Table 5-1. Reserve Acquisition Area Core Conservation Concept Implementation					
All Plan Area					
	Existing Reserves	**RAA**	**All Potential Conservation**	**PFG**	**Total**
In Core/Connector	12,781	57,767	70,548	1,979	72,527
Other	3,309	12,447	15,757	123,800	139,557
Total in Plan Area	16,090	70,214	86,304	125,780	212,084
Valley					
	Existing Reserves	**RAA**	**All Potential Conservation**	**PFG**	**Total**
In Core/Connector	6,820	38,300	45,120	1,272	46,392
Other	3,240	7,690	10,930	45,671	56,601
Sub-Total	10,060	45,990	56,050	4,6943	102,993
Foothills					
	Existing Reserves	**RAA**	**All Potential Conservation**	**PFG**	**Total**
In Core/Connector	5,961	19,466	25,428	708	26,135
Other Conservation areas	69	4,757	4,827	78,129	82,956
Sub-Total	6,031	24,224	30,254	78,837	109,091
Summary: RAA Map overlap with Core/Connector Map					
Percentage of Core/Connector included in RAA or EXR		**97%**			
Percentage of RAA plus EXR also in Core/Connector area		**82%**			

Table 5-2 A: Projected Land Cover Affected by Potential Future Growth for the Valley (in acres)

	Baseline	Buildout	Impacts by Decade				
Community Type			**2020**	**2030**	**2040**	**2050**	**2060**
Grassland/Vernal Pool Complex	57,460	23,659	2,861	6,730	12,004	16,981	20,174
Other Wetland	1,478	47	6	12	21	29	36
Riverine and Riparian							
Valley Foothill Riparian	2,377	136	23	46	73	95	108
Other Stream Zone	16,445	1,540	25	55	95	132	159
Oak Woodland							
Valley Oak Woodland	355	31	6	12	20	26	29
Other Oak Woodland	1,771	1,201	302	492	630	673	678
Agriculture	15,278	5,204	305	894	1,973	3,149	4,117
All Natural/Semi-natural	87,832	30,279	3,502	8,186	14,721	20,954	25,141
Urban/Suburban	15,157	2,123	363	731	1,151	1,490	1,677
All Valley Plan Area	**102,988**	**32,403**	**3,864**	**8,917**	**15,872**	**22,444**	**26,818**

Table 5-2 B: Land Cover Impact by Growth Scenario for the Valley

	Baseline	Buildout	Percentage of Baseline	High Growth (Permit 2060)		Low Growth	
Community Type				**Area (ac)**	**Percentage of Baseline**	**Area (ac)**	**Percentage of Baseline**
Grassland/Vernal Pool Complex	57,460	23,659	41	20,174	35	10,087	18
Other Wetland	1,478	47	3	36	2	18	1
Riverine and Riparian							
Valley Foothill Riparian	2,377	136	6	108	5	54	2
Other Stream Zone	16,445	1,540	9	159	1	79	0
Oak Woodland							
Valley Oak Woodland	355	31	9	29	8	14	4
Other Oak Woodland	1,771	1,201	68	678	38	339	19
Agriculture	15,278	5,204	34	4,117	27	2,058	13
All Natural/Semi-natural	**87,832**	**30,279**	**34**	**25,141**	**29**	**12,570**	**14**
Urban/Suburban	15,157	2,123	14	1,677	11	839	6
All Valley Plan Area	**102,988**	**32,403**	**31**	**26,818**	**26**	**13,409**	**13**

Low growth scenario reflects 50% of 2060 permit term growth projections.

Table 5-2 C: Mitigation Area Required for Valley								
			Mitigate Land Conversion (acres)				Permit Term 2060	Low Growth
Community	**Ratio**	**Buildout**	**2020**	**2030**	**2040**	**2050**		
Grassland/Vernal Pool Complex Total	135%	31,940	3,862	9,085	16,205	22,925	**27,235**	**13,617**
Other Wetland	200%	95	12	24	42	58	**71**	**36**
Riverine and Riparian								
Valley Foothill Riparian	200%	271	45	92	146	191	**216**	**108**
Other Stream Zone	200%	3,080	50	110	190	265	**317**	**159**
Oak Woodland								
Valley Oak Woodland	300%	94	17	37	60	78	**87**	**43**
Other Oak Woodland	135%	1,622	408	664	851	908	**915**	**457**
Agriculture	135%	7,026	411	1,207	2,664	4,251	**5,558**	**2,779**
Total Land Area	-	**44,127**	**4,805**	**11,218**	**20,158**	**28,677**	**34,399**	**17,200**

Table 5-2 D: Valley Mitigation Land Required Compared to Land Available Under PCCP					
		High Growth		Low Growth	
Community Type	**Mitigation Land Available**	**Required Acres**	**Required Percentage Available**	**Required Acres**	**Required Percentage Available**
Grassland/Vernal Pool Complex	25,685	**27,235**	106	**13,617**	53
Other Wetland	787	**71**	9	**36**	5
Riverine and Riparian					
Valley Foothill Riparian	1,864	**216**	12	**108**	6
Other Stream Zone	452	**317**	70	**159**	35
Oak Woodland					
Valley Oak Woodland	301	**87**	29	**43**	14
Other Oak Woodland	256	**915**	358	**457**	179
Agriculture	18,062	**5,558**	31	**2,779**	15
All Natural/Semi-natural	47,407	**34,399**	73	**17,200**	36

Table 5-2 E: Estimated Wetland Impacts (Wetted Area) for Valley

	Wetland Conversion (acres)						
	Baseline	**Buildout**	**2020**	**2030**	**2040**	**2050**	**2060**
Vernal Pool Complex							
High	688	192	21	51	94	135	163
Intermediate	356	146	20	46	81	113	133
Low	116	51	6	14	26	38	45
Vernal Pool Complex Total	1,160	389	47	12	201	287	342
Non-vernal Pool Wetland							
Fresh Emergent Wetland	205	5	0	1	2	3	4
Lacustrine	0	-	-	-	-	-	-
Seasonal Wetland	9	2	0	1	1	1	1
Fresh Emergent Wetland Total	214	7	1	2	3	4	5

Table 5-2 F: Estimated Wetland Mitigation Requirements for Valley

		Wetland Mitigation for Loss (acres)					
	Ratio	**Buildout**	**2020**	**2030**	**2040**	**2050**	**2060**
Vernal Pool Complex Total	225%	875	105	251	453	645	769
Non-vernal Pool Wetland	225%	15	2	4	7	9	11
All Wetland		**890**	**107**	**255**	**459**	**654**	**780**
Vernal Pool Wetted Area							
Preserve	100%	389	47	112	201	287	342
Restore	75%	292	35	84	151	215	256
Subtotal		681	81	195	352	502	598
Other Wetlands							
Preserve	100%	7	1	2	3	4	5
Restore other in-kind	125%	8	1	2	4	5	6
Restore other for vernal pool	50%	194	23	56	101	143	171
Subtotal		203	24	58	104	149	177
Total Wetland Preserved	**-**	**396**	**47**	**113**	**204**	**291**	**347**
Total Wetland Restored	**-**	**494**	**59**	**142**	**255**	**364**	**433**

Table 5-2 G: Estimated Wetland Mitigation Available for Valley

	Acres		Percentage Available for Wetland Mitigation				
	Available	**Buildout**	**2020**	**2030**	**2040**	**2050**	**2060**
Vernal Pool Wetted Area							
Preserve	461	84	10	24	44	62	74
Restore	439	66	8	19	34	49	58
Other Wetlands							
Preserve	117	6	1	1	2	4	4

Restore other in-kind	507	40	5	11	21	29	35

Table 5-2 H: Wetland Net Gain for the Valley

			Wetland Area				
	Available	**Buildout**	**2020**	**2030**	**2040**	**2050**	**2060**
Vernal Pool Area							
Preserve and Restore (acres)	899	681	81	195	352	502	598
Take (acres)	-	389	47	112	201	287	342
Net Gain (acres)	-	292	35	84	151	215	256
Other Wetlands							
Preserve and Restore	624	209	25	60	107	153	182
Take (acres)	-	7	1	2	3	4	5
Net Gain (acres)	-	203	24	58	104	149	177
Total All Wetland Types							
Preserve and Restore	1524	890	107	255	459	654	780
Take (acres)	-	396	47	113	204	291	347
Net Gain (acres)	-	494	59	142	255	364	433

Table 5-3 A: Estimated Impacts from Buildout Under Existing Zoning for Foothills					
	Area (acres)			Impact as a Percentage of Baseline[1]	
	Baseline[1]	Direct Impact	Indirect Impact	Direct	Indirect
Grassland	30,580	3,826	6,331	13	21
Other Wetland	4,775	166	535	3	11
Riverine and Riparian					
Valley Foothill Riparian Wood	3,472	440	788	13	23
Other Stream Zone	-	190	-	-	-
Oak Woodland					
Valley Oak Woodland	249	46	55	19	22
Other Woodland	49,562	5,573	8,737	11	18
All Natural Communities	**88,638**	**10,241**	**16,445**	**12**	**19**
Agriculture	2,228	417	723	19	32
Rural Residential (not natural community)	11,338	1,073	876	9	8
Urban/Suburban	6,673	638	170	10	3
Urban/semi-natural	-	-	-	-	-
All Foothills Plan Area	**108,944**	**12,369**	**18,214**	**11**	**17**
Total direct and indirect impacts			**30,584**		

1. Baseline is the amount of that community-type present at time of Plan development (2009-2011).

Table 5-3 B: Estimated Mitigation Land for Buildout Under Existing Zoning in Foothills.						
	Mitigation Ratio		Mitigation Requirements		Total Mitigation	Percentage of Total Mitigation
	Direct	Indirect	Direct	Indirect		
Grassland	100%	10%	3,826	633	4,459	35
Other Wetland	200%	10%	332	53	385	3
Riverine and Riparian						
Valley Foothill Riparian Wood	200%	10%	880	79	959	8
Other Stream Zone	200%	10%	381	-	381	3
Oak Woodland						
Valley Oak Woodland	300%	10%	139	6	144	1
Other Woodland	100%	10%	5,573	874	6,446	50
All Natural Communities			**11,130**	**1,645**	**12,774**	100
Agriculture	0%	0%	-	-	-	-
Rural Residential (not natural	0%	0%	-	-	-	-

community)						
Urban/Suburban	0%	0%	-	-	-	-
Urban/semi-natural	-	-	-	-	-	-
					All Foothills Plan Area	**12,774**

Table 5-3 C: Estimated Mitigation for Low to Buildout Scenarios			
	Buildout	**Low Buildout**	**High Buildout**
Grassland	4,459	1,784	3,567
Stream System and Riparian	1,340	536	1,072
Wetland	385	154	308
Woodland	6,590	2,636	5,272
All Natural Communities	**12,774**	**5,110**	**10,219**
Note: Buildout is based on existing zoning and excludes Existing Reserves and 10,000 acres of the RAA.			

Table 5-3 D: Acquisition Targets in the Foothills for Natural Communities.

Community Type	**Existing Reserves[1]**	**RAA[2]**	**Conservation Objective as a Percentage of the RAA**	**Conservation Objective (acres)**	**Conservation Total (Existing and RAA)**	**Conservation Total as a Percentage of all North Foothills**
Grassland	289	8,229	20	1,646	1,935	11
Other Wetland	3	907	60	544	547	38
Riverine and Riparian	78	531	60	319	397	17
Oak Woodland	5,628	13,210	60	7,926	13,554	43
Agriculture	29	208	-	-	29	2
Rural Residential	3	880	-	-	3	0
Urban/Suburban	1	140	-	-	1	0
Total	**6,030**	**24,106**		**10,435**	**16,465**	**24**

1. Amount of community type in existing reserves within the Foothills.
2. Amount of community in the Foothills portion of the Reserve Acquisition Area.