* Land Economics * Real Estate * Public Finance

Public Review Draft

ECONOMIC ANALYSIS OF NATOMAS BASIN HABITAT CONSERVATION PLAN

Prepared for:

Sacramento Area Flood Control Agency (SAFCA)

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I. INTRODUCTION AND SUMMARY

INTRODUCTION

Urban development within the 53,342-acre interior area of the Natomas Basin will impact wildlife habitat. Proposed development projects include buildout of South Natomas, Natomas West and North Natomas in the City of Sacramento, North Natomas and the Sacramento Metro Airport expansion in the County of Sacramento and three new "towns" in south Sutter County. Portions of the South Sutter County General Plan amendment were rejected by voters in 1992, but some parcels in the planning area may yet develop. The Natomas Basin Habitat Conservation Plan (NBHCP) addresses the potential for 17,500 gross acres of urban development during the next fifty years. Although the Plan references current development proposals, the Plan can mitigate for future urban development that occurs anywhere in the Basin if the project developer chooses to participate in the Plan.

The purpose of the NBHCP is the preservation, enhancement, and management of wildlife habitat values in the Natomas Basin along with economic development and the continuation of agriculture. Although the NBHCP covers a variety of plant and animal species, the Plan focuses on "two listed species known to be widely distributed in the Basin that would be impacted by anticipated urbanization - the giant garter snake and the Swainson's hawk. The giant garter snake inhabits rice fields and drainage canals in the Basin. The Swainson's hawk generally nests along the Sacramento River but may forage in the Basin. Other species are more localized or believed to be present by association with particular habitats such as vernal pools or elderberry bushes." (NBHCP) This economic analysis focuses primarily on giant garter snake (GGS) habitat values since it is not anticipated that substantial development will occur in Swainson's hawk nesting and foraging areas (see Figure 17 of NBHCP - Swainson's Hawk Mitigation Zone).

The Natomas Basin Conservancy (NBC), a non-profit corporation, has been established to ensure that sufficient habitat land is acquired, restored/enhanced and maintained in accordance with the provisions of the Plan. In addition, income-generating activities on NBC lands will ensure long-term funding of the operations and maintenance of habitat lands. By incidentally providing habitat for migratory wintering waterfowl, the NBC will generate revenues from the sale of waterfowl hunting rights. The NBC will also lease rice lands to farmers for additional long-term revenues.

Participation in the NBHCP is voluntary and requires that urban development mitigate its impact on habitat loss by paying a mitigation fee providing funds for land acquisition, habitat restoration/ enhancement and continued operations and maintenance of the habitat lands. Per the NBHCP, each jurisdiction will require all new development in the Natomas Basin to demonstrate suitable protected species mitigation and compliance with state and federal law. This will take the form of a notice from the NBC that a fee has been paid for a specific acreage and map, or that some alternative mitigation or exemption from mitigation has been approved by the U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Game (CDFG).

DESCRIPTION OF MITIGATION FEE

The NBHCP provides for a mitigation fee paid by developing property owners to fund the acquisition and restoration/enhancement cost of habitat lands. The fee is currently estimated at \$2,240 per gross acre. The majority of the operation and management activities will be funded from activities on the land such as duck, pheasant and dove hunting in combination with the leasing of rice lands. In addition, a portion of the mitigation fee provides for management and administration of the habitat lands plus an operations and maintenance endowment fund and a 2% administrative allowance for the collection of the fee. The portion of the fee set aside for land acquisition, restoration/enhancement, and operations may be used for any of these functions based on the priorities established by the NBHCP. The shares for the endowment fund and 2% administrative component are to be used entirely and exclusively for their respective purposes.

The cost estimates presented in this report are in 1995 dollars and are based on the best cost estimates available at this time. The NBHCP provides that every year, an appropriate inflation adjustment factor will be applied to the fee, not to exceed 10% in any one year.

After the initial base fee is established, the NBC may conduct an annual or other periodic review of acquisition, restoration/enhancement, operations/maintenance and administrative costs. Based on these reviews, necessary adjustments to the fee program will occur. If land acquisition or restoration/enhancement costs change significantly in either direction, or if other funding becomes available, the fee should be adjusted accordingly. The total adjustment is limited to a 50% cumulative increase over the base fee adjusted for inflation.

PURPOSE OF ECONOMIC ANALYSIS

The purpose of this economic analysis is to determine if the mitigation fees and on-going revenues from the Natomas Basin HCP will be sufficient to fund the land acquisition and the on-going costs to restore and enhance habitat land for the preservation and proliferation of the giant garter snake and other species. The analysis breaks down the acquisition, restoration/enhancement and operating cost and revenue activities of the NBHCP to test whether or not the Plan is financially viable. This information will be used to satisfy the USFWS required finding that the Plan is adequately funded, in order to approve a Section 10(a) Permit.

SUMMARY OF ECONOMIC FINDINGS

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The general conclusions of this analysis are summarized below. The detailed assumptions and analysis are fully described in the body of the report.

1. The proposed mitigation fee is adequate to fund land acquisition on a timely basis in conjunction with the level of anticipated urban development. The ability to acquire the

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necessary mitigation lands at an affordable price depends in part on the ability to acquire mitigation lands out of the Natomas Basin. The fee is adjustable to a 50% increase above the base amount if the average land acquisition price increases.

- 2. The mitigation fee is adequate to provide restoration and enhancement of habitat lands in conjunction with the amount of lands acquired annually.
- 3. The operations, maintenance and administrative responsibilities of the NBC must have some level of both on-going hunting and rice cultivation to be fully funded. The share of habitat lands used for rice are fairly constant over time while the total amount of rice acreage owned by the NBC increases. The share of land necessary for hunting declines as the total amount of habitat acreage increases.
- 4. An initial acquisition prior to any development requiring mitigation is required by the NBHCP. The initial acquisition of habitat land (approximately 400 acres) proposed in the HCP requires some advanced funding such as advanced development mitigation fees, Federal and State grants, or some other source. The restoration and enhancement also requires an initial up-front funding source. The majority of the lands acquired after the initial acquisition need to be utilized for rice and hunting during the first five to ten years after the first 400 acres (initial acquisition) have been converted to marsh.

SUMMARY OF SENSITIVITY ANALYSIS FINDINGS

- 1. The most significant variable affecting the ability of the mitigation fee to fund the HCP is the land acquisition cost component. The Plan limits the fee increases to 50% of the annually adjusted base fee. Under the Plan, the fee would exceed this cap if land acquisition costs increased from \$3,325 (1995\$) per acre to approximately \$5,500 per acre (1995\$), an increase of 65%. As stated earlier, the Plan provides for out-of-basin mitigation to relieve market pressure if the demand/supply pressures cause land prices in the basin to increase significantly. In addition, any operating surpluses generated from the revenue generating activities (rice and hunting) could be used to supplement the acquisition funding.
- 2. Some rice cultivation and waterfowl hunting is required to provide funding for the cost of on-going operation and maintenance of the acquired habitat land. This analysis assumes 75% of the mitigation lands are in rice cultivation and 40-50% of the lands are hunted for waterfowl. These levels are necessary during the early years of the NBHCP but may be reduced after the program is established. If the levels of revenue generating activities decrease, the fee may be adjusted up to the cap or the management program may be adjusted within minimum biological objectives. In addition, the endowment fund and operating surpluses from prior years are also available to supplement operating costs in years where operating costs exceed revenues.

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3. The continuation of rice cultivation and waterfowl hunting provide the greatest assurance for the long term viability of the NBHCP. Other mechanisms that help

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maintain the program include setting aside surpluses into the endowment fund, additional revenue generating activities, the out-of-basin mitigation and cost-effective management practices.

LEGISLATIVE REQUIREMENTS

The giant garter snake is currently protected by the Federal Endangered Species Act (FESA) and the California Endangered Species Act (CESA). The purpose of FESA is to "provide a means whereby the ecosystem upon which endangered and threatened species depend may be conserved, [and] to provide a program for the conservation of such endangered and threatened species..." FESA, as enacted in 1973, has four major provisions 1) Section 4 which covers provisions for listing threatened species, 2) Section 7 which requires consultation with USFWS by federal agencies on federal projects, 3) Section 9 and 11 which prohibit the "taking" of listed endangered species and 4) Sections 7 and 10 which contain provisions for permits to allow "incidental taking" of threatened and endangered species. Once a species has been listed as endangered, FESA provides protection against "takings" and commercial trade.

The only exceptions to these prohibitions on "takings" are Authorized Take Permits and Incidental Take Permits pursuant to Habitat Conservation Plans. Under a HCP, governmental agencies or private landowners may be permitted to "take" threatened and endangered species if the taking is incidental to, and not the purpose of, carrying out an otherwise lawful activity. An applicant for an incidental take permit must submit an HCP to the USFWS for approval. A Section 10(a) permit may be granted if the Secretary finds that:

- 1. The taking will be incidental;
- The HCP will minimize and mitigate impacts of the taking;
- 3. The applicant will provide adequate long term funding for the conservation plan; and
- 4. The taking will not appreciably reduce the likelihood of survival and recovery of the species in the wild.

Similarly, CDFG under CESA may provide a similar incidental take authorization under Section 2081 of the California Fish and Game Code.

The mandate for the development of the NBHCP is also found in part in the U.S. Army Corps of Engineer's 404 permit provisions for the Sacramento Area Flood Control Agency's (SAFCA) Local Project. "The permit applicant shall not begin construction on the pumping station along the East Main Drain or otherwise complete the proposed project by providing 100-year flood protection for the lower American Basin until the Service first issues an incidental take permit and associated implementing agreement pursuant to Section 10(a) (1) (b) of the Act to the City and County of Sacramento, Sutter County and any other parties necessary to guarantee the successful implementation of a habitat conservation plan for the giant garter snake resident in the American Basin. This plan shall be compatible with and a component of the multi-species habitat management plan otherwise required by the Department of the Army as a condition of permit authorization."

The U.S. Army Corps of Engineers will allow for construction of the pumping station as long as the HCP is in the process of being submitted to the USFWS. The pump station may not be utilized until the HCP has been implemented. For timely completion of the pump station, the HCP needs to be submitted to the USFWS by December 1995.

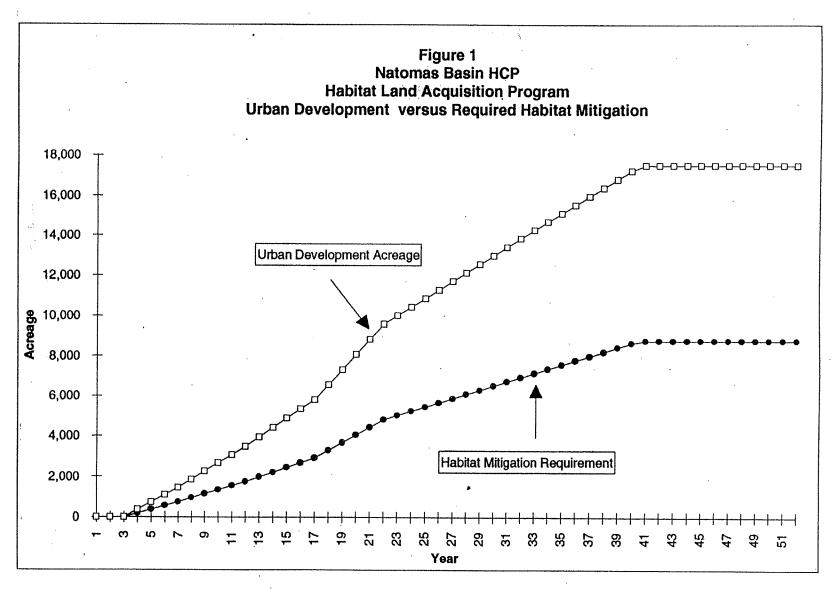
OVERVIEW OF NATOMAS BASIN HABITAT CONSERVATION PLAN (NBHCP)

The NBHCP requires that the loss of giant garter snake and Swainson's hawk habitat be mitigated at a 0.5 to 1.0 ratio meaning that for every gross acre of urban development, a half acre must be acquired, preserved, restored/enhanced and managed for giant garter snake or Swainson's hawk habitat. The habitat lands must be acquired within one year of the disturbance of land due to urban development. **Figure 1** shows a projection of the cumulative development versus required habitat acreage for the 50 year permit period. **Figure 2** shows the cumulative acreage <u>acquired</u> versus the total <u>required</u> habitat acreage for the first ten years including the initial acquisition of 400 acres. Because the initial acquisition is converted entirely to marsh within five years, additional land acquisition is allowed to fall short of the mitigation requirement until year five.

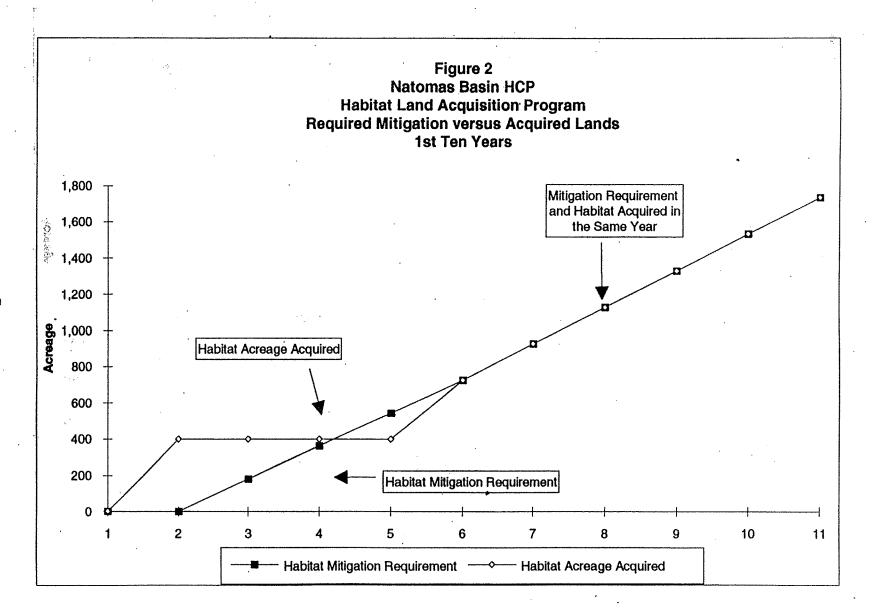
Lands may be acquired by the NBC anywhere within the Natomas Basin that are designated as agriculture or open space on the General Plans (allowing for appropriate urban buffers). In addition, up to 20% may be acquired in "Area B" which is located in Sutter County north and east of the Cross Canal, including the Pleasant Grove "triangle" given scientific demonstration that this area provides adequate habitat values (see Figure 22 of NBHCP - Out-Of-Basin Mitigation Zone). Up to 30% of the mitigation lands can be acquired in "Area C" which is within a 50-mile radius of the Basin to achieve the Plan's multi-species habitat goals.

The habitat will be developed into managed rice lands, uplands, and permanent perennial and seasonal marshes. Overall, about 90 percent of the acquired lands will be maintained as a combination of natural marsh, managed wetlands and cultivated rice. These wetlands may be managed such that the amount of water kept on the land and on every acre of land will vary throughout the year. The remaining 10 percent will be managed as upland habitat within the marsh and rice lands. The upland habitat will provide winter hibernacula for the giant garter snake, as well as provide important forage, nesting and escape cover for a variety of other wildlife species, including the Swainson's Hawk.

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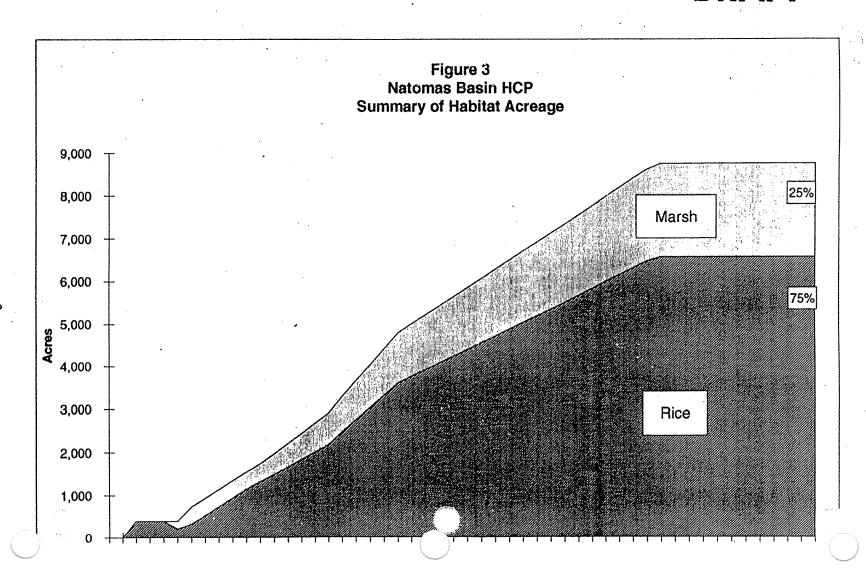


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The existing status of the land impacts the amount of land types acquired. Almost 90% of the undeveloped lands in the Natomas Basin are currently used for agriculture which produces rice (31%), row crops (28%), grain (25%) and various other crops. Although existing wetlands exist in the form of irrigated rice fields, irrigation ditches and drainage canals, the NBHCP requires that new wetlands be created in the form of additional new rice fields or perennial marshes so that up to 75% of the mitigation lands would be in rice and 25% of the mitigation lands would be in marsh. Figure 3 demonstrates the accumulation of acreage over time resulting in 25% marsh and 75% rice at the end of the 50 year permit period.

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II. DEFINITION & ANALYSIS OF BASE SCENARIO

OVERVIEW

This economic analysis defines a base scenario incorporating the major provisions of the NBHCP into a working model to indicate whether the Plan is financially viable under a specific set of conditions. This scenario is not intended to depict exactly how the NBHC will be implemented on an annual basis. This analysis utilizes the framework outlined i NBHCP to demonstrate how the program may operate from a funding perspective. Fig. 4, 4A and 5 summarize the key assumptions utilized for the economic analysis. Support details for operations and management costs plus administrative cost are provided in Figures 6 and 7.

In many cases, the base scenario is defined by percentages of various activities such as the percentages of type of land acquired and use of habitat lands at certain points in time. In general, the NBHCP does not limit the quantities or percentage relationships used in this analysis. Where limits are established such as the percent of marsh lands owned by the at the end of the program (25%), the scenario reflects them. In addition, the scenario assumes that some percentages and quantities are constant over time which may not be case in practice.

The base scenario does not attempt to maximize revenues from rice or hunting, but is clc to a break even analysis. Further, a variety of additional revenue generating activities (discussed on page 24) may be utilized by the NBC which are not included in the base scenario. Any additional revenues from rice, hunting or other activities would enhance to long term viability of the program. The NBC will be responsible for optimizing the operarevenues while maximizing habitat values.

Once the base scenario has been defined and analyzed, alternatives will be tested to evaluate the sensitivity of the program to changing assumptions. The NBHCP contains provision adjust the program and the mitigation fee depending upon future economic and environmental conditions. Adjustments may be made on an annual basis as necessary achieve the goals established by the NBHCP.

The charts demonstrate general trends during the 50-year program assuming average and development of approximately 400-800 acres per year during the first twenty years base. SACOG data and 425 acres per year after the twenty-year period up to 17,500 total acres year 40. Detailed tables showing the acquisitions, cost and revenues over the fifty-year frame in annual increments are contained in **Appendix B**.

The following sections describe the parameters and assumptions used to create the NBI funding scenario.

Figure 4
Natomas Basin HCP
Land Acquisition and Restoration/Enhancements Cost
and Acquired Habitat Land Utilization Assumptions

Part A - Assumptions				Notes:
Inflation	0%			
nterest Rate	2%			
Land Acquisition Values per Acre	Land Value			
In-Basin Lands	\$3,325	80%		\$3,250-\$3,400 per acre range
Out-of-Basin Lands	\$2,000	20%		\$1,500-\$2,500 per acre range
· · · · · · · · · · · · · · · · · · ·	· '			per Dutra Appraisal Service
Average Land Value (1)	\$3,325	20%		Ì
Plus Transaction Costs	\$333			10% of Land Value
Total Land Cost	\$3,658 per	acquired acre	-	
initial Use of In-Basin Lands				
Marsh	25%			includes 10% uplands area
Existing Rice	50%			includes 10% uplands area
Dry Converted to Rice	25%			includes 10% uplands area
Other	0%			
Total Initial Use	100%			•
Rice Converted to Marsh	5% 400	acre initial acq	uisition only	includes 10% uplands area
Rice Lands]
Not Farmable/Uplands	10%			See Figure 4A for detail
Set-Aside/Fallow	9%			See Figure 4A for detail
Leased for Other Crops	30%			See Figure 4A for detail
Leased Rice Base Land	51%			See Figure 4A for detail
Total Rice Lands	100%			
÷.				
	Use	Initial	Weighted	
nitial Restoration/Enhancement	of Land	Costs	Cost	
Marsh	20%	\$350	\$71	DFG estimate of \$200-500/acre
Existing Rice	54%	\$200	\$107	DFG estimate of \$200-500/acre
Dry Converted to Rice	26%	\$350	\$90	DFG estimate of \$200-500/acre
Other	0%	\$350	. \$0	DFG estimate of \$200-500/acre
Subtotal	100%		\$269	279
Rice Converted to Marsh	5%	\$200	\$9	DFG estimate of \$200-500/acre
Average Cost per Habitat Acre	1	•	\$279	weighted average cost per acre

"assumptions"

⁽¹⁾ Assumes all acquisitions occur at the average in-basin land value. Since the primary purpose of out-of-basin mitigation is to relieve the pressure on land prices within the basin, acquiring lands out of the basin off-sets land prices increases within the basin.

Figure 4A Natomas Basin HCP Summary of Rice Farm Land Utilization

	-	Relationship	Percentage	% of Total
	Line #	Btwn. Lands (1)	Multiplier	Rice Lands (2)
Total Rice Lands:		a	. ь	c = a x b
Not Farmable	1	100/		
Farmable	2	10% 90%		10%
Total Rice Lands	- .	100%		90% 100%
Farmable Rice Lands:			•	
Without Rice Base (Other crops)	3	25%	90%	000/
With Rice Base	4	75%	90%	23%
Total Farmable Lands		100%	30/6	68% 90%
Farm Lands without Rice Base:	·		•	
Fallow	5	10%	000/	
Other Crops	6	90%	23% 23%	2%
Total Non Rice Base Land	equals line 3	100%	23%	20% 23 %
Rice Base Land:			•	
Set-aside (Fallow)	7	10%	68%	
Non-pmt. acreage (Flex - other crops)	8	15%	68%	7% 10%
Leased Rice Base Land (planted)	9	75%	68%	51%
Total Rice Base Land	equals line 4	100%	0070	68%
Rice Lands:				
Not Farmable/Uplands	10 = 1			10%
Set-Aside/Fallow	11 = 5 + 7			9%
Leased for Other Crops	12 = 6 + 8			30%
Leased Rice Base Land	13 = 9			51%
Total Rice Lands		•		100%

'rice_lands'

Relationship between lands refers to the proportion of uses for a specific use within the total farm acreage.
 Percent of total rice lands estimates the share of specific uses as a

proportion of the total farm acreage.

Figure 5
Natomas Basin HCP
Operations & Maintenance Assumptions and Estimation of Habitat Mitigation Fee

					Notes:
				· ·	
Operations & Maintenance Costs			•		 Figure 6 for detail
Marsh	\$124	per acre			
Not farmable ag. land	ľ	per acre			roads, drainageways, sheds, etc.
Fallow Rice	į.	per acre			
Land Leased for Planted Rice Base		per acre			
Land Leased for Other Crops	ŧ .	per acre			sugar beets, safflower, etc.
Other	1	per acre		•	Caga: Dood, camono, ca.
Hunting Blinds		per acre		•	
Administrative Costs					Figure 7 for detail
Initial 400 Acre Acquisition	\$50,000	per year			
Subsequent Acquisitions		peryear			phased in over 3- 5 years
After All Land Acquired	· ·	per year	•		
And Al Land Addition	Ψ100,000	par you			
Operations & Maltenance Revenues					
Crop Land Leases					
Planted Rice Base Acreage	\$175	per acre/year	normal ag. pra	ctices	\$150 - \$200 range
Other Crops (Flex. acreage)	\$88	per acre/year	normal ag. pra	ctices	\$150 - \$200 range over 2 years
Hunting				* *	/ A
Ducks	\$1,250	per hunter/year	\$166.67	per acre	30-acre avg./4-person blinds
Dove		per hunter/year			1 hunter per 15 acres
Pheasants	\$70	per hunter/year	\$3.50	per acre	1 hunter per 20 acres
Part B - Estimation of Mitigation Fee			Mitigation Fee		
		Cost per	per Acre of		·
labitat Mitigation Fee	! .	Acre of Habitat			
		а	$b = a \times 0.5$,
Land Acquisition (LA)		\$3,660	\$1,830		
Restoration/Enhancement (RE)		\$280	\$140		
. Administration/O & M	·	\$300	\$150		
O & M Endowment Fund	P. 1	\$150	\$75		
Subtotal Mitigation Fee		\$4,390	\$2,195	• •	
Fee Collection Administration		\$90	\$45		2% of fee for collection
Estimated Total (1995\$)		\$4,480	\$2,240		
Maximum Adjustment (1995\$)	·	\$2,240	\$1,120	•	50% of Base Fee (annually adj.)
Maximum Total (1995\$)	1	\$6,720	\$3,360	_	

"assumptions1"

Figure 6 Natomas Basin HCP Operations & Maintenance Costs by Land Use Activity

•	Total Annual Cost	RD1000, NCMWC & SAFCA O & M	Habitat O & M (2)	Winter Water (3)	Spring/ Summer Water (4)	Prop∉ Tax∈ (5)
Marsh Unfarmable Rice Land Fallow farmland Land Leased for Rice Land Leased for Other Crops Other Hunting	per acre \$124 \$72 \$82 \$72 \$72 \$0 \$47	\$45 \$45 \$45 \$45 \$45 \$0 \$0	\$13 \$6 \$6 \$6 \$6 \$0 \$0	per acre \$0 \$0 \$0 \$0 \$0 \$0 \$33	\$46 \$0 \$0 \$0 \$0 \$0 \$0	\$ 5 9 9

Notes:

- (1) RD-1000 assesses \$17 annually for operations and maintenance of its drainage system and the h Central Mutual Water Company (NCMWC) assesses \$26 annually for operations and maintenance of delivery system. SAFCA levies approximately \$2.00 per ag. acre for Operations & Maintenance A.D.
- (2) Habitat O & M includes discing of ponds and dredging the canals to remove bog and other under cost is estimated at \$35 per acre, but spread over 3 years because only one-third of acreage needs to annually. Since rice cultivation includes discing, only 50% of the habitat O & M cost is in addition to n operating costs reflected above. In addition, security is estimated at \$1 per acre.
- (3) Winter water supplied to lands subject to hunting. Assumes cost is 50% of summer water rate.
- (4) The current cost of water for rice lands is \$66 per acre. The NCMWC has not done a formal ana water needs for marsh, but estimates that it would be similar in nature to rice production. In practice, the marsh and fallow rice lands would not necessarily be kept wet all summer due to rotation of wet/c wetland management practices. This analysis assumes that 70% of the area is kept wet all summer the land is dry uplands.
- (5) Rice lands would be subject to property taxes generally based on capitalized net income of the under the Williamson Act. The Sacramento County Assessor's office estimates the average assessor rice lands at \$800 per acre. If land is not enrolled in Williamson, the A.V. will be based on the land's equivalent to the purchase price. Since Sutter County does not participate in Williamson, this analys 50% of the lands are enrolled in Williamson. Marsh lands may be exempt from property taxes on the no income producing activity (i.e. hunting). This analysis assumes that the marsh does remain on the similar to rice lands.
- (6) Other annual costs reflect on-going costs unique to a land use. (a) Biological solutions to reducmosquitoes will be sought and utilized. NBC marsh land may be subject to additional mosquito about \$26 per acre minimum (four aerial applications of larvicide) per Sac/Yolo Mosquito & Vector Contro Mosquito abatement on rice and marsh lands would be funded from the District's property tax allocaunless the NBC lands generated more than average mosquito larvae compared to non-NBC rice lar
- (b) The 30-acre hunting blinds require an investment of \$1,300 every five years plus \$5 allowance per acre per year for management of the blinds.
- (c) Fallow farmland may require annual discing at a cost of approximately \$10 per acre.

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Figure 7
Natomas Basin HCP
Estimated Annual Natomas Basin Conservancy (NBC) Administrative Costs

	Annual	
	Cost	Notes
Administrative Expenses		
Administrator/Biologist		\$5,000/month including benefits
Secretary		1/2 time, \$10/hour
Benefits	\$3,500	33.5% of salary for sectry
Subtotal	\$73,900	
Office Expense		1,280
Rent 16,360		\$500 / month
Telephone		\$150 / month
Copying	\$2,000	
Office Supplies	\$2,000	
Postage	\$2,000	
Auto Expense	\$7,300	500 miles/week @28 cents/mile
Subtotal	\$21,100	
Miscellaneous Expense		•
Insurance	\$2,500	Liability and E&O
Accounting	\$1,500	
Legal	\$5,000	
Corporate Taxes	\$1,000	
Subtotal	\$10,000	
Contract Work	\$45,000	
Monitoring/Reports, etc.	\$50,000	
The state of the s	***********	,
Total Administration	\$200,000	

"admin"

Source: Cribbs and Associates

Note: Total annual administrative costs highly variable based upon annual activities. This budget represents a typical early year once the program is up and running.

RAO \$ 6 \$1.60 = \$1,28

ASSUMPTIONS

LAND ACQUISITION

Land Acquisition Costs and Revenues

The value of land in and around the Basin depends upon its development potential (speculative value), determined by proximity to other existing or potential urban development and its level of flood protection (100-year protection after the SAFCA Local Project). To aid in the investigation of land values for the majority of agricultural lands to be purchased by the NBC, Dutra Appraisal Service investigated lands with prime giant garter snake habitat in Sacramento County north of Elverta Road. The October 1994 Dutra Appraisal Service appraisal, updated July 5, 1995, indicated an in-basin value between \$3,250 and \$3,400 per acre with an average value of \$3,325 per acre.

In addition, transaction costs (title, legal, etc.) are estimated at 10% of the acquisition price. The land acquisition fee (LA fee) is based on new development providing funds for one-half acre of habitat for every one acre of development. Therefore, the total estimated land acquisition cost is \$3,660 per habitat acre which represents a mitigation fee of \$1,830 per gross developable acre ($$3,660 \times 0.5$).

For purposes of this analysis, the average value of in-basin lands are used to calculate the land acquisition portion of the mitigation fee although out-of-basin acquisitions may occur at a lower cost. A subsequent study by Dutra Appraisal Service estimated values out-of-basin ranging from a low of \$800 per acre in the low-lying areas of the bypass up to \$3,500 per acre for agriculture lands with some speculative value. The likely acquisition price is in the \$1,500 to \$2,500 range for out-of-basin lands. This analysis assumes that 20% of all lands acquired in any given year occur out of the basin in either Area B or C. Since the primary purpose of out-of-basin mitigation is to relieve the pressure on land prices within the basin, acquiring lands out of basin off-sets land price increases within the basin.

The NBHCP provides that approximately 400 acres will be acquired prior to additional urban development in the Basin. This initial acquisition enables the NBC to have a reserve of acreage to jump-start the program by generating operating revenues from hunting and rice. Since no development mitigation fees will have been collected, another funding source is necessary to secure this acquisition. Federal, State or advanced development funding could be used to fund the acquisition of the initial 400 acres. For example, the City of Sacramento will be applying for a state Environmental Enhancement and Mitigation grant for \$500,000. In addition, several federal grants have recently been awarded for other HCPs in California. Such grants could reduce the amount of funding from other sources.

Note: This analysis of the base scenario does not directly account for the increase in land values as land for habitat becomes more scarce in the Basin due to urban development. As stated earlier, up to 50% of the mitigation lands may be purchased in Area B and Area C. As the projected development nears buildout, development pressure may exist for the remaining acreage not already acquired by the NBC. The land acquisition fee will adjust for

increased land acquisition costs up to 50% of the inflation adjusted fee. The Plan's sensitivity to land prices is addressed in the Sensitivity Analysis chapter.

Land Acquisition Program

Figure 8 demonstrates the land acquisition program and accumulation of acreage by habitat type over time for the base scenario. The projected urban development was provided from Sacramento Area Council of Governments (SACOG) housing unit and employee projections in five-year increments through 2015. The SACOG projections assume urban development in South Sutter County based on the proposed General Plan Amendment which has since been partially rejected by voters. This analysis includes the South Sutter development to examine the Plan under a higher level of acquisition requirements. If less development occurs or if development occurs more slowly, the Plan adjusts accordingly (i.e. less land acquired or land acquired more slowly). The detailed development assumptions are provided in **Appendix A** of this report.

The annual mitigation requirement is based on a half acre of habitat acquired for every acre of urban development. This analysis assumes that an initial 400 acres is acquired for rice cultivation and converted to marsh over the next five years. Beginning in year 5, additional mitigation lands will be acquired to mitigate above the 400 acres for the urban development that occurred previously. (The HCP provides that subsequent acquisitions occur within the latter of five years or 1,500 acres of development.) At the time additional lands need to be acquired, the marsh lands are counted towards the total mitigation requirement. Since, the initial 400 acres are in marsh at this time, the additional acquisitions can be entirely rice in every year until the total mitigation lands consist of 25% marsh and 75% rice. Once the initial acreage has been utilized for mitigation, additional acreage will be acquired at approximately the same time as urban development.

Use of Acquired Lands

The location of the lands acquired by the NBC effect the acquisition cost. Figure 8 shows the annual acquisition of acreage based on its usage and the bottom shows the cumulative acreage in rice and marsh as an indictor for the amount of marsh versus rice lands that the NBC manages. As stated above, the NBHCP requires that new wetlands be created in the form of additional new rice fields or perennial marshes in combination with the maintenance of existing rice fields so that up to 75% of the mitigation lands would be in rice and 25% would be in marsh.

In addition, Figure 8 shows the percent of acquired lands used for hunting and the number of duck hunters that this represents. This scenario assumes that in the early years, the majority of the land (70-80%) is leased in the winter for duck, pheasant and dove hunting. As the acreage grows, the percent of acreage hunted declines although the number of total acres hunted increases. In later years, sufficient land is assumed to be leased out to meet the annual operation and maintenance expenses of the NBC. Although this analysis shows only 40% of the lands hunted in the later years, the NBHCP does not limit the amount of acreage potentially hunted as long as it is not in conflict with the overriding goals of the NBHCP.

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Figure 8
Natomas Basin HCP
Habitat Lands Acquired & Restored/Enhanced

	Total	0	1	5	10	20	30	40	50 2045
	1994-2045	,1994	1996	2000	2005	2015	2025	2035	2045
Annual Developed Acreage Cumulative Developed Acreage	17,500.0	0.0 0.0	0.0 0.0	363.0 1,452.0	403.2 3,468.1	754.6 9,581.7	425.0 13,831.7	0.0 17,500.0	0.0 17,500.0
Annual Mitigation Requirement Cumulative Mitigation	8,750.0	0.0 0.0	0.0 0.0	181.5 726.0	201.6 1,734.0	377.3 4,790.9	212.5 6,915.9	0.0 8,750.0	0.0 8,750.0
Habitat Acquired (1) Cumulative Habitat Acreage Surplus	8,750.0	0.0 0.0 0.0	400.0 400.0 400.0	326.0 726.0 0.0	201.6 1,734.0 0.0	377.3 4,790.9 0.0	212.5 6,915.9 0.0	0.0 8,750.0 0.0	0.0 8,750.0 0.0
Land Acquisition Out-of-Basin Lands In-Basin Lands	1,750.0 7,000.0	0.0 0.0	80.0 320.0	65.2 260.8	40.3 161.3	75.5 301.8	42.5 170.0	0.0 0.0	0.0 0.0
Initial Use of Acquired Land Marsh Existing Rice Other Converted to Rice Other		0% 0% 0% 0%	0% 70% 30% 0%	70% 30%	60% 24%	50% 25%	25% 50% 25% 0%	25% 50% 25% 0%	25% 50% 25% 0%
Use of Land Marsh Existing Rice Base Other Converted to Rice Other Subtotal	1,787.1 4,701.7 2,261.3 0.0 8,750.0	0.0 0.0 0.0 0.0 0.0	0.0 280.0 120.0 0.0 400.0	0.0 228.2 97.8 0.0 326.0	33.1 121.0 47.6 0.0 201.6	94.3 188.7 94.3 0.0 377.3	53.1 106.3 53.1 0.0 212.5	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
Rice Converted to Marsh	400.0	0.0	0.0	200.0	0.0	0.0	0.0	0.0	0.0
Cumulative Acreage Marsh Rice Other Subtotal		0.0 0.0 0.0 0.0	0.0 400.0 0.0 400.0	400.0 326.0 0.0 726.0	433.1 1,301.0 0.0 1,734.0	1,197.3 3,593.6 0.0 4,790.9	1,728.5 5,187.4 0.0 6,915.9	2,187.1 6,563.0 0.0 8,750.0	2,187.1 6,563.0 0.0 8,750.0
Hunting Acreage as Percent of Total (4 Hunting Acreage Total Duck Hunters	2)	0% 0.0 0	80% 320.0 43		70% 1,213.8 162	50% 2,395.4 319	40% 2,766.3 369	40% 3,500.0 467	40% 3,500.0 467
Cumulative Acreage Marsh Rice Other		0% 0% 0%	0% 100% , 0%	45%	75%	75%	25% 75% 0%	25% 75% 0%	25% 75% 0%

Source: SACOG Housing and Employment Forecasts

"land_cost_50"

⁽¹⁾ After the first 400 acres is acquired, each year additional habitat is acquired based on the amount of urban development from the prior year.

⁽²⁾ The HCP does not limited the number of acres eligible for hunting. The percentages represent how much may be hunted under this economic analysis, not what necessarily can or will be hunted.

A prominent waterfowl hunting guide felt that sufficient demand exists to fill the available blinds. Currently, duck hunters from the Sacramento metropolitan area travel 80 to 100 miles to the Suisun marshes or Butte sink, but cannot take advantage of changing weather conditions or daily outings due to the distance. Quality hunting areas within a thirty minu drive would likely capture the necessary hunters to fill the blinds.

HABITAT RESTORATION / ENHANCEMENT

The average cost to restore/enhance each acre of land is based on the weighted average of the cost of each land use type. This analysis assumes that each year, 25% of acquired acrea is converted to marsh, 50% of acquired rice fields remain in rice and 25% of acquired non-rifields are converted to rice land. The one exception is the assumption that the initial 400 acres acquired will be used entirely for rice cultivation to jump-start the operating revenues. This 400 acres would be converted to marsh over the next five years. The 10% uplands requirement will be provided in both the marsh and rice fields. At the end of the program, the base scenario assumes the habitat will consist of approximately 25% marsh and 75% rice lands.

The cost to restore or enhance the acquired habitat lands depends upon the existing use of the land and the proposed conversion. The Department of Fish and Game estimates that it costs \$200 to \$500 per acre to restore/enhance wetlands. The majority of the cost involves creating topography to control the flow of water and the construction of levees, checand/or berms for the retention of water. The least expensive lands to enhance are the existing rice lands which have been contoured and developed for water delivery, retention and drainage. Enhancement costs applicable to rice fields may include the construction of checks/berms to optimize the edge for the GGS for refuge, hibernacula and forage. The base scenario assumes that over 50%, on average, of the acquired land would be existing rice fields at an average restoration/enhancement cost of \$200 per acre.

Since the majority of other lands in the Basin have had productive agricultural uses, the topography is fairly level with most parcels having access to irrigation and drainage facilities. Therefore, the cost to convert dry land to managed rice lands, uplands or marsh has been estimated in the middle of the range at \$350 per acre. Twenty-five percent of acquired lands not currently cultivating rice will be converted to managed rice fields to increase the amount of wetlands in the Basin. Based on the above proportions of the variouland use types, the weighted average cost per acre is calculated in **Figure 6** and recreated on the following page.

Initial Land <u>Use Type</u>	Initial <u>Use of Land</u>	Initial Cost Per Acre	Weighted Cost <u>Per Acre</u>
Marsh	20%	\$350	\$71
Existing Rice	54%	\$200	\$107
Dry Converted to Rice	26%	\$350	\$90
Subtotal	100%		\$275
Plus Rice Converted to Marsh	ı 5%	\$200	\$9
Average Cost per Habitat Ac	re		\$279

Therefore, the mitigation fee levied to off-set this cost is \$140 per gross developed acre.

ANNUAL OPERATIONS, MAINTENANCE AND ADMINISTRATION

Operating Costs

The NBC is responsible for the on-going operations, maintenance and administration of the habitat lands. The following table summarizes the average annual cost per acre associated with the various habitat lands during the projected 40-year development period. The percentage of various uses will differ at any point in time. As such, the average cost per habitat acre of managing all habitat lands may vary on an annual basis. Figure 6 provides additional detail and key assumptions for this analysis.

<u>Use Type</u>	40-Year Average Use of Land	Average Annual <u>O &M Cost</u>	Average Annual Weighted Cost
Marsh	25%	\$124	\$31
Unfarmable Ag. Land	7%	\$72	\$5
Fallow Rice	7%	\$82	\$6
Rice Lands Leased for Other Cro	ps 23%	\$72	\$1 7
Leased Rice Base Land	38%	\$72	\$27
Subtotal	100%	4. –	\$86
Hunting	44%	\$47	\$21
Average Annual Cost per Habita	ıt Acre	e e e e e e e e e e e e e e e e e e e	\$107

The base scenario assumes out-of-basin marsh has the same cost functions as land in the Natomas Basin. Our research has indicated that the costs will likely be less outside of the basin which would improve the viability of the Plan, but cannot be accurately estimated due to the variability among locations.

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Income and Property Taxes

The NBC is a non-profit organization under Section 501(c)(3) of the Internal Revenue Code of 1954. As such, income generating activities of the NBC are exempted from federal income taxes. Land held by a non-profit organization is exempt from property taxes if the land qualifies for the Welfare Exemption as defined by Section 214 of the California Revenue and Taxation Code. In general, the land should be used for a "charitable" purpose meaning that the activities on the NBC lands must strictly relate to the purpose of the NBC which is to preserve endangered and threatened species. Although the NBC intends to demonstrate the rice fields do contribute to the proliferation of the giant garter snake, an economic value may be realized for these lands above the habitat value created. If the land is converted to a non-agricultural use such as marsh, the land would have limited economic value (unless waterfowl hunting occurs on these lands) and may therefore qualify for the Welfare Exemption. The base scenario assumes that the marsh lands remain on the tax roll.

A couple of actions could be taken by the NBC to reduce property taxes payable on NBC agricultural lands. The NBC could place a "deed restriction" on the acquired lands to prohibit the lands from developing into urban uses. Then, the NBC can apply to the assessor's office for a reduction in the assessed value from market value to an agricultural value. This restriction essentially removes the speculative value from the land value since this land is prohibited from developing. The deed restriction also assures the public agencies that NBC lands will be maintained for habitat.

Another option to reduce assessed values and property taxes is for the NBC to enroll NBC lands in Sacramento County into the Williamson Act program. Sutter County does not participate in the Williamson Act. The base scenario assumes that 50% of the acquired lands are maintained or enrolled in Williamson. The Act enables counties to offer reduced property taxes to agricultural and open space landowners. By signing a contract with the county, the landowner is taxed based on the value of land held for agricultural or open spaces uses, as opposed to urban uses. In return, the landowner commits to keeping the contracted land in open space or agricultural uses for at least ten years. Since the NBC intends to hold its habitat lands permanently, the Williamson Act would secure the property tax reduction for the long-term. Counties participating in the Williamson Act receive subvention payments from the State to at least partially off-set the property tax loss. In the past years, the State has reimbursed approximately 50% of the property tax value and up to 75% in the most recent years (Source: California Dept. of Conservation - Office of Land Conservation). The base scenario does not address the impact of potential property tax reductions to the City and Counties due solely to the NBHCP.

Mosquito Abatement

Two mosquito abatement districts are responsible for eliminating mosquito larvae and mosquitoes within the Basin - the Sacramento-Yolo and the Sutter-Yuba Mosquito and Vector Control Districts. For that land that produces mosquitoes as a normal part of its activities (rice fields), the application of pesticides to kill mosquito larvae and mosquitoes is funded by the Districts' share of the property tax base. For those that actually create mosquito habitat at a risk to public health and safety (irrigated pastures), that property

owner will have to fund the District's expenses to abate mosquitoes, excluding labor costs. Rice lands are currently not charged in addition to the portion of property taxes allocated to the District because summer water is a necessary component to the cultivation of rice and normal agricultural practices typically minimize the generation of mosquitoes. Practices to reduce mosquitoes include keeping the levees and borders clear of vegetation, the farmers' use of pesticides, and lack of vegetation during early growing season. Given best efforts by farmers to minimize mosquitoes, the District does apply pesticides throughout the summer on rice fields, especially if proximate to an urban area.

Biological solutions to reduce the threat of mosquitoes will be sought and utilized on marsh lands such as the use of mosquito fish which eat the mosquito larvae. As stated above, the most successful technique to reduce mosquitoes is in control of the vegetation and terrain. At this time, it is not known what kind of mosquitoes will be produced in the marshes and the proximity to urban areas. The NBC will work with the mosquito abatement districts to minimize mosquitoes through effective management practices. The primary objective is to maximize GGS habitat and minimize mosquitoes.

The base scenario assumes that the NBC will not be charged above the property tax collections to fund mosquito abatement on the marshes unless the management of these lands poses a greater health risk than currently created by the rice lands. Actual experience in the Basin will determine how the Districts, with direction from the Sacramento-Yolo and Sutter-Yuba Board of Trustees, will minimize the generation of mosquitoes and fund their abatement.

Water Supply and Costs

The sustainability of the marsh land and the ability to provide attractive waterfowl hunting opportunities relies on the availability of summer and winter water at a reasonable cost. Since the NBC will be a landowner within the Natomas Central Mutual Water Company's (NCMWC) service area, it is entitled to receive its proportionate share of water owned by the Company in accordance with the number of shares owned. NBC lands would be entitled to receive water during the agricultural season extending from March through October with the cost per acre depending upon the crop. The NCMWC has not conducted a formal analysis of the water needs for the marsh, but estimates that it would be similar in nature to the water usage of rice production. The current cost of water for rice farms is \$66 per acre. Unlike rice farms, the marsh may retain water on its lands from winter/spring rains. In addition, the marsh may not be flooded up as large ponds. Therefore, every acre of marsh ground may not require summer water from the NCMWC, nor will every acre remain wet all summer. As a result, the base scenario assumes that 70% of the marsh lands require the purchase of summer water from the NCMWC. Actual water usage will depend upon the marsh management regime.

The NBC will need to secure water during the winter season to flood up the rice fields and marsh to attract waterfowl for hunting opportunities. The NCMWC has historically not supplied a significant amount of water during the winter period of October to March. Due to more stringent air quality standards requiring the phasing out of rice straw burning at 10% per year (currently, 30% cannot be burned), other methods for disposing of this straw have

been utilized. The common alternative is the "degradation" of the straw with the application of water to support decomposition. Obviously, this practice requires the farmer to obtain water from NCMWC or construct wells (fairly expensive). The NCMWC believes that the objectives of the NBHCP are consistent with demands posed by air quality standards and will thus be able to provide water to the NBC during the winter months.

Since the practice of providing water during the winter is fairly new, the cost of providing this water as a standard practice has not been determined. The NCMWC estimates that the cost will include: 1) \$10.00 per acre for power, 2) maintenance costs, 3) any increase in maintenance costs caused by continually running water without repairing ditches, and 4) a possible increase in personnel for running water. Without any more information, the base scenario assumes that the cost for winter water will be 50% of the cost of summer water (50% of \$66) or \$33 per acre. The actual cost will be determined by NCMWC after further analysis and additional experience with winter water delivery.

Administrative Costs

The administrative cost of the NBC is a relatively fixed cost that does not substantially increase with the accumulation of acreage, although the total cost may inflate over time. The base scenario projects the total annual cost at \$50,000 until the first 400 acres is converted to marsh and then \$200,000 per year phased in over the next three years. After all habitat lands have been acquired, the administration cost is assumed to decrease by half or to \$100,000 per year. The following summarizes the primary costs associated with administering the NBHCP. The detail for each component is provided in Figure 7.

Estimated
Annual Administration
Cost - 1995\$
After Year 5

Administrative Staff	\$74,000
Office Expense	\$21,000 \$10,000
Insurance, Accounting, Legal	
Contract Work	\$45,000
Monitoring, Reports, etc.	\$50,000
Total	\$200,000

Source: Cribbs & Associates

Operating Revenues

The operating revenues of the rice and other crops associated with rice lands (sugar beets) and from hunting represent the bulk of the annual funding requirement. Since the rice lands are acquired from land acquisition fee proceeds, leasing the rice land to farmers is the most profitable rice venture. Figure 4A provides a matrix to estimate the relative proportions of rice farm land which are not farmable, set-aside/fallow lands, leased rice base land (planted acreage) and leased for other crops on average during any given year. Of the total rice farm acreage, approximately 10% represents roads, irrigation and drainage systems, sheds, etc. which cannot be farmed. The remaining 90% can be farmed, but its actual use will depend

upon the Federal Deficiency Payment Program (federal subsidy) terms and normal crop rotation practices.

The base scenario assumes of the net farmable acreage, 75% on average is enrolled in the Federal Deficiency Payment Program based on a 3-year average of rice lands enrolled. The lands enrolled in the Program are rice "base lands" eligible to receive funding from the federal government to cover the difference between the target rate and the loan rate. The requirements for the amount of rice kept out of cultivation vary from 0% to 35% due to market conditions. Over the past twenty years the average has been 10% to 15%.

The majority of hunting revenues are derived from duck hunting. A representative from the California Waterfowl Association stated that good quality blinds close to a metropolitan area could generate gross revenues of \$1,500 per hunter per year. To be conservative, the base scenario assumes \$1,250 as the average annual lease rate for a 30-acre duck blind. Actual duck blinds may range in size from 30 to 50 acres depending upon the interface of water and edge in the marsh and rice fields. For purposes of estimating total annual revenues from leasing blinds, approximately 200 - 250 hunters per year are necessary to support the O & M activities of the NBC at buildout.

The activities of the NBC on the habitat lands in the form of rice cultivation and hunting leases fund the costs associated with these activities plus generate additional revenues to support operations of the marshes and the NBC. For the overall operations and maintenance program to be viable in the long run, rice and hunting would need to be maintained at the minimum level reflected in this analysis.

The mitigation fee contains a component to fund a portion of the NBC administration cost. This component of the fee is based on an average level of funding to support 30% of the administration costs annually although it may also supplement habitat operations and maintenance costs. This mitigation amount protects against reduced revenues from hunting or rice.

Other Potential Revenue Sources

Not incorporated into this analysis are other potential revenues sources (with their respective costs) that may be utilized by the NBC to enhance its funding base. Of course, the compatibility with the maintenance of giant garter snake populations would have to be evaluated on a case by case basis.

- Aquaculture the production and sale of aquatic organisms (clams, mussels, catfish, sturgeon, etc.).
- Day-use fishing permits on ponds for striped bass, black bass, catfish and other fish.
- Skeet range for shooting clay pigeons.
- Sale of trespassing permits for the hunting of pheasants in a licensed pheasant club.
- Field dog trials.
- Mineral extractions (i.e. natural gas).

CASH FLOW AND SUMMARY OF FINDINGS

The following tables provide the detail cost and revenue information by line item for each NBC activity. Figure 9 shows the detailed acquisition and restoration/enhancement costs plus the mitigation fee revenues funding these expenses. Figure 10 and 11 show the annual operating expenses and revenues of the NBC by activity. In practice, the actual costs will be determined each year as acquisition, restoration/enhancement and operation/maintenance of habitat lands occur. The fee may be adjusted upwards by a cumulative total of 50% (excluding inflation) of the base fee although no adjustment has been made in the base scenario. The operating revenues from hunting and rice may vary each year depending upon market conditions.

Figure 12 summarizes the cash flow position of all three NBC activities - acquisition, restoration/enhancement and operations/maintenance/administration. The cash flow shows that the NBC is able to fully fund each of its activities throughout the fifty-year program. The land acquisition and restoration/enhancement have positive ending balances in each year due to the acquisition and the up-front funding of 400 acres prior to additional urban development. If an up-front funding source is reduced or not available, the initial acquisition program will have to be revised to ensure habitat acquisition prior to additional urban development.

Figure 12 also shows a significant ending balance in the operations and management program after fifty years. This occurs because revenues are growing faster than the expenses due to the maintenance of 75% rice within the NBC lands. The accumulation of funds guards against potential future revenue losses or decreases. If sufficient fund balances are maintained, a decrease in revenues in one year will not necessarily mean a reduction in the level of maintenance or operations of the habitat lands. Funding balances may also be transferred to the endowment fund or other reserve fund to supplement the operating program. The base scenario assumes that the market conditions for rice will continue in the future (market demand and price subsidy). If rice cultivation becomes diseconomic to produce (reduction or elimination of subsidy), all NBC rice lands will be converted to marsh. The base scenario does not address the elimination of rice cultivation.

Figure 13 compares annual operating costs and revenues during the fifty-year permit period to demonstrate that sufficient revenues are available to fund the annual operating costs. At buildout, the base scenario projects annual revenues to exceed operating costs by 50%. The primary reason for continued increases in operating revenues is the assumed increase in the hunting acreage and maintenance of lands in rice cultivation. Overall, the mitigation fee funds a small share of the operating revenues. The security for the continued operations of the habitat lands rests in the perpetual hunting and rice revenues from the lands. In addition, neither rice or hunting alone can support the program and if neither occur, the operations and maintenance program would not be fully funded without an adjustment to the habitat land management program

Figure 9
Natomas Basin HCP
Acquisition and Restoration/Enhancement

DRAFT

Constant 1995\$

	Total 1994-2045	0 1994	1 1996	5 2000	10 2005	20 2015	2025	2035	2045
and Acquisition Cost	\$29,093,830	\$0	\$1,330,000	\$1,083,938	\$670,351	\$1,254,534	\$706,563	\$0	` · · · · \$
Plus Transaction Costs	\$2,909,383	\$0	\$133,000	\$108,394	\$67,035	\$125,453	\$70,656	\$0	
Total Acquisition Cost - 1995\$	\$32,003,213	\$0	\$1,463,000	\$1,192,332	\$737,386	\$1,379,987	\$777,219	\$0	\$
ભાગાડા nflated Acquisition Cost	\$32,003,213	\$ 0	\$1,463,000	\$1,192,332	\$737,386	\$1,379,987	\$777,219	\$0	
>=====================================	\$ 32,025,049	\$0	\$0	\$664,277	\$737,890	\$1,380,931	\$777,750	\$0	:
Inflated LA Fee Revenue	\$32,025,049	\$ 0	\$0	\$664,277	\$737,890	\$1,380,931	\$777,750	\$0	
Restoration/Enhancement Costs Marsha Existing Rice Other Converted to Rice Other Rice Converted to Marsh Total Cost - 1995\$	\$625,471 \$940,332 \$791,457 \$0 \$80,000 \$2,437,259	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$56,000 \$42,000 \$0 \$0 \$98,000	\$0 \$45,640 \$34,230 \$0 \$40,000 \$119,869	\$11,572 \$24,193 \$16,653 \$0 \$0 \$52,418	\$33,014 \$37,730 \$33,014 \$0 \$0 \$103,758	\$18,594 \$21,250 \$18,594 \$0 \$58,438	\$0 \$0 \$0 \$0 \$0	
Inflated Development Cost	\$2,437,259	\$0	\$98,000	\$119,869	\$52,418	\$103,758	\$58,438		
RE Fee Rev 1995\$	\$2,450,004	\$0	\$0	\$50,819	\$56,451	\$105,645	\$ 59,500		
Inflated RE Fee Revenue	\$2,450,004	\$0	\$0	\$ 50,819 _.	\$ 56,451	\$105,645	\$59,500	\$0	

Figure 10 Natomas Basin HCP Operations & Maintenance Costs

Contract to the same	Total 1994-2045	0 1994	1 1996	5 2000	10 2005	20	30	40	Constant 19
Rice Lands		6			2005	2015	2025	2035	1
Not Farmable/Uplands Set-Aside/Fallow Leased for Other Crops Leased Rice Base Land Rice Lands Not Farmable/Uplands		0% 0% 0% 0%	10% 9% 30% 51%	. 10% 9% 30% 51%	10% 9% 30% 51%	10% 9% 30% 51%	10% 9% 30% 51%	10%	2045 1 30 5
Set-Aside/Fallow Leased for Other Crops Leased Rice Base Land Total Rice Lands Rice Lands	1	0.0 0.0 0.0 0.0 0.0	40.0 36.0 121.5 202.5 400.0	32.6 29.3 99.0 165.0 326.0	130.1 117.1 395.2 658.6 1,301.0	359.4 323.4 1,091.6 1,819.3 3,593.6	518.7 466.9 1,575.7 2,626.1 5,187.4	656.3 590.7 1,993.5 3,322.5 6,563.0	656, 590, 1,993, 3,322,
Not Farmable/Uplands Set-Aside/Fallow Leased for Other Crops Leased Rice Base Land Subtotal Rice	\$1,448,643 \$1,484,984 \$4,400,253 \$7,333,756 \$14,667,616	\$0 \$0 \$0 \$0 \$0	\$2,878 \$2,951 \$8,743 \$14,572 \$29,143	\$2,346 \$2,405 \$7,125 \$11,876 \$23,752	\$9,362 \$9,596 \$28,436 \$47,393 \$94,787	\$25,859 \$26,507 \$78,547 \$130,911 \$261,824	\$37,327 \$38,263 \$113,382 \$188,970 \$377,942	\$47,226 \$48,410 \$143,449 \$239,082	\$47,226 \$48,410 \$143,449 \$239,082
otal O & M Costs	\$8,415,537 \$0 \$5,347,273 \$8,150,000	\$0 \$0 \$0 \$0	\$0 \$0 \$14,933 \$50,000	\$49,797 \$0 \$23,716 \$100,000	\$53,913 \$0 \$56,645 \$200,000	\$149,050 \$0 \$111,787 \$200,000	\$215,187 \$0 \$129,096 \$200,000	\$478,167 \$272,271 \$0 \$163,334	\$478,167 \$272,271 \$0 \$163,334
Ilated O & M Costs	\$36,580,426 \$36,580,426	\$0 ·	\$94,077 \$94,077	\$197,264	\$405,345	\$722,661	\$922,225	\$100,000 \$1,013,771	\$100,000 \$1,013,771
		**	\$94,077	\$197,264	\$405,345	\$722,661	\$922,225	\$1,013,771	\$1,013,771

"O&M_cost_50"

Figure 11
Natomas Basin HCP
Operating Revenues

28

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Constant 1995\$

Safe Oak	Total	0	1	5	10	20	30	40	50
Office Easter's age	1994-2045	1994	1996	2000	2005	2015	2025	2035	2045
1. 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1		,							
Saftran a comment	÷ .								
Rice Lands			•						
Not Farmable/Uplands		0%	10%	10%	10%	10%	10%	10%	109
Set-Aside/Fallow		0%	9%	9%	9%	9%	9%	9%	99
Leased for Other Crops		0%	30%	30%	30%	30%	30%	30%	30%
Leased Rice Base Land		0%	51%	51%	51%	51%	51%	. 51%	519
Rice Land Acreage						,			
Not Farmable/Uplands		0.0	40.0	32.6	130.1	359.4	518.7	656.3	656.3
Set-Aside/Fallow		0.0	36.0	29.3	117.1	323.4	466.9	590.7	590.7
Leased for Other Crops	:	0.0	121.5	99.0	395.2	1,091.6	1,575,7	1,993,5	1,993.5
Leased Rice Base Land		0.0	202.5	165.0	658.6	1,819.3	2,626.1	3,322.5	3,322.5
Subtotal		0.0	400.0	326.0	1,301.0	3,593.6	5,187.4	6,563.0	6,563.0
Rice Lands									
ACOther Crop Land Lease	\$5,317,509	\$0	\$10,631	\$8,664	\$34,578	\$95,511	\$137,870	\$174,431	\$174,431
Rice Base Land Lease	\$17,835,422	\$0	\$35,438	\$28,881	\$115,259	\$318,371	\$459,567	\$581,438	\$581,438
≅7Subtotal Rice 3	\$23,152,931	\$0	\$46,069	\$37,546	\$149,836	\$413,882	\$597,437	\$755,869	\$755,869
Admin/O &M Mitigation Fees		•							
Base Fee	\$2,625,004	\$0	\$0	\$54,449	\$60,483	\$113,191	\$63,750	\$0	\$0
Maximum Fee Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Admin/O & M Fees	\$2,625,004	\$0	\$0	\$54,449	\$60,483	\$113,191	\$63,750	\$0	\$0
Hunting	\$19,880,396	\$ 0	\$55,520	\$88,172	\$ 040 500	6445 600		4007.000	
1	418,000,080	40	4 55,520	\$00,172	\$210,599	\$415,608	\$479,962	\$607,252	\$607,252
Total Operating Revenues - 1995\$	\$45,658,331	\$0	\$101,589	\$180,167	\$420,918	\$942,681	\$1,141,149	\$1,363,121	\$1,363,121
nflated Operating Revenues	\$45,658,331	\$ 0	\$101,589	\$180,167	\$420,918	\$942,681	\$ 1,141,149	\$1,363,121	\$1,363,121

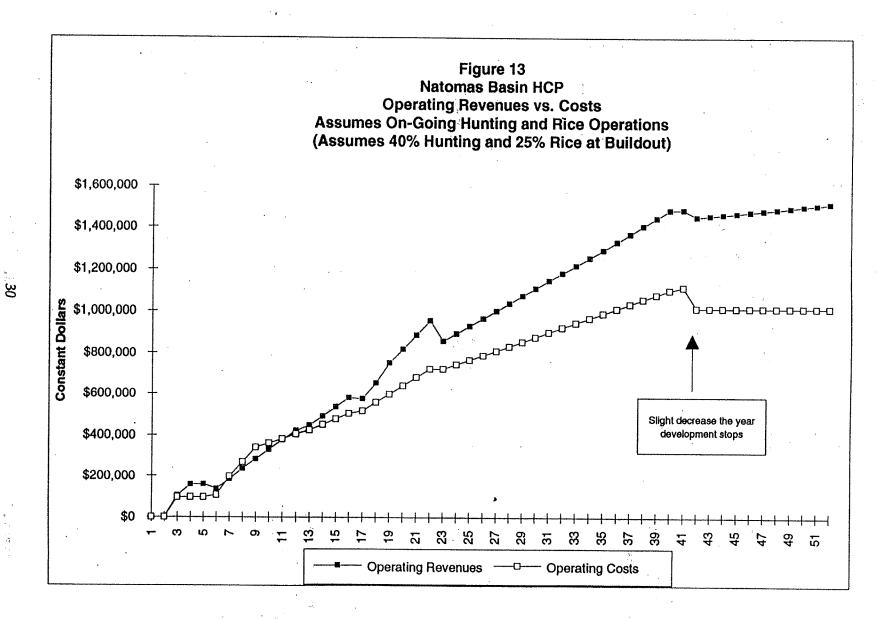
"revenues_50"

Figure 12 Natomas Basin HCP Cash Flow - 1995 \$

1995**\$**

	Total	T	T						1:
	1994-2045	1994	1 1996	5 2000	10	20	30	40	50
AND ACQUISITION		1,001	1990	2000	2005	2015	2025	2035	2045
eginning Balance									
		\$0	\$0	\$2,020,861	\$63,480	\$80,553	\$98,695	\$118,880	\$136
Less Land Costs	(\$32,003,213)	\$0	(\$1,463,000)	(\$1,192,332)	(\$737,386)	(\$1,379,987)	(\$777,219)	\$0	4.00
Plus LA Fee Revenue Plus Other Revenues/(Reimb.) (1)	\$32,025,049	\$0	\$0	\$664,277	\$737,890	\$1,380,931	\$777,750	•	
Plus Interest Earnings (2)	\$0 \$116,688	\$0	\$1,463,000	(\$1,463,000)	\$0	\$0	Ψ177,750 \$0	\$0 \$0	
ding Balance	\$110,000	\$0	\$0	\$28,292	\$889	\$1,128	\$1,382	\$0 \$1,664	. \$1.
QIII Daiance	\$138,525	· \$ 0	\$0	\$58,098	\$64,872	\$82,624	\$100,608	\$ 120,545	\$138,
STORATION & ENHANCEMENTS		:	,						7.00,
jinning Balance	1	· ·				4		100	
Page grows gargin		\$0	\$0	\$114,601	\$44,141	(\$1,817)	\$10,194	\$22,643	toc
Less Restoration/Enh. Costs	(\$2,437,259)	\$0	(\$98,000)	(\$119,869)	(\$52,418)	(\$103,758)	(\$58,438)	\$0	\$26,
Plus HRE Fee Revenue	\$2,450,004	\$0	\$0				(****)	Ψ	
Plus Other Revenues/(Reimb.) (1)	\$0	\$0	\$98,000	\$50,819 (\$30,007)	\$56,451	\$105,645	\$59,500	\$0	
Plus Interest Earnings (2)	\$13,640	\$0	\$0	(\$32,667)	(\$32,667)	\$0	\$0	\$0	
MOF LOW, TO		; **	φυ	\$1,604	\$618	\$0	\$143	\$317	\$3
ing Balance	\$26,385	\$0	\$0	\$14,489	\$16,125	\$69	\$11,399	\$22,960	
RATIONS & MAINTENANCE		1						422,800	\$26,3
Inning Balance	•	1.5%							
		\$0 ,	\$0	\$162,969	\$23,114	\$929,184	\$2,872,430	\$6,115,566	\$10,749,7
ess O & M Costs	(\$36,580,426)	\$0	(\$94,077)	(\$197,264)	(\$405,345)	(\$722,661)	(\$922,225)	(\$1,013,771)	(\$1,013,7
lus Admin/O&M Fee Revenue lus Rice Revenues	\$2,625,004	\$0	\$0	\$54,449	\$60,483	£110.101		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(Ψ1,013,7
lus Hu Revenues	\$23,152,931	\$0	\$46,069	\$37	\$149,836	\$113,191 \$413,882	\$63,750	\$0	
lus Oti levenues (1)	\$19,880,396	\$0	\$55,520	\$8£,	\$210,599	\$415,882 \$415.608	\$597,437 \$470.000	\$755,869	\$75
'nterest Earnings (2)	\$0 \$2,171,696	\$0 \$0	\$0	77	\$0	\$0	\$479,962 \$0	\$607,252	\$607,2
tal Revenue	447 000 000	ΨŪ	\$0	- { <i>}</i>	#434	£42 000	\$0	\$0	(

N



O & M Endowment Fund

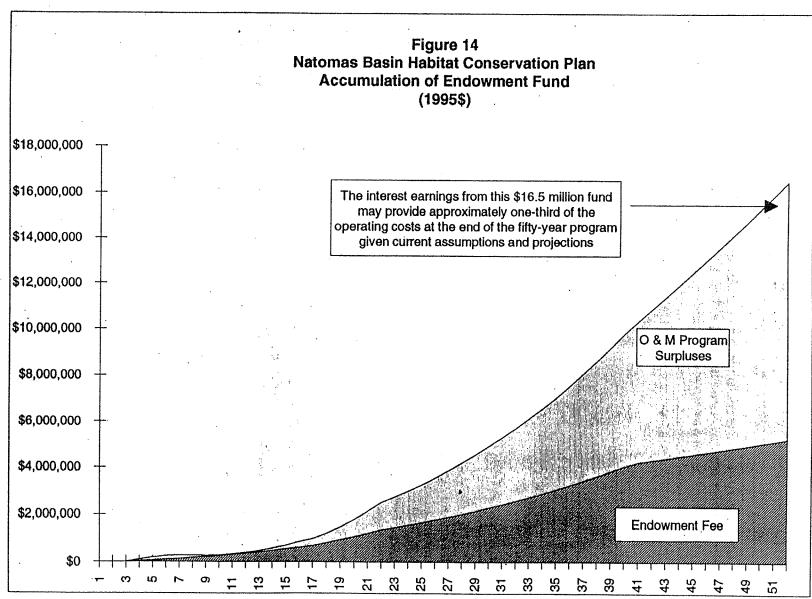
To address the long-term viability of the NBHCP past the permit period, an endowment program has been developed. As urban development occurs, landowners will pay a \$75 O & M endowment fee (adjusted annually) as part of the total mitigation fee to supplement potential reductions in the revenue activities at the end of the permit period. The revenue from this fund will be maintained in a separate account to accumulate earnings so that the interest earnings may be used to supplement operating revenues when necessary. The \$75 fee was based on projected interest earnings needed to fund approximately 10% of the projected operating costs at the end of the 50-year permit period.

Setting a portion of any operating surpluses aside will further enhance the funding certainty for the operations and maintenance program. Based on the base scenario, the operating surplus at the estimated levels plus the endowment fee will fund approximately one-third of the future operating costs from interest earnings. **Figure 14** shows the accumulation of endowment account funds to provide greater revenue surety.

Fee Collection Administrative Cost

The total habitat mitigation fee includes an allowance to fund administrative costs for collecting the fee by the NBC. This allowance is based on 2% of the fee attributed to the activities of the NBC as shown on the bottom of **Figure 5**. Neither the fee collection administrative costs or associated fee revenues are reflected in this analysis.

Canadana Dana



Note: The 30% endowment funding is not a benchmark, but a result of the base scenario.

III. SENSITIVITY ANALYSIS

The purpose of this section is to test the sensitivity of the economic analysis to ch key assumptions concerning the NBC activities. As described earlier, a general sassumptions defined a base scenario to evaluate the NBHCP. The variability of tacquisition and restoration/enhancement program is discussed first. Then the in changes in the operations and maintenance program is discussed.

The adjustment to the fee by 50% over the base amount (adjusted for inflation) is maximum total adjustment over the life of the permit. The following discussion sensitivity indicates the changes in the program that would be covered by the 50° adjustment. In practice, the fee adjustment cannot accommodate a significant characteristic of the program components. It would likely off-set minor changes in each of the elements or one major change.

LAND ACQUISITION & RESTORATION/ENHANCEMENT

The land acquisition (LA) and restoration/enhancement (RE) components of the infee are anticipated to fully fund these activities and were based on the best available information. If the actual costs are substantially different, the LA and RE comport adjusted to reflect actual costs due to the structure of the mitigation fee. To variable to the total mitigation fee is the land acquisition cost component. Since inflation adjustments, may only increase by as much as 50%, Figure 15 shows that fee would exceed this cap if land cost increased from \$3,325 (1995\$) per acre to approximately \$5,500 (1995\$) per acre, an increase of 65%.

In addition to the fee adjustment, the Plan provides other options to guard agains escalation. The Plan provides for out-of-basin mitigation to relieve market pressudemand/supply pressures cause land prices in the basin to increase significantly what the base fee can afford. This will help keep land prices in check by providir additional land supply. In addition land acquisition cost increases could be fund operating surpluses.

The restoration/enhancement cost is not a significant component of the Plan since existing lands are currently providing valuable habitat. The average cost to restore each acre of acquired land could increase more than five times and still be funded fee cap.





Figure 15 Natomas Basin HCP Mitigation Fee as a Function of Land Acquisition Cost

• •				•	
•	Average	Land with	Land Acq.	Other Fee	Total
	 Land Cost 	Acq. Cost	Fee	Components (1)	Fee
·		10%			
		*			
•	\$1,500	\$1,650	\$825	\$410	\$1,235
	\$2,000	\$2,200	\$1,100	\$410	\$1,510
	\$2,500	\$2,750	\$1,375	\$410	\$1,785
Max. Land Cost	\$3,000	\$3,300	\$1,650	\$410	\$2,060
with Base Fee					
Willi base ree	\$3,325	\$3,658	\$1,830	\$410	\$2,240
	\$2.500	#0.0E0	04.005	2440	
	\$3,500	\$3,850	\$1,925	\$410	\$2,335
	\$4,000	\$4,400	\$2,200	\$410	\$2,610
	\$4,500	\$4,950	\$2,475	\$410	\$2,885
Max. Land Cost	\$5,000	\$5,500	\$2,750	. \$410	\$3,160
with Base Fee and					
50% Adjustment	\$5,500	\$6,050	\$3,025	\$410	\$3,435
	\$6,000	\$6,600	\$3,300	\$410	\$3,710
	\$6,500	\$7,150	\$3,575	\$410	\$3,985
	\$7,000	\$7,700	\$3,850	\$410	\$4,260
•	\$7,500	\$8,250	\$4,125	\$410	\$4,535
	1	. 40,200	Ψ+,120	9410	.φ4,000
•		لـــــــــــــــــــــــــــــــــــــ			

⁽¹⁾ Includes restoration/enhancement fee, admin/O & M fee, endowment fee and 2% collection fee.

OPERATIONS, MAINTENANCE & ADMINISTRATION

The operations and maintenance program depends upon a variety of activities that may var over time. Figure 16 summarizes the operations and maintenance costs versus revenues at several points in time to demonstrate the importance of the revenue generating activities compared to the respective costs of the program. Overall, the cost of managing the marsh (23%) and the administration of the NBC (22%) represent 45% of the annual costs. Rice (40% and hunting (14%) represent the other 55% of the annual operating costs. The rice produces almost 50% of the operating revenues. Hunting is estimated to provide 45% of the revenues Since annual revenues exceed costs, in most years, rice and hunting combined completely off-set the cost of managing the marsh and administering the NBC.

The economic analysis establishes a base scenario to determine the proportions of hunting and rice revenues necessary to make the operations and maintenance program financially viable. This analysis assumes up to 75% rice and 25% marsh. In addition, on average 40% to 60% of the lands are assumed to be hunted. The ability to maintain up to 75% of the lands ir rice provides surplus revenues above the estimated operating revenues necessary to fund the estimated annual operating costs. In addition, the base scenario assumes that the O & M cost/revenue functions will be consistent in or out of the Basin although the costs are likely to be less out of the Basin. Any additional revenue generating activity or costs savings further enhances the viability of the overall program.

If operating costs increase or if rice and hunting revenues fall short, the 50% fee adjustmen cap can be utilized to supplement the funding of the marsh and administration. The total O&M Admin. fee represents 15% of the combined administration and marsh management costs at \$150 per developed acre. Application of the maximum 50% fee adjustment would generate an additional \$1,100 per year (50% of \$2,240). Under the base scenario, the O&M/Admin. fee would have to increase to about \$1,000 to fund 100% of the combined administration and marsh management costs which is within the amount which the 50% fee cap would provide.

The following paragraphs describe three phases of the program reflecting the levels of hunting and rice acreage needed to fund the NBC administration and other habitat maintenance activities.

FIRST FIVE YEARS

Figure 16 shows the total O & M costs versus revenues for year 5. With the initial acquisition of 400 acres used entirely for rice cultivation and phased into 100% marsh by the fifth year mixed with additional acquisitions, the total lands in rice and marsh are roughly 50:50. As a result, rice is only supporting approximately 20% of the program. At this time and for the next few years, annual costs are greater than annual revenues until 75% rice is achieved although the program is funded with surplus generated from the initial period of 100% rice.

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Figure 16
Natomas Basin HCP
Summary of Operations & Maintenance Costs
Compared to Operations & Maintenance Revenues

DRAFT

Constant \$'s

		31-50	Yea	ir 5	Year 20		
	Totals	Percentage	Totals	Percentage	Totals	Percentage	
O & M COSTS		· .	•				
O & M COSIS		·		1		y t	
	## · ·			. 1			
Rice Lands		.]					
Not Farmable/Uplands	\$1,448,643	4.0%	\$2,346	1.2%	\$25,859	3.69	
Set-Aside/Fallow	\$1,484,964	4.1%	\$2,405	1.2%	\$26,507	3.79	
Leased for Other Crops	\$4,400,253	12.0%	\$7,125	3.6%	\$78,547	10.99	
Leased Rice Base Land	\$7,333,756	20.0%	\$11,876	6.0%	\$130,911	18.19	
Subtotal Rice	\$14,667,616	40.1%	\$23,752	12.0%	\$261,824	36.29	
Marsh	\$8,415,537	23.0%	\$49,797	25.2%	64.40.050	,	
Other	\$0	0.0%	\$0	0.0%	\$149,050	20.69	
Hunting	7 -		*		\$0	0.0%	
Administration	\$5,347,273	14.6%	\$23,716	12.0%	\$111,787	15.5%	
Administration	\$8,150,000	22.3%	\$100,000	50.7%	\$200,000	27.7%	
Total O & M Costs	\$36,580,426	100.0%	\$197,264	100.0%	\$722,661	100.0%	
O & M REVENUES							
Rice Lands	e de la companya de La companya de la companya de l		* . 			•	
Other Crop Land Lease	\$5,317,509	11.6%	\$8,664	4.8%	\$95,511	10.1%	
Rice Base Land Lease	\$17,835,422	39.1%	\$28,881	16.0%	\$318,371		
Subtotal Rice	\$23,152,931	50.7%	\$37,546	20.8%	, ,	33.8%	
16	420,102,001	00.1 /0	401,040	20.0%	\$413,882	43.9%	
Habitat Admin. Mitigation Fees	\$2,625,004	5.7%	\$54,449	30.2%	\$113,191	12.0%	
Hunting	\$19,880,396	43.5%	\$88,172	48.9%	\$415,608	44.1%	
Up-front funding (1)	\$0	0.0%	\$0	0.0%	\$0	0.0%	
Total O & M Revenues	\$45,658,331	100.0%	\$180,167	100.0%	\$942,681	100.0%	

"O&M_summary"

⁽¹⁾ Shortfalls in the early years assumed to be funded with an up-front funding source in the initial years such as advanced funding of fees or grants.

In the early years, the fixed costs of administering the NBC is a much greater proportion of the total operating costs (50% in year 5 compared to 22% overall). Therefore, a substantial amount of acreage needs to be in income-generating activities at the start to fund the entire annual administration costs in addition to operations and maintenance. In the first five years, 70-80% of the habitat lands are necessary for hunting to fully fund the initial operating costs. During this period the development O&M/Admin fee contributes about 30% of the revenues.

FIVE YEARS TO BUILDOUT

Figure 16 also shows total annual costs versus revenues during year 20. Over time, additional habitat acreage is acquired which reduces the average administration cost per acre (30% of total annual costs). At this time, the income-generating activities (rice and hunting) fund themselves plus operations and maintenance of the marshes and administration of the NBC. During the forty-years prior to urban buildout, the operating revenues fully fund the annual operating costs assuming averages of approximately 50-60% of the habitat lands hunted and 70-75% in rice cultivation.

A temporary revenue reduction of 5-10% in one activity could be supplemented by the contingency fund, off-setting expenditure reductions or increases in other revenue generating activities. If the revenue reduction becomes more significant or permanent, the previous actions plus application of the 50% base fee adjustment or an adjustment to the contingency fee could occur.

The operating surplus funds combined with the endowment fund are anticipated to provide approximately 30% of the operating costs at the end of the program. This will provide a measure of security in case one revenue generating activity is reduced or eliminated.

AFTER BUILDOUT

After all development has occurred, the NBC lands consist of 25% marsh and 75% rice. The base scenario assumes that 40% of the lands are maintained for hunting which represents the lease of duck hunting blinds to approximately 470 duck hunters on an annual basis. In the long-term, only 20% of habitat lands need to be hunted to ensure adequate operations and maintenance funding.

<u>CONCLUSION</u>

As the previous discussion indicates, the continuation of rice cultivation and waterfowl hunting provide the greatest assurance for the long term viability of the NBHCP. Other mechanisms that help maintain the program include setting aside surpluses into the endowment fund, additional revenue generating activities, the out-of-basin mitigation and cost-effective management practices.

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IV. ESTIMATION OF NATOMAS BASIN HABITAT CONSERVATION MITIGATION FEE

PURPOSE

The Habitat Conservation Plan for the Natomas Basin will be the basis for an incidental permit to be issued by the federal government under Section 10(a) of the Endangered Act, administered by the U.S. Fish and Wildlife Service and by the state under Section the California Endangered Species Act, administered by the California Department of and Game. The entire Natomas Basin, as depicted on the maps contained in the NBH been designated as habitat for those species listed in the Plan. Participation in the NBH and payment of the mitigation fee by developing properties is voluntary. Payment of mitigation fee obtains the benefit of the incidental take permit issued by the USFWS at DFG.

Per the NBHCP, each jurisdiction will require all new development in the Natomas Ba demonstrate suitable protected species mitigation and compliance with state and feder. This will take the form of a notice from the NBC that a fee has been paid for a specific acreage and map, or that some alternative mitigation or exemption from mitigation he approved by the USFWS and CDFG.

The purpose of this section is to show how the mitigation fee is calculated.

ESTIMATION OF NBHCP MITIGATION FEE

Each gross acre of urban development throughout the Natomas Basin will be subject to habitat mitigation fee which will provide for one-half acre of habitat land acquisition, restoration/enhancement and management as defined in the NBHCP. The total cost habitat land acquisition, restoration/enhancement and management attributed to urbabitat land acquisition acquisition acquisitio



Calculation of NBHCP Habitat Cost per Acre

<u>.</u>	Average Cost per Iabitat Acre	Cost Estimate <u>Assumption</u>
Land Acquisition (including transaction costs) Restoration/Enhancement Administration O & M Endowment Fund Subtotal Habitat Costs	\$280 \$300	Current estimated land cost plus 10% for transaction costs Weighted avg. cost of each land type Approximately 30% of NBC admin. Approximately 10% of future O & M
Plus Fee Collection Administration (2%		Based on 2% of habitat costs
Total Habitat Mitigation Cost	\$4,480	

Based on one-half acre of habitat mitigation per one acre of urban development, the resulting fee is \$2,240 including \$75 set-aside for the endowment fund and 2% for fee collection administration. Although the fee is based on the sum of several cost components, the portion of the fee funding the NBC annual costs may be used for any of the NBC annual activities given the priorities established by the NBHCP. The O & M endowment fund fee and 2% fee collection administrative fee are to be used entirely and exclusively for their respective purposes.

As shown above, the mitigation fee does not fully fund the NBC administrative costs or habitat operations and maintenance costs, because they are assumed to be partially or fully funded from the estimated operating revenues. The fee is initially set to fund approximately 30% of the NBC administrative costs although the NBC is not precluded from using the fees, if available, to fund additional NBC administration or habitat operations and maintenance activities.

ADJUSTMENTS TO THE FEE

The cost estimates presented in this report are in 1995 dollars and are based on the best cost estimates available at this time. The NBHCP provides that every year, an appropriate inflation adjustment factor will be applied to the fee, not to exceed 10% in any one year.

After the initial base fee is established, the NBC may conduct an annual or other periodic review of acquisition, restoration/enhancement, operations/maintenance and administrative costs. Based on these reviews, necessary adjustments to the fee program will occur. If land acquisition or restoration/enhancement costs change significantly in either direction, or if other funding becomes available, the fee should be adjusted accordingly. The total adjustment is limited to a 50% cumulative increase over the base fee adjusted for inflation.

APPENDIX A

Development Projections Ass



Figure A-1 Natomas Basin HCP SACOG Projected Development

, t ·							
N. Y. J. T. SK. Y. C.		Total	1995	2000	2005	2010	20
Residential Units	•			•			
Sacramento County		32,357	0	3,540	3,931	4,493	2:
Sutter County		13,688	0	2,171	3,790	4,493	
Total Units		46,045	0	5,711	7,721	8,986	2
Residential Net Acres				•	***		
Sacramento County	10.98 units/acre	2,948.0	0.0	322.5	358.1	409.3	1,
Sutter County	6.42 units/acre	2,132.4	0.0	338.1	590.4	699.9	₽ y c.
Total Net Acres		5,080.4	0.0	660.7	948.5	1,109.3	2,
Residential Gross Acres	s .						
Sacramento County	26% net to gross	3,728.3	0.0	407.9	453.0	517.7	2,
Sutter County	18% net to gross	2,509.8	0.0	398.0	694.9	823.8	€ay ti å:
Total Gross Acres	-	6,238.2	0.0	805.9	1,147.8	1,341.5	2,
V					4		
Non-Residential Employ	/ees						
Sacramento County	•	56,565	Ö.	14,681	13,894	15,685	12
Sutter County		22,564	0	1,796	6,403	7,575	6
Total Employees		79,129	0	16,477	20,297	23,260	15
Non-Residential Net Acr	res						
Sacramento County	33.88 emp/acre	1,669.5	0.0	433.3	410.1	462.9	3
Sutter County	21.55 emp/acre	1,046.8	0.0	83.3	297.1	351.4	3
Total Net Acres		2,716.3	0.0	516.6	707.1	814.4	6
Non-Residential Gross	Acres						
Sacramento County	26% net to gross	2,111.5	0.0	548.0	518.6	585.5	: 4
Sutter County	18% net to gross	1,232.1	0.0	98.1	349.6	413.6	.3
Total Gross Acres		3,343.6	0.0	646.1	868.3	999.1	6
Total Daysland Assess			·			·	
Total Developed Acreag Sacramento County	e	r 000 0			A		
Sutter County		5,839.8	0.0	955.9	971.6	1,103.2	2,€
Total Developed Acreag		3,741.9	0.0	496.1	1,044.5	1,237.4	9
· · · · · · · · · · · · · · · · · · ·	-	9,581.7	0.0	1,452.0	2,016.1	2,340.6	3,7
Percent Distribution	Ì						
Residential	1	65%	0%	56%	57%	57%	
Non-Residential	1	35%	0%	44%	43%	43%	
Total	İ	100%	0%	100%	100%	100%	*1

Source: SACOG Housing and Employment Forecasts

FigureA-2 Sacramento County Proposed Urban Development

		North	West	South	
	Total	Natomas	Natomas	Natomas	Metro
 Residential					
Units	32,477	29,977	2,500	unknown	0
Acres	2,958.9	2,564.3	394.6	unknown	0.0
Density	11.0	11.7	6.3	unknown	0.0
 Non-Residential					
Employees	97,130	57,830	0	unknown	39,300
Acres	2,866.8	1,556.8	0.0	unknown	1,310.0
Employees/Net Acre	33.9	37.1	0.0	unknown	30.0
Acreage					
Res & Non-Res. Acres	6,782.7	4,121.1	394.6	957.0	1,310.0
Gross Developed Acreage (2)	9,224.6	6,272.0	394.6	957.0	1,601.0
% Developed	74%	66%	100%	100%	82%

⁽¹⁾ Residential and non-residential development provided by North Natomas Community Plan,

City of Sacramento, Natomas Basin HCP and Metro Air Park D.A.

⁽²⁾ Gross developed acreage consistent with Natomas Basin HCP

Figure A-3 Sutter County Proposed Urban Development

·			College	
	Total	Riego	Park	Rincon
 Residential				
Units	42,249	13,334	11,201	17,714
Acres	6,582.0	1,997.0	1,790.0	2,795.0
Density	6.4	6.7	6.3	6.3
Non-Residential				
Employees	70,420	33,510	19,010	17,900
Acres	3,267.0	1,843.0	914.0	510.0
Employees/Net Acre	21.6	18.2	20.8	35.1
Acreage				
Res & Non-Res. Acres	9,849.0	3,840.0	2,704.0	3,305.0
Gross Developed Acreage	11,967.0	4,521.0	3,349.0	4,097.0
% Developed	82%	85%	81%	81%
			0176	01%

Note: Gross acreage excludes regional open space, detention open space and landscape corridors.

Source: South Sutter County General Plan Amendment

Figure A-4 Natomas HCP Summary of Dwelling Unit Growth Projections

	1992	1995	2000	2005	2010	2015
SACRAMENTO COUNTY:						
Single Family	0	1,290	1,988	2,271	2,591	7,836
Multiple Family	0	1,003	1,547	1,657	1,898	
Mobile	0	4	5	3	1,038	12,558
Subtotal	0	2,297	3,540	3,931	4,493	-1 20,393
Cumulative	0	2,297	5,837	9,768	14,261	34,654
SUTTER COUNTY:						
Single Family	0	23	1,946	3,279	0.007	0.04
Multiple Family	. 0	0	204	3,279 492	3,887	2,614
Mobile	ő	14	21	492 19	582	602
Subtotal	Ō	36	2,171	3,790	23 4,493	19 3,235
Cumulative	0	36	2,207	5,997	10,489	13,724
TOTAL 5YR INCREMENTS	0	2,333	5,711	7,721	8,986	23,628
CUMMULATIVE TOTAL	0	2,333	8,044	15,765	24,750	71

"unit_sum"

Figure A-5 Natomas HCP Summary of Employee Growth Projections

		1992	1995	2000	2005	2010	2015
Sacramen	to County:						
	Retail EMP	0	672	1,038	1,013	965	1,60
	Other EMP	0	8,866	13,643	12,881	14,720	10,69
٠.	Subtotal	0	9,538	14,681	13,894	15,685	12,30
	Cumulative	0	9,538	24,219	38,113	53,798	66,10
Sutter Cou	ınty						
	Retail EMP	0	4	233	1,474	1,743	1,3€
-	Other EMP	0	7	1,563	4,929	5,832	5,43
	Subtotal	0	11	1,796	6,403	7,575	6,79
	Cumulative	0	11	1,807	8,210	15,785	22,57
TOTAL 5Y	RINCREMENTS	0	9,549	16,477	20,297	23,260	19,09
CUMULAT	IVE TOTAL	· ,. 0	9,549	26,026	46,323	69,583	88,67

"emp_summar

APPENDIX B

50-Year Annual Projections

Figure B-1 Natomas Basin HCP Habitat Lands Acquired & Restored/Enhanced DRAFT

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Other	Total	0.	0	1	2	3	4	5	. 6	7
warsh	1994-2045	1994	1995	1996	1997	1998	1999	2000	2001	2002
tang to the		•					000.0	363.0	403.2	403.2
Annual Developed Acreage	17,500.0	0.0	0.0	0.0	363.0 363.0	363.0 726.0	363.0 1,089.0	1,452.0	1,855.2	2,258.4
Cumulative Developed Acreage	:	0.0	0.0	0.0	303.0		,			
Annual Mitigation Requirement	8,750.0	0.0	0.0	0.0	181.5	181.5	181.5	181.5	201.6	201.6
Cumulative Mitigation		0.0	0.0	0.0	181.5	363.0	544.5	726.0	927.6	1,129.2
Habitat Assulted (1)	8,750.0	0.0	0.0	400.0	0.0	0.0	0.0	326.0	201,6	201.6
Habitat Acquired (1) Cumulative Habitat Acreage	0,700.0	0.0	0.0	400.0	400.0	400.0	400.0	726.0	927.6	1,129.2
Surplus / Shortfall Acquisition		0.0	0.0	400.0	218.5	37.0	-144.5	0.0	0.0	0.0
Land Acquisition					•		0.0	65.2	40.3	40.3
Out-of-Basin Lands	1,750.0	0.0	0.0	80.0	0.0 0.0	0.0 0.0	0.0	260.8	161.3	161.3
In-Basin Lands	7,000.0	0.0	0.0	320.0	0.0	0.0	0.0	200.0	701.5	
Initial Use of Acquired Land					0%	0%	0%	0%	0%	0%
Marsh		0%		0% 70 %	0% 70%	70%	70%	70%	70%	70%
Existing Rice		0%		70% 30%	30%	30%	30%	30%	30%	30%
Other Converted to Rice		0% 0%		0%	0%	0%	0%	0%	0%	0%
Other		0%	078	0 78	0,0	0,0	,		•	
Use of Land				0.0	0.0	0.0	0.0	0.0	0.0	0.0
Marsh	1,787.1	0.0	0.0	。 0.0 280.0	0.0	0.0	0.0	228.2	141.1	141.1
Existing Rice Base	4,701.7 2,261.3	0.0	0.0	120.0	0.0	0.0	0.0	97.8	60.5	60.5
Other Converted to Rice Other	2,261.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	8,750.0	0.0	0.0	400.0	0.0	0.0	0.0	326.0	201.6	201.6
Rice Converted to Marsh	400.0	0.0	0.0	0.0	0.0	0.0	200.0	200.0	0.0	0.0
										1
Cumulative Acreage Marsh		0.0	0.0	0.0	0.0	0.0	200.0	400.0	400.0	400.0
Rice		0.0		400.0	400.0	400.0	200.0	326.0	527.6	729.2
Other		0.0		0.0	0.0	0.0	0.0	0.0 726.0	0.0 927.6	0.0 1,129.2
Subtotal		0.0	0.0	400.0	400.0	400.0	400.0	720.0		
Hunting Acreage as Percent of Total (2	2)	0%	. 0%	80%	, 80%	80%	80%	70%	70%	
Hunting Acreage	•	0.0	0.0	320.0	320.0	320.0	320.0	508.2	649.3	790.5 105
Total Duck Hunters		0	. 0	43	43	43	43	68	87	105
Cumulative Acreage			. 001	0%	0%	0%	50%	55%	43%	35%
Marsh		0%	6 0% 6 0%		100%	100%	50%	45%	57%	65%
Rice Other		0%			0%	0%	0%	0%	0%	. 0%
~ Cities										"land cost

Course: SACOG Housing and Employment Forecasts

"land_cost"

Figure B-1
Natomas Basin HCP

Habitat Lands Acquired & Restored/Enhanced

-					. ,					
Total	8	9	10	11	12	13	14	15		
1994-2045	2003	2004	2005	2006	2007	2008	2009	2010		
17.500.0	403.2	403.2	403.2	468 1	469.1	160 1	460.1	468.1		
,000.0	2,661.6	3,064.8	3,468.1	3,936.2	4,404.3	4,872.4	5,340.6	5,808.7		
8,750.0	201.6	201.6	201.6	234.1	234.1	234.1	234.1	234.1		
	1,3 <mark>3</mark> 0.8	1,532.4	1,734.0	1,968.1	2,202.2	2,436.2	2,670.3	2,904.3		
8,750.0	201.6	201.6	201.6	234.1	234.1	234.1	234.1	234.1		
	1,330.8	1,532.4	1,734.0	1,968.1	2,202.2	2,436.2	2,670.3	2,904.4		
	0.0	. 0.0	0.0	0.0	0.0	. 0.0	0.0	0.0		
								46.8		
7,000.0	101.3	161.3	161.3	187.3	187.3	187.3	187.3	187.3		
	201	001								
								25%		
						14		50%		
İ								25% 0%		
		• 7.0	0,0	5,0	070	078	0 78	0 /0		
1 787 1	0.0	0.0	22.1	E0 E	. 50 5	E0 E	E0 F	50.5		
								58.5 117.0		
	60.5							58.5		
0.0	0.0	0.0	0.0					0.0		
8,750.0	201.6	201.6	201.6	234.1	234.1	234.1	234.1	234.1		
400.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	400.0	400.0	433.1	491.6	550.1	608.6	667.1	725.6		
	930.8	1,132.4	1,301.0	1,476.5	1,652.1	1,827.6	2,003.2	2,178.7		
:					0.0	0.0	0.0	0.0		
	1,330.8	1,532.4	151	•	2,202.2	2,436.2	2,670.3	2,904.4		
2)	70%	70%			60%	60%	60%	50%		
			153			1,461.7		1,452.2		
,	124	143	162	157	176	195	214	194		
						25%	25%	25%		
								75% 0%		
		0.70	0 /0	0 70	0.78	0 /0	0 /6	0%		
	17,500.0 8,750.0 8,750.0 1,750.0 7,000.0 1,787.1 4,701.7 2,261.3 0.0 8,750.0 400.0	1994-2045 2003 17,500.0 403.2 2,661.6 8,750.0 201.6 1,330.8 8,750.0 201.6 1,330.8 0.0 1,750.0 40.3 7,000.0 161.3 0% 70% 30% 0% 1,787.1 0.0 4,701.7 141.1 2,261.3 0.0 8,750.0 201.6 400.0 930.8 0.0 1,330.8	1994-2045 2003 2004 17,500.0 403.2 403.2 2,661.6 3,064.8 8,750.0 201.6 201.6 1,330.8 1,532.4 0.0 0.0 1,750.0 40.3 40.3 7,000.0 161.3 161.3 0% 0% 70% 70% 70% 30% 0% 0% 0% 1,787.1 0.0 0.0 4,701.7 141.1 141.1 2,261.3 60.5 60.5 0.0 0.0 0.0 8,750.0 201.6 201.6 400.0 0.0 0.0 930.8 1,132.4 0.0 0.0 1,330.8 1,532.4 0.0 0.0 1,330.8 1,532.4 0.0 0.0 1,330.8 1,532.4 0.0 0.0 1,330.8 1,532.4 0.0 0.0 <td>1994-2045 2003 2004 2005 17,500.0 403.2 403.2 403.2 2,661.6 3,064.8 3,468.1 8,750.0 201.6 201.6 201.6 201.6 1,330.8 1,532.4 1,734.0 0.0 0.0 0.0 1,750.0 40.3 40.3 40.3 40.3 7,000.0 161.3 161.3 161.3 161.3 0% 0% 70% 70% 60% 24% 0% 0% 0% 0% 0% 0% 0% 0% 1,787.1 0.0 0.0 0.0 33.1 4,701.7 141.1 141.1 121.0 2,261.3 60.5 60.5 47.6 0.0 0.0 0.0 8,750.0 201.6 201.6 201.6 201.6 201.6 400.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0</td> <td>1994-2045 2003 2004 2005 2006 17,500.0 403.2 403.2 403.2 468.1 3,936.2 2,661.6 3,064.8 3,468.1 3,936.2 8,750.0 201.6 201.6 201.6 234.1 1,330.8 1,532.4 1,734.0 1,968.1 1,330.8 1,532.4 1,734.0 1,968.1 0.0 0.0 0.0 0.0 0.0 161.3 161.3 161.3 161.3 187.3 161.3 161.3 187.3 161.3 161.3 161.3 161.3 161.3 161.3 161.3 161.3 17.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0</td> <td>17,500.0 1861.3 187.3 18</td> <td> 1994-2045 2003 2004 2005 2006 2007 2008 </td> <td> 1994-2045 2003 2004 2005 2006 2007 2008 2009 </td>	1994-2045 2003 2004 2005 17,500.0 403.2 403.2 403.2 2,661.6 3,064.8 3,468.1 8,750.0 201.6 201.6 201.6 201.6 1,330.8 1,532.4 1,734.0 0.0 0.0 0.0 1,750.0 40.3 40.3 40.3 40.3 7,000.0 161.3 161.3 161.3 161.3 0% 0% 70% 70% 60% 24% 0% 0% 0% 0% 0% 0% 0% 0% 1,787.1 0.0 0.0 0.0 33.1 4,701.7 141.1 141.1 121.0 2,261.3 60.5 60.5 47.6 0.0 0.0 0.0 8,750.0 201.6 201.6 201.6 201.6 201.6 400.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1994-2045 2003 2004 2005 2006 17,500.0 403.2 403.2 403.2 468.1 3,936.2 2,661.6 3,064.8 3,468.1 3,936.2 8,750.0 201.6 201.6 201.6 234.1 1,330.8 1,532.4 1,734.0 1,968.1 1,330.8 1,532.4 1,734.0 1,968.1 0.0 0.0 0.0 0.0 0.0 161.3 161.3 161.3 161.3 187.3 161.3 161.3 187.3 161.3 161.3 161.3 161.3 161.3 161.3 161.3 161.3 17.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	17,500.0 1861.3 187.3 18	1994-2045 2003 2004 2005 2006 2007 2008	1994-2045 2003 2004 2005 2006 2007 2008 2009		

Source: SACOG Housing and Employment Forecasts

(1) After the first 400 acres is acquired, each dditional habitat is acquired based on the amount of

urban development from the current year.

(2) The HCP does not limited the number of how much may be hunted under this econo

ible for hunting. The percentages represent uγsis, not what necessarily can or will be hunted. "land_cost"

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Figure B-1 Natomas Basin HCP Habitat Lands Acquired & Restored/Enhanced

/5030\$E									
6.0	Total	16	17	18	19	20	21	22 2017	23 2018
\$\$4.885	1994-2045	· 2011	2012	2013	2014	.2015	2016	2017	2010
Annual Developed Acreage Cumulative Developed Acreage	17,500.0	754.6 6,563.3	754.6 7,317.9	754.6 8,072.5	754.6 8,827.1	754.6 9,581.7	425.0 10,006.7	425.0 10,431.7	425.0 10,856.7
		·		•				040.5	010 5
Annual Mitigation Requirement Cumulative Mitigation	8,750.0	377.3 3,281.6	377.3 3,659.0	377.3 4,036.3	. 377.3 4,413.6	377.3 4,790.9	212.5 5,003.4	212.5 5,215.9	212.5 5,428.4
Habitat Acquired (1)	8,750.0	377.3	377.3	377.3	377.3	377.3 4,790.9	212.5 5,003.4	212.5 5,215.9	212.5 5,428.4
Cumulative Habitat Acreage Surplus / Shortlall Acquisition		3,281.7 0.0	3,659.0 0.0	4,036.3 0.0	4,413.6 0.0	0.0	0.0	0.0	0.0
Land Acquisition	1,750.0	75.5	75.5	75.5	75.5	75.5	42.5	42.5	42.5
Out-of-Basin Lands In-Basin Lands	7,000.0	301.8	301.8	301.8	301.8	301.8	170.0	170.0	170.0
Initial Use of Acquired Land		oma:	070/	25%	25%	25%	25%	25%	25%
Maish Existing Rice		25% 50%	25% 50%	25% 50%	50%	50%	50%	50%	50%
Other Converted to Rice		25%	25%	25%	25%	25%	25%		
Other		0%	0%	0%	0%	0%	0%	0%	. 0%
Use of Land							F0.4	50.4	50.4
Marsh	1,787.1	94.3	94.3	94.3	94.3	94.3	53.1 106.3	53.1 106.3	53.1 106.3
Existing Rice Base	4,701.7	188.7	188.7	188.7	188.7 94.3	188.7 94.3	53.1	53.1	53.1
Other Converted to Rice	2,261.3	94.3	94.3	94.3 0.0	. 0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	377.3	377.3	377.3	212.5	212.5	212.5
Subtotal "	8,750.0	377.3	377.3	3/1.3	311.3	311.3			*
Rice Converted to Marsh	400.0	0.0	0.0	0,0	0.0	0.0	0.0	0.0	0.0
Cumulative Acreage						4.407.0	4 050 4	1 000 "	1,356.6
Marsh		820.0	914.3	1,008.6	1,102.9	1,197.3 3,593.6	1,250.4 3,753.0	1,303.5 3,912.4	
Rice		2,461.7	2,744.7	3,027.6	3,310.6 0.0	3,593.6	3,753.0	3,912.4	
Other Subtotal		0.0 3,281.7	0.0 3,659.0	0.0 4,036.3	4,413.6	4,790.9	5,003.4	5,215.9	
Hunting Acreage as Percent of Total (l (2)	50%	50%	د 50% ،	50%	50%	40%	40%	
Hunting Acreage		1,640.8	1,829.5	2,018.1	2,206.8	2,395.4	2,001.3	2,086.3	
Total Duck Hunters	,	219	244	269	294	319	267	278	290
Cumulative Acreage		25%	25%	25%	25%	25%	25%	25%	25%
Marsh Rice		75%	75%	75%	75%	75%	75%	75%	75%
Other	1	0%	0%	0%	0%	0%	0%	. 0%	0%

Source: SACOG Housing and Employment Forecasts

⁽¹⁾ After the first 400 acres is acquired, each year additional habitat is acquired based on the urban development from the current year.

⁽²⁾ The HCP does not limited the number of acres eligible for hunting. The percentages represent

Figure B-1 Natomas Basin HCP Habitat Lands Acquired & Restored/Enhanced

1468	Total	24	25	26	27	28	29	30	31
States of the con-	1994-2045	, 2019	2020	2021	2022	2023	2024	2025	2026
	17 500 0	425.0	425.0	425.0	425.0	425.0	425.0	425.0	425.0
Annual Developed Acreage	17,500.0	11,281.7	425.0 11,706.7	12,131.7	12,556.7	12,981.7	13,406.7	13,831.7	14,256.7
Cumulative Developed Acreage		1.1,201,7	11,700.7	12,151.7	12,000.7	12,801.7	10,400.1	10,001.1	* * * .
Annual Mitigation Requirement	8,750.0	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5
Cumulative Mitigation		5,640.9	5,853.4	6,065.9	6,278.4	6,490.9	6,703.4	6,915.9	7,128.4
labitat Acquired (1)	8,750.0	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5
Cumulative Habitat Acreage		5,640.9	5,853.4	6,065.9	6,278.4	6,490.9	6,703.4	6,915.9	7,128.4
Surplus / Shortfall Acquisition	. [0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
and Acquisition									
Out-of-Basin Lands	1,750.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
In-Basin Lands	7,000.0	170.0	170.0	170.0	170.0	170.0	170.0	170,0	170.0
nitial Use of Acquired Land					•				
Marsh		25%	25%	25%	25%	25%	25%	25%	25%
Existing Rice		50%	50%	50%	50%	50%	50%	50%	509
Other Converted to Rice		25%	25%	25%	25%	25%	25%	25%	259
Other		0%	0%	0%	0%	0%	0%	0%	09
Jse of Land	· ·								
Marsh	1,787.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
Existing Rice Base	4,701.7	106.3	106.3	106.3	106.3	106.3	106.3	106.3	. 106.
Other Converted to Rice	2,261.3	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	8,750.0	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.
Rice Converted to Marsh	400.0	. 0.0	0.0	0.0	0.0	0,0	0.0	0.0	0.0
Sumulative Acreage									
Marsh Marsh		1,409.8	1,462.9	1.516.0	1,569,1	1.622.3	1,675.4	1,728.5	1,781.6
	·	4,231.1	4,390.5	4.549.9	4.709.2	4,868.6	5,028.0	5.187.4	5,346.
Rice Other		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	1	5,640.9	5,853.4	6,065.9	6,278.4	6,490.9	6,703.4	6,915.9	7,128.
I lunting Acreage as Percent of Total (2) l	40%	40%	40%	40%	40%	40%	40%	40°
Hunting Acreage	·	2,256.3	2,341.3	2,426.3	2,511.3	2,596.3	2,681.3	2,766.3	2,851.
Total Duck Hunters		301	312	324	335	346	358	369	380
Cumulative Acreage	.	•						•	
Marsh		25%	25%	25%	25%	25%	25%	25%	25
Rice		75%	75%	75%	75%	75%	75%	75%	75
Other	.	0%	0%	0%	0%	0%	0%	0%	09

Source: SACOG Housing and Employment Forecasts

⁽¹⁾ After the first 400 acres is acquired, each year additional habitat is acquired based on the amount of urban development from the current year.

⁽²⁾ The HCP does not limited the number of



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14 1 TH	Total	32	33	34	35	36	37	38	39
	1994-2045	2027	2028	2029	2030	2031	2032	2033	2034
Annual Developed Acreage	17,500.0	425.0	425.0	425.0	425.0	425.0	425.0	425.0	268.3
Cumulative Developed Acreage		14,681.7	15,106.7	15,531.7	15,956.7	16,381.7	16,806.7	17,231.7	17,500.0
Annual Mitigation Requirement	8,750.0	212.5	212.5	212.5	212.5	212.5	212.5	212.5	134.2
Cumulative Mitigation	ļ	7,340.9	7,553.4	7,765.9	7,978.4	8,190.9	8,403.4	8,615.9	8,750.0
labitat Acquired (1)	8,750.0	212.5	212.5	212.5	212.5	212.5	212.5	212.5	134.2
Cumulative Habitat Acreage		7,340.9	7,553.4	7,765.9	7,978.4	8,190.9	8,403.4	8,615.9	8,750.0
Surplus / Shortlall Acquisition		0.0	0.0	0.0	0.0	, 0.0	0.0	0.0	0.0
Land Acquisition									
Out-of-Basin Lands	1,750.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	26.8
In-Basin Lands	7,000.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	107.3
nitial Use of Acquired Land	1								
Marsh		25%	25%	25%	25%	25%	25%	25%	25%
Existing Rice		50%	50%	50%	50%	50%	50%	50%	50%
Other Converted to Rice		25%	25%	25%	25%	25%	25%	25%	25%
Other		0%	0%	0%	0%	0%	0%	0%	0%
Use of Land									
Marsh's	1,787.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	33.5
Existing Rice Base	4,701.7	106.3	106.3	106.3	106.3	106.3	106.3	106.3	67.1
Other Converted to Rice	2,261.3	53.1	53.1	53.1	53.1	53.1	53.1	53.1	33.5
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	8,750.0	212.5	212.5	212.5	212.5	212.5	212.5	212.5	134.2
Rice Converted to Marsh	400.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cumulative Acreage	-								
Marsh	1	1,834.8	1,887.9	1,941.0	1,994.1	2,047.3	2,100.4	2,153.5	2,187.1
Rice		5,506.1	5,665.5	5,824.9	5,984.2	6,143.6	6,303.0	6,462.4	6,563.0
Other	1.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal		7,340.9	7,553.4	7,765.9	7,978.4	8,190.9	8,403.4	8,615.9	8,750.0
lunting Acreage as Percent of Total (2)		40%	40%	40%,	40%	40%	40%	40%	40%
Hunting Acreage		2,936.3	3,021.3	3,106.3	3,191.3	3,276.3	3,361.3	3,446.3	3,500.0
Total Duck Hunters		392	403	414	426	437	448	460	467
Cumulative Acreage									
March	!	the contract	25%	25%	25%	25%	25%	25%	25%





Figure B-1
Natomas Basin HCP
Habitat Lands Acquired & Restored/Enhanced

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77 (14) 37 (14) 77 (14)	Total 1994-2045	40 2035	41 2036	42 2037	43 2038	44 2039	45 2040	46 2041
\$ 44 a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1994-2045		2000					
Annual Developed Acreage Cumulative Developed Acreage	17,500.0	0.0 17,500.0	0.0 17,500.0	0.0 17,500.0	0.0 17,500.0	0.0 17,500.0	0.0 17,500.0	0.0 17,500.0
Annual Mitigation Requirement Cumulative Mitigation	8,750.0	0.0 8,750.0	0.0 8,750.0	0.0 8,750.0	0.0 8,750.0	0.0 8,750.0	0.0 8,750.0	0.0 8,750.0
Habitat Acquired (1) Cumulative Habitat Acreage Supplie / Shortfall Acquisition	8,750.0	0.0 8,750.0 0.0	0.0 8,750.0 0.0	0.0 8,750.0 0.0	0.0 8,750.0 0.0	0.0 8,750.0 0.0	0.0 8,750.0 0.0	0.0 8,750.0 0.0
Land Acquisition Out-of-Basin Lands In-Basin Lands	1,750.0 7,000.0	0.0 0.0	0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0	0.0
Initial Use of Acquired Land Marsh Existing Rice Other Converted to Rice Other		25% 50% 25% 0%	25% 50% 25% 0%	25% 50% 25% 0%	25% 50% 25%	25% 50% 25% 0%	25% 50% 25% 0%	25° 50° 25° 0°
Use of Land Marsh Existing Rice Base Other Converted to Rice Other	1,787.1 4,701.7 2,261.3 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0. 0. 0. 0.
Subtotal Rice Converted to Marsh	8,750.0 400.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.
Cumulative Acreage Marsh Rice Other Subtotal		2,187.1 6,563.0 0.0 8,750.0	2,187.1 6,563.0 0.0 8,750.0	2,187.1 6,563.0 0.0 8,750.0	2,187.1 6,563.0 0.0 8,750.0	2,187.1 6,563.0 0.0 8,750.0	2,187.1 6,563.0 0.0 8,750.0	2,187. 6,563. 0. 8,750.
Hunting ge as Percent of Total (2 Hr g Acreage	2)	40% 3,500.0 467	40% 3,500.0 467	₃40% 3,500.0 467	40% 3,500.0 467	40% 3,500.0 467	40% 3,500.0 467	40 <u>.</u> 500 46

Figure B-1 Natomas Basin HCP Habitat Lands Acquired & Restored/Enhanced

	Total	47	48	49	50
	1994-2045	2042	2043	2044	2045
Annual Developed Acreage	17,500.0	0.0	0.0	0.0	0.0
Cumulative Developed Acreage	17,000.0	17,500.0	17,500.0	17,500.0	17,500.0
Annual Mitigation Requirement	8,750.0	0.0	0.0	0.0	0.0
Cumulative Miligation	, '	8,750.0	8,750.0	8,750.0	8,750.0
Habitat Acquired (1)	8,750.0	0.0	0.0	0.0	0.0
Cumulative Habitat Acreage		8,750.0	8,750.0	8,750.0	8,750.0
Surplus / Shortfall Acquisition	,	0.0	0.0	0.0	0.
Land Acquisition	• .	<i>t</i>			
Out-of-Basin Lands	1,750.0	0.0	0.0	0.0	0.0
In-Basin Lands	7,000.0	0.0	0.0	0.0	0.0
Initial Use of Acquired Land	· .	r			
Marsh		25%	25%	25%	25
Existing Rice	•	50%	50%	50%	50
Other Converted to Rice		25%	25%	25%	25
Other		0%	0%	0%	, 0
Use of Land	<u></u>			,	
Marsh	1,787.1	0.0	0.0	0.0	0.
Existing Rice Base	4,701.7	0.0	0.0	0.0	0.
Other Converted to Rice	2,261.3	0.0	0.0	0.0	0.
Other,	0.0	0.0	0,0	0.0	0.
Subtotal	8,750.0	0.0	0.0	0.0	0.
Rice Converted to Marsh	400.0	0.0	0.0	0.0	0.0
Cumulative Acreage					
Marsh		2,187.1	2,187.1	2,187.1	2,187.
Rice r		6,563.0	6,563.0	6,563.0	6,563.
Other		0.0	0.0	0.0 8.750.0	0. 8,750.
Subtotal		8,750.0	8,750.0	6,750.0	0,7 50.
Hunting Acreage as Percent of Total	(2)	40%	40%	, 40%	40
Hunting Acreage		3,500.0	3,500.0	3,500.0	3,500.
Total Duck Hunters		467	467	467	46
Cumulative Acreage					
Marsh		25%	25%	25%	25
Rice %	1	75% 0%	75% 0%	75% 0%	75 0
Other		0%	0%	U%	U

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Figure B-2 Natomas Basin HCP Acquisition and Restoration/Enhancement

Constant 1995\$

C 8 -3455 - 477 y 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	·								
om Winds of the control of the contr	Total	0	0	1	2	3	4	5	. 6
3.5	1994-2045	1994	1995	1996	1997	1998	1999	2000	2001
Land Acquisition Cost			•						
Land Cost - 1995\$	\$29,093,830	\$0	\$0	\$1,330,000	\$0	\$0	\$0	\$1,083,938	\$670,351
Rest	420,000,000	**	, **	41,000,000	4 5		**	41,000,000	43,3,53,
Plus Transaction Costs	\$2,909,383	\$0	\$0	\$133,000	\$0	\$0	\$0	\$108,394	\$67,035
Total Acquisition Cost - 1995\$	\$32,003,213	\$ 0	\$0	\$1,463,000	\$0	\$0	\$0	\$1,192,332	\$737,386
Inflated Acquisition Cost	\$32,003,213	\$0	\$0	\$1,463,000	\$0	\$0	\$0	\$1,192,332	\$737,386
Active Control of the		•							
LA Fee Revenue - 1995\$	\$32,025,049	\$ 0	\$0	\$0	\$664,277	\$664,277	\$664,277	\$664,277	\$737,890
Inflated LA Fee Revenue	****		A O	**	0004.077	0004.077	6004.077	0004.077	A707 000
Innated LA Fee Revende	\$32,025,049	\$ 0	\$0	\$0	\$664,277	\$664,277	\$664,277	\$664,277	\$737,890
, (N. 188)		***************************************							
Restoration/Enhancement Costs				•					
Marsh	\$625,471	\$0	\$0	\$0	\$0	\$0	\$0	. \$0	\$0
Existing Rice	\$940,332	\$0	\$0	\$56,000	\$0	\$0	\$0	\$45,640	\$28,225
Other Converted to Rice	\$791,457	\$0	\$0	\$42,000	\$0	\$0	\$0	\$34,230	\$21,169
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rice Converted to Marsh	\$80,000	\$ 0	\$0	\$0	\$0	\$0	\$40,000	\$40,000	\$0
Total Cost - 1995\$	\$2,437,259	\$0	\$0	\$98,000	\$0	\$0	\$40,000	\$119,869	\$49,394
Inflated Development Cost	\$2,437,259	\$0	\$0	\$98,000	\$0	\$0	\$40,000	\$119,869	\$49,394
the figure of the state of the					•				•
RE Fee Rev 1995\$	\$2,450,004	\$0	\$0	\$0	\$50,819	\$50,819	\$50,819	\$50,819	\$56,451
Inflated RE Fee Revenue	\$2,450,004	\$ 0	\$0	\$0	\$50,819	\$50,819	\$50,819	\$50,819	\$ 56,451
And the second s					·		<u>-</u>	·	•

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Figure B-2
Natomas Basin HCP
Acquisition and Restoration/Enhancement

Constant 1995\$

nflated RE Fee Revenue	\$2,450,004	\$ 56,451	\$56,451	\$56,451	\$ 56,451	\$65,538	\$65,538	\$65,538
RE Fee Rev 1995\$	\$2,450,004	\$56,451	\$56,451	\$ 56,451	\$ 56,451	\$65,538	\$65,538	\$65,538
under Development Cost	\$2,437,259	\$49,394	\$49,394	\$49,394	\$52,418	\$64,367	\$64,367	\$64,367
igea ger offated Development Cost		. •	•	¥10,00¥	402,410	\$64,367	\$64,367	\$64,367
Total Cost - 1995\$	\$2,437,259	\$49,394	\$49,394	\$49,394	\$52,418	• -	\$0 \$64.067	\$(
Rice Converted to Marsh	\$80,000	\$0	\$0	\$0	\$0	\$0 \$0	\$0 ***	\$
Other	\$0	\$0	\$0	φ∠1,169 \$0	\$16,653 \$0	\$20,480	\$20,480	\$20,48
Other Converted to Rice	\$791,457	\$21,169	\$21,169	\$28,225 \$21,169	\$24,193	\$23,406	\$23,406	\$23,40
Existing Rice	\$940,332	\$28.225	\$0 \$28,225	\$0 \$00.005	\$11,572	\$20,480	\$20,480	\$20,48
Restoration/Enhancement Costs Marsh	\$625,471	\$0	¢ n	•				
						······································		•
nflated LA Fee Revenue	\$32,025,049	\$737,890	\$737,890	\$737,890	\$737,890	\$856,670	\$856,670	\$856,67
A Fee Revenue - 1995\$	\$32,025,049	\$737,890	\$737,890	\$737,890	\$737,890	\$856,670	\$856,670	\$856,67
34 排機					·	,	+3,000	4000,00
nflated Acquisition Cost	\$32,003,213	\$737,386	\$737,386	\$737,386	\$737,386	\$856,085	\$856,085	\$856,08
Total Acquisition Cost - 1995\$	\$32,003,213	\$737,386	\$737,386	\$737,386	\$737,386	\$856,085	\$856,085	\$856,08
Plus Transaction Costs	\$2,909,383	\$67,035	\$67,035	\$67,035	\$67,035	\$77,826	\$77,826	\$77,82
Land Cost - 1995\$	\$29,093,830	\$670,351	\$670,351	\$670,351	\$670,351	\$778,259	\$778,259	\$778,2
and Acquisition Cost		•						
The Delta Mills			2003	2004	2005	2006	2007	2008
<u> </u>	1994-2045	2002	2003	2004	10	11	12	13

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Figure B-2
Natomas Basin HCP
Acquisition and Restoration/Enhancement

1. Sec. 14. 19. 1.

Constant 1995\$

a fator for	Total	14	15	16	. 17	18	19	20
	1994-2045	2009	2010	2011	2012	2013	2014	2015
1. 最高分裂性。	·							
Land Acquisition Cost				•				
Land Cost - 1995\$	\$29,093,830	\$778,259	\$778,259	\$1,254,534	\$1,254,534	\$1,254,534	\$1,254,534	\$1,254,534
Plus Transaction Costs	\$2,909,383	\$77,826	\$77,826	\$125,453	\$125,453	\$125,453	\$125,453 °	\$125,453
Total Acquisition Cost - 1995\$	\$32,003,213	\$856,085	\$856,085	\$1,379,987	\$1,379,987	\$1,379,987	\$1,379,987	\$1,379,987
Inflated Acquisition Cost	\$32,003,213	\$856,085	\$856,085	\$1,379,987	\$1,379,987	\$1,379,987	\$1,379,987	\$1,379,987
LA Fee Revenue - 1995\$	\$32,025,049	\$856,670	\$856,670	\$1,380,931	\$1,380,931	\$1,380,931	\$1,380,931	\$1,380,931
Inflated LA Fee Revenue	\$32,025,049	\$856,670	\$856,670	\$1,380,931	\$1,380,931	\$1,380,931	\$1,380,931	\$1,380,931
Restoration/Enhancement Costs	3.0							
Marsh	\$625,471	\$20,480	\$20,480	\$33,014	\$33,014	\$33,014	\$33,014	\$33,014
Existing Rice	\$940,332	\$23,406	\$23,406	\$37,730	\$37,730	\$37,730	\$37,730	\$37,730
Other Converted to Rice	\$791,457	\$20,480	\$20,480	\$33,014	\$33,014	\$33,014	\$33,014	\$33,014
Other,	\$0	- \$0	\$0	\$0	\$0	\$0	\$0	\$0
Rice Converted to Marsh	\$80,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - 1995\$	\$2,437,259	\$ 64,367	\$ 64,367	\$103,758	\$103,758	\$103,758	\$103,758	\$103,758
inflated Development Cost (1984)8 (n) (1987) (series (sector))	\$2,437,259	\$ 64,367	\$64,367	\$103,758	\$103,758	\$103,758	\$103,758	\$103,758
RE Fee Rev 1995\$	\$2,450,004	\$ 65,538	\$65,538	\$105,645	\$105,645	\$105,645	\$105,645	\$105,645
Inflated RE Fee Revenue	\$2,450,004	\$ 65,538	\$65,538	\$ 105,645	\$105,645	\$105,645	\$105,645	\$105,645

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Figure B-2
Natomas Basin HCP
Acquisition and Restoration/Enhancement

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。 特別網科達 2 点	Total	21	22	23	24	25	26	27
	1994-2045	2016	2017	2018	2019	2020	2021	2022
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		50.7		F + 1		# 147 ⁶	* , , *	
Land Acquisition Cost					•			
Land Cost - 1995\$	\$29,093,830	\$706,563	\$706,563	\$706,563	\$706,563	\$706,563	\$706,563	\$706,563
Plus Transaction Costs	\$2,909,383	\$70,656	\$70,656	\$70,656	\$70,656	\$70,656	\$70,656	\$70,656
Total Acquisition Cost - 1995\$	\$32,003,213	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219
Inflated Acquisition Cost	\$32,003,213	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219
haline sale		,						
LA Fee Revenue - 1995\$	\$32,025,049	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750
Inflated LA Fee Revenue	\$32,025,049	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750
Restoration/Enhancement Costs								
Marsh	\$625,471	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594	\$18.594
Existing Rice	\$940,332	\$21,250	\$21,250	\$21,250	\$21,250	\$21,250	\$21,250	\$21,250
Other Converted to Rice	\$791,457	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Rice Converted to Marsh	\$80,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Cost - 1995\$	\$2,437,259	\$ 58,438	\$58,438	\$58,438	\$58,438	\$58,438	\$58,438	\$58,438
Inflated Development Cost	\$2,437,259	\$58,438	\$58,438	\$58,438	\$58,438	\$ 58,438	\$58,438	\$58,438
TO SEE TO SEE THE TO S								
RE Fee Rev 1995\$	\$2,450,004	\$59,500	\$59,500	\$59,500	\$59,500	\$59,500	\$59,500	\$59,500
Inflated RE Fee Revenue	\$2,450,004	\$59,500	\$59,500	\$ 59,500	\$59,500	\$59,500	\$59,500	\$59,500

Figure B-2
Natomas Basin HCP
Acquisition and Restoration/Enhancement

The state of the s

A Commence of the Commence of	Total	28	29	30	31	32	33	34
•	1994-2045	2023	2024	2025	2026	2027	2028	2029
the first of the	. +(*)	distribution			•		•	
Land Acquisition Cost Land Cost - 1995\$ THE PART OF	\$29,093,830	\$706,563	\$706,563	\$706,563	\$706,563	\$706,563	\$706,563	\$706,563
Plus Transaction Costs	\$2,909,383	\$70,656	\$70,656	\$70,656	\$70,656	\$70,656	\$70,656	\$70,656
Total Acquisition Cost - 1995\$	\$32,003,213	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219
Inflated Acquisition Cost मुक्काली क	\$32,003,213	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219	\$777,219
LA'Fee Revenue - 1995\$	\$32,025,049	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750
Inflated LA Fee Revenue	\$32,025,049	\$777,750	\$777,750	\$777,750	\$777,750	\$ 777 , 750	\$777,750	\$777,750
Restoration/Enhancement Costs		:	•					
Marsh	\$625,471	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594
Existing Rice	\$940,332	\$21,250	\$21,250	\$21,250	\$21,250	\$21,250	\$21,250	\$21,250
Other Converted to Rice	\$791,457	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594	\$18,594
Other	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0
Rice Converted to Marsh	\$80,000	\$0	\$0	\$0	\$0	\$0 \$50,430	\$0 \$58,438	\$58,438
Total Cost - 1995\$	\$2,437,259	\$ 58,438	\$58,438	\$ 58,438	\$ 58,438	\$58,438	\$20,430	430,430
Inflated Development Cost	\$2,437,259	\$ 58,438	\$58,438	\$ 58,438	\$58,438	\$58,438	\$58,438	\$58,438
DE Con Day 140056	\$2,450,004	\$59,500	\$59,500	\$59,500	\$59,500	\$59,500	\$59,500	\$59,500
RE Fee Rev 1995\$	\$2,450,004	408,000	400,000	400,000	400,000	*******	+ +	, ,
Inflated RE Fee Revenue	\$2,450,004	\$59,500	\$59,500	\$59,500	\$59,500	\$59,500	\$59,500	\$59,500



Figure B-2
Natomas Basin HCP
Acquisition and Restoration/Enhancement

Cappage St. F. at the co.	Total	35	36	37	38	39	40	41
STANDARD SAME TO STANDARD SAME SAME SAME SAME SAME SAME SAME SAME	1994-2045	2030	2031	2032	2033	2034	2035	2036
Marie State Control of the Control o								
Land Acquisition Cost								# 0
Land Cost - 1995\$	\$29,093,830	\$706,563	\$706,563	\$706,563	\$706,563	\$446,049	\$0	\$0
ा । स्ट्रिक्ट्ड हुस्स ्टा इन्						***	•	*^
Plus Transaction Costs	\$2,909,383	\$70,656	\$70,656	\$70,656	\$70,656	\$44,605	\$0	\$0
Foliat Creat Contract			•					40
Total Acquisition Cost - 1995\$	\$32,003,213	\$777,219	\$777,219	\$777,219	\$777,219	\$490,654	\$0	\$0
Children		*				٠		
Inflated Acquisition Cost	\$32,003,213	\$777,219	\$777,219	\$777,219	\$777,219	\$490,654	\$0	\$0
STANDARD - OA								
- 大陸は相き								
LA Fee:Revenue - 1995\$	\$32,025,049	\$777,750	\$777,750	\$777,750	\$777,750	\$490,989	\$0	\$0
Inflated LA Fee Revenue	\$32,025,049	\$777,750	\$777,750	\$777,750	\$777,750	\$490,989	\$0	\$0
16. 有种种性 扩张 4. 2 % 1. 25 1. 25 1.		<u></u>						
Restoration/Enhancement Costs								•
	\$60E 471	\$18,594	\$18,594	\$18,594	\$18,594	\$11,738	\$0	\$0
Marsh	\$625,471 \$940,332	\$21,250	\$21,250	\$21,250	\$21,250	\$13,415	\$0	\$0
Existing Rice	1 ' ' 1	\$18,594	\$18,594	\$18,594	\$18,594	\$11,738	\$0	\$0
30 Other Converted to Rice	\$791,457	\$10,594 \$0	\$10,554	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0	\$0	\$0
Rice Converted to Marsh	\$80,000	• •	•	\$58,438	\$58,438	\$ 36,891	\$0	\$0
Total Cost - 1995\$	\$2,437,259	\$58,438	\$58,438	\$ 30,430	400,400	400,081	40	•
a restriction	40 407 050	6 50 400	6 50 420	\$58,438	\$58,438	\$36,891	\$0	\$0
Inflated Development Cost	\$2,437,259	\$ 58,438	\$ 58,438	\$30,430	400,400	400,081	••	•••
4 TO ME.								
The years	00 450 004	6 50 500	eco coo	\$59,500	\$59,500	\$37,562	\$0	. \$0
RE Fee Rev 1995\$	\$2,450,004	\$59,500	\$59,500	408,000	408,000	451,50Z	40	Ψ.
Inflated DE Con Davanus	\$2,450,004	\$59,500	\$59,500	\$ 59,500	\$59,500	\$37,562	\$0	\$0
Inflated RE Fee Revenue	\$2,450,004	408,000	408,000	400,000	400,000	¥4.,50£	••	**

Figure B-2
Natomas Basin HCP
Acquisition and Restoration/Enhancement

and a subsequence of the subsequ						44,	
5°-600位 图象	Total	42	43	44	45	46	47
	1994-2045	2037	· 2038	2039	2040	2041	2042
建筑物的 是 2000		7					
Land Acquisition Cost						••	\$0
Land Cost - 1995\$	\$29,093,830		\$0 \$0	\$0	\$0	\$0	20
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					•	60	\$0
Plus Transaction Costs	\$2,909,383		\$0 \$0	\$0	\$0	\$0	φυ
美国建筑的 多一年 一	,			••	••	60	\$0
Total Acquisition Cost - 1995\$	\$32,003,213		\$0 \$0	\$0	\$0	\$0	\$0
्रहरू <mark>क्क</mark>					,		
inflated Acquisition Cost	\$32,003,213		\$0 \$0	\$0	\$0	\$0	\$0
· Programme of							
1 40		:			40	\$0	\$0
LA Fee Revenue - 1995\$	\$32,025,049		\$0 \$0	\$0	\$0	ΦU	Φ0
Inflated LA Fee Revenue	\$32,025,049		\$0 \$ 0	\$0	\$0	\$0	\$0
्रम्बेब्र्य्यं स्र्रेर्णेक का अवस्तात्व	552,025,048		, 0	•	**	**	
A STATE OF THE STA			<u>. ,</u>				
Restoration/Enhancement Costs	5,1		•				
Marsh	\$625,471		\$0 \$0	\$0	\$0	\$0	\$0
Existing Rice	\$940,332		\$0 \$0	\$0	\$0	\$0	\$0
Other Converted to Rice	\$791,457		\$0 \$ 0	\$0	. \$0	\$0	\$0
Other	\$0		\$0 \$C	- \$0	. \$0	\$0	\$0
Rice Converted to Marsh	\$80,000		\$0 \$ 0	\$0	\$0	\$0	. \$0
Total Cost - 1995\$	\$2,437,259		\$0 \$0			\$0	\$0
same (ASCA SALVE	12,111,111				•		
Inflated Development Cost	\$2,437,259		\$0 \$0	\$0	• \$0	\$0	\$0
F 197				•			•
RE Fee Rev 1995\$	\$2,450,004		\$0 \$0		\$0	\$0	\$0
Inflated RE Fee Revenue	\$2,450,004	,	\$ 0 \$ 0	\$0	\$0	\$0	\$0

Figure B-2
Natomas Basin HCP
Acquisition and Restoration/Enhancement

3. M. C. T. B	Total	48	49	50
2	1994-2045	2043	2044	2045
Land Acquisition Cost		. ,		
Land Cost - 1995\$	\$29,093,830	\$0	\$0	\$0
Plus Transaction Costs	\$2,909,383	\$0	\$0	\$
Total Acquisition Cost - 1995\$	\$32,003,213	\$0	\$0	\$(
Inflated Acquisition Cost	\$32,003,213	\$0	\$0	\$0
LA Fee Revenue - 1995\$	\$32,025,049	\$0	\$0	\$0
Inflated LA Fee Revenue	\$32,025,049	\$0	\$0	\$(
\$1794			· · · · · · · · · · · · · · · · · · ·	
Restoration/Enhancement Costs				
Marsh	\$625,471	\$0	\$0	\$0
Existing Rice	\$940,332	\$0	\$0	\$0
Other Converted to Rice	\$791,457	\$0	\$0	\$0
¹⁶ Other ¹⁰⁶	\$0	\$0	\$0	\$0
Rice Converted to Marsh	\$80,000	\$0	\$0	\$0
Total Cost - 1995\$	\$2,437,259	\$0	\$0	\$(
Inflated/Development Cost	\$2,437,259	\$0	\$0	\$0
RE Fee Rev 1995\$	\$2,450,004	\$0	\$0	\$0
Inflated RE Fee Revenue	\$2,450,004	\$0	\$0	\$

Figure B-3 Natomas Basin HCP Operations & Maintenance Costs

्राप्ताः १०५५मा इस्टिस्टस् Constant 1995\$

A 48 70 PM	Total	0	0	1	2	3	4	5	6
e. Gaise and Eng.	1994-2045	1994	1995	1996	1997	1998	1999	2000	2001
一位各种种种位				!					
Rice Lands								400/	400/
Not Farmable/Uplands		0%	0%	10%	10%	10%	10%	10%	10%
Set-Aside/Fallow		0%	0%	9%	9%	9%	9%	9%	9%
Leased for Other Crops		0%	0%	30%	30%	30%	30%	30%	30%
Leased Rice Base Land		0%	0%	51%	51%	51%	51%	51%	51%
			•						
Ricé Lands									50.0
Not Farmable/Uplands		0.0	0.0	40.0	40.0	40.0	20.0	32.6	52.8
Set-Aside/Fallow		0.0	0.0	36.0	36.0	36.0	18.0	29.3	47.5
Leased for Other Crops		0.0	0.0	121.5	121.5	121.5	60,8	99.0	160.3
Leased Rice Base Land		0.0	0.0	202.5	202.5	202.5	101.3	165.0	267.1
Total Rice Lands		0.0	0.0	400.0	400.0	400.0	200.0	326.0	527.6
Rice Lands									
Not Farmable/Uplands	\$1,448,643	\$0	\$0	\$2,878	\$2,878	\$2,878	\$1,439	\$2,346	\$3,797
Set-Aside/Fallow	\$1,484,964	\$0	\$0	\$2,951	\$2,951	\$2,951	\$1,475	\$2,405	\$3,892
Leased for Other Crops	\$4,400,253	- \$0	\$0	\$8,743	\$8,743	\$8,743	\$4,371	\$7,125	\$11,532
Leased Rice Base Land	\$7,333,756	\$0	\$0	\$14,572	\$14,572	\$14,572	\$7,286	\$11,876	\$19,220
Subtotal Rice	\$14,667,616	\$0	\$0	\$29,143	\$29,143	\$29,143	\$14,572	\$23,752	\$38,440
AND AND AND AND AND AND AND AND AND AND	\$8,415,537	\$0	\$0	\$0	\$0	\$0	\$24,898	\$49,797	\$49,797
Marsh	\$0,415,537	\$0 \$0	,\$0	\$0 \$0	\$0	\$0	\$0	\$0	\$0
Other Hunting	1 ' 1	\$0 \$0	\$0 \$0	\$14,933	\$14,933	\$14,933	\$14,933	\$23,716	\$30,302
Huming "	\$5,347,273	\$0 \$0	\$0 \$0	\$50,000	\$50,000	\$50,000	\$50,000	\$100,000	\$150,000
Administration	\$8,150,000	φυ .	φυ	φου,υυυ	, φυν,υνυ		ψου,σου	Ψ.00,000	4100,000
Total O & M Costs	\$36,580,426	\$0	\$0	\$94,077	\$ 9 4,077	\$94,077	\$104,403	\$197,264	\$268,539
Inflated O & M Costs	\$36,580,426	\$0	\$0	\$94,077	\$94,077	\$94,077	\$104,403	\$197,264	\$268,539

"O&M_cost"

Figure B-3 Natomas Basin HCP Operations & Maintenance Costs

Constant 1995\$

	Total	7	8	9	10	11'	12	13
पुरस् वाकार कर्ना १८ । १८ ।	1994-2045	2002	2003	2004	2005	2006	2007	2008
Rice Lands				•				
Not Farmable/Uplands		10%	10%	10%	10%	10%	10%	10%
V ^o Set-Aside/Fallow		9%	9%	9%	9%	9%	9%	9%
Leased for Other Crops	'	30%	30%	30%	30%	30%	30%	30%
Leased Rice Base Land		51%	51%	51%	51%	51%	51%	51%
Rice Lands								
Not Farmable/Uplands		72.9	93.1	113.2	130.1	147.7	165.2	182.8
Set-Aside/Fallow		65.6	83.8	101.9	117.1	132.9	148.7	164.5
Leased for Other Crops	' '	221.5	282.7	344.0	395.2	448.5	501.8	555.1
Leased Rice Base Land		369.2	471.2	573,3	658.6	747.5	836.4	925.2
Total Rice Lands		729.2	930.8	1,132.4	1,301.0	1,476.5	1,652.1	1,827.6
Rice Lands					•	•		
Not Farmable/Uplands	\$1,448,643	\$5,247	\$6,698	\$8,149	\$9,362	\$10,625	\$11,888	\$13,151
Set-Aside/Fallow	\$1,484,964	\$5,379	\$6,866	\$8,353	\$9,596	\$10,891	\$12,186	\$13,481
Leased for Other Crops	\$4,400,253	\$15,939	\$20,345	\$24,752	\$28,436	\$32,273	\$36,110	\$39,947
Leased Rice Base Land	\$7,333,756	\$26,565	\$33,909	\$41,253	\$47,393	\$53,788	\$60,183	\$66,578
Subtotal Rice	\$14,667,616	\$53,129	\$67,818	\$82,507	\$94,787	\$107,577	\$120,367	\$133,157
Marsh	\$8,415,537	\$49,797	\$49,797	\$49,797	\$53,913	\$61,198	\$68,482	\$75,767
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hunting "	\$5,347,273	\$36,888	\$43,474	\$50,059	\$56,645	\$55,107	\$61,661	\$68,214
Administration	\$8,150,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Total O & M Costs	\$36,580,426	\$339,814	\$361,089	\$382,363	\$405,345	\$423,882	\$450,510	\$477,139
inflated O & M Costs	\$36,580,426	\$339,814	\$361,089	\$382,383	\$405,345	\$423,882	\$450,510	\$477,139

"O&M_cost"

Figure B-3 Natomas Basin HCP Operations & Maintenance Costs

\$ - 48 to 16 to

Constant 1995\$

·	Total	14	15	16	17	18	19	20
ir with	1994-2045	2009	2010	2011	2012	2013	2014	2015
Rice Lands								
Not Farmable/Uplands		10%	10%	10%	10%	10%	10%	10%
Set-Aside/Fallow		9%	9%	9%	9%	9%	9%	9%
Leased for Other Crops		30%	30%	30%	30%	30%	30%	30%
Leased Rice Base Land		51%	51%	51%	51%	51%	51%	51%
Rice Lands								•
Not Farmable/Uplands		200.3	217.9	246,2	274.5	302,8	331.1	359.4
Set Aside/Fallow		180.3	196.1	221.6	247.0	272.5	298.0	323.4
Leased for Other Crops		608.5	661.8	747.7	833.7	919.6	1,005.6	1,091.6
Leased Rice Base Land	.4	1.014.1	1,103.0	1,246.2	1,389,5	1,532.7	1,676.0	1,819.3
Total Rice Lands		2,003.2	2,178.7	2,461.7	2,744.7	3,027.6	3,310.6	3,593.6
いつかりの特殊		-,,	,	-,			,	
Rice Lands	:]							
Not Farmable/Uplands	\$1,448,643	\$14,414	\$15,678	\$17,714	\$19,750	\$21,786	\$23,823	\$25,859
Set-Aside/Fallow	\$1,484,964	\$14,776	\$16,071	\$18,158	\$20,245	\$22,333	\$24,420	\$26,507
Leased for Other Crops	\$4,400,253	\$43,784	\$47,621	\$53,806	\$59,991	\$66,176	\$72,361	\$78,547
Leased Rice Base Land	\$7,333,756	\$72,973	\$79,368	\$89,677	\$99,985	\$110,294	\$120,602	\$130,911
Subtotal Rice	\$14,667,616	\$145,947	\$158,737	\$179,355	\$199,972	\$220,589	\$241,207	\$261,824
Marsh	\$8,415,537	\$83,052	\$90,336	\$102,079	\$113,822	\$125,565	\$137,308	\$149,050
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hunting	\$5,347,273	\$74,768	\$67,768	\$76,572	\$85,376	\$94,180	\$102,983	\$111,787
Administration	\$8,150,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Total O & M Costs	\$36,580,426	\$503,767	\$516,842	\$558,006	\$599,170	\$640,334	\$681,497	\$722,661
Inflated O & M Costs	\$36,580,426	\$503,767	\$516,842	\$558,006	\$599,170	\$640,334	\$681,497	\$722,661

"O&M_cost"

Figure B-3 Natomas Basin HCP Operations & Maintenance Costs

	Total	21	22	23	24	25	26	27
prace and a second	1994-2045	2016	2017	2018	2019	2020	2021	2022
Rice Lands								
Not Farmable/Uplands	ľ	10%	10%	10%	10%	10%	10%	10%
Set-Aside/Fallow		9%	9%	9%	9%	9%	9%	9%
Leased for Other Crops		30%	30%	30%	30%	30%	30%	30%
Leased Rice Base Land		51%	51%	51%	51%	51%	51%	51%
Rice Lands								
Not Farmable/Uplands		\$375	\$391	\$407	\$423	\$439	\$455	\$471
Set-Aside/Fallow		337.8	352.1	366.5	380.8	395.1	409.5	423.8
Leased for Other Crops	.	1,140.0	1,188.4	1,236.8	1,285.2	1,333.6	1,382.0	1,430.4
Leased Rice Base Land		1,899.9	1,980.6	2,061.3	2,142.0	2,222.7	2,303.4	2,384.0
Total Rice Lands		3,753.0	3,912.4	4,071.7	4,231.1	4,390.5	4,549.9	4,709.2
Rice Lands								
Not Farmable/Uplands	\$1,448,643	\$27,006	\$28,153	\$29,299	\$30,446	\$31,593	\$32,740	\$33,887
Set-Aside/Fallow	\$1,484,964	\$27,683	\$28,858	\$30,034	\$31,210	\$32,385	\$33,561	\$34,736
Leased for Other Crops	\$4,400,253	\$82,030	\$85,514	\$88,997	\$92,481	\$95,964	\$99,448	\$102,931
Leased Rice Base Land	\$7,333,756	\$136,717	\$142,523	\$148,329	\$154,134	\$159,940	\$165,746	\$171,552
Subtotal Rice	\$14,667,616	\$273,436	\$285,047	\$296,659	\$308,271	\$319,883	\$331,495	\$343,106
∤ Marsh Other	\$8,415,537	\$155,664	\$162,278	\$168,891	\$175,505	\$182,118	\$188,732	\$195,346
Other Hunting	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hunting	\$5,347,273	\$93,396	\$97,363	\$101,330	\$105,296	\$109,263	\$113,230	\$117,196
Administration	\$8,150,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Total O & M Costs	\$36,580,426	\$722,496	\$744,688	\$766,880	\$789,072	\$811,264	\$833,456	\$855,648
Inflated O & M Costs	\$36,580,426	\$722,496	\$744,688	\$766,880	\$789,072	\$811,264	\$833,456	\$855,648

Figure B-3 Natomas Basin HCP Operations & Maintenance Costs

	Total	28	29	30	31	32	33	34
· ser fv, · se	1994-2045	2023	2024	2025	2026	2027	2028	2029
Rice Lands					•			
Not Farmable/Uplands		10%	10%	10%	10%	10%	10%	10%
Set-Aside/Fallow		9%	9%	9%	9%	9%	. 9%	9%
Leased for Other Crops	1	30%	30%	30%	30%	30%	30%	30%
Leased Rice Base Land		51%	51%	51%	51%	51%	51%	51%
Leased 1 100 Dase Earld		. 0170	3176	3176	3176	3176	3178	3170
Rice Lands								
Not Farmable/Uplands		\$487	\$503	\$519	\$535	\$551	\$567	\$582
Set-Aside/Fallow		438.2	452.5	466.9	481.2	495.5	509.9	524.2
Leased for Other Crops		1,478.8	1,527.2	1,575.7	1,624.1	1,672.5	1,720.9	1,769.3
Leased Rice Base Land		2,464.7	2,545.4	2,626.1	2,706.8	2,787.5	2,868.1	2,948.8
Total Rice Lands		4,868.6	5,028.0	5,187.4	5,346.7	5,506.1	5,665.5	5,824.9
Rice Lands				•				
Not Farmable/Uplands	\$1,448,643	\$35,034	\$36,180	\$37,327	\$38,474	\$39,621	\$40,768	\$41,915
Set-Aside/Fallow	\$1,484,964	\$35,912	\$37,088	\$38,263	\$39,439	\$40,614	\$41,790	\$42,966
Leased for Other Crops	\$4,400,253	\$106,415	\$109,898	\$113,382	\$116,865	\$120,349	\$123,832	\$127,316
Leased Rice Base Land	\$7,333,756	\$177,358	\$183,164	. ,	\$194,775	\$200,581	\$206,387	\$212,193
Subtotal Rice	\$14,667,616	\$354,718	\$366,330	\$377,942	\$389,554	\$401,165	\$412,777	\$424,389
Marsh _{±grt}	\$8,415,537	\$201,959	\$208,573	\$215,187	\$221,800	\$228,414	\$235,027	\$241,641
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hunting	\$5,347,273	\$121,163	\$125,130	\$129,096	\$133,063	\$137,030	\$140,996	\$144,963
Administration	\$8,150,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
in the second se		•						
Total O & M Costs	\$36,580,426	\$877,841	\$900,033	\$922,225	\$944,417	\$966,609	\$988,801	\$1,010,993
Inflated O & M Costs	\$36,580,426	\$877,841	\$900,033	\$922,225	\$944,417	\$966,609	\$988,801	\$1,010,993
	1							

Figure B-3 Natomas Basin HCP Operations & Maintenance Costs

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The state of the second	Total	35	36	37	38	39	40	41
	1994-2045	2030	2031	2032	2033	2034	2035	
			· · · · · · · · · · · · · · · · · · ·			2004	2035	2036
Rice Lands		* *			•			•
Not Farmable/Uplands		10%	10%	10%	10%	10%	10%	100
Set-Aside/Fallow		9%	9%	9%	9%	9%	9%	109 99
Leased for Other Crops	1	30%	30%	30%	30%	30%	30%	30%
Leased Rice Base Land		51%	51%	51%	51%	51%	51%	51%
Rice Lands	-3					100	31,70	317
Not Farmable/Uplands		.					•	
Set-Aside/Fallow		\$598	\$614	\$630	\$646	\$656	\$656	\$656
Leased for Other Crops	1	538.6	552.9	567.3	581.6	590.7	590.7	590.7
Leased Rice Base Land		1,817.7	1,866.1	1,914.5	1,962.9	1,993.5	1,993.5	1,993.5
Total Rice Lands		3,029.5	3,110.2	3,190.9	3,271.6	3,322.5	3,322.5	3,322.5
् के इंस् स्ट्रिंग		5,984.2	6,143.6	6,303.0	6,462.4	6,563.0	6,563.0	6,563.0
Rice Lands							•	
Not Farmable/Uplands	\$1,448,643	\$43,062	\$44,208	\$45.355	\$40.500	0.177.000		•
Set-Aside/Fallow	\$1,484,964	\$44,141	\$45,317	\$46,492	\$46,502	\$47,226	\$47,226	\$47,226
Leased for Other Crops	\$4,400,253	\$130,799	\$134,283	\$137,766	\$47,668	\$48,410	\$48,410	\$48,410
Leased Rice Base Land	\$7,333,756	\$217,999	\$223,805	\$229,611	\$141,250	\$143,449	\$143,449	\$143,449
Subtotal Rice	\$14,667,616	\$436,001	\$447,613	•	\$235,416	\$239,082	\$239,082	\$239,082
ର ୮. ୮୬୫ ନୁମି ଅନ୍ତଶ୍ୟ ଅବସ୍ଥା	7.1,007,010	4450,001	4447,013	\$ 459,224	\$470,836	\$ 478,167	\$478,167	\$478,167
Marsh	\$8,415,537	\$248,255	\$254,868	\$261,482	#000 ooo		A	
Other	\$0	\$0	\$0	\$0	\$268,096	\$272,271	\$272,271	\$272,271
Hunting	\$5,347,273	\$148,930	\$152.896	\$156,863	\$0 \$160.830	\$0	\$0	. \$0
Administration	\$8,150,000	\$200,000	\$200,000	\$200,000	\$160,830 \$200,000	\$163,334	\$163,334	\$163,334
		120,000	4200,000	Ψ200,000	\$200,000	\$200,000	\$100,000	\$100,000
Total O & M Costs	\$36,580,426	\$1,033,185	\$1,055,377	\$1,077,569	\$1,099,761	\$1,113,771	\$1,013,771	\$1,013,771
nflated O & M Costs	\$36,580,426	\$1,033,185	\$1,055,377	\$1,077,569	\$1,099,761	\$1,113,771	\$1,013,771	\$1,013,771

Figure B-3 Natomas Basin HCP Operations & Maintenance Costs

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	Total	42	43	44	45	> 46	47
ominer.	1994-2045	2037	2038 -	2039	2040	2041	2042
Rice Lands		V			. *		
Not Farmable/Uplands		10%	10%	10%	10%	10%	10%
Set-Aside/Fallow		9%	9%	9%	9%	. 9%	9%
Leased for Other Crops		30%	30%	30%	30%	30%	30%
Leased Rice Base Land	-	51%	51%	51%	51%	51%	51%
Rice Lands						****	*
Not Farmable/Uplands		\$656	\$656	\$656	\$656	\$656	\$656
Set-Aside/Fallow		590.7	590.7	590.7	590.7	590.7	590.7
Leased for Other Crops		1,993.5	1,993.5	1,993.5	1,993.5	1,993.5	1,993.5
Leased Rice Base Land		3,322.5	3,322.5	3,322.5	3,322.5	3,322.5	3,322.5
Total Rice Lands		6,563.0	6,563.0	6,563.0	6,563.0	6,563.0	6,563.0
Rice Lands							.
Not Farmable/Uplands	\$1,448,643	\$47,226	\$47,226	\$47,226	\$47,226	\$47,226	\$47,226
Set-Aside/Fallow	\$1,484,964	\$48,410	\$48,410	\$48,410	\$48,410	\$48,410	\$48,410
Leased for Other Crops	\$4,400,253	\$143,449	\$143,449	\$143,449	\$143,449	\$143,449	\$143,449
Leased Rice Base Land	\$7,333,756	\$239,082	\$239,082	\$239,082	\$239,082	\$239,082	\$239,082
Subtotal Rice	\$14,667,616	\$478,167	\$478,167	\$ 478,167	\$478,167	\$478,167	\$478,167
Marsh	\$8,415,537	\$272,271	\$272,271	\$272,271	\$272,271	\$272,271	\$272,271
Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hunting	\$5,347,273	\$163,334	\$163,334	\$163,334	\$163,334	\$163,334	\$163,334
Administration	\$8,150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Total O & M Costs	\$36,580,426	\$1,013,771	\$1,013,771	\$1,013,771	\$1,013,771	\$1,013,771	\$1,013,771
inflated O & M Costs	\$36,580,426	\$1,013,771	\$1,013,771	· \$1,013,771	\$1,013,771	\$1,013,771	\$1,013,771

Page 8 of 8

Figure B-3 Natomas Basin HCP Operations & Maintenance Costs

Constant 1995\$

	Total	48	49	50	
The Charles of the Charles	1994-2045	2043	2044	2045	
Rice Lands					
েম Not Farm able/Uplands		10%	10%	10%	
Set-Aside/Fallow		9%	9%	9%	
Leased for Other Crops		30%	30%	30%	
Leased Rice Base Land	·	51%	51%	51%	
Rice Lands					
Not Farmable/Uplands		. \$656	\$656	\$656	
Set-Aside/Fallow	1 1	590.7	590.7	590.7	
Leased for Other Crops	*.	1,993.5	1,993.5	1,993,5	
Leased Rice Base Land		3,322.5	3,322.5	3,322.5	
া Total Rice Lands		6,563.0	6,563.0	6,563.0	
Rice Lands			•		
Not Farmable/Uplands	\$1,448,643	\$47,226	\$47,226	\$47,226	
Set-Aside/Fallow	\$1,484,964	\$48,410	\$48,410	\$48,410	
Leased for Other Crops	\$4,400,253	\$143,449	\$143,449	\$143,449	
Leased Rice Base Land	\$7,333,756	\$239,082	\$239,082	\$239,082	
Subtotal Rice	\$14,667,616	\$478,167	\$478,167	\$478,167	
Marsh	\$8,415,537	\$272,271	\$272,271	\$272,271	
Other	\$0	\$0	\$0	φ2/2,2/1 \$0	
Hunting ""	\$5,347,273	\$163.334	\$163,334	\$163,334	
Administration	\$8,150,000	\$100,000	\$100,000	\$100,000	
Total O & M Costs	\$36,580,426	\$1,013,771	\$1,013,771	\$1,013,771	
nflated O & M Costs	\$36,580,426	\$ 1,013,771	\$1,013,771	\$1 ,013,771	

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Figure B-4 Natomas Basin HCP Operating Revenues

Constant 1995\$

5 .M. 04 40 40 40 50 50 50 50 50 50 50 50 50 50 50 50 50	Total 1994-2045	1994	0 1995	1 1996	2 1997	3 1998	1999	5 2000	6 2001
10.5. C. & p. C.			1000			1000	:000	2000	2001
	·				•				
Rice Lands Not Farmable/Uplands		00/		100/	400/	400/	4004	400/	400
Set-Aside/Fallow	÷,	0% 0%	0% 0%	10% 9%	10% 9%	10% 9%	10% 9%	10% 9%	10%
Leased for Other Crops	* .	0%	0%	30%	30%	9% 30%	9% 30%	9% 30%	9%
Leased for Other Crops	r	0% 0%		30% 51%	51%				30%
Leased Files Dase Land		0%	0%	51%	51%	51%	51%	51%	51%
Rice Land Acreage									
Not Farmable/Uplands		0.0	0.0	40.0	40.0	40.0	20.0	32.6	52.8
Set-Aside/Fallow		0.0	0,0	36.0	36.0	36.0	18.0	29.3	47.5
Leased for Other Crops		0.0	0,0	121.5	121.5	121.5	60.8	99.0	160.3
Leased Rice Base Land		0.0	0.0	202.5	202.5	202.5	101.3	165.0	267.1
## Subtotal		0.0	0.0	400.0	400.0	400.0	200.0	326.0	527.6
Rice Lands									
Other Crop Land Lease	\$5,317,509	\$0	\$0	\$10,631	\$10,631	\$10,631	\$5,316	\$8,664	\$14,023
Rice Base Land Lease	\$17,835,422	\$0 \$0	\$0	\$35,438	\$35,438	\$35,438	\$17,719	\$28,881	\$14,023 \$46,743
Subtotal Rice	\$23,152,931	\$0	\$ 0	\$46,069	\$46,069	\$46,069	\$23.034	•	
Mat Particials	\$23,152,831	\$ U	ψU	\$40,009	\$40,009	\$40,009	\$23,034	\$37,546	\$60,765
Admin/O &M Mitigation Fees									
Base Fee	\$2,625,004	\$0	\$0	\$0	\$54,449	\$54,449	\$54,449	\$54,449	\$60,483
Maximum Fee Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Admin/O & M Fees	\$2,625,004	\$0	\$0	\$0	\$54,449	\$54,449	\$54,449	\$54,449	\$60,483
Fred States			•		•				
Hunting @ and a second	\$19,880,396	\$0	\$0	\$55,520	\$55,520	\$55,520	\$55,520	\$88,172	\$112,658
· (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	1								
Total Operating Revenues - 1995\$	\$45,658,331	\$0	\$0	\$101,589	\$156,038	\$156,038	\$133,003	\$180,167	\$233,906
Inflated Of ling Revenues	\$45,658,331	\$0	\$0	\$101	\$156,038	\$156,038	\$133,003	\$180,167	\$2′ 16

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Figure B-4 Natomas Basin HCP Operating Revenues

ing comment of the contract of

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Constant 1995\$

Total 994-2045	7 2002 10% 9% 30% 51%	8 2003 10% 9% 30% 51%	9 2004 10% 9%	10 2005 10% 9%	11 2006 10% 9%	12 2007	13 2008 10%
994-2045	10% 30%	10% 9% 30%	10% 9%	10%	10%	10%	
	30%	9% 30%	9%				10%
	30%	9% 30%	9%				10%
	30%	9% 30%	9%				10%
	30%	30%		9%	9%		
	_					9% *	9%
	51%	51%	30%	30%	30%	30%	30%
			51%	51%	51%	51%	51%
1							
1							
							182.8
	65.6						164.5
.	221.5	282.7	344.0				555.1
	369.2	471.2	573.3	658.6			925.2
	729.2	930.8	1,132.4	1,301.0	1,476.5	1,652.1	1,827.6
1	1 -		•				
	1 4 -						٠,
\$5,317,509	\$19,381	\$24,740	\$30,098	\$34,578	\$39,243	\$43,909	\$48,575
\$17,835,422	\$64,604	\$82,465	\$100,327	\$115,259	\$130,811	\$146,363	\$161,916
1	\$83.985	\$107.205	\$130,424	\$149,836	\$170,054	\$190,272	\$210,490
	, ,		, ,	•	•		
\$2,625,004	\$60,483	\$60,483	\$60,483	\$60,483	\$70,219	\$70,219	\$70,219
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,625,004	\$60,483	\$60,483	\$60,483	\$60,483	\$70,219	\$70,219	\$70,219
			*				
\$19,880,396	\$137,143	\$161,629	\$186,114	\$210,599	\$204,880	\$229,246	\$253,612
	1.0						
\$45,658,331	\$281,611	\$329,316	\$377,021	\$420,918	\$4 45,153	\$489,737	\$534,321
\$45,658,331	\$281,611	\$329,316	\$377,021	\$420,918	\$445,153	\$489,737	\$534,321
•	\$5,317,509 \$17,835,422 \$23,152,931 \$2,625,004 \$0 \$2,625,004 \$19,880,396 \$45,658,331	\$5,317,509 \$19,381 \$17,835,422 \$23,152,931 \$2,625,004 \$0 \$2,625,004 \$0 \$2,625,004 \$0 \$19,880,396 \$137,143 \$45,658,331 \$281,611	\$5.6 83.8 221.5 282.7 369.2 471.2 729.2 930.8 \$19,381 \$24,740 \$17,835,422 \$64,604 \$82,465 \$23,152,931 \$83,985 \$107,205 \$2,625,004 \$60,483 \$0 \$0 \$2,625,004 \$60,483 \$60,483 \$19,880,396 \$137,143 \$161,629 \$45,658,331 \$281,611 \$329,316	\$5.6 83.8 101.9 221.5 282.7 344.0 369.2 471.2 573.3 729.2 930.8 1,132.4 \$5,317,509 \$19,381 \$24,740 \$30,098 \$17,835,422 \$64,604 \$82,465 \$100,327 \$23,152,931 \$83,985 \$107,205 \$130,424 \$2,625,004 \$60,483 \$60,483 \$60,483 \$0 \$0 \$0 \$0 \$2,625,004 \$60,483 \$60,483 \$60,483 \$19,880,396 \$137,143 \$161,629 \$186,114 \$45,658,331 \$281,611 \$329,316 \$377,021	65.6 83.8 101.9 117.1 221.5 282.7 344.0 395.2 369.2 471.2 573.3 658.6 729.2 930.8 1,132.4 1,301.0 \$5,317,509 \$19,381 \$24,740 \$30,098 \$34,578 \$17,835,422 \$64,604 \$82,465 \$100,327 \$115,259 \$23,152,931 \$83,985 \$107,205 \$130,424 \$149,836 \$2,625,004 \$60,483 \$60,483 \$60,483 \$60,483 \$60,483 \$60,483 \$60,483 \$60,483 \$60,483 \$10,825,004 \$60,483 \$60,4	65.6 83.8 101.9 117.1 132.9 221.5 282.7 344.0 395.2 448.5 369.2 471.2 573.3 658.6 747.5 729.2 930.8 1,132.4 1,301.0 1,476.5 \$\$5,317,509 \$19,381 \$24,740 \$30,098 \$34,578 \$39,243 \$17,835,422 \$64,604 \$82,465 \$100,327 \$115,259 \$130,811 \$23,152,931 \$83,985 \$107,205 \$130,424 \$149,836 \$170,054 \$\$\$2,625,004 \$60,483 \$60,483 \$60,483 \$60,483 \$70,219 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$10,80 \$10,	65.6 83.8 101.9 117.1 132.9 148.7 221.5 282.7 344.0 395.2 448.5 501.8 369.2 471.2 573.3 658.6 747.5 836.4 729.2 930.8 1,132.4 1,301.0 1,476.5 1,652.1 \$5,317,509 \$19,381 \$24,740 \$30,098 \$34,578 \$39,243 \$43,909 \$17,835,422 \$64,604 \$82,465 \$100,327 \$115,259 \$130,811 \$146,363 \$23,152,931 \$83,985 \$107,205 \$130,424 \$149,836 \$170,054 \$190,272 \$2,625,004 \$60,483 \$60,483 \$60,483 \$60,483 \$70,219 \$70,219 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$2,625,004 \$60,483 \$60,483 \$60,483 \$60,483 \$70,219 \$70,219 \$19,880,396 \$137,143 \$161,629 \$186,114 \$210,599 \$204,880 \$229,246 \$45,658,331 \$281,611 \$329,316 \$377,021 \$420,918 \$445,153 \$489,737

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Constant 1995\$

nament the								
	Total	14	15	16	17	18	19	20
correct of the control	1994-2045	2009	2010	2011	2012	2013	2014	2015
Rice Lands	· , . ,	*		•	•			
Not Farmable/Uplands	· .	10%	10%	10%	10%	10%	10%	10%
Set-Aside/Fallow		9%	9%	9%	9%	9%	9%	9%
Leased for Other Crops		30%	30%	15%	30%	30%	30%	30%
Leased Rice Base Land	. # ·	<i>∞</i> 51%	51%	51%	51%	51%	51%	51%
WAR WILL THE								1.
Rice Land Acreage	· .							
Not Farmable/Uplands		200.3	217,9	246.2	274.5	302.8	331.1	359.4
Set-Aside/Fallow		180.3	196.1	221.6	247.0	272.5	298.0	323.4
Leased for Other Crops	,	608.5	661.8	369.3	833.7	919.6	1,005.6	1,091.6
Leased Rice Base Land	1	1,014.1	1,103.0	1,246.2	1,389.5	1,532.7	1,676.0	1,819.3
Subtotal	,	2,003.2	2,178.7	2,083.2	2,744.7	3,027.6	3,310.6	3,593.6
i kamanan		**			·		·	*
Rice Lands:			•			•		
Other Crop Land Lease	\$5,317,509	\$53,240	\$57,906	\$32,310	\$72,948	\$80,469	\$87,990	\$95,511
Rice Base Land Lease	\$17,835,422	\$177,468	\$193,020	\$218,091	\$243,161	\$268,231	\$293,301	\$318,371
Subtotal Rice	\$23,152,931	\$230,709	\$250,927	\$250,400	\$316,109	\$348,700	\$381,291	\$413,882
" is a page of the	' '	•	,	•	•	•	. ,	•
Admin/O &M Mitigation Fees	1.							
Base Fee	\$2,625,004	\$70,219	\$70,219	\$113,191	\$113,191	\$113,191	\$113,191	\$113,191
Maximum Fee Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Admin/O & M Fees	\$2,625,004	\$70,219	\$70,219	\$113,191	\$113,191	\$113,191	\$113,191	\$113,191
DATE TO A TO								
Hunting 🖅	\$19,880,396	\$277,978	\$251,953	\$284,684	\$317,415	\$350,146	\$382,877	\$415,608
W. P. C.								,
Total Operating Revenues - 1995\$	\$45,658,331	\$578,905	\$573,098	\$648,275	\$746,715	\$812,037	\$877,359	\$942,681
Inflated Operating Revenues	\$45,658,331	\$578,905	\$573,098	\$648,275	\$746,715	\$812,037	\$877,359	\$942,681

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Constant 1995\$

	Total	21	22	23	24	25	26	27
at the market	1994-2045	2016	2017	2018	2019	2020	2021	2022
A STATE OF THE STA								
Rice:Lands							يعدر	
Not Farmable/Uplands		10%	10%	10%	10%	10%	10%	10%
Set-Aside/Fallow	•	9%	9%	9%	9%	9%	9%	9%
Leased for Other Crops		30%	30%	30%	30%	30%	30%	30%
Leased Rice Base Land		51%	51%	51%	51%	51%	51%	51%
ACCUPANT OF THE STATE OF		* * *						
Rice Land Acreage		•						
Not Farmable/Uplands		° ≥ \$375	\$391	\$407	\$423	\$439	· \$455	\$471
Set-Aside/Fallow		337.8	352.1	366.5	380.8	395.1	409.5	423.8
Leased for Other Crops		1,140.0	1,188.4	1,236.8	1,285.2	1,333.6	1,382.0	1,430.4
Leased Rice Base Land		1,899.9	1,980.6	2,061.3	2,142.0	2,222.7	2,303.4	2,384.0
Subtotal	7	3,753.0	3,912.4	4,071.7	4,231.1	4,390.5	4,549.9	4,709.2
Saltatore:		131 19441		•				5 /1
Rice Lands	1	4 4 4.3						r * :
Other Crop Land Lease	\$5,317,509	\$99,747	\$103,983	\$108,219	\$112,455	\$116,691	\$120,927	\$125,162
Rice Base Land Lease	\$17,835,422	\$332,490	\$346,610	\$360,730	\$374,849	\$388,969	\$403,088	\$417,208
Subtotal Rice	\$23,152,931	\$432,237	\$450,593	\$468,948	\$487,304	\$505,660	\$524,015	\$542,371
Contains Action .	.]							
Admin/O&M Mitigation Fees								
Base Fee	\$2,625,004	\$63,750	\$63,750	\$63,750	\$63,750	\$63,750	\$63,750	\$63,750
Maximum Fee Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Admin/O & M Fees	\$2,625,004	\$ 63,750	\$63,750	\$63,750	\$63,750	\$ 63,750	\$63,750	\$63,750
Hunting	\$19,880,396	\$347,234	\$361,982	\$376,729	\$391,477	\$406,224	\$420,972	\$435,719
ornority of Mills		• •		• •	•	,	• • • • • •	, <u>.</u> - ,
Total Operating Revenues - 1995\$	\$45,658,331	\$843,222	\$876,325	\$909,428	\$942,531	\$975,634	\$1,008,737	\$1,041,840
Inflated Operating Revenues	\$45,658,331	\$843,222	\$876,325	\$909,428	\$942,531	\$975,634	\$1,008,737	\$1,041,840

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Constant 1995\$

起りむー機 48	Total	28	29	30	31	32	33	34
4.40	1994-2045	2023	2024	2025	2026	2027	2028	2029
			,		•	•		
Rice Lands								
Not Farmable/Uplands	1	10%	10%	10%	10%	10%	10%	10%
Set-Aside/Fallow		. , 9%	9%	9%	9%	9%	9%	9%
Leased for Other Crops		30%	30%	30%	30%	30%	30%	30%
Leased Rice Base Land	e ·	51%	51%	51%	51%	51%	51%	51%
Additional base he.	ľ						•	
Rice Land Acreage	1							
Not Farmable/Uplands		\$487	\$503	\$519	\$535	\$551	\$567	\$582
Set-Aside/Fallow		438.2	452.5	466.9	481.2	495.5	509.9	524.2
Leased for Other Crops	٠. ا	1,478.8	1,527.2	1,575.7	1,624.1	1,672.5	1,720.9	1,769.3
Leased Rice Base Land	l	2,464.7	2,545.4	2,626.1	2,706.8	2,787.5	2,868.1	2,948,8
Subtotal		4,868.6	5,028.0	5,187.4	5,346.7	5,506.1	5,665.5	5,824.9
Rice Lands		* * · · ·						i 40%
	6F 047 500	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	A 455.554	*			, **	
Other Crop Land Lease	\$5,317,509	\$129,398	\$133,634	\$137,870	\$142,106	\$146,342	\$150,578	\$154,814
Rice Base Land Lease	\$17,835,422	\$431,328	\$445,447	\$459,567	\$473,687	\$487,806	\$501,926	\$516,046
Subtotal Rice	\$23,152,931	\$ 560,726	\$579,082	\$597,437	\$615,793	\$ 634,148	\$652,504	\$670,859
संबंधित रे क्षाप्रवेद सन्दर्भका होत				•				
Admin/O &M Mitigation Fees Base Fee	\$0.50F.004	600 700	000 750	***	*	*		
Maximum Fee Adjustment	\$2,625,004	\$63,750	\$63,750	\$63,750	\$63,750	\$63,750	\$63,750	\$63,750
Total Admin/O & M Fees	\$0	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0
(**** * * * * * * * * * * * * * * * *	\$2,625,004	\$63,750	\$ 63,750	\$ 63,750	\$63,750	\$63,750	\$63,750	\$63,750
had burner in the control	040.000.000	0450 405	*****	A				• •
Hunting (1973)	\$19,880,396	\$450,467	\$465,214	\$479,962	\$494,709	\$509,457	\$524,204	\$538,952
Total Operating Revenues - 1995\$	645 650 004		M4 400 04 5	A. 444 445	** • • • • • • • • • • • • • • • • • •	4		
iorai obararii di Havatinas - 1982\$	\$45,658,331	\$1,074,943	\$1,108,046	\$1,141,149	\$1,174,252	\$1,207,355	\$1,240,458	\$1,273,561
inflated Operating Revenues	\$45,658,331	\$1,074,943	\$1,108,046	\$1,141,149	\$1,174,252	\$1,207,355	\$1,240,458	\$1,273,561
- Marian de la companya de la compan	<u> </u>					,		

Figure B-4 Natomas Basin HCP Operating Revenues

Constant 1995\$

Operating Revenues	Total	35 2030	36 2031	37 2032	38 2033	39 2034	2035	41 2036
Not Farmable/Uplands Set-Aside/Fallow Leased for Other Crops Leased Rice Base Land Rice Land Acreage	1994-2045	10% 9% 30% 51%	10% 9% 30% 51% \$614	10% 9% 30% 51% \$630	10% 9% 30% 51% \$646 581.6	10% 9% 30% 51% \$656 590.7	10% 9% 30% 51% \$656 590.7	10% 9% 30% 51% \$656 590.7
Not Farmable/Uplands Set-Aside/Fallow Leased for Other Crops Leased Rice Base Land Subtotal		538.6 1,817.7 3,029.5 5,984.2	552.9 1,866.1 3,110.2 6,143.6	567.3 1,914.5 3,190.9 6,303.0	1,962.9 3,271.6 6,462.4	1,993.5 3,322.5 6,563.0	1,993.5 3,322.5 6,563.0	1,993.5 3,322.5 6,563.0
Rice Lands Other Crop Land Lease Rice Base Land Lease Subtotal Rice	\$5,317,509 \$17,835,422 \$23,152,931	\$159,050 \$530,165 \$689,215	\$163,285 \$544,285 \$707,570	\$167,521 \$558,404 \$725,926	\$171,757 \$572,524 \$744,281	\$174,431 \$581,438 \$7 55,869	\$174,431 \$581,438 \$755,869	\$174,431 \$581,438 \$755,86 9
Admin/O &M Mitigation Fees Base Fee	\$2,625,004 \$0	\$63,750 \$0	\$63,750 \$0	\$63,750 \$0	\$63,750 \$0	\$40,245 \$0 \$40,245	\$0 \$0 \$0	\$0 \$0 \$0
Meximum Fee Adjustment Total Admin/O & M Fees Hunting	\$2,625,004 \$19,880,396	\$63,750 \$553,699	\$63,750 \$568,447	\$63,750 \$583,194	\$63,750 \$597,942	\$607,252	\$607,252	\$607,252
	\$45,658,331	\$1,306,664	\$1,339,767	\$1,372,870	\$1,405,973	\$1,403,366	\$1,363,121	\$1,363,12
Total Operating Revenues - 1995\$ Inflated Operating Revenues	\$45,658,331	\$1,306,664	\$1,339,767	\$1,372,870	\$1,405,973	\$1,403,366	\$1,363,121	\$1,363,12

Figure B-4 Natomas Basin HCP Operating Revenues

	Total 1994-2045	42	43	11	" 		Constant 1995
	1994-2045	2037	2038	44 2039	45 2040	46 2041	47
Rice Lands Not Farmable/Uplands Set-Aside/Fallow Leased for Other Crops Leased Rice Base Land Rice Land Acreage Not Farmable/Uplands		10% 9% 30% 51%	10% 9% 30% 51%	10% 9% 30% 51%		10% 9% 30% 51%	2042 10% 9% 30% 51%
Set-Aside/Fallow Leased for Other Crops Leased Rice Base Land Subtotal Rice Lands Other Crop Land Lease		\$656 590.7 1,993.5 3,322.5 6,563.0	\$656 590.7 1,993.5 3,322.5 6,563. 0	\$656 590.7 1,993.5 3,322.5 6,563.0	\$656 590.7 1,993.5 3,322.5 6,563.0	\$656 590.7 1,993.5 3,322.5 6,563.0	\$656 590.7 1,993.5 3,322.5 6,563.0
Hice Base Land Lease Subtotal Rice Hick roug beautiful Amin'O &M Mitigation Fees Base Fee	\$5,317,509 \$17,835,422 \$23,152,931	\$174,431 \$581,438 \$755,869	\$174,431 \$581,438 \$755,869	\$174,431 \$581,438 \$755,869	\$174,431 \$581,438 \$755,86 9	\$174,431 \$581,438 \$7 55, 869	\$174,431 \$581,438 \$755,869
Maximum Fee Adjustment Total Admin/O & M Fees unting	\$2,625,004 \$0 \$2,625,004 \$19,880,396	\$0 \$0 \$0 \$607,252	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0
tal Operating Revenues - 1995\$	4 •	4007,402	\$607,252	\$607,252	\$607,252	\$607,252	\$607,252
iated Operating Revenues	\$45,658,331 \$45,658,331	\$1,363,121	\$1,363,121	, \$1,363,121	\$1,363,12 <u>1</u>	\$1,363,121	
The same and	410,000,33 1	\$1,363,121	\$1,363,1;	\$1,363,121	\$1,363,121	\$1,363,121	\$1,363,121



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Constant 1995\$

	<u> </u>			
entre fig. to	Total 1994-2045	48 2043	49 2044	50 2045
age Arises				
e Lands	. :			1
Not Farmable/Uplands		10%	10%	10%
Set-Aside/Fallow _eased for Other Crops	1	9% 30%	9% 30%	9%

Rice 30% Leased Rice Base Land 51% 51% 51% Rice Land Acreage Not Farmable/Uplands \$656 \$656 \$656 Set-Aside/Fallow 590.7 590.7 590.7 Leased for Other Crops 1,993.5 1,993.5 1,993.5 Leased Rice Base Land 3,322.5 3,322.5 3,322.5 Subtotal 6,563.0 6,563.0 6,563.0 ينهيء لاتكن Rice Lands Other Crop Land Lease \$5,317,509 \$174,431 \$174,431 \$174,431 Rice Base Land Lease \$17,835,422 \$581,438 \$581,438 \$581,438 Subtotal Rice \$23,152,931 \$755,869 \$755,869 \$755,869 Admin/O &M Mitigation Fees Base Fee \$2,625,004 \$0 \$0 \$0 Maximum Fee Adjustment \$0 \$0 \$0 \$0 Total Admin/O & M Fees \$2,625,004 \$0 \$0 \$0 Hunting : \$19,880,396 \$607,252 \$607,252 \$607,252

Figure B-5 Natomas Basin HCP Cash Flow - 1995\$

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1995\$

	Total	-0	0		1	2	3	4	5	6
	1994-2045	1994	199	5	1996	1997	1998	1999	2000	2001
AND ACQUISITION			1.p							
Beginning Balance		\$0.		\$0	\$0	,\$0	\$664,277	\$1,337,854	\$2,020,861	\$58,098
Less Land Acquisition Costs	(\$32,003,213)	\$0		\$0	(\$1,463,000)	\$0	\$0	\$0	(\$1,192,332)	(\$737,386
Plus LA Fee Revenue Plus Other Revenues/(Reimb.) (1) Plus Interest Earnings (2)	\$32,025,049 \$0 \$116,688	\$0 \$0 \$0	, * . 8'	\$0 \$0 \$0	\$0 \$1,463,000 \$0	\$664,277 \$0 \$0	\$664,277 \$0 \$9,300	\$664,277 \$0 \$18,730	\$664,277 (\$1,463,000) \$28,292	\$737,890 \$0 \$813
Inding Balance	\$138,525	\$0 		\$0	\$0	\$664,277	\$1,337,854	\$2,020,861	\$58,098	\$59,416
RESTORATION & ENHANCEMENTS		•								
Beginning Balance		\$0		\$0	\$0	\$0	\$50,819	\$102,349	\$114,601	\$14,489
Less Restoration/Enh. Costs	(\$2,437,259)	, \$0		\$0	(\$98,000)	\$0	\$0	(\$40,000)	(\$119,869)	(\$49,394
Plus RE Fee Revenue Plus Other Revenues/(Reimb.) (1) Plus Interest Earnings (2)	\$2,450,004 \$0 \$13,640	\$0 \$0 \$0		\$0 \$0 \$0	\$0 \$98,000 \$0	\$50,819 \$0 \$0	\$50,819 \$0 \$711	\$50,819 \$0 \$1,433	\$50,819 (\$32,667) \$1,604	\$56,451 \$0 \$203
Ending Balance	\$26,385	\$0		\$0	\$0	\$50,819	\$102,349	\$114,601	\$14,489	\$21,748
OPERATIONS & MAINTENANCE									4-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
Beginning ince		\$0		\$0		\$7,512	\$69,578	\$132,513	\$162,969	\$171 53
O & M Costs	(\$36,580,426)	\$0		\$0	()77)	(\$94,077)	(\$94,077)	(\$104,403)	(\$197,264)	(\$26P

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1995\$

製作学の機能はいい。								1330
	Total	7	8	9	10	11	12	13
ESTAGE RECORDS	1994-2045	2002	2003	2004	2005	2006	2007	2008
LAND ACQUISITION				. •				
Beginning Balance	27	\$59,416	\$60,752	\$62,106	\$63,480	\$64,872	\$66,366	\$67,88
Less Land Acquisition Costs	(\$32,003,213)	(\$737,386)	(\$737,386)	(\$737,386)	(\$737,386)	(\$856,085)	(\$856,085)	(\$856,08
Plus LA Fee Revenue Plus Other Revenues/(Reimb.) (1) Plus Interest Earnings (2)	\$32,025,049 \$0 \$116,688	\$737,890 \$0 \$832	\$737,890 \$0 \$851	\$737,890 \$0 \$869	\$737,890 \$0 \$889	\$856,670 \$0 \$908	\$856,670 \$0 \$929	\$856,670 \$0 \$950
Ending Balance	\$138,525	\$60,752	\$62,106	\$63,480	\$64,872	\$66,366	\$67,880	\$69,415
14.67% 66%。" 1							·	
RESTORATION & ENHANCEMENTS								
Beginning Balance		\$21,748	\$29,109	\$36,573	\$44,141	\$16,125	\$17,521	\$18,936
Less Restoration/Enh. Costs	(\$2,437,259)	(\$49,394)	(\$49,394)	(\$49,394)	(\$52,418)	(\$64,367)	(\$64,367)	(\$64,367
Plus RE Fee Revenue Plus Other Revenues/(Reimb.) (1)	\$2,450,004 \$0	\$56,451 \$0	\$56,451 \$0	\$56,451 \$0	\$56,451 (\$32,667)	\$65,538 \$0	\$65,538 \$0	\$65,538 \$0
Plus Interest Earnings (2)	\$13,640	\$304	\$408	\$512	\$618	\$226	\$2 4 5	\$265
Ending Balance	\$26,385	\$29,109	\$36,573	\$44,141	\$16,125	\$17,521	\$18,936	\$20,372
OPERATIONS & MAINTENANCE		τ,						-
Beginning Balance		\$115,594	\$59,009	\$28,063	\$23,114	\$39,011	\$60,828	\$100,906
Less O.& M Costs	(\$36,580,426)	(\$339,814)	(\$361,089)	(\$382,363)	(\$405,345)	(\$423,882)	(\$450,510)	(\$477,139)
Plus Admin/O&M Fee Revenue Plus Rice Revenues Plus Hunting Revenues	\$2,625,004 \$23,152,931 \$19,880,396	\$60,483 \$83,985 \$137,143	\$60,483 \$107,205 \$161,629	\$60,483 \$130,4 2 4 \$186,114	\$60,483 \$149,836 \$210,599	\$70,219 \$170,054 \$204,880	\$70,219 \$190,272 \$229,246	\$70,219 \$210,490
Plus Other Revenues (1)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$253,612 \$0
Plus Interest Earnings (2) Subtotal Revenues	\$2,171,696 \$47,830,027	\$1,618 \$283,229	\$826 \$330,142	\$393 \$377,414	\$324 \$421,242	\$546 \$445,69 9	\$852 \$490,588	\$1,413 \$535,734
Inding Balance (3)	\$11,249,601	\$59,009	\$28,063	\$23,114	\$39,011	\$60,828	\$100,906	\$159,501

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1995\$

Figure B-5 Natomas Basin HCP Cash Flow - 1995\$

Casu Llow - 19999	* *;	•					- 10	20
Character and Control of the Control	Total	14	15	16	17	18	19	2015
and the second second	1994-2045	2009	2010	2011	2012	2013	2014	2010
grant part of the			14	•				
LAND ACQUISITION								
200 10 10 10 10 10 10 10 10 10 10 10 10 1		<u>.</u> 1 .	4	A70 FF1	\$74,510	\$76,497	\$78,511	\$80,553
Beginning Balance		\$69,415	\$70,972	\$72,551	\$14,510	ψ, ο, το τ	4 4	
'	(000 000 010)	(\$856,085)	(\$856,085)	(\$1,379,987)	(\$1,379,987)	(\$1,379,987)	(\$1,379,987)	(\$1,379,987)
Less Land Acquisition Costs	(\$32,003,213)	(4000,000)	• • • • •	***	•	\$1,380,931	\$1,380,931	\$1,380,931
Plus LA Fee Revenue	\$32,025,049	\$856,670	\$856,670	\$1,380,931	\$1,380,931 \$0	\$0	\$0	\$0
Plus Other Revenues/(Reimb.) (1)	\$0	\$0	\$0	\$0 \$1.016	\$1,043	\$1,071	\$1,099	\$1,128
Plus Interest Earnings (2)	\$116,688	\$972	\$994	\$1,016	\$1,040	\$1,011	* • • •	÷ .
· 《秦氏》。《秦氏》。	2/22 525	670.070	\$72,551	\$74,510	\$76,497	\$78,511	\$80,553	\$82,624
Ending Balance	\$138,525	\$70,972	\$12,551	ψ14,010	4.1,			
·····································								i
· ' '								
RESTORATION & ENHANCEMENTS		*\					(60.704)	(\$1,817)
Beginning Balance		\$20,372	\$21,827	(\$9,363)	(\$7,477)	(\$5,590)	(\$3,704)	(Φ1,017)
Daniel And Dalance		*	•			(6400.750)	(\$103,758)	(\$103,758)
Less Restoration/Enh. Costs	(\$2,437,259)	(\$64,367)	(\$64,367)	(\$103,758)	(\$103,758)	(\$103,758)	(\$103,130)	(\$100,100,
Fees Hesionanon Frances		N .	ACE EQO	\$105.645	\$105,645	\$105,645	\$105,645	\$105,645
Plus RE Fee Revenue	\$2,450,004	\$65,538 \$0	\$65,538 (\$32,667)	\$105,045	\$0	\$0	\$0	\$0
Plus Other Revenues/(Reimb.) (1)	\$0	\$285	\$306	\$0	\$0	\$0	\$0	\$0
Plus Interest Earnings (2)	\$13,640	φ203	Ψ000	•				¢c0
Fuding Polongo	\$26,385	\$21,827	(\$9,363)	(\$7,477)	(\$5,590)	(\$3,704)	(\$1,817)	\$69
Ending Balance	4							
To the garden angles of							1	
OPERATIONS & MAINTENANCE								
क्रियंत्र विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास विकास		****	#000 074	\$296,444	\$390,863	\$543,880	\$723,198	\$929,184
Beginning Balance		\$159,501	\$236,871	\$280, 444	ψ030,000	40.0,000	· 16	1.0
Mar La I por		(0.00.707)	(#E40 040\	(\$558,006)	(\$599,170)	(\$640,334)	(\$681,497)	(\$722,661
Less O & M Costs	(\$36,580,426)	(\$503,767)	(\$516,842)	(4556,000)	(4000,110)	(**************************************	•	
	00.005.004	\$70,219	\$70,219	\$113,191	\$113,191	\$113,191	\$113,191	\$113,191
Plus Admin/O&M Fee Revenue	\$2,625,004 \$23,152,931	\$230,709	\$250,927	\$250,400	\$316,109	\$348,700	\$381,291	\$413,882 \$415,608
Plus Rice Revenues	\$19,880,396	\$277,978	\$251,953	\$284,684	\$317,415	\$350,146	\$382,877	
Plus Hunting Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$(
Plus Other Revenues (1)	1 ' 1	\$2,233	\$3,316	\$4,150	\$5,472	\$7,614	\$10,125	\$13,009
Plus Interest Earnings (2)	\$2,171,696 \$47,830,027	\$581,138	\$576,415	\$652,425	\$752,187	\$819,651	\$887,484	\$955,69
Subto ' Revenues	441,000,021	4,	•		4-44-655	A700 400	\$929,184	\$1,162,21
Ending Rauses (3)	\$11,249,601	\$236,871	\$296,444	.390,863	\$543,880	\$723,198	\$9Z8,104	Ψ1,102,20
Ending Balance (3)			/			to fund th	e initial acquisition ar	"cash_flor

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1995\$

			*			•	,	
The second secon	Total	21	22	23	24	25	26	27
200 April 1950 April 1	1994-2045	2016	2017	2018	2019	2020	2021	2022
LAND ACQUISITION		•		•				
Beginning Balance	• •	\$82,624	\$84,312	\$86,024	\$87,759	\$89,519	\$91,304	\$93,113
Less Land Acquisition Costs	(\$32,003,213)	(\$777,219)	(\$777,219)	(\$777,219)	(\$777,219)	(\$777,219)	(\$777,219)	(\$777,219)
Plus Other Revenue Plus Other Revenues/(Reimb.) (1) Plus Interest Earnings (2)	\$32,025,049 \$0 \$116,688	\$777,750 \$0 \$1,157	\$777,750 \$0 \$1,180	\$777,750 \$0 \$1,204	\$777,750 \$0 \$1,229	\$777,750 \$0 \$1,253	\$777,750 \$0 \$1,278	\$777,750 \$0 \$1,304
Ending Balance	\$138,525	\$84,312	\$86,024	\$87,759	\$89,519	\$91,304	\$93,113	\$94,948
	\$100,020	404,012	400,024	φ01,135	405,515	491,304	\$93,113	\$94,940
,中國舞蹈的發展時間以及			•				•	
RESTORATION & ENHANCEMENTS								
Beginning Balance		\$69	\$1,133	\$2,211	\$3,304	\$4,413	\$5,537	\$6,677
Less Restoration/Enh. Costs	(\$2,437,259)	(\$58,438)	(\$58,438)	(\$58,438)	(\$58,438)	(\$58,438)	(\$58,438)	(\$58,438)
Plus RE Fee Revenue Plus Other Revenues/(Reimb.) (1)	\$2,450,004 \$0	\$59,500 \$0	\$59,500 \$0	\$59,500 \$0	\$59,500 \$0	\$59,500 \$0	\$59,500 \$0	\$59,500 \$0
Plus interest Earnings (2)	\$13,640	\$1	\$16	\$31	\$46	\$62	\$78	\$93
Ending Balance	\$26,385	\$1,133	\$2,211	\$3,304	\$4,413	\$5,537	\$6,677	\$7,833
OPERATIONS & MAINTENANCE								
Beginning Balance		\$1,162,213	\$1,299,210	\$1,449,035	\$1,611,869	\$1,787,894	\$1,977,294	\$2,180,256
Less O.& M.Costs	(\$36,580,426)	(\$722,496)	(\$744,688)	(\$766,880)	(\$789,072)	(\$811,264)	(\$833,456)	(\$855,648)
Plus Admin/O&M Fee Revenue Plus Rice Revenues Plus Hunting Revenues Plus Other Revenues (1)	\$2,625,004 \$23,152,931 \$19,880,396 \$0	\$63,750 \$432,237 \$347,234 \$0	\$63,750 \$450,593 \$361,982 \$0	\$63,750 \$468, 9 48 \$376,729	\$63,750 \$487,304 \$391,477	\$63,750 \$505,660 \$406,224	\$63,750 \$524,015 \$420,972	\$63,750 \$542,371 \$435,719
Plus Interest Earnings (2) Subtotal Revenues	\$2,171,696 \$47,830,027	\$16,271 \$859,493	\$18,189 \$894,514	\$0 \$20,286 \$929,714	\$0 \$22,566 \$965,097	\$0 \$25,031 \$1,000,664	\$0 \$27,682 \$1,036,419	\$0 \$30,524 \$1,072,363
Ending Balance (3)	\$11,249,601	\$1,299,210	\$1,449,035	\$1,611,869	\$1,787,894	\$1,977,294	\$2,180,256	\$2,396,971

^{(1) &}quot;Other" revenues represents upfront funding from Federal, State or development fees to fund the initial acquisition and restoration/enhancement costs. The projects that funded this upfront cost would receive a fee credit for this portion. If Federal or State money were available, more land could be funded in advance of development.

the Interest is named at 2% annually on 70% of the prior year's anding balance.

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, it //ww , i'	Total 1994-2045	28 2023	29 2024	30 2025	31 2026	32 2027	33 2028	34 2029
2 M St. 102.								
LAND ACQUISITION				•				
Beginning Balance		\$94,948	\$96,809	\$98,695	. \$100,608	\$102,548	\$104,515	\$106,509
Less Land Acquisition Costs	(\$32,003,213)	(\$777,219)	(\$777,219)	(\$777,219)	(\$777,219)	(\$777,219)	(\$777,219)	(\$777,219)
Plus LA Fee Revenue	\$32,025,049	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750	\$777,750
Plus Other Revenues/(Reimb.) (1)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plus Interest Earnings (2)	\$116,688	\$1,329	\$1,355	\$1,382	\$1,409	\$1,436	\$1,463	\$1,491
Ending Balance	\$138,525	\$96,809	\$98,695	\$100,608	\$102,548	\$104,515	\$106,509	\$108,532
en i hillering Mandan et al. E			, the same of	***************************************	*· · · · · · ·			i sati
RESTORATION & ENHANCEMENTS	٧;							,
Beginning Balance	ļ	\$7,833	\$9,006	\$10,194	\$11,399	\$12,622	\$13,861	\$15,117
Less Restoration/Enh. Costs	(\$2,437,259)	(\$58,438)	(\$58,438)	(\$58,438)	(\$58,438)	(\$58,438)	(\$58,438)	(\$58,438)
Plus RE Fee Revenue	\$2,450,004	\$59,500	\$59,500	\$59,500 \$ 0	\$59,500 \$0	\$59,500 \$0	\$59,500 \$0	\$59,500 \$0
Plus Other Revenues/(Reimb.) (1) Plus Interest Earnings (2)	\$0 \$13,640	\$0 \$110	\$0 \$126	\$143	\$1 6 0	\$17 <u>7</u>	\$194	\$212
Ending Balance	\$26,385	\$9,006	\$10,194	\$11,399	\$12,622	\$13,861	\$15,117	\$16,391
OPERATIONS & MAINTENANCE								
Beginning Balance		\$2,396,971	\$2,627,631	\$2,872,430	\$3,131,569	\$3,405,245	\$3,693,665	\$3,997,033
Less O & M Costs	(\$36,580,426)	(\$877,841)	(\$900,033)	(\$922,225)	(\$944,417)	(\$966,609)	(\$988,801)	(\$1,010,993)
Plus Admin/O&M Fee Revenue	\$2,625,004	\$63,750	\$63,750	\$63,750	\$63,750	\$63,750	\$63,750	\$63,750
Plus Rice Revenues	\$23,152,931	\$560,726	\$579,082 \$465,014	\$597,437 \$470,063	\$615,793 \$404,700	\$634,148 \$509,457	\$652,504 \$524,204	\$670,859 \$538,952
Plus Hunting Revenues Plus Other Revenues (1)	\$19,880,396 \$0	\$450,467 \$0	\$465,214 \$0	\$479,962 \$0	\$494,709 \$0	\$509,457 \$0	\$524,204 \$0	ან,ყნებ \$0
Plus Interest Earnings (2)	\$2,171,696	\$33,558	\$36,78 7	\$40,214	\$43,842	\$47,673	\$51,711	\$55,958
Subtotal Revenues	\$47,830,027	\$1,108,500	\$1,144,833	\$1,181,363	\$1,218,094	\$1,255,028	\$1,292,169	\$1,329,519
Ending Balence (3)	\$11,249,601	\$2,627,631	\$2,872,430	\$ 3,131,569	\$3,405,245	\$3,693,665	\$3,997,033	\$4,315,559
	1							

^{(1) &}quot;Other" revenues represents upfront funding from Federal, State or development fees to fund the initial acquisition and restoration/enhancement costs. The partial funded this upfront cost would receive a fee credit for this portion. If

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1995\$

py · · · · · · · · · · · · · · · · · · ·	** 1						40	41
	Total	35	36	37	38	39		2036
(环境行物)特别为	1994-2045	2030	2031	2032	2033	2034	2035	2000
Company Williams								
LAND ACQUISITION		· a			•	·		.*
Beginning Balance		\$108,532	\$110,582	\$112,662	\$114,770	\$116,908	\$118,880	\$120,545
Less Land Acquisition Costs	(\$32,003,213)	(\$777,219)	(\$777,219)	(\$777,219)	(\$777,219)	(\$490,654)	. \$0	\$0
Plus LA Fee Revenue	\$32,025,049	\$777,750	\$777,750	\$777,750	\$777,750	\$490,989	\$0	\$0
* Plus Other Revenues/(Reimb.) (1)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plus Interest Earnings (2)	\$116,688	\$1,519	\$1,548	\$1,577	\$1,607	\$1,637	\$1,664	\$1,688
Ending Balance	\$138,525	\$110,582	\$112,662	\$114,770	\$116,908	\$118,880	\$120,545	\$122,232
· Sept. Electrical control of the co		**						•
RESTORATION & ENHANCEMENTS		•						· · · · · · · · · · · · · · · · · · ·
Beginning Balance		\$16,391	\$17,683	\$18,993	\$20,322	\$21,669	\$22,643	\$22,960
Less Restoration/Enh. Costs	(\$2,437,259)	(\$58,438)	(\$58,438)	(\$58,438)	(\$58,438)	(\$36,891)	\$0	\$0
Plus RE Fee Revenue Plus Other Revenues/(Reimb.) (1)	\$2,450,004 \$0	\$59,500 \$0	\$59,500 \$0	\$59,500 \$0	\$59,500 \$0	\$37,562 \$0	\$0 \$0	\$0 \$0
Plus Interest Earnings (2)	\$13,640	\$229	\$248	\$266	\$285	\$303	\$317	\$321
Ending Balance	\$26,385	\$17,683	\$18,993	\$20,322	\$21,669	\$22,643	\$22,960	\$23,281
Server & Server								
OPERATIONS & MAINTENANCE		•						
Beginning Balance		\$4,315,559	\$4,649,456	\$4,998,938	\$5,364,223	\$5,745,534	\$6,115,566	\$6,550,533
Less O.& M Costs	(\$36,580,426)	(\$1,033,185)	(\$1,055,377)	(\$1,077,569)	(\$1,099,761)	(\$1,113,771)	(\$1,013,771)	(\$1,013,771)
Plus Admin/O&M Fee Revenue	\$2,625,004	\$63,750	\$63,750	\$63,750	\$63,750	\$40,245	\$0	\$0 \$755,869
Plus Rice Revenues	\$23,152,931	\$689,215	\$707,570	\$725,926	\$744,281 \$507,042	\$755,869 \$607,252	\$755,869 \$607,252	\$607,252
Plus Hunting Revenues	\$19,880,396	\$553,699	\$568,447	\$583,194	\$597,942 \$0	\$607,252 \$0	\$007,232	\$0 \$0
Plus Other Revenues (1)	\$0	\$0	\$0 \$000	\$0 \$69,985	\$75,099	\$80,437	\$85,618	\$91,707
Plus Interest Earnings (2) Subtotal Revenues	\$2,171,696 \$47,830,027	\$60,418 \$1,367,082	\$65,092 \$1,404,859	\$1,442,855	\$1,481,072	\$1,483,803	\$1,448,739	\$1,454,828
Ending Balance (3)	\$11,249,601	\$4,649,456	\$4,998,938	\$5,364,223	\$5,745,534	\$6,115,566	\$6,550,533	\$6,991,590

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and the grant of the same		* &		•			1995
Der Granden von	Total	42	43	44	45	46	47
在1000年 基本有效。 自由1000年 基本有效。	1994-2045	2037	2038	2039	2040	2041	2042
LAND ACQUISITION		,					
Beginning Balance		\$122,232	\$123,944	\$125,679	\$127,438	\$129,223	\$131,03
Less Land Acquisition Costs	(\$32,003,213)	\$0	\$0	\$0			
Plus LA Fee Revenue	\$32,025,049	A.1	•	, -	\$0.	\$0	\$
Plus Other Revenues/(Reimb) (1)	\$0	\$0 \$0	\$0	\$0,	\$0	\$0	\$
Plus Interest Earnings (2)	\$116,688	\$0 \$1,711	\$0 \$1,735	\$0	\$0	\$0	· \$
	77.0,000	Ψι,τιι	φ1,735	\$1,760	\$1,784	\$1,809	\$1,83
Ending Balance	\$138,525	\$ 123,944	\$125,679	\$127,438	\$129,223	\$131,032	\$132,866
The Care of the second				** * * ****	5 5300 - 5 5550 Seminara	•	•
RESTORATION & ENHANCEMENTS						•	•
Beginning Balance		\$23,281	\$23,607	\$23,938	\$24,273	\$24,613	\$24,957
Less Restoration/Enh. Costs	(\$2,437,259)	a+ v \$0	\$0	\$0	\$0	\$0	\$0
Plus RE Fee Revenue	\$2,450,004	\$0	\$0			• • •	. ФО
Plus Other Revenues/(Reimb.) (1)	\$0.	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0
Plus Interest Earnings (2)	\$13,640	\$326	\$331	\$335	\$0 \$340	\$0 \$345	- \$0
inding Balance	\$26,385	\$23,607	• .	·	•	Ф 343	\$349
	420,303	\$23,007	\$23,938	\$24,273	\$24,613	\$24,957	\$25,307
OPERATIONS & MAINTENANCE			· · · · · · · · · · · · · · · · · · ·				
Plug Branest		, ‡					
Beginning Balance		\$6,991,590	\$7,438,822	\$7,892,315	\$8,352,157	\$8,818,437	\$9,291,245
Less O & M Costs	(\$36,580,426)	(\$1,013,771)	(\$1,013,771)	(\$1,013,771)	(\$1,013,771)	(\$1,013,771)	(\$1,013,771)
Plus Admin/O&M Fee Revenue	\$2,625,004	\$0	\$0	\$0	•		
Plus Rice Revenues	\$23,152,931	\$755,869	\$755,869	• \$755.869	\$0 \$755,869	\$0 \$755,869	\$0,
Plus Hunting Revenues Plus Other Revenues (1)	\$19,880,396	\$607,252	\$607,252	\$607,252	\$607,252	\$607,252	\$755,869 \$607,252
Plus Interest Earnings (2)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Revenues	\$2,171,696 \$47,830,027	\$97,882 \$1,461,003	\$104,144 \$1,467,264	\$110,492 \$1,473,613	\$116,930 \$1,480,051	\$123,458 \$1,486,579	\$130,077 \$1,493,19 8
nding Bs → (3)	\$11,249,601	\$7,438,822	\$7,892,	\$8,352,157	\$8,818,437	\$9,291,245	\$9,770,6.

(1) "Other" revenues represents uptroi

from Federal State or development toos to fun-

Figure B-5 Natomas Basin HCP Cash Flow - 1995\$

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· · · · · · · · · · · · · · · · · · ·	Total	. 48	49	50
	1994-2045	2043	2044	2045
LAND ACQUISITION				
Beginning Balance		\$132,866	\$134,726	\$136,612
Less Land Acquisition Costs	(\$32,003,213)	\$0	\$0	\$0
Plus LA Fee Revenue	\$32,025,049	\$0	\$0	\$0
Plus Other Revenues/(Reimb.) (1)	\$0	\$0	\$0	\$0
Plus Interest Earnings (2)	\$116,688	\$1,860	\$1,886	\$1,913
Ending Balance	\$138,525	\$134,726	\$136,612	\$138,525
				· · · · · · · · · · · · · · · · · · ·
RESTORATION & ENHANCEMENTS				
Beginning Balance		\$25,307	\$25,661	\$26,020
Less Restoration/Enh. Costs	(\$2,437,259)	\$0	\$0	\$0
Plus RE Fee Revenue	\$2,450,004	\$0	\$0	\$0
Plus Other Revenues/(Reimb.) (1)	\$0	\$0	. \$0	\$0
Plus Interest Earnings (2)	\$13,640	\$354	\$359	\$364
Ending Balance	\$26,385	\$25,661	\$26,020	\$26,385
OPERATIONS & MAINTENANCE				
Beginning Balance		\$9,770,672	\$10,256,810	\$10,749,755
Less O & M Costs	(\$36,580,426)	(\$1,013,771)	(\$1,013,771)	(\$1,013,771
Plus Admin/O&M Fee Revenue	\$2,625,004	\$0	\$0	\$0
Plus Rice Revenues	\$23,152,931	\$755,869	\$755,869	• \$755,869
Plus Hunting Revenues	\$19,880,396	\$607,252	\$607,252	\$607,252
Plus Other Revenues (1)	\$0	\$0 \$126.780	\$0 \$142 EDE	\$150.407
Plus Interest Earnings (2) Subtotal Revenues	\$2,171,696 \$47,830,027	\$136,789 \$1,499,910	\$143,595 \$1,506,716	\$150,497 \$1,513,617
Ending Balance (3)	\$11,249,601	\$10,256,810	\$10,749,755	\$11,249,601

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