
Accounting/legal	\$	2,400 year	200	200	200	200	200	200	200	200	200	200	200	200	2,400
Bird chasing Chemicals	\$	2,000 year	500	500	250								250	500	2,000
Salt	\$	53 ton			13,250										13,250
Diuron, off-flavor control	\$	9 trt/acre						2,250	9,000	2,250					13,500
Copper sulfate, trematode treat.	\$	9 acre					2,250								2,250
Supplies & admin.	\$	600 year	50	50	50	50	50	50	50	50	50	50	50	50	600
Taxes (land)	\$	29.40 acre	-	-	-	7,350	-	-	-	-	-	-	-	-	7,350
Insurance	\$	6.25 acre	1,563												1,563
Total Cash Operating Expenses			17,745	16,182	123,052	23,308	20,746	34,782	43,425	25,311	18,306	15,919	15,934	16,182	370,892
Scheduled debt payments															
Intermediate - principal			47,459	-	-	-	-	-		-	-	-	-	-	47,459
interest			39,298						9,345						
Long-term - principal interest									9,345 38,704						
TOTAL CASH OUTFLOW			104,501	16,182	123,052	23,308	20,746	34,782	91,474	25,311	18,306	15,919	15,934	16,182	418,351
CASH AVAILABLE			(103,501)	(15,682)	(122,552)	(22,808)	(20,246)	(34,282)	(90,974)	(24,811)	(17,806)	(15,419)	(510,618)	(15,682)	
New Borrowing			104,001	16,182	123,052	23,308	20,746	34,782	91,474	25,311	18,306	15,919	511,118	16,182	
Payment on															
Principal			-									473,081			
Interest ENDING CASH BALANCE			- 500	500	500	500	500	500	500	500	500	22,103 (494,684)	500	500	500
Summary of Debt Outstanding:															
Short-term			104,001	120,183	243,235	266,543	287,289	322,071	413,545	438,856	457,162	-	511,118	527,300	
Intermediate-term			389,181	389,181	389,181	389,181	389,181	389,181	389,181	389,181	389,181	389,181	389,181	389,181	
Long-term			430,040	430,040	430,040	430,040	430,040	430,040	420,695	420,695	420,695	420,695	420,695	420,695	
TOTAL DEBT OUTSTANDING			923,222	939,404	1,062,456	1,085,764	1,106,510	1,141,293	1,223,422	1,248,732	1,267,038	809,876	1,320,994	1,337,176	

Cash flow, Year 2, for a 250-acre catfish farm in the Delta, Mississippi, 2001.

Month				Jan-02	Feb-02	Mar-02	Apr-02	May-02	Jun-02	Jul-02	Aug-02	Sep-02	Oct-02	Nov-02	Dec-02	Total
Fish sales (lb) BEGINNING CASH BALANCE				0 500	0 500	0 500	0 500	693,250 500	0 -372,176	0 500	660,000 500	0 427,189	0 408,884	418,500 -171,086	0 99,552	1,771,750
Cash Inflows Catfish sales	\$	0.70	lb	0	0	0	0	485,275	0		462,000	0	0	292,950	S	1,240,225
TOTAL CASH INFLOW				500	500	500	500	485,775	(372,176)	500	462,500	427,189	408,884	121,864	99,552	
Operating Expenses																
Feed, food fish Labor	\$	210	ton	1,680	1,680	14,595	42,788	57,015	50,873	77,490	74,340	67,358	54,548	1,470	1,470 \$	445,305
Farm manager	\$	35,000	year	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917 \$	35,000
Hired laborer	\$	109,000	week	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083 \$	109,000
Fingerlings, 5" (4"-6" range) Harvest /1	\$	0.05	each	-	-	93,750	-	-	-	-	-	-	-	-	- \$	93,750
Seining	\$	-	lb.	-	-	-	-	-	-	-	-	-	-	-	- \$	-
Transport Fuel & lubricants	\$	0.015	per lb	-	-	-	-	10,399	-	-	9,900	-	-	6,278	- \$	
Diesel																
 PTO-driven aeration Mowing 	\$ \$		gallon gallon			120	120	120	11,246 120	11,246 120	120	120	120		5	22,491 958
Gasoline			5													
 Transportation Boat and harvesting 	\$ \$		gallon gallon	781	781	781	781	781 100	781	781	781 100	781	781	781 100	781 \$	9,375
Utilities			-													
Aeration + Meter charge	\$	0.93	kw-hr	175	175	175	332	1,483	2,888	3,395	3,276	1,293	292	177	175 \$	13,836
Water pumping to flush ponds	\$		/3ac-ft/yr					1,386	2,772	4,158	4,158	1,386			ş	
Repairs and Maintenance	\$	27,210		2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268 \$	
Telephone	\$	2,500		208	208	208	208	208	208	208	208	208	208	208	208 \$	
Accounting/legal Bird chasing	\$ \$	2,400		200 500	200 500	200 250	200	200	200	200	200	200	200	200 250	200 \$ 500 \$	
Chemicals	•	2,000		500	500									250		
Salt Diuron, off-flavor control	\$ \$	53	ton trt/acre			13,250			2,250	9,000	2,250				5	
Copper sulfate, trematode treat.	э S		acre					2,250	2,250	9,000	2,250				3	
Supplies & admin.	ŝ	600		50	50	50	50	50	50	50	50	50	50	50	50 \$	
Taxes (except income)	Š	29.40		-	-	-	7,350	-	-	-	-	-	-	-	- 9	7,350
Insurance	\$	6.25		1,563			,									,
Total Cash Operating Expenses				17,745	16,182	123,052	23,308	31,245	34,782	43,425	35,311	18,306	15,919	22,311	16,182 \$	397,768
Scheduled debt payments																
Intermediate - principal				-	-	-	-	-	-	48,049	-	-	-	-	- \$	48,049
interest				51,730						10 196						
Long-term - principal interest				35,026						10,186 37,863						
TOTAL CASH OUTFLOW				104,501	16,182	123,052	23,308	31,245	34,782	139,522	35,311	18,306	15,919	22,311	16,182 \$	445,817
CASH AVAILABLE				(104,001)	(15,682)	(122,552)	(22,808)	454,530	(406,958)	(139,022)	427,189	408,884	392,964	99,552	83,370	
New Borrowing Payment on				104,501	16,182	123,052	23,308	-	407,458	139,522	-	-	-	-	-	
Principal Interest					-			794,343 32,363					546,980 17,070			
ENDING CASH BALANCE				500	500	500	500	(372,176)	500	500	427,189	408,884	(171,086)	99,552	83,370	
Summary of Debt Outstanding:																
Short-term				631,801	647,983	771,035	794,343	-	407,458	546,980	546,980	546,980	-	-	-	
Intermediate-term				337,451	337,451	337,451	337,451	337,451	337,451	337,451	337,451	337,451	337,451	337,451	337,451	
Long-term TOTAL DEBT OUTSTANDING				420,695 1,389,947	420,695	420,695	420,695	420,695 758,147	420,695	410,509 1,294,941	410,509 1,294,941	410,509 1,294,941	410,509 747,961	410,509 747,961	410,509 747,961	

Cash flow, Year 3, for a 250-acre catfish farm in the Delta, Mississippi, 2001.

BEGINNING CASH BALANCE Cash Inform Cash Inform Same S 53.70 500 100 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00 107.00	Month				Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Total
Catile haskes \$ 0.70 b 0 0 27.56.25 0 465.275 0 0 462.000 0 0 20.29.05 157.56 TOTAL CASH MFLOW 53.370 500 27.66.25 17.70.20 690.050 530.01 67.180 74.340 67.389 64.164 1.047.0 47.70 47.70 47.70 47.340 74.340 67.389 64.54 1.047.0 47.70 74.70 74.340 67.389 64.54 1.047.0 47.70 47.70 47.340 67.389 64.54 1.047.0 47.70 47.70 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017 2.017	BEGINNING CASH BALANCE													- 821,053			2,165,500
TOTAL CASH NFLOW 83.370 500 276,125 147,092 080.05 538,01 604,118 674,644 893,058 621,063 1,080,04 1,075,077 Generation Labor Fram manager Hinestatione Sering \$ 200 bm 1,943 2,100 15,855 42,785 57,015 60,873 77,400 74,340 67,388 54,548 1,470 447,2 3,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 <td></td> <td>\$</td> <td>0.7</td> <td>0 lb</td> <td>0</td> <td>0</td> <td>275 625</td> <td>0</td> <td>485 275</td> <td>0</td> <td>0</td> <td>462 000</td> <td>0</td> <td>0</td> <td>292 950</td> <td></td> <td>1,515,850</td>		\$	0.7	0 lb	0	0	275 625	0	485 275	0	0	462 000	0	0	292 950		1,515,850
Operating Expenses Feed, 100 fails \$ 210 1km 1,943 2,000 16,85 4 2788 7,7490 74,340 67,358 54,468 1,470 447,7 Jama manager Hered liborer \$ 30,000 week 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083		Ψ	0.7	0 10	0	Ū	210,020	0	400,210	Ū	Ŭ	402,000	0	Ŭ	202,000		1,010,000
Feed, cond hn S 210 ton 1.48 2.100 16.265 42.786 97.15 90.77 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917 2.917	TOTAL CASH INFLOW				83,370	500	276,125	147,092	609,059	538,901	504,118	874,644	839,359	821,053	1,098,084	1,075,797	
Labor Farm manager & 9,000 week 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,003 9,000 9,000 9,000 9,000 9,000 9,000 9,000 9,000 9,00																	
Farm namager Hirred lakor \$ 35,000 year 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917 2,917		\$	21	0 ton	1,943	2,100	15,855	42,788	57,015	50,873	77,490	74,340	67,358	54,548	1,470	1,470	447,248
Hird Index ² Finaling, 5 (* range) Horest 1 109,00 week (* range) Horest 1 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 9,083 <t< td=""><td></td><td>¢</td><td>25.00</td><td>0 voor</td><td>2 017</td><td>2 0 1 7</td><td>2 017</td><td>2 0 1 7</td><td>25.000</td></t<>		¢	25.00	0 voor	2 017	2 0 1 7	2 0 1 7	2 0 1 7	2 0 1 7	2 0 1 7	2 0 1 7	2 0 1 7	2 0 1 7	2 0 1 7	2 017	2 0 1 7	25.000
Fingerings, 5' (4-6' range) \$ 0.5 each 93,760 Jennerst 1 Sening \$ - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -																	109,000
Harvest / Transport S 0.015 per b - 5.906 1.0.399 - 9.900 - 6.278 3.24 Dead Dead 11.246 11.246 11.246 11.246 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.4 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6 22.6<					9,005	9,005		9,003	9,003	9,005	9,003	9,005	9,005	9,005	9,005	9,005	93,750
Sering \$ <td></td> <td>Ψ</td> <td>0.0</td> <td>5 each</td> <td></td> <td></td> <td>35,750</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>35,750</td>		Ψ	0.0	5 each			35,750										35,750
Taragont Desk \$ 0.015 perible . 5.006 . 10.399 . . 9.000 . . 6.278 . 3.24 Descione 1.05 galon 10 10 11.246 11.246 11.246 11.246 12.0 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 1		¢	_	lb	_		_		_	_	_	_		_	_		
Fuel & linkbraints Fuel & linkbraints Interval 1.0.5 gallon 1.0.5			0.01				5 906		10 300			9 900			6 278		32,483
Deterior - FTO-drive nation 5 10.56 galon - 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12		Ψ	0.01	o per lo			0,000		10,000			0,000			0,210		02,400
-PTO-driven aeration \$ 10.5 galon 12.0 12.0 12.0 12.0 12.0 12.5 galon 12.5 galon																	
- Mowing \$ 1.05 galon 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120 120		\$	10	5 gallon						11 246	11 246						22,491
Gasoline - Iransportation - Boat and harvesting S 1.25 gailon 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 781 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>120</td><td>120</td><td>120</td><td></td><td></td><td>120</td><td>120</td><td>120</td><td></td><td></td><td>958</td></th<>							120	120	120			120	120	120			958
Transportation \$ 1.25 galon 761 761 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771 771	0	Ŷ		ganon			.20	.20	.20	.20	.20	.20	.20	.20			000
Beat and harvesting \$ 1.25 galon 75 76 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 75 <th< td=""><td></td><td>\$</td><td>12</td><td>5 gallon</td><td>781</td><td>781</td><td>781</td><td>781</td><td>781</td><td>781</td><td>781</td><td>781</td><td>781</td><td>781</td><td>781</td><td>781</td><td>9,375</td></th<>		\$	12	5 gallon	781	781	781	781	781	781	781	781	781	781	781	781	9,375
Unities Unities <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>300</td></t<>																	300
Aration + Meter change Water pumping to flush points repers and Maintenance Telephone \$ 20.932 kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurst kurs		Ŷ		ganon													000
Water pumping to flus ponds \$55.44 (3a-thyr)			\$0.9	32 kw-hr	175	175	175	332	1 483	2 888	3 395	3 276	1 293	292	177	175	13,836
Repairs and Maintenance \$ 27,10 year 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,268 2,68 2,68 2,68 2,68 2,68 2,68 2,68 2,68 2,68 2,68 2,68								002						202			13,860
Telephone \$ 2.500 year 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 <th2< td=""><td></td><td>\$</td><td></td><td></td><td>2,268</td><td>2,268</td><td>2,268</td><td>2,268</td><td></td><td></td><td></td><td></td><td></td><td>2,268</td><td>2,268</td><td>2,268</td><td>27,210</td></th2<>		\$			2,268	2,268	2,268	2,268						2,268	2,268	2,268	27,210
Accounting/legal § 2.400 year 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200 200	•				,	,							1				2,500
Bird chasing \$ 2,000 year 500 500 250 250 500 2,000 year Salt \$ 53 ton 13,250 2,250 9,000 2,250 133,250 2,250 133,250 Supplies & admin. \$ 060 year 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 <																	2,400
Chemicals Solution 13,250 2,250 9,000 2,250 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 <																	2,000
Diuron off-flavor control § 9 trifacre 2,250 9,000 2,250 9,000 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 2,250 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50				,													,
Diuron off-flavor control of solution off-flavor control of the served between the served betwee	Salt	\$	5	3 ton			13,250										13,250
Supplies & admin. \$ 600 year 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 <td>Diuron, off-flavor control</td> <td>\$</td> <td></td> <td>9 trt/acre</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,250</td> <td>9,000</td> <td>2,250</td> <td></td> <td></td> <td></td> <td></td> <td>13,500</td>	Diuron, off-flavor control	\$		9 trt/acre						2,250	9,000	2,250					13,500
Taxies (except income) \$ 29.40 year - 7.350 - - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 - - 7.351 <td>Copper sulfate, trematode treat.</td> <td>\$</td> <td></td> <td>9 acre</td> <td></td> <td></td> <td></td> <td></td> <td>2,250</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,250</td>	Copper sulfate, trematode treat.	\$		9 acre					2,250								2,250
Insurance \$ 6.25 acre 1,563 Total Cash Operating Expenses 17,745 16,182 129,033 23,308 31,220 34,782 43,425 35,286 18,306 15,919 22,286 16,182 403,65 Scheduled debt payments Intermediate - principal interest 56,386 - - - - - - - - 56,386 TOTAL CASH OUTFLOW 104,601 16,182 129,033 23,308 31,220 34,782 91,474 35,286 18,306 15,919 22,286 16,182 460,0 CASH AVAILABLE New Borrowing Payment on Principal Interest (21,130) (15,682) 147,092 123,784 577,839 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 New Borrowing Payment on Principal Interest 500 500 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 <td>Supplies & admin.</td> <td>\$</td> <td>60</td> <td>0 year</td> <td>50</td> <td>600</td>	Supplies & admin.	\$	60	0 year	50	50	50	50	50	50	50	50	50	50	50	50	600
Total Cash Operating Expenses 17,745 16,182 129,033 23,308 31,220 34,782 43,425 35,286 18,306 15,919 22,286 16,182 403,69 Scheduled debt payments interest 56,386 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	Taxes (except income)	\$	29.4	0 year	-	-	-	7,350	-	-	-	-	-	-	-	-	7,350
Scheduled debt payments interest 56,386 - - - - - - 56,38 Long-term - principal interest 30,371 - - - - - - 56,38 TOTAL CASH OUTFLOW 104,501 16,182 129,033 23,308 31,220 34,782 91,474 35,286 18,306 15,919 22,286 16,182 460,0 CASH AVAILABLE (21,130) (15,682) 147,092 123,784 577,839 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 New Borrowing 21,630 16,182 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <td< td=""><td>Insurance</td><td>\$</td><td>6.2</td><td>5 acre</td><td>1,563</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Insurance	\$	6.2	5 acre	1,563												
Intermediate - principal interest 56,386 30,371 - - - - - - - - - 56,386 36,386 Long-term - principal interest 104,501 16,182 129,033 23,308 31,220 34,782 91,474 35,286 18,306 15,919 22,286 16,182 460,00 CASH AVAILABLE New Borrowing (21,130) (15,682) 147,092 123,784 577,839 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Payment on Principal Interest 500 500 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 37,813 37,813 37,813 37,813 37,813 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 37,813 37,813 37,813 281,066 281,066 281,066 281,066 <td>Total Cash Operating Expenses</td> <td></td> <td></td> <td></td> <td>17,745</td> <td>16,182</td> <td>129,033</td> <td>23,308</td> <td>31,220</td> <td>34,782</td> <td>43,425</td> <td>35,286</td> <td>18,306</td> <td>15,919</td> <td>22,286</td> <td>16,182</td> <td>403,675</td>	Total Cash Operating Expenses				17,745	16,182	129,033	23,308	31,220	34,782	43,425	35,286	18,306	15,919	22,286	16,182	403,675
Intermediate - principal interest 56,386 30,371 - - - - - - - - - 56,386 36,386 Long-term - principal interest 20,3371 20,308 21,020 34,782 91,474 35,286 18,306 15,919 22,286 16,182 460,00 CASH AVAILABLE New Borrowing (21,130) (15,682) 147,092 123,784 577,839 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Payment on Principal Interest 500 500 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 37,813 37,813 1,126 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 37,813 37,813 1,050 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066	Cabadulad dabt novmanta																
interest Long-term - principal interest 30,371 TOTAL CASH OUTFLOW 104,501 16,182 129,033 23,308 31,220 34,782 91,474 35,286 18,306 15,919 22,286 16,182 460,00 CASH AVAILABLE New Borrowing (21,130) (15,682) 147,092 123,784 577,839 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 New Borrowing 21,630 16,182 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -<					56 296												56 296
Long-term - principal interest 11,103 36,946 TOTAL CASH OUTFLOW 104,501 16,182 129,033 23,308 31,220 34,782 91,474 35,286 18,306 15,919 22,286 16,182 460,00 CASH AVAILABLE New Borrowing (21,130) (15,682) 147,092 123,784 577,839 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 New Borrowing 21,630 16,182 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Payment on Principal Interest 500 500 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: 37,813 37,813 37,813 37,813 37,813 37,813 37,813 37,813 37,813 46,62 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>50,560</td>						-	-	-	-	-		-	-	-	-	-	50,560
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TOTAL CASH OUTFLOW 104,501 16,182 129,033 23,308 31,220 34,782 91,474 35,286 18,306 15,919 22,286 16,182 460,00 CASH AVAILABLE New Borrowing Payment on Principal Interest (21,130) (15,682) 147,092 123,784 577,839 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 New Borrowing Payment on Principal Interest 500 500 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 37,813 37,813 37,813 37,813 37,813 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 37,813 37,813 21,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,																	
CASH AVAILABLE (21,130) (15,682) 147,092 123,784 577,839 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 New Borrowing 21,630 16,182 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -					104 501	16 192	120 022	22 209	21 220	24 792		25 296	19 206	15 010	22.286	16 192	460.060
New Borrowing 21,630 16,182 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	TOTAL CASH OUTFLOW				104,501	10,102	129,033	23,300	31,220	34,702	51,474	55,200	10,500	15,919	22,200	10,102	400,000
Payment on Principal Interest 37,813 ENDING CASH BALANCE 500 500 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>147,092</td><td>123,784</td><td>577,839</td><td>504,118</td><td>412,644</td><td>839,359</td><td>821,053</td><td>805,134</td><td>1,075,797</td><td>1,059,615</td><td></td></t<>							147,092	123,784	577,839	504,118	412,644	839,359	821,053	805,134	1,075,797	1,059,615	
Principal Interest 37,813 1,126 ENDING CASH BALANCE 500 500 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 37,813 37,813 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -					21,630	16,182	-	-	-	-	-	-	-	-	-	-	
Interest 1,126 ENDING CASH BALANCE 500 500 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 37,813 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>07.040</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									07.040								
ENDING CASH BALANCE 500 500 147,092 123,784 538,901 504,118 412,644 839,359 821,053 805,134 1,075,797 1,059,615 Summary of Debt Outstanding: Short-term 21,630 37,813 37,813 37,813 37,813 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -														-			
Short-term 21,630 37,813 37,813 37,813 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <th< td=""><td></td><td></td><td></td><td></td><td>500</td><td>500</td><td>147,092</td><td>123,784</td><td></td><td>504,118</td><td>412,644</td><td>839,359</td><td>821,053</td><td>- 805,134</td><td>1,075,797</td><td>1,059,615</td><td></td></th<>					500	500	147,092	123,784		504,118	412,644	839,359	821,053	- 805,134	1,075,797	1,059,615	
Short-term 21,630 37,813 37,813 37,813 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <th< td=""><td>Summany of Dabt Outstanding:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Summany of Dabt Outstanding:																
Intermediate-term 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,066 281,					24 620	27 04 2	27 040	27 040									
Long-term 410,509 410,509 410,509 410,509 410,509 410,509 399,406 399,406 399,406 399,406 399,406 399,406 399,406									-	-	-	-	-	-	-	-	
TOTAL DEPT OUTSTANDING 712 205 720 200 720 200 720 200 601 575 601 575 600 472 600 472 600 472 600 472 600 472	TOTAL DEBT OUTSTANDING				713,205	729,388	729,388	729,388	691,575	691,575	680,472	680,472	680,472	680,472	680,472	680,472	

Cash flow, Year 4, for a 250-acre catfish farm in the Delta, Mississippi, 2001.

Month					Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Total
Fish sales (lb) BEGINNING CASH BALANCE Cash Inflows					0 1,059,615	0 955,114	393,750 938,932	0 1,085,524	693,250 1,062,216	0 1,516,271	0 1,481,489	660,000 1,390,015	0 1,816,729	- 1,798,424	418,500 1,782,504	0 2,053,168	2,165,500
Catfish sales	\$	0.7	0 lb		0	0	275,625	0	485,275	0	0	462,000	0	0	292,950		1,515,850
TOTAL CASH INFLOW					1,059,615	955,114	1,214,557	1,085,524	1,547,491	1,516,271	1,481,489	1,852,015	1,816,729	1,798,424	2,075,454	2,053,168	
Operating Expenses																	
Feed, food fish	\$	21	0 ton		1,943	2,100	15,855	42,788	57,015	50,873	77,490	74,340	67,358	54,548	1,470	1,470	447,248
Labor Farm manager	¢	35,00	0 yea	r	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	2,917	35,000
Hired laborer			0 wee		9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	9,083	109,000
Fingerlings, 5" (4"-6" range) Harvest /1	\$	0.0	5 eac	h			93,750										93,750
Seining	\$	-	lb.		-	-	-	-	-		-	-	-	-	-	-	-
Transport	\$	0.01		lb	-	-	5,906	-	10,399	-	-	9,900	-	-	6,278	-	32,483
Fuel & lubricants			-														
Diesel	•	10	c							44.040	44.040						22,404
 PTO-driven aeration Mowing 	\$ \$	1.0	5 gallo 5 gallo				120	120	120	11,246 120	11,246 120	120	120	120			22,491 958
Gasoline	Ψ	1.0	J gain	011			120	120	120	120	120	120	120	120			330
- Transportation	\$	1.2	5 gall	on	781	781	781	781	781	781	781	781	781	781	781	781	9,375
 Boat and harvesting Utilities 	\$	1.2	5 gall	on			75		75			75			75		300
Aeration + Meter charge		\$0.93	32 kw-l	hr	175	175	175	332	1,483	2,888	3,395	3,276	1,293	292	177	175	13,836
Water pumping to flush ponds			14 /3ac		110	110	110	002	1,386	2,772	4,158	4,158	1,386	202		110	13,860
Repairs and Maintenance	\$	27,21	0 yea	r	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	2,268	27,210
Telephone	\$	2,50			208	208	208	208	208	208	208	208	208	208	208	208	2,500
Accounting/legal Bird chasing	\$ \$	2,40			200 500	200 500	200 250	200	200	200	200	200	200	200	200 250	200 500	2,400 2,000
Chemicals	φ	2,00	0 yea	1	500	500	250								250	500	2,000
Salt	\$	5	3 ton				13,250										13,250
Diuron, off-flavor control	\$		9 trt/a	cre						2,250	9,000	2,250					13,500
Copper sulfate, trematode treat.	\$		9 acre			50	50	50	2,250			50	50	50	50	50	2,250
Supplies & admin. Taxes (except income)	\$ \$	60 29.4			50	50	50	50 7,350	50	50	50	50	50	50	50	50	600 7,350
Insurance	\$		5 acre		- 1,563	-	-	7,550	-	-	-	-	-	-	-	-	7,350
Total Cash Operating Expenses					17,745	16,182	129,033	23,308	31,220	34,782	43,425	35,286	18,306	15,919	22,286	16,182	403,675
Scheduled debt payments																	
Intermediate - principal					61,460	-	-	-	-	-	-	-	-	-	-	-	61,460
interest					25,296												
Long-term - principal											12,102						
interest											35,947						
TOTAL CASH OUTFLOW					104,501	16,182	129,033	23,308	31,220	34,782	91,474	35,286	18,306	15,919	22,286	16,182	465,135
CASH AVAILABLE					955,114	938,932	1,085,524	1,062,216	1,516,271	1,481,489	1,390,015	1,816,729	1,798,424	1,782,504	2,053,168	2,036,986	
New Borrowing Payment on Principal					-	-	-	-	-	-	-	-	-	-	-	-	
Interest									-					-			
ENDING CASH BALANCE					955,114	938,932	1,085,524	1,062,216	1,516,271	1,481,489	1,390,015	1,816,729	1,798,424	1,782,504	2,053,168	2,036,986	
Summary of Debt Outstanding: Short-term					-	_	_	-		-	-	-	_		-		
Intermediate-term Long-term					- 219,606 399,406	- 219,606 399,406	- 219,606 399,406	- 219,606 399,406	- 219,606 399,406	- 219,606 399,406	- 219,606 387,304	- 219,606 387,304	- 219,606 387,304	- 219,606 387,304	- 219,606 387,304	- 219,606 387,304	
TOTAL DEBT OUTSTANDING					619,012	619,012	619,012	619,012	619,012	619,012	606,910	606,910	606,910	606,910		606,910	

Cash flow, Year 5, for a 250-acre catfish farm in the Delta, Mississippi, 2001.

Month					Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total
Fish sales (lb) BEGINNING CASH BALANCE Cash Inflows					0 2,036,986	0 1,932,485	393,750 1,916,303	0 2,062,895	693,250 2,046,936	0 2,500,992	0 2,466,209	660,000 2,374,736	0 2,801,450	- 2,783,144	418,500 2,767,225	0 3,037,888	2,165,500
Cash inflows Catfish sales	\$	0.7	0 lb		0	0	275,625	0	485,275	0	0	462,000	0	0	292,950		1,515,850
TOTAL CASH INFLOW					2,036,986	1,932,485	2,191,928	2,062,895	2,532,211	2,500,992	2,466,209	2,836,736	2,801,450	2,783,144	3,060,175	3,037,888	
Operating Expenses																	
Feed, food fish Labor	\$	21	0 ton		1,943	2,100	15,855	42,788	57,015	50,873	77,490	74,340	67,358	54,548	1,470	1,470	447,248
Farm manager Hired laborer	\$	35,00 109,00		¢	2,917 9,083	2,917 9,083	2,917 9,083	2,917 9,083	2,917 9,083	2,917 9,083	2,917 9,083	2,917 9,083	2,917 9,083	2,917 9,083	2,917 9,083	2,917 9,083	35,000 109,000
Fingerlings, 5" (4"-6" range) Harvest /1	\$	0.0	5 each				93,750										93,750
Seining Transport Fuel & lubricants	\$ \$	- 0.01	lb. 5 per l	D	-	-	5,906	-	- 10,399	-	-	- 9,900	-	-	- 6,278	-	- 32,483
Diesel - PTO-driven aeration - Mowing	\$ \$	1.0					120	120	120	11,246 120	11,246 120	120	120	120			22,491 958
Gasoline	φ	1.0	5 gallo				120	120	120	120	120	120	120	120			900
- Transportation - Boat and harvesting	\$ \$	1.2 1.2	•		781	781	781 75	781	781 75	781	781	781 75	781	781	781 75	781	9,375 300
Utilities Aeration + Meter charge Water pumping to flush ponds			32 kw-h 14 /3ac·		175	175	175	332	1,483 1,386	2,888 2,772	3,395 4,158	3,276 4,158	1,293 1,386	292	177	175	13,836 13,860
Repairs and Maintenance Telephone	\$	27,21 2,50	0 year 0 year	.,	2,268 208	2,268 208	2,268 208	2,268 208	2,268 208	2,268 208	2,268 208	2,268 208	2,268 208	2,268 208	2,268 208	2,268 208	27,210 2,500
Accounting/legal Bird chasing Chemicals	\$ \$	2,40 2,00	0 year 0 year		200 500	200 500	200 250	200	200	200	200	200	200	200	200 250	200 500	2,400 2,000
Salt Diuron, off-flavor control	\$ \$		3 ton 9 trt/ac	re			13,250			2,250	9,000	2,250					13,250 13,500
Copper sulfate, trematode treat. Supplies & admin. Taxes (except income)	\$ \$	60	9 acre 0 year year		50	50	50	50	2,250 50	50	50	50	50	50	50	50	2,250 600
Insurance	\$	6.2	5 acre		1,563	-	-	-	-	-	-	-	-	-	-	-	1,563
Total Cash Operating Expenses					17,745	16,182	129,033	15,958	31,220	34,782	43,425	35,286	18,306	15,919	22,286	16,182	396,325
Scheduled debt payments Intermediate - principal interest					66,992 19,765	-	-	-	-	-	-	-	-	-	-	-	66,992
Long-term - principal interest					10,100						13,191 34,857						
TOTAL CASH OUTFLOW					104,501	16,182	129,033	15,958	31,220	34,782	91,474	35,286	18,306	15,919	22,286	16,182	463,316
CASH AVAILABLE New Borrowing Payment on Principal					1,932,485 -	1,916,303 -	2,062,895 -	2,046,936 -	2,500,992 - -	2,466,209 -	2,374,736 -	2,801,450 -	2,783,144 -	2,767,225 - -	3,037,888 -	3,021,706 -	
Interest ENDING CASH BALANCE					1,932,485	1,916,303	2,062,895	2,046,936	2,500,992	2,466,209	2,374,736	2,801,450	2,783,144	- 2,767,225	3,037,888	3,021,706	
Summary of Debt Outstanding: Short-term Intermediate-term					152,614	152,614	- 152,614	152,614	- 152,614	- 152,614	152,614	152,614	152,614	152,614	152,614	152,614	
Long-term TOTAL DEBT OUTSTANDING					387,304 539,918	387,304 539,918	387,304 539,918	387,304 539,918	387,304 539,918	387,304 539,918	374,113 526,727	374,113 526,727	374,113 526,727	374,113 526,727	374,113 526,727	374,113 526,727	

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	Annual	Term	Periods per	Start
Principal:	interest rate:	(years):	year:	date:
430,040	9.00%	19	9 1	7/1/2001
Periodic Paymen	t:	Number of	payments:	
48,049		19	9	

Payment		Beginning	Total			Ending	Cumulative
No	Month	balance	payment	Interest	Principal	balance	interest
1	Jul-01	430,040	48,049	38,704	9,345	420,695	38,704
2	Jul-02	420,695	48,049	37,863	10,186	410,509	76,566
3	Jul-03	410,509	48,049	36,946	11,103	399,406	113,512
4	Jul-04	399,406	48,049	35,947	12,102	387,304	149,459
5	Jul-05	387,304	48,049	34,857	13,191	374,113	184,316
6	Jul-06	374,113	48,049	33,670	14,378	359,735	217,986
7	Jul-07	359,735	48,049	32,376	15,672	344,062	250,362
8	Jul-08	344,062	48,049	30,966	17,083	326,980	281,328
9	Jul-09	326,980	48,049	29,428	18,620	308,359	310,756
10	Jul-10	308,359	48,049	27,752	20,296	288,063	338,508
11	Jul-11	288,063	48,049	25,926	22,123	265,940	364,434
12	Jul-12	265,940	48,049	23,935	24,114	241,826	388,369
13	Jul-13	241,826	48,049	21,764	26,284	215,542	410,133
14	Jul-14	215,542	48,049	19,399	28,650	186,892	429,532
15	Jul-15	186,892	48,049	16,820	31,228	155,664	446,352
16	Jul-16	155,664	48,049	14,010	34,039	121,625	460,362
17	Jul-17	121,625	48,049	10,946	37,102	84,523	471,308
18	Jul-18	84,523	48,049	7,607	40,441	44,081	478,915
19	Jul-19	44,081	48,049	3,967	44,081	0	482,882
20	Jul-20	0	48,049	0	48,049	-48,049	482,882
21	Jul-21	0	48,049	0	48,049	-48,049	482,882
22	Jul-22	0	48,049	0	48,049	-48,049	482,882
23	Jul-23	0	48,049	0	48,049	-48,049	482,882
24	Jul-24	0	48,049	0	48,049	-48,049	482,882
25	Jul-25	0	48,049	0	48,049	-48,049	482,882
26	Jul-26	0	48,049	0	48,049	-48,049	482,882
27	Jul-27	0	48,049	0	48,049	-48,049	482,882
28	Jul-28	0	48,049	0	48,049	-48,049	482,882
29	Jul-29	0	48,049	0	48,049	-48,049	482,882
30	Jul-30	0	48,049	0	48,049	-48,049	482,882
31	Jul-31	0	48,049	0	48,049	-48,049	482,882
32	Jul-32	0	48,049	0	48,049	-48,049	482,882
33	Jul-33	0	48,049	0	48,049	-48,049	482,882
34	Jul-34	0	48,049	0	48,049	-48,049	482,882
35	Jul-35	0	48,049	0	48,049	-48,049	482,882
36	Jul-36	0	48,049	0	48,049	-48,049	482,882
37	Jul-37	0	48,049	0	48,049	-48,049	482,882
38	Jul-38	0	48,049	0	48,049	-48,049	482,882
39	Jul-39	0	48,049	0	48,049	-48,049	482,882
40	Jul-40	0	48,049	0	48,049	-48,049	482,882
41	Jul-41	0	48,049	0	48,049	-48,049	482,882
42	Jul-42	0	48,049	0	48,049	-48,049	482,882
43	Jul-43	0	48,049	0	48,049	-48,049	482,882

	Annual	Term	Periods per	Start
Principal:	interest rate:	(years):	year:	date:
430,040	9.00%	19) 1	7/1/2001
Periodic Paymen	t:	Number of	payments:	
48,049		19	9	

Payment		Beginning	Total			Ending	Cumulative
No	Month	balance	payment	Interest	Principal	balance	interest
44	Jul-44	0	48,049	0	48,049	-48,049	482,882
45	Jul-45	0	48,049	0	48,049	-48,049	482,882
46	Jul-46	0	48,049	0	48,049	-48,049	482,882
47	Jul-47	0	48,049	0	48,049	-48,049	482,882
48	Jul-48	0	48,049	0	48,049	-48,049	482,882
49	Jul-49	0	48,049	0	48,049	-48,049	482,882
50	Jul-50	0	48,049	0	48,049	-48,049	482,882
51	Jul-51	0	48,049	0	48,049	-48,049	482,882
52	Jul-52	0	48,049	0	48,049	-48,049	482,882
53	Jul-53	0	48,049	0	48,049	-48,049	482,882
54	Jul-54	0	48,049	0	48,049	-48,049	482,882
55	Jul-55	0	48,049	0	48,049	-48,049	482,882
56	Jul-56	0	48,049	0	48,049	-48,049	482,882
57	Jul-57	0	48,049	0	48,049	-48,049	482,882
58	Jul-58	0	48,049	0	48,049	-48,049	482,882
59	Jul-59	0	48,049	0	48,049	-48,049	482,882
60	Jul-60	0	48,049	0	48,049	-48,049	482,882
61	Jul-61	0	48,049	0	48,049	-48,049	482,882
62	Jul-62	0	48,049	0	48,049	-48,049	482,882
63	Jul-63	0	48,049	0	48,049	-48,049	482,882
64	Jul-64	0	48,049	0	48,049	-48,049	482,882
65	Jul-65	0	48,049	0	48,049	-48,049	482,882
66	Jul-66	0	48,049	0	48,049	-48,049	482,882
67	Jul-67	0	48,049	0	48,049	-48,049	482,882
68	Jul-68	0	48,049	0	48,049	-48,049	482,882
69	Jul-69	0	48,049	0	48,049	-48,049	482,882
70	Jul-70	0	48,049	0	48,049	-48,049	482,882
71	Jul-71	0	48,049	0	48,049	-48,049	482,882
72	Jul-72	0	48,049	0	48,049	-48,049	482,882
73	Jul-73	0	48,049	0	48,049	-48,049	482,882
74	Jul-74	0	48,049	0	48,049	-48,049	482,882
75	Jul-75	0	48,049	0	48,049	-48,049	482,882
76	Jul-76	0	48,049	0	48,049	-48,049	482,882
77	Jul-77	0	48,049	0	48,049	-48,049	482,882
78	Jul-78	0	48,049	0	48,049	-48,049	482,882
79	Jul-79	0	48,049	0	48,049	-48,049	482,882
80	Jul-80	0	48,049	0	48,049	-48,049	482,882
81	Jul-81	0	48,049	0	48,049	-48,049	482,882
82	Jul-82	0	48,049	0	48,049	-48,049	482,882
83	Jul-83	0	48,049	0	48,049	-48,049	482,882
84	Jul-84	0	48,049	0	48,049	-48,049	482,882
85	Jul-85	0	48,049	0	48,049	-48,049	482,882
86	Jul-86	0	48,049	0	48,049	-48,049	482,882
87	Jul-87	0	48,049	0	48,049	-48,049	482,882
88	Jul-88	0	48,049	0	48,049	-48,049	482,882
89	Jul-89	0	48,049	0	48,049	-48,049	482,882

	Annual	Term	Periods per	Start
Principal:	interest rate:	(years):	year:	date:
430,040	9.00%	19) 1	7/1/2001
Periodic Paymen	t:	Number of	payments:	
48,049		19)	

Payment		Beginning	Total			Ending	Cumulative
No	Month	balance	payment	Interest	Principal	balance	interest
90	Jul-90	0	48,049	0	48,049	-48,049	482,882
91	Jul-91	0	48,049	0	48,049	-48,049	482,882
92	Jul-92	0	48,049	0	48,049	-48,049	482,882
93	Jul-93	0	48,049	0	48,049	-48,049	482,882
94	Jul-94	0	48,049	0	48,049	-48,049	482,882
95	Jul-95	0	48,049	0	48,049	-48,049	482,882
96	Jul-96	0	48,049	0	48,049	-48,049	482,882
97	Jul-97	0	48,049	0	48,049	-48,049	482,882
98	Jul-98	0	48,049	0	48,049	-48,049	482,882
99	Jul-99	0	48,049	0	48,049	-48,049	482,882
100	Jul-00	0	48,049	0	48,049	-48,049	482,882

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		Annual	Term	Periods per	Start
Princ	pal:	interest rate:	(years):	year:	date:
4	136,640	9.00%		7 1	1/1/2001
Periodic	Paymen	t:	Number of	f payments:	
	86,756			7	

Payment		Beginning	Total			Ending	Cumulative
No	Month	balance	payment	Interest	Principal	balance	interest
1	Jan-01	436,640	86,756	39,298	47,459	389,181	39,298
2	Jan-02	389,181	86,756	35,026	51,730	337,451	74,324
3	Jan-03	337,451	86,756	30,371	56,386	281,066	104,695
4	Jan-04	281,066	86,756	25,296	61,460	219,606	129,990
5	Jan-05	219,606	86,756	19,765	66,992	152,614	149,755
6	Jan-06	152,614	86,756	13,735	73,021	79,593	163,490
7	Jan-07	79,593	86,756	7,163	79,593	0	170,654
8	Jan-08	0	86,756	0	86,756	-86,756	170,654
9	Jan-09	0	86,756	0	86,756	-86,756	170,654
10	Jan-10	0	86,756	0	86,756	-86,756	170,654
11	Jan-11	0	86,756	0	86,756	-86,756	170,654
12	Jan-12	0	86,756	0	86,756	-86,756	170,654
13	Jan-13	0	86,756	0	86,756	-86,756	170,654
14	Jan-14	0	86,756	0	86,756	-86,756	170,654
15	Jan-15	0	86,756	0	86,756	-86,756	170,654
16	Jan-16	0	86,756	0	86,756	-86,756	170,654
17	Jan-17	0	86,756	0	86,756	-86,756	170,654
18	Jan-18	0	86,756	0	86,756	-86,756	170,654
19	Jan-19	0	86,756	0	86,756	-86,756	170,654
20	Jan-20	0	86,756	0	86,756	-86,756	170,654
21	Jan-21	0	86,756	0	86,756	-86,756	170,654
22	Jan-22	0	86,756	0	86,756	-86,756	170,654
23	Jan-23	0	86,756	0	86,756	-86,756	170,654
24	Jan-24	0	86,756	0	86,756	-86,756	170,654
25	Jan-25	0	86,756	0	86,756	-86,756	170,654
26	Jan-26	0	86,756	0	86,756	-86,756	170,654
27	Jan-27	0	86,756	0	86,756	-86,756	170,654
28	Jan-28	0	86,756	0	86,756	-86,756	170,654
29	Jan-29	0	86,756	0	86,756	-86,756	170,654
30	Jan-30	0	86,756	0	86,756	-86,756	170,654
31	Jan-31	0	86,756	0	86,756	-86,756	170,654
32	Jan-32	0	86,756	0	86,756	-86,756	170,654
33	Jan-33	0	86,756	0	86,756	-86,756	170,654
34	Jan-34	0	86,756	0	86,756	-86,756	170,654
35	Jan-35	0	86,756	0	86,756	-86,756	170,654
36	Jan-36	0	86,756	0	86,756	-86,756	170,654
37	Jan-37	0	86,756	0	86,756	-86,756	170,654
38	Jan-38	0	86,756	0	86,756	-86,756	170,654
39	Jan-39	0	86,756	0	86,756	-86,756	170,654
40	Jan-40	0	86,756	0	86,756	-86,756	170,654
41	Jan-41	0	86,756	0	86,756	-86,756	170,654
42	Jan-42	0	86,756	0	86,756	-86,756	170,654
43	Jan-43	0	86,756	0	86,756	-86,756	170,654

	Annual	Term	Periods per	Start
Principal:	interest rate:	(years):	year:	date:
436,640	9.00%	7	7 1	1/1/2001
Periodic Payment:		Number of	payments:	
86,756		7	7	

Payment		Beginning	Total			Ending	Cumulative
No	Month	balance	payment	Interest	Principal	balance	interest
44	Jan-44	0	86,756	0	86,756	-86,756	170,654
45	Jan-45	0	86,756	0	86,756	-86,756	170,654
46	Jan-46	0	86,756	0	86,756	-86,756	170,654
47	Jan-47	0	86,756	0	86,756	-86,756	170,654
48	Jan-48	0	86,756	0	86,756	-86,756	170,654
49	Jan-49	0	86,756	0	86,756	-86,756	170,654
50	Jan-50	0	86,756	0	86,756	-86,756	170,654
51	Jan-51	0	86,756	0	86,756	-86,756	170,654
52	Jan-52	0	86,756	0	86,756	-86,756	170,654
53	Jan-53	0	86,756	0	86,756	-86,756	170,654
54	Jan-54	0	86,756	0	86,756	-86,756	170,654
55	Jan-55	0	86,756	0	86,756	-86,756	170,654
56	Jan-56	0	86,756	0	86,756	-86,756	170,654
57	Jan-57	0	86,756	0	86,756	-86,756	170,654
58	Jan-58	0	86,756	0	86,756	-86,756	170,654
59	Jan-59	0	86,756	0	86,756	-86,756	170,654
60	Jan-60	0	86,756	0	86,756	-86,756	170,654
61	Jan-61	0	86,756	0	86,756	-86,756	170,654
62	Jan-62	0	86,756	0	86,756	-86,756	170,654
63	Jan-63	0	86,756	0	86,756	-86,756	170,654
64	Jan-64	0	86,756	0	86,756	-86,756	170,654
65	Jan-65	0	86,756	0	86,756	-86,756	170,654
66	Jan-66	0	86,756	0	86,756	-86,756	170,654
67	Jan-67	0	86,756	0	86,756	-86,756	170,654
68	Jan-68	0	86,756	0	86,756	-86,756	170,654
69	Jan-69	0	86,756	0	86,756	-86,756	170,654
70	Jan-70	0	86,756	0	86,756	-86,756	170,654
70	Jan-71	0	86,756	0	86,756	-86,756	170,654
72	Jan-72	0	86,756	0	86,756	-86,756	170,654
73	Jan-73	0	86,756	0	86,756	-86,756	170,654
74	Jan-74	0	86,756	0	86,756	-86,756	170,654
75	Jan-75	0	86,756	0	86,756	-86,756	170,654
76	Jan-76	0	86,756	0	86,756	-86,756	170,654
70	Jan-77	0	86,756	0	86,756	-86,756	170,654
78	Jan-78	0	86,756	0	86,756	-86,756	170,654
79	Jan-79	0	86,756	0	86,756	-86,756	170,654
80	Jan-80	0	86,756	0	86,756	-86,756	170,654
81	Jan-81	0	86,756	0	86,756	-86,756	170,054
82	Jan-82	0	86,756	0	86,756	-86,756	170,054
83	Jan-83	0	86,756	0	86,756	-86,756	170,054
84	Jan-84	0	86,756	0	86,756	-86,756	170,054
85	Jan-85	0	86,756	0	86,756	-86,756	170,054
86	Jan-86	0	86,756	0	86,756	-86,756	170,054
87	Jan-87	0	86,756	0	86,756	-86,756	170,054
88	Jan-88	0	86,756	0	86,756 86,756	-86,756	170,654
89	Jan-89	0	86,756	0	86,756 86,756	-86,756	170,654
09	Jan-09	0	00,700	0	00,700	-00,700	170,004

	Annual		Periods per	Start
Principal:	interest rate:	(years):	year:	date:
436,640	9.00%	7		1/1/2001
Periodic Paymen	t:	Number of	payments:	
86,756		7	7	

Payment		Beginning	Total			Ending	Cumulative
No	Month	balance	payment	Interest	Principal	balance	interest
90	Jan-90	0	86,756	0	86,756	-86,756	170,654
91	Jan-91	0	86,756	0	86,756	-86,756	170,654
92	Jan-92	0	86,756	0	86,756	-86,756	170,654
93	Jan-93	0	86,756	0	86,756	-86,756	170,654
94	Jan-94	0	86,756	0	86,756	-86,756	170,654
95	Jan-95	0	86,756	0	86,756	-86,756	170,654
96	Jan-96	0	86,756	0	86,756	-86,756	170,654
97	Jan-97	0	86,756	0	86,756	-86,756	170,654
98	Jan-98	0	86,756	0	86,756	-86,756	170,654
99	Jan-99	0	86,756	0	86,756	-86,756	170,654
100	Jan-00	0	86,756	0	86,756	-86,756	170,654

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	Annual		Periods per	Start
Principal:	interest rate:	(years):	year:	date:
175,000	9.00%		1 1	8/1/2000
Periodic Paymen	it:	Number of	payments:	
190,750			1	

Payment		Beginning	Total			Ending	Cumulative
No	Month	balance	payment	Interest	Principal	balance	interest
1	Aug-00	175,000	190,750	15,750	175,000	0	15,750
2	Aug-01	0	190,750	0	190,750	-190,750	15,750
3	Aug-02	0	190,750	0	190,750	-190,750	15,750
4	Aug-03	0	190,750	0	190,750	-190,750	15,750
5	Aug-04	0	190,750	0	190,750	-190,750	15,750
6	Aug-05	0	190,750	0	190,750	-190,750	15,750
7	Aug-06	0	190,750	0	190,750	-190,750	15,750
8	Aug-07	0	190,750	0	190,750	-190,750	15,750
9	Aug-08	0	190,750	0	190,750	-190,750	15,750
10	Aug-09	0	190,750	0	190,750	-190,750	15,750
11	Aug-10	0	190,750	0	190,750	-190,750	15,750
12	Aug-11	0	190,750	0	190,750	-190,750	15,750
13	Aug-12	0	190,750	0	190,750	-190,750	15,750
14	Aug-13	0	190,750	0	190,750	-190,750	15,750
15	Aug-14	0	190,750	0	190,750	-190,750	15,750
16	Aug-15	0	190,750	0	190,750	-190,750	15,750
17	Aug-16	0	190,750	0	190,750	-190,750	15,750
18	Aug-17	0	190,750	0	190,750	-190,750	15,750
19	Aug-18	0	190,750	0	190,750	-190,750	15,750
20	Aug-19	0	190,750	0	190,750	-190,750	15,750
21	Aug-20	0	190,750	0	190,750	-190,750	15,750
22	Aug-21	0	190,750	0	190,750	-190,750	15,750
23	Aug-22	0	190,750	0	190,750	-190,750	15,750
24	Aug-23	0	190,750	0	190,750	-190,750	15,750
25	Aug-24	0	190,750	0	190,750	-190,750	15,750
26	Aug-25	0	190,750	0	190,750	-190,750	15,750
27	Aug-26	0	190,750	0	190,750	-190,750	15,750
28	Aug-27	0	190,750	0	190,750	-190,750	15,750
29	Aug-28	0	190,750	0	190,750	-190,750	15,750
30	Aug-29	0	190,750	0	190,750	-190,750	15,750
31	Aug-30	0	190,750	0	190,750	-190,750	15,750
32	Aug-31	0	190,750	0	190,750	-190,750	15,750
33	Aug-32	0	190,750	0	190,750	-190,750	15,750
34	Aug-33	0	190,750	0	190,750	-190,750	15,750
35	Aug-34	0	190,750	0	190,750	-190,750	15,750
36	Aug-35	0	190,750	0	190,750	-190,750	15,750
37	Aug-36	0	190,750	0	190,750	-190,750	15,750
38	Aug-37	0	190,750	0	190,750	-190,750	15,750
39	Aug-38	0	190,750	0	190,750	-190,750	15,750
40	Aug-39	0	190,750	0	190,750	-190,750	15,750
41	Aug-40	0	190,750	0	190,750	-190,750	15,750
42	Aug-41	0	190,750	0	190,750	-190,750	15,750
43	Aug-42	0	190,750	0	190,750	-190,750	15,750

	Annual	Term	Periods per	Start
Principal:	interest rate:	(years):	year:	date:
175,000	9.00%	-	1 1	8/1/2000
Periodic Paymen 190,750	t:	Number of	payments: I	

No. Month balance payment Interest Principal balance interest 44 Aug-43 0 190,750 0 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 <td< th=""><th>Payment</th><th></th><th>Beginning</th><th>Total</th><th></th><th></th><th>Ending</th><th>Cumulative</th></td<>	Payment		Beginning	Total			Ending	Cumulative
44 Aug-43 0 190,750 0 190,750 -190,750 15,750 45 Aug-45 0 190,750 0 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750 190,750	-	Month			Interest	Principal	•	
45 Aug-45 0 190,750 0 190,750 -190,750 15,750 46 Aug-46 0 190,750 0 190,750 -190,750 15,750 47 Aug-46 0 190,750 0 190,750 -190,750 15,750 48 Aug-47 0 190,750 0 190,750 -190,750 15,750 50 Aug-49 0 190,750 0 190,750 190,750 15,750 51 Aug-52 0 190,750 0 190,750 190,750 15,750 52 Aug-53 0 190,750 0 190,750 190,750 15,750 54 Aug-55 0 190,750 0 190,750 190,750 15,750 55 Aug-56 0 190,750 190,750 190,750 15,750 56 Aug-58 0 190,750 190,750 190,750 15,750 58 Aug-61 0								
46 Aug-45 0 190,750 0 190,750 -190,750 15,750 47 Aug-46 0 190,750 0 190,750 -190,750 15,750 48 Aug-47 0 190,750 0 190,750 -190,750 15,750 50 Aug-48 0 190,750 0 190,750 -190,750 15,750 51 Aug-52 0 190,750 0 190,750 -190,750 15,750 52 Aug-53 0 190,750 0 190,750 -190,750 15,750 55 Aug-53 0 190,750 0 190,750 -190,750 15,750 56 Aug-56 0 190,750 0 190,750 -190,750 15,750 58 Aug-57 0 190,750 0 190,750 190,750 15,750 59 Aug-63 0 190,750 0 190,750 15,750 15,750 61	45				0			
47 Aug-46 0 190,750 0 190,750 1-90,750 15,750 48 Aug-47 0 190,750 0 190,750 190,750 15,750 50 Aug-48 0 190,750 0 190,750 190,750 15,750 51 Aug-50 0 190,750 0 190,750 190,750 15,750 52 Aug-51 0 190,750 0 190,750 190,750 15,750 53 Aug-52 0 190,750 0 190,750 190,750 15,750 54 Aug-53 0 190,750 0 190,750 190,750 15,750 56 Aug-56 0 190,750 0 190,750 190,750 15,750 58 Aug-57 0 190,750 0 190,750 190,750 15,750 59 Aug-58 0 190,750 0 190,750 190,750 15,750 61 Au		-						
48 Aug-47 0 190,750 0 190,750 -190,750 15,750 49 Aug-48 0 190,750 0 190,750 -190,750 15,750 51 Aug-50 0 190,750 0 190,750 -190,750 15,750 52 Aug-51 0 190,750 0 190,750 -190,750 15,750 53 Aug-52 0 190,750 0 190,750 -190,750 15,750 54 Aug-53 0 190,750 0 190,750 -190,750 15,750 56 Aug-56 0 190,750 0 190,750 190,750 15,750 58 Aug-57 0 190,750 0 190,750 190,750 15,750 59 Aug-58 0 190,750 0 190,750 190,750 15,750 61 Aug-61 0 190,750 190,750 190,750 15,750 62 Aug-61		-						
49 Aug-48 0 190,750 0 190,750 -190,750 15,750 50 Aug-49 0 190,750 0 190,750 -190,750 15,750 52 Aug-51 0 190,750 0 190,750 -190,750 15,750 53 Aug-53 0 190,750 0 190,750 -190,750 15,750 54 Aug-53 0 190,750 0 190,750 -190,750 15,750 56 Aug-54 0 190,750 0 190,750 -190,750 15,750 57 Aug-56 0 190,750 0 190,750 190,750 15,750 58 Aug-57 0 190,750 0 190,750 190,750 15,750 59 Aug-63 0 190,750 0 190,750 190,750 15,750 61 Aug-63 0 190,750 0 190,750 15,750 62 Aug-61 <t< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		-						
50 $Aug-49$ 0190,7500190,750-190,75015,75051 $Aug-51$ 0190,7500190,750-190,75015,75053 $Aug-52$ 0190,7500190,750-190,75015,75054 $Aug-53$ 0190,7500190,750-190,75015,75055 $Aug-54$ 0190,7500190,750-190,75015,75056 $Aug-56$ 0190,7500190,750-190,75015,75057 $Aug-56$ 0190,7500190,750-190,75015,75058 $Aug-57$ 0190,7500190,750-190,75015,75059 $Aug-58$ 0190,7500190,750-190,75015,75061 $Aug-61$ 0190,7500190,750-190,75015,75062 $Aug-61$ 0190,7500190,750-190,75015,75063 $Aug-62$ 0190,7500190,750190,75015,75064 $Aug-63$ 0190,7500190,750-190,75015,75066 $Aug-66$ 0190,7500190,75015,75067 $Aug-68$ 0190,7500190,75015,75070 $Aug-68$ 0190,7500190,75015,75071 $Aug-67$ 0190,7500190,75015,75072 $Aug-77$ 0190								
51 Aug-50 0 190,750 0 190,750 -190,750 15,750 52 Aug-51 0 190,750 0 190,750 -190,750 15,750 53 Aug-52 0 190,750 0 190,750 -190,750 15,750 54 Aug-53 0 190,750 0 190,750 -190,750 15,750 56 Aug-56 0 190,750 0 190,750 -190,750 15,750 57 Aug-56 0 190,750 0 190,750 -190,750 15,750 58 Aug-57 0 190,750 0 190,750 -190,750 15,750 60 Aug-60 0 190,750 0 190,750 -190,750 15,750 61 Aug-62 0 190,750 0 190,750 190,750 15,750 62 Aug-63 0 190,750 0 190,750 15,750 63 Aug-64								
52Aug-510190,7500190,750-190,75015,750 53 Aug-520190,7500190,750-190,75015,750 54 Aug-530190,7500190,750-190,75015,750 56 Aug-540190,7500190,750-190,75015,750 56 Aug-550190,7500190,750-190,75015,750 57 Aug-560190,7500190,750-190,75015,750 59 Aug-580190,7500190,750-190,75015,750 60 Aug-610190,7500190,750-190,75015,750 61 Aug-620190,7500190,750-190,75015,750 62 Aug-610190,7500190,750-190,75015,750 63 Aug-620190,7500190,750-190,75015,750 64 Aug-630190,7500190,750-190,75015,750 66 Aug-660190,7500190,750-190,75015,750 67 Aug-670190,7500190,750-190,75015,750 69 Aug-680190,7500190,750-190,75015,750 70 Aug-690190,7500190,750-190,75015,750 74 Aug-730190,7500190,750-190,750								
53 $Aug-52$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 54 $Aug-53$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 55 $Aug-54$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 57 $Aug-56$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 57 $Aug-56$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 58 $Aug-57$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 60 $Aug-58$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 61 $Aug-60$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 62 $Aug-61$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 63 $Aug-62$ 0 $190,750$ $190,750$ $-190,750$ $15,750$ 64 $Aug-63$ 0 $190,750$ $190,750$ $-190,750$ $15,750$ 66 $Aug-64$ 0 $190,750$ $190,750$ $-190,750$ $15,750$ 67 $Aug-66$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 68 $Aug-67$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 71 $Aug-71$ 0 $190,750$ 0 $190,750$ $-190,750$ $15,750$ 72 $Aug-71$ 0 $190,750$ 0 $190,750$ <		-						
54 Aug-53 0 190,750 0 190,750 -190,750 15,750 55 Aug-56 0 190,750 0 190,750 -190,750 15,750 56 Aug-56 0 190,750 0 190,750 -190,750 15,750 58 Aug-57 0 190,750 0 190,750 -190,750 15,750 59 Aug-58 0 190,750 0 190,750 -190,750 15,750 60 Aug-60 0 190,750 0 190,750 -190,750 15,750 62 Aug-61 0 190,750 0 190,750 -190,750 15,750 63 Aug-62 0 190,750 0 190,750 190,750 15,750 64 Aug-63 0 190,750 0 190,750 190,750 15,750 65 Aug-64 0 190,750 190,750 190,750 15,750 66 Aug-67		-						
55 Aug-54 0 190,750 0 190,750 -190,750 15,750 56 Aug-55 0 190,750 0 190,750 -190,750 15,750 57 Aug-56 0 190,750 0 190,750 -190,750 15,750 59 Aug-53 0 190,750 0 190,750 -190,750 15,750 60 Aug-60 0 190,750 0 190,750 -190,750 15,750 61 Aug-60 0 190,750 0 190,750 -190,750 15,750 63 Aug-62 0 190,750 0 190,750 -190,750 15,750 64 Aug-63 0 190,750 0 190,750 190,750 15,750 65 Aug-64 0 190,750 0 190,750 190,750 15,750 66 Aug-66 0 190,750 0 190,750 190,750 15,750 69					0			
56 Aug-55 0 190,750 0 190,750 -190,750 15,750 57 Aug-56 0 190,750 0 190,750 -190,750 15,750 58 Aug-57 0 190,750 0 190,750 -190,750 15,750 60 Aug-59 0 190,750 0 190,750 -190,750 15,750 61 Aug-60 0 190,750 0 190,750 -190,750 15,750 62 Aug-61 0 190,750 0 190,750 -190,750 15,750 63 Aug-63 0 190,750 0 190,750 -190,750 15,750 64 Aug-63 0 190,750 0 190,750 190,750 15,750 65 Aug-64 0 190,750 0 190,750 190,750 15,750 66 Aug-67 0 190,750 0 190,750 190,750 15,750 70		-						
57 Aug-56 0 190,750 0 190,750 -190,750 15,750 58 Aug-57 0 190,750 0 190,750 -190,750 15,750 59 Aug-58 0 190,750 0 190,750 -190,750 15,750 60 Aug-59 0 190,750 0 190,750 -190,750 15,750 61 Aug-60 0 190,750 0 190,750 -190,750 15,750 62 Aug-61 0 190,750 0 190,750 -190,750 15,750 63 Aug-62 0 190,750 0 190,750 -190,750 15,750 64 Aug-63 0 190,750 0 190,750 -190,750 15,750 65 Aug-64 0 190,750 0 190,750 -190,750 15,750 66 Aug-63 0 190,750 0 190,750 -190,750 15,750 70		-			0			
58 Aug-57 0 190,750 0 190,750 -190,750 15,750 59 Aug-58 0 190,750 0 190,750 -190,750 15,750 60 Aug-69 0 190,750 0 190,750 -190,750 15,750 61 Aug-61 0 190,750 0 190,750 -190,750 15,750 62 Aug-61 0 190,750 0 190,750 -190,750 15,750 63 Aug-62 0 190,750 0 190,750 -190,750 15,750 64 Aug-63 0 190,750 0 190,750 -190,750 15,750 65 Aug-64 0 190,750 0 190,750 -190,750 15,750 66 Aug-63 0 190,750 0 190,750 -190,750 15,750 67 Aug-68 0 190,750 0 190,750 -190,750 15,750 70		-			0			
59 Aug-58 0 190,750 0 190,750 -190,750 15,750 60 Aug-59 0 190,750 0 190,750 -190,750 15,750 61 Aug-60 0 190,750 0 190,750 -190,750 15,750 62 Aug-62 0 190,750 0 190,750 -190,750 15,750 63 Aug-63 0 190,750 0 190,750 -190,750 15,750 64 Aug-63 0 190,750 0 190,750 -190,750 15,750 65 Aug-64 0 190,750 0 190,750 -190,750 15,750 66 Aug-65 0 190,750 0 190,750 15,750 67 Aug-66 0 190,750 0 190,750 15,750 68 Aug-67 0 190,750 0 190,750 15,750 71 Aug-68 0 190,750 0 </td <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td>					0			
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61Aug-600190,7500190,750-190,75015,75062Aug-610190,7500190,750-190,75015,75063Aug-620190,7500190,750-190,75015,75064Aug-630190,7500190,750-190,75015,75065Aug-640190,7500190,750-190,75015,75066Aug-650190,7500190,750-190,75015,75067Aug-660190,7500190,750-190,75015,75068Aug-670190,7500190,750-190,75015,75070Aug-680190,7500190,750-190,75015,75071Aug-700190,7500190,750-190,75015,75072Aug-710190,7500190,750-190,75015,75073Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,750-190,75015,75076Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75078Aug-780190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082		-			0	190,750		
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63 Aug-62 0 190,750 0 190,750 -190,750 15,750 64 Aug-63 0 190,750 0 190,750 -190,750 15,750 65 Aug-64 0 190,750 0 190,750 -190,750 15,750 66 Aug-65 0 190,750 0 190,750 -190,750 15,750 67 Aug-66 0 190,750 0 190,750 -190,750 15,750 68 Aug-67 0 190,750 0 190,750 190,750 15,750 69 Aug-68 0 190,750 0 190,750 190,750 15,750 70 Aug-70 0 190,750 0 190,750 190,750 15,750 71 Aug-72 0 190,750 0 190,750 190,750 15,750 73 Aug-72 0 190,750 0 190,750 190,750 15,750 74 <t< td=""><td>62</td><td>Aug-61</td><td>0</td><td>190,750</td><td>0</td><td>190,750</td><td>-190,750</td><td>15,750</td></t<>	62	Aug-61	0	190,750	0	190,750	-190,750	15,750
65Aug-640190,7500190,750-190,75015,75066Aug-650190,7500190,750-190,75015,75067Aug-660190,7500190,750-190,75015,75068Aug-670190,7500190,750-190,75015,75069Aug-680190,7500190,750-190,75015,75070Aug-690190,7500190,750-190,75015,75071Aug-700190,7500190,750-190,75015,75072Aug-710190,7500190,750-190,75015,75073Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,75015,75075Aug-740190,7500190,75015,75076Aug-750190,7500190,75015,75077Aug-760190,7500190,75015,75078Aug-770190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-830190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75084Aug-830190,7500190,750<	63		0	190,750	0	190,750	-190,750	15,750
66Aug-650190,7500190,750-190,75015,75067Aug-660190,7500190,750-190,75015,75068Aug-670190,7500190,750-190,75015,75069Aug-680190,7500190,750-190,75015,75070Aug-690190,7500190,750-190,75015,75071Aug-700190,7500190,750-190,75015,75072Aug-710190,7500190,750-190,75015,75073Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,750-190,75015,75075Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-800190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085	64	Aug-63	0	190,750	0	190,750	-190,750	
67Aug-660190,7500190,750-190,75015,75068Aug-670190,7500190,750-190,75015,75069Aug-680190,7500190,750-190,75015,75070Aug-690190,7500190,750-190,75015,75071Aug-700190,7500190,750-190,75015,75072Aug-710190,7500190,750-190,75015,75073Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,750-190,75015,75075Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085	65	Aug-64	0	190,750	0	190,750	-190,750	15,750
68Aug-670190,7500190,750-190,75015,75069Aug-680190,7500190,750-190,75015,75070Aug-690190,7500190,750-190,75015,75071Aug-700190,7500190,750-190,75015,75072Aug-710190,7500190,750-190,75015,75073Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,750-190,75015,75075Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-810190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086	66	Aug-65	0	190,750	0	190,750	-190,750	15,750
69Aug-680190,7500190,750-190,75015,75070Aug-690190,7500190,750-190,75015,75071Aug-700190,7500190,750-190,75015,75072Aug-710190,7500190,750-190,75015,75073Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,750-190,75015,75075Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087	67	Aug-66	0	190,750	0	190,750	-190,750	15,750
70Aug-690190,7500190,750-190,75015,75071Aug-700190,7500190,750-190,75015,75072Aug-710190,7500190,750-190,75015,75073Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,750-190,75015,75075Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-830190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087	68	Aug-67	0	190,750	0	190,750	-190,750	15,750
71Aug-700190,7500190,750-190,75015,75072Aug-710190,7500190,750-190,75015,75073Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,750-190,75015,75075Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088	69	Aug-68	0	190,750	0	190,750	-190,750	15,750
72Aug-710190,7500190,750-190,75015,75073Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,750-190,75015,75075Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750 <td>70</td> <td>Aug-69</td> <td>0</td> <td>190,750</td> <td>0</td> <td>190,750</td> <td>-190,750</td> <td>15,750</td>	70	Aug-69	0	190,750	0	190,750	-190,750	15,750
73Aug-720190,7500190,750-190,75015,75074Aug-730190,7500190,750-190,75015,75075Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	71	Aug-70	0	190,750	0	190,750	-190,750	15,750
74Aug-730190,7500190,750-190,75015,75075Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	72	Aug-71	0	190,750	0	190,750	-190,750	15,750
75Aug-740190,7500190,750-190,75015,75076Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	73	Aug-72	0	190,750	0	190,750	-190,750	15,750
76Aug-750190,7500190,750-190,75015,75077Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	74	Aug-73	0	190,750	0	190,750	-190,750	15,750
77Aug-760190,7500190,750-190,75015,75078Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	75	Aug-74	0	190,750	0	190,750	-190,750	15,750
78Aug-770190,7500190,750-190,75015,75079Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	76	Aug-75	0	190,750	0	190,750	-190,750	15,750
79Aug-780190,7500190,750-190,75015,75080Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750			0	190,750	0	190,750	-190,750	15,750
80Aug-790190,7500190,750-190,75015,75081Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	78		0	190,750	0		-190,750	15,750
81Aug-800190,7500190,750-190,75015,75082Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	79	Aug-78	0	190,750	0	190,750	-190,750	15,750
82Aug-810190,7500190,750-190,75015,75083Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	80	Aug-79	0	190,750	0	190,750	-190,750	15,750
83Aug-820190,7500190,750-190,75015,75084Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	81		0	190,750	0	190,750	-190,750	15,750
84Aug-830190,7500190,750-190,75015,75085Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750	82	Aug-81	0	190,750	0	190,750	-190,750	15,750
85Aug-840190,7500190,750-190,75015,75086Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750		Aug-82	0	190,750	0	190,750	-190,750	15,750
86Aug-850190,7500190,750-190,75015,75087Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750		-	0		0			
87Aug-860190,7500190,750-190,75015,75088Aug-870190,7500190,750-190,75015,750		-						
88 Aug-87 0 190,750 0 190,750 -190,750 15,750		-			0			
		-						
89 Aug-88 0 190,750 0 190,750 -190,750 15,750		-						
	89	Aug-88	0	190,750	0	190,750	-190,750	15,750

1		Annual	Term	Periods per	Start		
	Principal:	interest rate:	(years):	year:	date:		
	175,000	9.00%	1		8/1/2000		
	Periodic Paymen	t:	Number of payments:				
	190,750			1			

Payment		Beginning	Total			Ending	Cumulative
No	Month	balance	payment	Interest	Principal	balance	interest
90	Aug-89	0	190,750	0	190,750	-190,750	15,750
91	Aug-90	0	190,750	0	190,750	-190,750	15,750
92	Aug-91	0	190,750	0	190,750	-190,750	15,750
93	Aug-92	0	190,750	0	190,750	-190,750	15,750
94	Aug-93	0	190,750	0	190,750	-190,750	15,750
95	Aug-94	0	190,750	0	190,750	-190,750	15,750
96	Aug-95	0	190,750	0	190,750	-190,750	15,750
97	Aug-96	0	190,750	0	190,750	-190,750	15,750
98	Aug-97	0	190,750	0	190,750	-190,750	15,750
99	Aug-98	0	190,750	0	190,750	-190,750	15,750
100	Aug-99	0	190,750	0	190,750	-190,750	15,750