Table 2
Distribution of Acres by Number of Species PCA1s on Acquisition Lands

	Number of Species PCA1s Covered							
Acquisition Name	**0**	**1**	**2**	**3**	**4**	**5**	**>5**	**Grand Total**
A-7 RANCH	3,554	2,981	63	315			-	6,913
AKERS/DAILEY						1	38	39
ALPHER						5	72	77
ARIVACA OPEN SPACE				28	32	40	22	122
BAKER					5	107	45	157
BAXTER			26				-	26
BEE		120					-	120
BELVEDERE	72						-	72
BLOOM	159						-	159
BRADLEY							39	39
BUCKELEW	500						-	500
CANOA RANCH	38	391	3,284	848	322	0	-	4,883
CARPENTER RANCH	359						-	359
COYOTE MOUNTAINS		0	839				-	839
DAVIDSON/BAR V RANC		96	1,067	15	71	408	110	1,766
DOUCETTE			1	20			-	22
HOLSCLAW	9						-	9
ISLAND	4	6	901	2	47	33	1	993
JACOBS TRUST	78						-	78
JOSHUA TREE II				30	10		-	40
KING 98 RANCH	144	896					-	1,040
L & F INTERNATIONAL	56						-	56
LEFKOVITZ/LAKIA	114						-	114
LORDS RANCH	95	90	299				-	484
LOS MORTEROS			116	54			-	170
MADERA HIGHLANDS				185	69	119	-	373
MARANA					99		-	99
MARANA MOUND	42	346	164				-	552
MARLEY	103	421	17,396	7,714			-	25,634
MCKENZIE				16	1,482	59	103	1,661
MORDKA		40					-	40
ORACH			4				-	4
ORACLE RIDGE	608	1,007	399				-	2,015
PERPER/ROLLINS	624						-	624
POTEET						83	-	83
ROSEMONT RANCH	528	1,161	1,042				-	2,732
ROWLEY/RANCHO SECO			5,532	3,806	239	561	-	10,137
RUDDICK				15			-	15
SOPORI	0	0	1,186	1,761	380	956	-	4,283
SOUTH CORRIDOR	42						-	42
STATE TRUST AT ARTH		15					-	15
SWEETWATER	702						-	702
TURNER							31	31
WALDEN		6	119	189	116	17	-	447
WHITAKER	64						-	64
Grand Total	7,895	7,576	32,438	14,997	2,872	2,388	460	68,627

Table 3
Distribution of Acres Acquired by Land Cover Category (1999-2005)

Acquisition Name	agriculture	Cordgrass Series	Cottonwood-Willow Series	Creosote-Bursage Series	Creosote bush-Tarbush Series	Encinal (Oak) Series	Mesquite Series	Mixed Broadleaf Series	Mixed Evergreen Sclerophyll Series	Mixed Grass-Scrub Series	Mixed Scrub Series	Oak-Pine Series	Paloverde-Mixed Cacti Series	urban	water	XX OUTSIDE XX	Grand Total
A-7 RANCH	184		10	64				8	22	5,126	131		1,192			176	6,913
AKERS/DAILEY										5			34				39
ALPHER										77							77
ARIVACA OPEN SPACE										106	16						122
BAKER										44			113				157
BAXTER													26				26
BEE				2				0					118				120
BELVEDERE											9		63				72
BLOOM											4		154				159
BRADLEY										0			38				39
BUCKELEW				2									498				500
CANOA RANCH		108								2,980	776		38	981			4,883
CARPENTER RANCH																359	359
COYOTE MOUNTAINS				584						123			131				839
DAVIDSON/BAR V RANC	5		21		455					1,273					13		1,766
DOUCETTE		5											16				22
HOLSCLAW											2		8				9
ISLAND						0				987	1	0	5				993
JACOBS TRUST											4		75	0			78
JOSHUA TREE II											0		40				40
KING 98 RANCH										48	57		935				1,040
L & F INTERNATIONAL											9		47				56
LEFKOVITZ/LAKIA											3		111				114
LORDS RANCH				287									196				484
LOS MORTEROS				48				68					54				170
MADERA HIGHLANDS										147	51		175				373
MARANA											36		63				99
MARANA MOUND				227							39		286				552
MARLEY						129				24,890	390		139	85		1	25,634
MCKENZIE					706					116			838				1,661
MORDKA													40				40
ORACH				0									3				4
ORACLE RIDGE						1,406				491			118			0	2,015
PERPER/ROLLINS											18		605	0			624
POTEET										83							83
ROSEMONT RANCH						111				2,051		570					2,732
ROWLEY/RANCHO SECO	292									9,474	371						10,137
RUDDICK										14	0						15
SOPORI	367									3,904						13	4,283
SOUTH CORRIDOR													42	0			42
STATE TRUST AT ARTH													15				15
SWEETWATER											36		665	1			702
TURNER							0						31				31
WALDEN					248					199							447
WHITAKER													64				64
Grand Total	847	113	31	1,215	1,409	1,646	0	75	22	52,140	1,954	571	6,976	1,067	13	548	68,627

Table 4
Distribution of Acres by Diversity of High/Medium Habitat for PVSs on Acquisition Lands

	Number of Species Areas of High/Medium Potential Habitat Covered					
Acquisition Name	**<3**	**3**	**4**	**5**	**>5**	**Grand Total**
AKERS/DAILEY		6	0	2	30	39
ALPHER			32	30	15	77
ARIVACA OPEN SPACE	44	74	4	1	-	122
BAKER		36	76	26	19	157
BAXTER	6	20			-	26
BEE	120				-	120
BELVEDERE	47	23	2		-	72
BLOOM	68	90			-	159
BRADLEY		17	1	1	19	39
BUCKELEW	478	22			-	500
CANOA RANCH	2,612	1,441	534	283	14	4,883
CARPENTER RANCH	359				-	359
COYOTE MOUNTAINS	384	441	15		-	839
DAVIDSON/BAR V RANC	713	461	345	151	96	1,766
DOUCETTE	22				-	22
HOLSCLAW	1	8			-	9
ISLAND	712	201	79	2	-	993
JACOBS TRUST	78	1			-	78
JOSHUA TREE II	1	39			-	40
KING 98 RANCH	759	259	23		-	1,040
L & F INTERNATIONAL	26	31			-	56
LEFKOVITZ/LAKIA	85	29			-	114
LORDS RANCH	369	60	55		-	484
LOS MORTEROS	120	50			-	170
MADERA HIGHLANDS	229	130	4	5	5	373
MARANA	75	24			-	99
MARANA MOUND	327	225			-	552
MARLEY	10,561	9,931	4,793	349	-	25,634
MCKENZIE	594	553	484	30	-	1,661
MORDKA	40				-	40
ORACH	3	0			-	4
ORACLE RIDGE	899	410	422	228	55	2,015
PERPER/ROLLINS	237	129	85	151	22	624
POTEET		8	51	24	0	83
ROSEMONT RANCH	1,735	690	134	146	27	2,732
ROWLEY/RANCHO SECO	6,016	3,359	759	4	-	10,137
RUDDICK	14	1			-	15
SOPORI	2,437	1,446	400		-	4,283
SOUTH CORRIDOR	38	4			-	42
STATE TRUST AT ARTH	11	4			-	15
SWEETWATER	326	377			-	702
TURNER		8	11	12	-	31
WALDEN	289	95	52	11	-	447
WHITAKER	58	5			-	64
Grand Total	34,888	22,544	9,127	1,727	341	68,627

Table 5
Ratio of CLS Categories in Acquisition Land to Proportion of Permit Area

	Biological Core	Multiple Use	Inportant Riparian Area	CLS Total	Outside CLS	Outside County
Acquisitions	43%	46%	10%	99%	0%	1%
Permit Area	28%	37%	3%	69%	31%	-
Ratio	1.52	1.25	3.81	1.43	0.01	-

Table 6
Ratio of Acres by Number of Species PCA1s in Acquisition Land to Proportion of Permit

	Number of Species PCA1s Covered					
	0	1	2	3	4	5
Acquisitions	12%	11%	47%	22%	4%	3%
Permit Area	27%	27%	25%	10%	6%	2%
Ratio	0.42	0.41	1.86	2.12	0.65	2.00

Table 8
Ratio of Acres by Diversity of High/Medium Habitat for PVSs in Acquisition Land to Proportion of Permit Area

	Number of Species Areas of High/Medium Potential Habitat Covered					
	<3	3	4	5	>5	Total
Acquisitions	51%	33%	13%	3%	0%	100%
Permit Area	56%	27%	10%	4%	1%	100%
Ratio	0.90	1.20	1.29	0.67	0.35	

Table 7

Ratio of Land Cover Classes in Acquisition Land to Proportion of Permit Area

Land Cover Class	Acquisition	Permit Area	Ratio
agriculture	1.23%	5.30%	0.23
Cattail Series	0.00%	0.04%	-
Cordgrass Series	0.16%	0.27%	0.62
Cottonwood-Willow Series	0.04%	0.09%	0.48
Creosote-Bursage Series	1.77%	3.43%	0.52
Creosotebush-Tarbush Series	2.05%	0.52%	3.91
Douglas-fir-Mixed Conifer Series	0.00%	0.00%	-
Encinal (Oak) Series	2.40%	1.03%	2.33
Manzanita Series	0.00%	0.01%	-
Mesquite Series	0.00%	0.12%	0.00
Mixed Broadleaf Series	0.11%	0.13%	0.84
Mixed Evergreen Sclerophyll Series	0.03%	0.14%	0.23
Mixed Grass-Scrub Series	75.98%	36.63%	2.07
Mixed Scrub Series	2.85%	3.26%	0.87
Oak-Pine Series	0.83%	0.27%	3.04
Paloverde-Mixed Cacti Series	10.16%	34.26%	0.30
Pine Series	0.00%	0.16%	-
Pinyon-Juniper Series	0.00%	0.00%	-
Sacaton-Scrub Series	0.00%	0.00%	-
Saltbush Series	0.00%	0.00%	-
Shrub-Scrub Disclimax Series	0.00%	0.02%	-
unclass- ified	0.00%	0.02%	-
urban	1.55%	14.27%	0.11
water	0.02%	0.01%	1.56
Outside Pima County	0.80%		
Total	100%	100%	1.00

Table 2.13
Decision Process for Species Coverage for Pima County MSCP

Step	Decision	If	Go to Step
1	PCA identified	yes	2
		no	7
2	Proportion of PCA in CLS in Permit Area at projected buildout meets STAT goal	yes	14
		no	3
3	Proportion of PCA in CLS in Permit Area at 20 years meets STAT goal	yes	Provisionally covered
		no	4
4	Proportion of PCA in CLS in Permit Area at 10 years meets STAT goal	yes	Provisionally covered
		no	5
5	Proportion of PCA in CLS in Permit Area currently meets STAT goal	yes	Provisionally covered
		no	Not covered
6	Proportion of PCA countywide in CLS at buildout meets STAT Goal	yes	14
		no	Not covered
7	Species with broad distribution in Pima County	yes	8
		no	13
8	Proportion of high/medium habitat in CLS in Permit Area at projected buildout meets STAT goal	yes	14
		no	9
9	Proportion of high/medium habitat in CLS in Permit Area at 20 years meets STAT goal	yes	Provisionally covered
		no	10
10	Proportion of high/medium habitat in CLS in Permit Area at 10 years meets STAT goal	yes	Provisionally covered
		no	
11	Proportion of high/medium habitat in CLS in Permit Area currently meets STAT goal	yes	Provisionally covered
		no	Not covered
12	Proportion of high/medium habitat countywide in CLS at buildout meets STAT Goal	yes	14
		no	Not Covered
13	Entire limited distribution within Permit Area in public ownership, conservation easement, controlled by land use regulations	yes	15
		no	Not covered
14	Projected conserved areas within Permit Area in public ownership, conservation easement, controlled by land use regulations	yes	15
		no	Not covered
15	Projected conserved areas within Permit Area in areas covered by monitoring/management plan	yes	covered
		no	Provisionally covered

Table 2.14
Species Proposed for Coverage under Terms of PCMSCP based on Conservation of PCA within CLS in Permit Area

		Permit Area					Planning Study Area			
Common Name	STAT Conservation Goal	Total Existing Acres	Total Existing Acres in CLS	Total Acres in CLS at Buildout	CLS Conservation	Permit Area as % of Total	Total Existing Acres	Total Existing Acres in CLS	Total Acres in CLS at Buildout	CLS Conservation
Abert's towhee	75%	22,827	21,605	20,974	92%	42%	60,146	56,402	54,349	90%
Bell's vireo	75%	19,284	34,214	18,572	96%	38%	51,025	65,941	50,168	98%
cactus ferruginous pygmy-owl	75%	180,075	169,793	153,772	85%	17%	1,119,362	1,084,729	1,045,899	93%
Chiricahua leopard frog	95%	50,498	50,498	50,476	100%	13%	397,934	397,934	397,912	100%
desert box turtle	75%	24,735	22,142	20,974	85%	10%	265,449	256,096	253,550	96%
desert sucker	95%	1,337	1,337	1,337	100%	15%	8,655	8,655	8,655	100%
Gentry indigo bush	100%	22,720	22,720	22,720	100%	17%	132,722	132,722	132,722	100%
giant spotted whiptail	75%	30,054	25,061	24,337	81%	45%	82,877	71,405	66,789	81%
Gila chub	100%	2,449	2,449	2,449	100%	13%	19,062	19,061	19,061	100%
Huachuca water umbel	75%	7,087	6,384	5,976	84%	30%	28,643	25,301	23,773	83%
longfin dace	75%	6,215	6,160	6,010	97%	34%	18,655	18,592	18,415	99%
lowland leopard frog	75%	113,321	107,719	95,194	84%	26%	477,535	460,052	439,636	92%
Merriam's mouse	75%	20,405	19,543	17,146	84%	22%	102,928	98,614	92,592	90%
organ pipe shovel-nosed snake	95%	300	300	300	100%	0%	170,040	170,040	170,040	100%
pale Townsend's big-eared bat	75%	79,332	78,098	73,952	93%	28%	297,193	294,189	284,066	96%
rufous-winged sparrow	75%	167,410	154,811	127,704	76%	22%	841,016	816,477	753,741	90%
Sonora sucker	95%	1,413	1,413	1,413	100%	1%	178,642	178,642	178,642	100%
Swainson's hawk	75%	180,377	170,032	153,292	85%	21%	907,560	887,825	844,979	93%
western red bat	75%	92,558	88,685	88,503	96%	18%	507,167	501,960	502,557	99%
western yellow-billed cuckoo	75%	18,905	18,782	17,579	93%	44%	45,881	45,336	42,665	93%

Table 2.16
Species Proposed for Provisional Coverage under Terms of PCMSCP based on Conservation of PCA within CLS in Permit Area

		Permit Area					Planning Study Area			
Common Name	STAT Conserva-tion Goal	Total Existing Acres	Total Existing Acres in CLS	Total Acres in CLS at Buildout	CLS Conser-vation	Permit Area as % of Total	Total Existing Acres	Total Existing Acres in CLS	Total Acres in CLS at Buildout	CLS Conser-vation
California leaf-nosed bat	75%	37,982	31,330	27,522	72%	7%	528,610	519,153	514,458	97%
red-backed whiptail	90%	17,922	14,811	14,811	83%	5%	370,633	359,879	359,883	97%
Nichol Turk's head cactus	90%	2,109	1,698	1,698	81%	22%	9,861	9,438	9,438	96%
Pima pineapple cactus	90%	7,792	7,281	5,070	65%	11%	79,552	78,636	73,879	93%
Tucson shovel-nosed snake	75%	85,166	60,722	39,077	46%	33%	333,537	286,460	254,919	76%
Sonorella ambigua ambigua	100%	4,740	4,436	4,436	94%	4%	109,841	109,468	109,468	100%

Table 2.17
Species Not Proposed for Coverage under Terms of PCMSCP based on Conservation of PCA within CLS in Permit Area

		Permit Area					Planning Study Area			
Common Name	STAT Conserva-tion Goal	Total Existing Acres	Total Existing Acres in CLS	Total Acres in CLS at Buildout	CLS Conser-vation	Permit Area as % of Total	Total Existing Acres	Total Existing Acres in CLS	Total Acres in CLS at Buildout	CLS Conser-vation
needle-spined pineapple cactus	95%	11,718	11,261	8,910	76%	30%	41,80	41,302	39,448	94%
Mexican garter snake	75%	24,079	21,915	16,134	67%	40%	81,23	68,877	59,700	73%
lesser long-nosed bat	95%	250,120	231,380	209,156	84%	18%	1,530,03	1,446,022	1,395,704	91%
Mexican long-tongued bat	100%	122,423	118,107	108,635	89%	43%	301,61	295,336	285,864	95%
burrowing owl	75%	74,742	60,098	55,542	74%	73%	163,01	117,022	102,745	63%
southwestern willow flycatcher	75%	4,270	2,530	2,530	59%	72%	13,11	5,963	5,963	45%
ground snake	75%	10,552	7,317	6,131	58%	81%	40,10	18,428	13,009	32%

(example)

Pima County Multi-Species Conservation Plan
Table X. Species Evaluated for Coverage under the PCMSCP

Common Name *Scientific Name* STATUS	CONSERVATION GOAL CONSERVATION ACHIEVED WITHIN CLS IN PERMIT AREA CONSERVATION ACHIEVED WITHIN CLS IN PLANNING STUDY AREA	GENERAL BASIS FOR ANALYSIS OF SPECIES COVERAGE (e.g., PCA's, H/M Habitat, Known Locations) ACRES / # IN PERMIT AREA	POTENTIALLY IMPACTED / DEVELOPED WITHIN PERMIT AREA @ BUILDOUT (e.g., PCA's, H/M Habitat, Known Locations) PCA Acres High/Medium Acres	PROPOSED; NOT PROPOSED FOR COVERAGE [1] Y/N)
Abert's towhee *Pipilo aberti* G5 S5	75% 92% 90%	PCA's 22,827	≈2,000 PCA acres	Yes
DETAILED RATIONALE FOR INCLUDING / NOT INCLUDING UNDER PERMIT:	STAT conservation goal is met/exceeded for both the Permit Area and the Planning Study Area.			
SPECIAL CONDITIONS:				
MANAGEMENT / MONITORING DIRECTIVES:				

[1] A species will **not** be covered in the PCMSCP if:

- It is not in the permit area, or
- It is not affected by covered activities, or
- The conservation goal is not met, and species conservation cannot be assured through provisions including, but not limited to, ordinances, management direction, acquisition, and restoration, or
- There is insufficient biological information to formulate a conservation strategy

Species **will be** covered in the PCMSCP if:

- Conservation goals are met through the conservation of PCA's, known populations, locations or patches, or
- Species conservation is assured through provisions including, but not limited to, ordinances, management direction, acquisition, and restoration, or
- Impacts to existing and future populations are avoided