Table 11-1: Summary of Annual Monitoring Budgets by Implementation Phase

	Monitoring Budget		
Monitoring Element	**Total Budget, Years 1-5 Set-up and Trials**	**Annual Budget, Years 5-15 Baseline Period**	**Annual Budget, Years 16 - in perpetuity (Long Term Monitoring)**
Landscape Level Management and Monitoring			
Climatic variables	$ 25,000	$ 5,000	$ 5,000
Extreme events	$ 5,000	$ 1,000	$ 1,000
Vegetation community/habitat condition assessment	$ 25,000	$ 5,000	$ 5,000
Land use	$ 10,000	$ 2,000	$ 2,000
Valley Floor Grassland and Vernal Pool Natural Community			
Vegetation monitoring	$ 73,550	$ 55,000	$ 18,360
Invasive species monitoring	$ 7,850	$ 7,850	$ 2,600
Contra Costa goldfield population monitoring		$ 40,000	$ 13,300
Covered vernal pool plant surveys	$ 45,800	$ 25,200	$ 8,400
Delta Green Ground Beetle	$ 15,400	$ 8,700	$ 2,900
Vernal pool crustacean population monitoring	$ 44,000	$ 30,500	$ 10,200
California tiger salamander surveys	$ 24,000	$ 15,000	$ 5,000
California Red-Legged Frog			
California red-legged frog monitoring	$ 30,900	$ 16,900	$ 6,400
Establish New or Augment Existing Breeding Populaitons	$ 7,560	$ 1,500	$ -
Hydrology Monitoring	$ 5,120	$ 3,430	$ 1,140
Callippe Silverspot Butterfly			
Johnny Jump-up Monitoring	$ 32,900	$ 28,700	$ 9,600
Adult Nectar Plants	$ 1,680	$ 1,680	$ 550
Callippe silverspot butterfly population monitoring	$ 18,000	$ 10,600	$ 4,600
Riparian, Stream and Freshwater Marsh Natural Communities			
Hydrology and Water Quality Monitoring	$ 13,000	$ 4,750	$ 1,435
Riparian habitat quality	$ 49,560	$ 15,000	$ 15,000
Invasive species monitoring	$ 34,860	$ 10,780	$ 10,780
Fish Passage Barriers	$ 9,240	$ 840	$ -
Salmonid Water Quality	$ 5,250	$ 2,730	$ 910
Salmonid Surveys	$ 27,000	$ 14,500	$ 4,830
Valley Elderberry Longhorn Beetle Monitoring	$ 4,880	$ 4,050	$ 1,350
Tricolored Habitat Establishment	$ 9,000	$ -	$ -
Tricolored Blackbird Population Monitoring	$ 16,700	$ 16,700	$ 5,565

	Monitoring Budget		
Monitoring Element	**Total Budget, Years 1-5 Set-up and Trials**	**Annual Budget, Years 5-15 Baseline Period**	**Annual Budget, Years 16 - in perpetuity (Long Term Monitoring)**
Giant Garter Snake			
Habitat Monitoring	$ 14,280	$ 3,150	$ 3,150
Populaiton Monitoring	$ -	$ 4,725	$ 2,360
Contigency monitoring	$ 20,000	$ 4,000	$ 4,000
Coastal Marsh			
Water quality monitoring	$ 4,200	$ 12,000	$ 6,000
Invasive species monitoring	$ 6,300	$ 5,000	$ 5,000
Delta Smelt and Longfin Smelt Habitat Monitoring	$ 11,760	$ 3,150	$ 3,150
Swainson's hawk			
Swainson's Hawk Population Assessment	$ 35,000	$ 26,700	$ 9,000
Nest Tree Monitoring	$ 11,250	$ 7,000	$ 2,350
Burrowing Owl			
Burrowing Owl Population Assessment	$ 35,000	$ 26,700	$ 9,000
Burrowing Owl Nest Monitoring	$ 12,180	$ 7,980	$ 2,660
Database Development			
Database Development	$ 45,000		
Database Maintenance	$ 30,000	$ 40,000	$ 30,000
Annual Report Preparation	$ 150,000	$ 75,000	$ 30,000
Directed Studies/Adaptive Management Research	$ 50,000	$ 75,000	$ 85,000
Total	$ 966,220	$ 617,815	$ 327,590
Annualized Cost	$ 193,244	$ 617,815	$ 327,590
Total Cost	$ 12,058,220		
Average Annualized Cost	$ 401,941		

Notes:

1. Set up and trials period budgets represent costs for the 5 year period. Certain Landscape studies such as climatic monitoring are conducted annually while other studies will be conducted once during the initial 5 year period.

2. Baseline Period, Years 5 through 14, all studies are conducted annually.

3. Landscape monitoring of climatic conditions and extreme events are conducted annually. All other studies are conducted once every 5 years.