APPENDIX A

Baseline BMP's for Priority COC and

Related Sources

		Co	ver					Conta	inmen	t							Pr	eventi	on				C	Good H	lousek	ceeping	9	Admin	istrative
Source #	Priority Sources	Store/Conduct material/activity Inside	Cover Activity/material	Use designated areas for activity, clean up or loading	Berm activity area or direct run on	Provide secondary containment	Provide drip plans, etc. to collect leaks/spills	Clean floor mats, etc. indoors	Properly dispose of process or wash water.	Immediately clean up spills with dry methods	Keep animals out of creeks	Wash vehicles and equipment in designated areas	Maintain spill clean up material/equipment readily available.	Properly store and dispose of green waste	Properly store and dispose hazardous material/chemicals	Schedule activity in dry weather	Label containers and maintain up-to- date inventory	Drain fluids from automobile	Provide signage for storm drains, materials storage, etc.	Properly manage pesticide/fertilizer use	Provide vegetation cover	Protect Storm drains	Practice water conservation	Inspect activity/storage area regularly	Clean up regularly with dry methods	Clean trash disposal areas	Train employees	Develop & Implement Spill Prevention Plan	Develop & Implement SWPPP
	Commercial Auto-Related Facilities																												
1	Auto mechanical repair, maintenance, fueling, or cleaning			\checkmark	\checkmark				\checkmark	\checkmark		\checkmark	\checkmark		\checkmark			\checkmark						\checkmark					
4	Equipment mechanical repair, maintenance, fueling, or cleaning		\checkmark	\checkmark	\checkmark				\checkmark			\checkmark	\checkmark		\checkmark		\checkmark							\checkmark	\checkmark				
5	Automobile and other vehicle body repair and painting		\checkmark	\checkmark	\checkmark				\checkmark			\checkmark	\checkmark		\checkmark		\checkmark							\checkmark					
6	Mobile automobile or vehicle washing				\checkmark							\checkmark	\checkmark			\checkmark						\checkmark							
7	Auto parking lots and storage facilities								\checkmark				\checkmark		\checkmark									\checkmark	\checkmark				
8	Retail or wholesale fueling		\checkmark		\checkmark				\checkmark	\checkmark			\checkmark			-								\checkmark				-	
	Commercial Activities		1		1	1		1	1	I	1	1		1			T	I		1	1			1					
9	Pest control services																												
11	Mobile carpet, drape, or furniture cleaning								\checkmark				\checkmark																
12	General contractors for home/commercial improvements (e.g. cement mixing, masonry, painting, etc.)		\checkmark						\checkmark	\checkmark					\checkmark	\checkmark						\checkmark	\checkmark	\checkmark	\checkmark				
13	Botanical or zoological gardens and nurseries/greenhouses	\checkmark	\checkmark		\checkmark				\checkmark	\checkmark			\checkmark	\checkmark	\checkmark		\checkmark							\checkmark	\checkmark				
14	Landscaping - parks, golf courses, cemeteries, etc.		\checkmark		\checkmark								\checkmark	\checkmark	\checkmark	\checkmark	\checkmark						\checkmark		\checkmark				
16	Marinas	1	\checkmark						\checkmark				\checkmark		\checkmark		\checkmark			İ									
3	Boat mechanical repair,				T				1					1			1		1										

Baseline BMP's for Priority COC and Related Sources

		Co	ver					Conta	inmen	t							Pr	eventi	ion				C	Good H	lousel	ceeping	g	Admin	istrative
Source #	Priority Sources	Store/Conduct material/activity Inside	Cover Activity/material	Use designated areas for activity, clean up or loading	Berm activity area or direct run on	Provide secondary containment	Provide drip plans, etc. to collect leaks/spills	Clean floor mats, etc. indoors	Properly dispose of process or wash water.	Immediately clean up spills with dry methods	Keep animals out of creeks	Wash vehicles and equipment in designated areas	Maintain spill clean up material/equipment readily available.	Properly store and dispose of green waste	Properly store and dispose hazardous material/chemicals	Schedule activity in dry weather	Label containers and maintain up-to- date inventory	Drain fluids from automobile	Provide signage for storm drains, materials storage, etc.	Properly manage pesticide/fertilizer use	Provide vegetation cover	Protect Storm drains	Practice water conservation	Inspect activity/storage area regularly	Clean up regularly with dry methods	Clean trash disposal areas	Train employees	Develop & Implement Spill Prevention Plan	Develop & Implement SWPPP
	maintenance, fueling, or cleaning																												
2	Airplane mechanical repair, maintenance, fueling, or cleaning																												
31	Airfields																												
17	Animal facilities (kennels and horse stables)		\checkmark	\checkmark	x				\checkmark		\checkmark		\checkmark		\checkmark									\checkmark	\checkmark		\checkmark		
	Eating and Drinking Establishments	-	_	-	-	-		-	-	_		-	-	-		-	-	-	-	-	-	-		-					
10	Eating or drinking establishments		\checkmark					\checkmark	\checkmark	\checkmark			\checkmark										\checkmark		\checkmark	\checkmark	\checkmark		
	Residential Areas and Activities	_		=					-				-	-			_	_	-	-		=				-			
18	Home automobile associated activities, home and garden care activities, waste disposal	\checkmark							\checkmark	\checkmark			\checkmark	\checkmark	\checkmark								\checkmark	\checkmark	\checkmark				
	New development and significant redevelopment projects	-		_	-	-		-	-		_	_	-	-			-	-	-	-	-	-			_	_	_		-
19	Development subject to SUSMPs	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark			\checkmark		\checkmark						\checkmark								
20	Construction sites												\checkmark								\checkmark								\checkmark
	Municipal Facilities/activities																												
24	Corporate yards (incl. maintenance/storage yards)	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark		\checkmark		\checkmark		\checkmark	\checkmark			\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark
25	Park and recreational facilities		\checkmark						\checkmark				\checkmark	\checkmark	\checkmark	\checkmark			\checkmark		\checkmark		\checkmark				\checkmark		
29	Active or closed municipal landfills																												
33	POTWs(water and wastewater)		<u>.</u>		-	-	_	-	_			·		_	<u> </u>					_	_	_	r	<u> </u>	_	<u>-</u>			
	Municipal Roadways, Streets and Parking Lots																												
21	Roads, streets, highways, and			\checkmark			\checkmark		\checkmark				\checkmark						\checkmark				\checkmark						

Baseline BMP's for Priority COC and Related Sources

		Co	ver					Conta	inmen	t							Pr	eventi	on				(Good H	lousek	eepin	g	Admin	istrative
Source #	Priority Sources	Store/Conduct material/activity Inside	Cover Activity/material	Use designated areas for activity, clean up or loading	Berm activity area or direct run on	Provide secondary containment	Provide drip plans, etc. to collect leaks/spills	Clean floor mats, etc. indoors	Properly dispose of process or wash water.	Immediately clean up spills with dry methods	Keep animals out of creeks	Wash vehicles and equipment in designated areas	Maintain spill clean up material/equipment readily available.	Properly store and dispose of green waste	Properly store and dispose hazardous material/chemicals	Schedule activity in dry weather	Label containers and maintain up-to- date inventory	Drain fluids from automobile	Provide signage for storm drains, materials storage, etc.	Properly manage pesticide/fertilizer use	Provide vegetation cover	Protect Storm drains	Practice water conservation	Inspect activity/storage area regularly	Clean up regularly with dry methods	Clean trash disposal areas	Train employees	Develop & Implement Spill Prevention Plan	Develop & Implement SWPPP
	parking facilities																												
	Industrial Facilities	-	-	_	-		-		_	-		_	-	_					_	-	-	-							
26	Chemical and allied products				\checkmark										\checkmark														\checkmark
27	Fabricated metal		\checkmark	\checkmark	\checkmark										\checkmark														\checkmark
28	Primary metal		\checkmark		\checkmark				\checkmark	\checkmark			\checkmark		\checkmark		\checkmark		\checkmark					\checkmark	\checkmark		\checkmark	\checkmark	\checkmark
32	Motor freight		\checkmark	\checkmark	\checkmark	\checkmark			\checkmark	\checkmark			\checkmark		\checkmark		\checkmark	\checkmark	\checkmark					\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark

Baseline BMP's for Priority COC and Related Sources

APPENDIX B

Preliminary BMP Siting Criteria

City of San Diego Interim Site Selection Guidelines and Sizing Criteria Road and Curbside Infiltration Planter and Pervious Pavement Prepared by CValdo Corporation March 9, 2007

The following guidelines provide general rules of thumb for site selection and sizing of infiltration planters and pervious concrete or porous asphalt paving. The intent of the guidelines is to provide a starting point for planners and design engineers when infiltration of flows within the City road right-of-way or parking areas is desired. In all cases a site specific geotechnical evaluation should be performed to establish the suitability of the local soils for infiltration. The design of the infiltration facility and the permissible infiltration volume may deviate from these guidelines depending on site specific conditions established during the geotechnical evaluation.

General Site Selection and Sizing Criteria

- 1. Infiltration is not to be used where expansive soils would damage existing improvements. In cases where pervious pavement or infiltration planters are desired in areas with expansive soils, an impermeable membrane placed beneath an engineered underdrain system may be incorporated into the design.
- 2. In areas where groundwater beneficial uses are specified in the Basin Plan, infiltration shall not be used unless effective source control BMPs are utilized in the contributing drainage area.
- 3. The seasonal high groundwater mark must be a minimum of 3 feet below the bottom of the infiltration planter or the base material of the pervious pavement.^(b) In cases where groundwater beneficial uses are noted in the Basin Plan this distance must be at least 10 feet.^(d)
- 4. Bedrock should be a minimum of 3 feet below the bottom of the infiltration planter or the base material of the pervious pavement.^(b) In locations where bedrock is closer than 3 feet, a subdrain system may be utilized or the bedrock may be scarified down to reach the 3 foot mark.
- 5. Infiltration planters and pervious pavement shall be located a minimum of 100 feet horizontally from any water supply wells.^(d)
- 6. Soils should have a minimum infiltration rate of 0.5 inches per hour 3 feet below the bottom of the infiltration planter or the base material of the pervious pavement.^(c) In locations where this rate is not achieved, engineered subsurface soils and/or a subdrain system may be utilized.
- 7. Permissible infiltration volume is to be determined by calculating the natural infiltration that would occur within the infiltration planter or pervious pavement tributary area assuming natural conditions, that is, no impervious surfaces. It is recommended that this volume be

determined by calculating the initial abstraction value, I_a , according to the SCS unit hydrograph method. The formula for calculating I_a ^(e), measured in inches, is:

 I_a (measured in inches) = 0.2 x S

S = (1000 / CN) - 10

CN = SCS runoff curve number based on land use and soil type for natural condition

The infiltration volume is then calculated as:

 $V = (I_a / 12) \times A$

Where:

V = infiltration volume measured in cubic feet

 I_a / 12 = initial abstraction in inches divided by 12 to convert units from inches to feet

A = tributary area to infiltration device measured in square feet

- 8. The minimum infiltration planter and pervious pavement setback from building foundations should be 10 feet downgradient or sidegradient and 100 feet upgradient. Where adjacent buildings have below grade structures, the minimum setback should be 100 feet in any direction.
- 9. Infiltration planters and pervious pavement should not be used in the vicinity of known slope stability problems.
- 10. Infiltration planters and pervious pavement should not be used within 100 feet of downgradient slopes steeper than four horizontal to one vertical.
- 11. Infiltration planters and pervious pavement should not be used in or adjacent to areas known to have a problematic high groundwater table or other groundwater related problems unless mitigation measures are proposed that will improve the existing condition and prevent exacerbation of the problems due to infiltration.
- 12. Infiltration planters and pervious pavement are intended to infiltrate runoff from road, curbside and parking areas typically associated with automobile use. In no case shall infiltration planters or pervious pavement be utilized as a treatment BMP within industrial sites unless pretreatment has removed the industry generated pollutants prior to infiltration.

Infiltration Planter Specific Criteria

1. A sedimentation forebay should be utilized to provide an area for sediments to accumulate and be collected.

- 2. Infiltration planters shall not be used on roads where traffic exceeds 15,000 ADTs.^(d)
- 3. In order to simulate natural infiltration conditions, planter spacing should be such that the total drainage area to a given planter is minimized. That is, it is more desirable to have a higher number of smaller planters each capturing a smaller tributary runoff volume, than a fewer number of larger planters each capturing a larger tributary runoff volume.
- 4. Where the infiltration planter is constructed adjacent to an existing fire hydrant, the fire hydrant shall be relocated to 2 feet inside of the new face of curb and constructed on a concrete slab. No vegetation shall be planted within 3 feet of the fire hydrant.
- 5. Trees shall not be planted within infiltration planters closer than 10 feet from sewer laterals or sewer main lines.

Pervious Pavement Specific Criteria

- 1. Pervious pavement should not be used in the traveled way except for curbside parking areas, generally extending 6.5 feet from the lip of the gutter. When used for curbside parking areas, the concrete gutter should be left in place.
- 2. Pervious pavement should not be used over areas where water or sewer main lines are located. This is to minimize cost should the utility main lines require maintenance.
- 3. Pervious pavement should not be used in areas of concentrated flow where road gutters or parking lot ribbon gutters would typically be located.
- 4. Pervious pavement should be used primarily to infiltrate rainwater landing on it. In cases where it is necessary to drain adjacent impervious areas to the pervious pavement section, the ratio of tributary impervious area to pervious area should not exceed 2 to 1.^(a) In no case shall sediment laden flows be directed to drain to pervious pavement.
- 5. Pervious pavement is likely to undergo a large sediment load during construction. Particular care shall be utilized to prevent construction phase sediments from spreading to areas covered by pervious pavement.^(a)
- 6. Correct placement and handling techniques are paramount in the utilization of pervious pavement. Prescreening or selection of contractors with experience in placement of pervious pavement is recommended.
- 7. Pervious pavement shall not be used within 10 feet of sewer main lines.

References

The following references (a) through (d) present site selection and/or design guidelines for infiltration devices. In some cases, these guidelines have been modified to achieve a more restrictive guideline.

- (a) Denver Urban Drainage and Flood Control District Drainage Criteria Manual Volume 3. 2007. Structural Best Management Practices Section.
- (b) Concrete Construction. June 2005. Volume 60. Number 6. *Concrete That Drains*. William D. Palmer Jr.
- (c) Portland Cement Association and National Ready Mixed Concrete Association. 2004. *Pervious Concrete Pavements*. Paul D. Tennis, Michael L. Leming, and David J. Akers.
- (d) California Regional Water Quality Control Board San Diego Region. January 24, 2007. Order Number R9-2007-0001. Waste Discharge Requirements for Discharges of Urban Runoff from the Municipal Separate Storm Sewer Systems (MS4s) Draining the Watersheds of the County of San Diego, the Incorporated Cities of San Diego County, the San Diego Unified Port District, and the San Diego County Regional Airport Authority.

A Guide to Hydrologic Analysis using SCS Methods. Richard H. McCuen. 1982.

BMP Site Selection Methodology:

- 1. Source information applicable to a criteria was entered into GIS
- 2. Geostatistical analysis (e.g. proximity, size, density, exclusion) is done on the criteria parameter of interest
- 3. The analysis results are normalized to a percentile ranking score (1-100) across the City of San Diego jurisdiction
- 4. Appropriate criteria result maps are selected and weighted appropriate to the BMP of interest.
- 5. The various criteria maps and their weights are combined into a final map of BMP suitability
- 6. Potential BMP sites are then overlaid on the final map of BMP suitability to assign suitability scores
- 7. Potential BMP Sites are then ranked based on their suitability scores

BMP Site Selection Criteria

	Criteria Name	Parcel Size	Other CIP Projects	Potential BMP Site Proximity	Building Proximity	Right of Way Proximity	Residential Distance	Commercial Distance	Ground Water Basin
ria Information	Criteria Raster Graphic	Parel Size	TBD	TBD	A CONTRACT A CONTRACT A CONTRACT B Medings	NA	Image: Antipage of the second seco	Connection	NA
Criter	Criteria Definition	A parcel GIS layer is used to come up with a relative ranking of parcel size. A large parcel size is assumed to provide more opportunities for BMP placement	SANGIS Layer of Capital Improvement Projects are used in this analysis. Proximity to a CIP is considered more suitable	Proximity to other potential BMP sites is considered more suitable because of the opportunity to combine projects	A SANGIS building footprint layer is used to indicate areas unsuitable for BMP placement	A Street right of way layer is used to find areas suitable for street related BMPs	Proximity to residential areas (SANDAG) can be used to avoid or favor residential areas for BMP siting	Proximity to commercial areas (SANDAG) can be used to favor BMP siting	A SANGIS groundwater basin layer is used to indicate areas unsuitable for BMP placement
iteria to types	Green Mall (urban street)	na	Y	ΥY	*	Y	na	Y	**
cation of Cr erent BMP	Green Mall (commercial lot)	Y	Y	YY	*	Y	na	Y	**
Applic diff	Green Street	na	Y	YY	*	Y	Y	na	**

Criteria Name	Parcel Size	Other CIP Projects	Potential BMP Site Proximity	Building Proximity	Right of Way Proximity	Residential Distance	Commercial Distance	Ground Water Basin
Green Lot	Y	Y	YY	*	na	na	na	**
Bacteria Treatment System	Y	Y	Y	na	na	na	na	na
Hydrodynamic Separator	Y	Y	Y	na	na	na	na	na
Large LID	Y	Y	YY	*	na	na	na	**

Y – Important to Site Selection for the BMP

YY – High Importance to the siting of the BMP and criteria may be weighted higher to compare between similarly scored sites.

na - Not Applicable

*Proximity of the BMP site to existing infrastructure should be reasonable in order to avoid any damage to the buildings due to infiltration. If a BMP site of this nature must be selected, then infiltration system should be engineering around the infrastructure to protect the infrastructure (Ex: Geosynthetic liners) ** Avoid regions with significant groundwater basins or the Ground water elevation should be at least greater than 10 ft below the surface.

*** Avoid selection of BMP sites in environmentally sensitive areas or close to potentially contaminated sites

**** High slopes are not suitable for BMP placement due to slope stability concerns.

Y* Considerable head difference is needed for the BMP implementation.

	Criteria Name	Ground Water Elevation	Infiltration	Water Body Proximity	Proximity Potentially Contaminated Site	Surplus City Real Estate Parcel	Environmentally Sensitive Areas	Outlet Distance
a Information	Criteria Raster Graphic	TBD			Consmitted Sites	TBD	ACCE CRAW ACCE CRAW Environmental Sensitive	TBD
Criteria	Criteria Definition	Groundwater elevations greater than 10 feet are necessary for infiltration BMPs	A USDA soil layer is used to determine infiltration capacity. Higher infiltration would be more favorable to some BMPs	A SANDAG water body layer is used to identify areas BMP placement near a water body would be favorable. The actual water body area is excluded	Areas near contaminated Sites (State of California) are ranked lower	Surplus City of San Diego real estate is ranked high.	Environmentally sensitive areas (SANGIS) are ranked unsuitable for BMP placement	Close proximity to a stormwater outlet (SANGIS) may make a site more suitable for BMP placement
different	Green Mall (urban street)	**	Y	Y	***	Y	***	Y
Criteria to IP types	Green Mall (commercial lot)	* *	Y	Y	***	Y	***	Y
ation of BN	Green Street	**	Y	Y	***	na	***	Y
Applica	Green Lot	**	Y	Y	***	Y	***	Y

BMP Site Selection Criteria

Criteria Name	Ground Water Elevation	Infiltration	Water Body Proximity	Proximity Potentially Contaminated Site	Surplus City Real Estate Parcel	Environmentally Sensitive Areas	Outlet Distance
Abtec	**	na	YY	***	Y	* * *	YY
Hydrodynamic Separator	**	na	Y	***	Y	***	Y
Large LID	**	Y	Y	***	Y	***	Y

Y – Important to Site Selection for the BMP

YY – High Importance to the siting of the BMP and criteria may be weighted higher to compare between similarly scored sites.

na - Not Applicable

*Proximity of the BMP site to existing infrastructure should be reasonable in order to avoid any damage to the buildings due to infiltration. If a BMP site of this nature must be selected, then infiltration system should be engineering around the infrastructure to protect the infrastructure (Ex: Geosynthetic liners)

** Avoid regions with significant groundwater basins or the Ground water elevation should be at least greater than 10 ft below the surface.

*** Avoid selection of BMP sites in environmentally sensitive areas or close to potentially contaminated sites **** High slopes are not suitable for BMP placement due to slope stability concerns.

Y* Considerable head difference is needed for the BMP implementation.

	Criteria Name	Inlet Distance	Priority Sector	Drainage Area	Parcel Size / Drainage Area	Slope	Storm Drain Distance	LTEA Source Data
a Information	Criteria Raster Graphic		TBD		TBD		Image: State Stat	TBD
Criteria	Criteria Definition	Close proximity to a stormwater inlet (SANGIS) may make a site more suitable for BMP placement	Areas ranked in the Watershed Prioritization process are given a more suitable score for BMP placement	Relative drainage area as calculated from a SANDAG DEM is used to determine more suitable sites near higher flow	A ratio of parcel size to relative drainage area is calculated. A higher ratio may be more suitable because there is more area to treat flow	Areas of high slope (SANDAG) are less suitable for BMP placement	Close proximity to a storm drain network (SANGIS) may make a site more suitable for BMP placement	A high density of Long Term Environmental Assessment pollutant sources makes an area more suitable for BMP placement
different	Green Mall (urban street)	Y	Y	Y	Y	* * * *	Y	Y
Criteria to 1P types	Green Mall (commercial lot)	Y	Y	Y	Y	* * * *	Y	Y
ation of BN	Green Street	Y	Y	Y	Y	* * * *	Y	Y
Applic	Green Lot	Y	Y	ΥY	Y	***	Y	Y

BMP Site Selection Criteria

Criteria Name	Inlet Distance	Priority Sector	Drainage Area	Parcel Size / Drainage Area	Slope	Storm Drain Distance	LTEA Source Data
Abtec	Y	Y	ΥY	Y	Υ*	Y	YY (gross Pol + Bact)
Hydrodynamic Separator	Y	Y	YY	Y	Υ*	Y	YY (gross Pol + Sed)
Large LID	Y	Y	ΥY	Y	****	Y	Y

Y – Important to Site Selection for the BMP

YY – High Importance to the siting of the BMP and criteria may be weighted higher to compare between similarly scored sites.

na - Not Applicable

*Proximity of the BMP site to existing infrastructure should be reasonable in order to avoid any damage to the buildings due to infiltration. If a BMP site of this nature must be selected, then infiltration system should be engineering around the infrastructure to protect the infrastructure (Ex: Geosynthetic liners)

** Avoid regions with significant groundwater basins or the Ground water elevation should be at least greater than 10 ft below the surface.

*** Avoid selection of BMP sites in environmentally sensitive areas or close to potentially contaminated sites **** High slopes are not suitable for BMP placement due to slope stability concerns.

Y* Considerable head difference is needed for the BMP implementation.

APPENDIX C

Watershed Permit Activities

Cost Estimate

USER'S GUIDE TO COST TABLES INCLUDED IN APPENDIX C & D

How to use the Cost template?

A spreadsheet template for the estimation of the total annual costs is provided in electronic format on the enclosed compact disc. The anticipated watershed activities listed in Section 4.0 and 5.0 are subject to modification based on available resources and the results of the water quality source and BMP effectiveness. Therefore, the implementation plan and the list of activities may be subject to change in the future years. The attached cost spreadsheet template provides a tool to re-estimate the total annual costs for the watershed activities based on program changes. The following steps as outlined below are to be used for the attached spreadsheet:

- Choose '1' to implement a certain project type corresponding to the implementation year. This corresponds to a 'YES – This BMP project type will be implemented in the respective year'. Refer 'A' in the Figure on the below.
- Choose '0' if no projects will be implemented that particular year. Refer 'A' in the figure below.
- Enter the number of activities desired in the respective years and also enter the respective project number to track the projects. Refer 'B' in the figure below.

The spreadsheet will calculate the total estimated costs for the different projects entered in the spreadsheet for the respective years and also the total cost.

How to Read the Cost Tables?

The cost tables are estimated for different potential projects identified in the implementation strategy. The implementation of each of these projects follow the strategy for single and multiple pollutant BMPs as explained in section 3.0. The cost of the project is estimated based on conceptual level engineering cost estimates for a "typical" BMP project of this type. The capital costs include construction and contingency costs. The design costs for these projects are incorporated two years prior to the construction due to a 30 month requirements for design and processing. Operation and Maintenance costs are estimated for the years following the implementation year. Further, these tables are

populated with different projects in different years to follow the permit and TMDL activities shown in Table 4-1 and 5-1 respectively. The cost estimates for Permit activities are presented in Appendix C. The cost estimates for TMDL and ASBS activities have been presented in Appendix D.

Example of Cost Template Spreadsheet

		San Die	go Bay Watershed -	Chollas Cre	ek - TM	DL Cos	t			
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000	It is a windent to the 2.0/ of	0	1	1	1	1	Enter the	
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0		▼ 0	R A	1	Enter the	
Green Street	It is equivalent to	\$1,380,000	ine Capital Cost of the provious	0		0		<u>∖ </u>	required	Entor 0 for none and 1
Brin Borrollo	15 % 0f the	\$2,382,000	implemented in the previous	0	N N				number of	for you under the
Rail Dallells	Capital cost in the	\$1,555,000	year and continuing	•••			-			roopeetive Field Veere
Diversions	Following Year	\$349,000	maintenance of the BMP	0			-		corresponding	respective riscal reals.
Diversions	-	\$773,000	corresponding to the	0	7			$\sqrt{1}$	activity in the #	
Fracian Control Devices		\$27,000	previous years	0	0			$\overline{}$		
Elosion Control Devices		\$312,000		0	0	6	$\overline{}$	4		
	ļ				1 779.01					
		San Die	go Bay Watershed	Chollas Cre	ek - IMI	DL Cos	t			
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0					<u> </u>	
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	R0						
Rain Barrells	\$0	\$0	\$0	0						
Bioretention/Restoration	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Erosion Control Devices	\$0	\$0	\$0	0						
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$588,000	\$0	1						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$283,000	\$0	\$0	▼ 0						
Green Mall	\$972,000	\$0	\$0	ط	/					
Rain Barrells	\$0	\$0	\$0	0				$\overline{\ }$		
Bioretention/Restoration	\$0	\$0	\$0	0						
Diversions	\$316,000	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0				$\overline{}$		
Erosion Control Devices	\$0	\$0	\$0	0				\sim	$\leq \mathbf{D}$	
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$651,000	\$6,000	1					/	
Green Lot	\$513,000	\$0	\$0	0				/ /	/	
Green Street	\$616,000	\$0	\$0	0				$ \rightarrow $		
Green Mall	\$1,058,000	\$0	\$0	0	2					
Rain Barrells	\$0	\$0	\$0	0			/	1		
Bioretention/Restoration	\$0	\$0	\$0	0				/		
Diversions	\$0	\$0	\$0	0			/	/		
Trash Segregation	\$6,000	\$0	\$0	0			/			
Erosion Control Devices	\$0	\$0	\$0	0						
2010	Design cost	Capital cost	O&M cost	# of units	Project #		/		Comments	
Street Sweeping	\$0	\$714,000	\$13,000	. 1		/				
Green Lot	\$513,000	\$0	\$0	¥ 0		<u> </u>				
Green Street	\$616,000	\$1,885,000	\$0	1	4					
Green Mall	\$1,058,000	\$6,480,000	\$0	2	5,18	/				
Rain Barrells	\$0	\$0	\$0	0		/				
Bioretention/Restoration	\$0	\$0	\$0	0	/	r				
Diversions	\$0	\$2,103,000	\$0	2	6 /					
Trash Segregation	\$6,000	\$0	\$0	0	/					
Erosion Control Devices	\$0	\$0	\$0	0						
				-	/					
2011	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$777,000	\$21,000	1						
Green Lot	\$513,000	\$3,416,000	\$0	/2	8, 13					
Green Street	\$616,000	\$4,103,000	\$19,000	/ 2	9, 14					
Green Mall	\$1,058,000	\$7,051,000	\$65,000	▶ 2	10,15					
Rain Barrells	\$0	\$0	\$0	0						
Bioretention/Restoration	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$22,000	0	11, 16					
Trash Segregation	\$6,000	\$40,000	\$0	1	3					
Erosion Control Devices	\$0	\$0	\$0	0						
				-		•				
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year						
2007	\$0	\$0	\$0	\$0						
2008	\$1,571,000	\$588,000	\$0	\$2,159,000						
2009	\$2,193,000	\$651,000	\$6,000	\$2,850,000						
2010	\$2,193,000	\$11,182,000	\$13,000	\$13,388,000						
2011	\$2,193,000	\$15,387,000	\$127,000	\$17,707,000						
Total	\$8,150,000	\$27,808,000	\$146,000	\$36,104,000						

		San Die	go Bay Watershed - (Chollas Cree	k - Perı	mit Co	st			
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		0	0	0	0	1	1	
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0	0	1	1	(Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0	0	0	() required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0	0	0	() number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0	0	0	() units for the	for yes under the
Bioretention/Restoration	the Following	\$349,000	maintenance of the BMP	0	0	0	1	(corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the previous	0	0	0	0	(activity in the #	
Trash Segregation		\$27,000	years	0	1	0	1	1	of units	
Erosion Control Devices		\$312,000		0	0	0	0	() Column.	
		San Die	go Bay Watershed - (Chollas Cree	<mark>k - Per</mark> i	mit Co	st			
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$215,000	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Bioretention/Restoration	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$1,000	\$0	\$0	0						
Erosion Control Devices	\$0	\$0	\$0	0						
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$236,000	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Bioretention/Restoration	\$72,000	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$6,000	\$4,000	\$0	1	12A	10 % of	total cost	to be con	sidered as Abtec	h is paying for rest
Erosion Control Devices	\$0	\$0	\$0	0						
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$1,431,000	\$0	1	3A					
Green Street	\$0	\$0	\$0	0						
	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Bioretention/Restoration	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Irash Segregation	\$6,000	\$0	\$1,000	0						
Erosion Control Devices	\$0	\$0	\$0	0						

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$1,570,000	\$15,000	1	3	
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Bioretention/Restoration	\$0	\$475,000	\$0	1		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$37,000	\$1,000	1	1	
Erosion Control Devices	\$0	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$777,000	\$0	1		New Vaccum Truck and Route
Green Lot	\$0	\$0	\$31,000	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0	2	
Rain Barrells	\$0	\$0	\$0	0		
Bioretention/Restoration	\$0	\$0	\$5,000	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$40,000	\$2,000	1	12B	
Erosion Control Devices	\$0	\$0	\$0	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
2007	\$216.000	\$0	\$0	\$216.000		

2007	\$216,000	\$0	\$0	\$216,000
2008	\$314,000	\$4,000	\$0	\$318,000
2009	\$6,000	\$1,431,000	\$1,000	\$1,438,000
2010	\$6,000	\$2,082,000	\$16,000	\$2,104,000
2011	\$6,000	\$817,000	\$38,000	\$861,000
Total	\$548,000	\$4,334,000	\$55,000	\$4,937,000

		Missi	on Bay Watershed -	Tecolote C	reek - P	ermit (Cost			
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		0	0	0	0	0		
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0	0	0	0	0	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0	1	0	1	required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0	0	0	0	number of	Enter 0 for none and 1 for yes
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	1	0	0	0	units for the	under the respective Fiscal
Bioretention/Restoration	the Following	\$349,000	maintenance of the BMP	0	0	0	0	0	corresponding	Years.
Diversions	Year	\$773,000	corresponding to the	0	0	0	1	0	activity in the #	
Trash Segregation	_	\$27,000	previous years	0	0	0	1	0	of units	
Erosion Control Devices		\$312,000		0	0	0	0	0	Column.	
		Missi	on Bay Watershed -	Tecolote C	reek - P	ermit (Cost			
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$4,000	\$0	\$0	0						
Bioretention/Restoration	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Erosion Control Devices	\$0	\$0	\$0	0						
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$24,000	\$0	1	11	Rose Car	nyon Main	tenance `	Yard	
Bioretention/Restoration	\$0	\$0	\$0	0						
Diversions	\$32,000	\$0	\$0	0						
Trash Segregation	\$6,000	\$0	\$0	0						
Erosion Control Devices	\$0	\$0	\$0	0						
2000	Decign cost	Conital cost		# of unite	Project #				Commonte	
Street Sweening			Cam Cost ¢∩		TTOJECT#				comments	
Green Lot	\$0 \$0		\$0	0						
Green Street	\$308,000	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$1,000	0						
Bioretention/Restoration	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Erosion Control Devices	\$0	\$0	\$0	0						
1						1				

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$308,000	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$1,000	0		
Bioretention/Restoration	\$0	\$0	\$0	0		
Diversions	\$0	\$211,000	\$0	0		To be paid by CBI grant Monies - City needs to match 20 % of the cost
Trash Segregation	\$0	\$37,000	\$0	1	1	
Erosion Control Devices	\$0	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$308,000	\$2,052,000	\$0	1	2	
Green Mall	\$0	\$0	\$0	0	2	
Rain Barrells	\$0	\$0	\$1,000	0		
Bioretention/Restoration	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$3,000	0		
Trash Segregation	\$0	\$0	\$1,000	0		
Erosion Control Devices	\$0	\$0	\$0	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
2007	\$4,000	\$0	\$0	\$4,000		
2008	\$38,000	\$24,000	\$0	\$62,000	1	
2009	\$308,000	\$0	\$1,000	\$309,000		
2010	\$308,000	\$248,000	\$1,000	\$557,000]	
2011	\$308,000	\$2,052,000	\$5,000	\$2,365,000]	
Total	\$966,000	\$2,324,000	\$7,000	\$3,297,000]	

		Μ	ission Bay Watershe	d - La Jolla -	Permit	Cost				
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping	_	\$525,000		0	0	0) 1	C)	
Green Lot	_	\$1,154,000	It is equivalent to the 2 % of	0	0	0	0 0	C	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0	0	0 0	C) required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0	0	0 0	C) number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0	0	0 0	C) units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	maintenance of the BMP	0	0	0	0 0	1	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the previous	0	1	1	1	C	activity in the #	
Trash Segregation		\$27,000	years	0	0	0) 1	C	of units	
Erosion Control Devices		\$312,000		0	0	0	0 0	C) Column.	
		Μ	ission Bay Watershe	d - La Jolla -	Permit	Cost				
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$64,000	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Erosion Control Devices	\$0	\$0	\$0	0						
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$32,000	\$192,000	\$0	2	4	To be pa	id by CBI	grant Mo	nies - City needs	to match 20 % of the cost
Trash Segregation	\$6,000	\$0	\$0	0						
Erosion Control Devices	\$0	\$0	\$0	0						
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$23,000	\$0	\$0	0	<u> </u>	L				
Diversions	\$0	\$229,000	\$2,000	2	4	To be pa	id by CBI	grant Mo	nies - City needs	to match 20 % of the cost
Trash Segregation	\$0	\$0	\$0	0						
Erosion Control Devices	\$0	\$0	\$0	0						
	1				1	1				

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$714,000	\$0	1		New Vaccum Truck and Route
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$23,000	\$0	\$0	0		
Diversions	\$0	\$211,000	\$5,000	0		To be paid by CBI grant Monies - City needs to match 20 % of the cost
Trash Segregation	\$0	\$37,000	\$0	1	1	
Erosion Control Devices	\$0	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$8,000	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0	2	
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$23,000	\$148,000	\$0	2	12,13	
Diversions	\$0	\$0	\$8,000	0		
Trash Segregation	\$0	\$0	\$1,000	0		
Erosion Control Devices	\$0	\$0	\$0	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
2007	\$64,000	\$0	\$0	\$64,000]	
2008	\$38,000	\$192,000	\$0	\$230,000]	
2009	\$23,000	\$229,000	\$2,000	\$254,000	Ţ	

\$5,000

\$17,000

\$24,000

\$23,000

\$23,000 **\$171,000**

2010

2011

Total

\$962,000

\$148,000

\$1,531,000

\$990,000 \$188,000

\$1,726,000

			Los penasquit	os - Permit C	Cost					
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		0	0 0	0	0	C)	
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0	0 0	0	0	C	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0 0	0	0	C) required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0 0	0	0	1	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0 0	0	0	C) units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	maintenance of the BMP	0	0 0	0	1	C	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the previous	0	0 0	0	0	C	activity in the #	
Trash Segregation		\$27,000	years	0	0 0	0	1	C) of units	
Hydrodynamic Separators		\$312,000		0	0 0	0	1	C) Column.	
			Los Penasquit	os - Permit C	Cost					
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0)					
Green Lot	\$0	\$0	\$0	0)					
Green Street	\$0	\$0	\$0	0)					
Green Mall	\$0	\$0	\$0	0)					
Rain Barrells	\$0	\$0	\$0	0)					
Smart Irrigation systems	\$0	\$0	\$0	0)					
Diversions	\$0	\$0	\$0	0)					
Trash Segregation	\$0	\$0	\$0	0)					
Hydrodynamic Separators	\$0	\$0	\$0	0)					
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	S0	S0	Sourcest \$0	<i>#</i> 01 diff(5					Comments	
Green Lot	\$0	\$0		0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0)					
Rain Barrells	\$0	\$0	\$0	0)					
Smart Irrigation systems	\$11,000	\$0	\$0	0)					
Diversions	\$0	\$0	\$0	0)					
Trash Segregation	\$6,000	\$0	\$0	0)					
Hydrodynamic Separators	\$128,000	\$0	\$0	0)					
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0)					
Green Lot	\$0	\$0	\$0	0)					
Green Street	\$0	\$0	\$0	0)					
Green Mall	\$529,000	\$0	\$0	0)					
Rain Barrells	\$0	\$0	\$0	0)					
Smart Irrigation systems	\$0	\$0	\$0	0)					
Diversions	\$0	\$0	\$0	0)					
Trash Segregation	\$0	\$0	\$0	0)					
Hydrodynamic Separators	\$0	\$0	\$0	0)					
					1	1				

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$529,000	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$68,000	\$0	1		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$0	\$37,000	\$0	1	1	
Hydrodynamic Separators	\$0	\$849,000	\$0	2		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$529,000	\$3,526,000	\$0	1	2	
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$1,000	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$0	\$0	\$1,000	0		
Hydrodynamic Separators	\$0	\$0	\$9,000	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
2007	\$0	\$0	\$0	\$0		
2008	\$145,000	\$0	\$0	\$145,000		
2009	\$529,000	\$0	\$0	\$529,000		
2010	\$529,000	\$954,000	\$0	\$1,483,000		
2011	\$529,000	\$3,526,000	\$11,000	\$4,066,000]	
Total	\$1,732,000	\$4,480,000	\$11,000	\$6,223,000		

			San Diego Riv	er - Permit C	ost					
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping	-	\$525,000		0	0 0	0	0	C)	
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0	0 0	0	0	C	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0 0	0	0	C	required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0 0	0	0	1	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0 0	0	0	C	units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	maintenance of the BMP	0	0 0	0	1	C	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the previous	0	0 0	0	0	C	activity in the #	
Trash Segregation		\$27,000	years	0	0 0	0	1	C	of units	
Hydrodynamic Separators		\$312,000		0	0 0	0	1	C	Column.	
			San Diego Riv	er - Permit C	ost					
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0)					
Green Lot	\$U \$0	\$U \$0		0) \					
Green Street	30 \$0	\$0 \$0	<u>۵</u> ۵	0						
Bain Barrells	30 \$0	30 \$0	90 \$0	0)					
Smart Irrigation systems	30 \$0	0¢ 02	\$0 \$0	0)					
Diversions	\$0	\$0	\$0	0)					
Trash Segregation	\$0	\$0	\$0	0)					
Hydrodynamic Separators	\$0	\$0	\$0	0)					
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0)					
Green Lot	\$0	\$0	\$0	0)					
Green Street	\$0	\$0	\$0	0)					
Green Mall	\$0	\$0	\$0	0)					
Rain Barrells	\$0	\$0	\$0	0)					
Smart Irrigation systems	\$11,000	\$0	\$0	0)					
Diversions	\$0	\$0	\$0	0)					
Trash Segregation	\$6,000	\$0	\$0	0)					
Hydrodynamic Separators	\$128,000	\$0	\$0	0)					
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0)					
Green Lot	\$0	\$0	\$0	0)					
Croop Street	\$0	\$0	\$0	0)					
Green Street				0						
Green Mall	\$529,000	\$0	\$0	0						
Green Mall Rain Barrells	\$529,000 \$0	\$0 \$0	\$0 \$0	0)					
Green Mall Rain Barrells Smart Irrigation systems	\$529,000 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	0)					
Green Mall Rain Barrells Smart Irrigation systems Diversions	\$529,000 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	0 0 0 0)					
Green Mall Rain Barrells Smart Irrigation systems Diversions Trash Segregation	\$529,000 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0))))					
Green Mall Rain Barrells Smart Irrigation systems Diversions Trash Segregation Hydrodynamic Separators	\$529,000 \$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))))					

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$529,000	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$68,000	\$0	1		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$0	\$37,000	\$0	1	1	
Hydrodynamic Separators	\$0	\$849,000	\$0	2		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$529,000	\$3,526,000	\$0	1	2	
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$1,000	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$0	\$0	\$1,000	0		
Hydrodynamic Separators	\$0	\$0	\$9,000	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
2007	\$0	\$0	\$0	\$0		
2008	\$145,000	\$0	\$0	\$145,000		
2009	\$529,000	\$0	\$0	\$529,000		
2010	\$529,000	\$954,000	\$0	\$1,483,000		
2011	\$529,000	\$3,526,000	\$11,000	\$4,066,000]	

\$11,000

\$6,223,000

Total

\$1,732,000

\$4,480,000

			San Dieguito - F	Permit Cost						
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		0	0	0	0	0		
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0	0	0	0	0	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0	0	0	0	required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0	0	0	0	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0	0	0	0	units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	maintenance of the BMP	0	0	0	0	1	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the previous	0	0	0	0	0	activity in the #	
Trash Segregation		\$27,000	years	0	0	0	1	0	of units	
Sediment and peak flow Project		\$312,000		0	0	0	1	0	Column.	
			San Dieguito - F	Permit Cost						
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Sediment and peak flow Project	\$0	\$0	\$0	0						
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$6,000	\$0	\$0	0						
Sediment and peak flow Project	\$64,000	\$0	\$0	0						
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$12,000	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Sediment and peak flow Project	\$0	\$0	\$0	0						

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$12,000	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$0	\$37,000	\$0	1	1	
Sediment and peak flow Project	\$0	\$425,000	\$0	1		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0	2	
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$12,000	\$74,000	\$0	1	3	
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$0	\$0	\$1,000	0		
Sediment and peak flow Project	\$0	\$0	\$5,000	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		

Total Calculations	Design Cost	Capital Cost	U&IVI COST	Total / Year
2007	\$0	\$0	\$0	\$0
2008	\$70,000	\$0	\$0	\$70,000
2009	\$12,000	\$0	\$0	\$12,000
2010	\$12,000	\$462,000	\$0	\$474,000
2011	\$12,000	\$74,000	\$6,000	\$92,000
Total	\$106,000	\$536,000	\$6,000	\$648,000

			Tijuana - Po	ermit Cost						
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping	-	\$525,000		0	0	0	1	0		
Green Lot	-	\$1,154,000	It is equivalent to the 2 % of	0	0	0	0	0	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0	0	0	0	required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0	0	0	1	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0	0	0	0	units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	maintenance of the BMP	0	0	0	0	0	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the previous	0	0	0	0	0	activity in the #	
Trash Segregation	-	\$27,000	years	0	0	0	1	0	of units	
Sediment and peak flow Project		\$312,000		0	0	0	0	0	Column.	
			Tijuana - Po	ermit Cost						
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Sediment and peak flow Project	\$0	\$0	\$0	0						
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$6,000	\$0	\$0	0						
Sediment and peak flow Project	\$0	\$0	\$0	0						
00000	Desting	Opuritat	0.011	the formation	Ducient			_	Commenter	
2009 Street Sweeping	Design cost		O&M Cost	# or units	Project #				Comments	
Green Lot	\$0 ¢0	<u>ቅሀ</u> ቁሰ	<u>ቀ</u> ባ	0						
Green Street	30 \$0	3 0 ፍር	\$U \$U	0						
Green Mall	\$529 000	پ ۵ ۵۳	ېن ۵۵	0						
Rain Barrells	φ020,000 \$∩	ው ድርጉ የ	40 02	0						
Smart Irrigation systems	\$0 \$0	\$0	\$0	0						
Diversions	\$0 \$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Sediment and peak flow Project	\$0	\$0	\$0	0						
	· · ·									

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$714,000	\$0	1		New Vaccum Truck and Route
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$529,000	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$0	\$37,000	\$0	1	1	
Sediment and peak flow Project	\$0	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$8,000	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$529,000	\$3,526,000	\$0	1	2	
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$0	\$0	\$1,000	0		
Sediment and peak flow Project	\$0	\$0	\$0	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
	A a	Aa	A A		1	

Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year
2007	\$0	\$0	\$0	\$0
2008	\$6,000	\$0	\$0	\$6,000
2009	\$529,000	\$0	\$0	\$529,000
2010	\$529,000	\$751,000	\$0	\$1,280,000
2011	\$529,000	\$3,526,000	\$9,000	\$4,064,000
Total	\$1,593,000	\$4,277,000	\$9,000	\$5,879,000

APPENDIX D

Watershed TMDL Activities

Cost Estimate

		San Die	ego Bay Watershed ·	Chollas Cre	ek - TMI	DL Cos	t			
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		0) 1	1	1	1		
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0) 0	0	0	1	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0 0	0	1	1	required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0) 0	1	1	1	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0 0	0	0	0	units for the	for yes under the
Bioretention/Restoration	the Following	\$349,000	maintenance of the BMP	0	0 0	0	0	0	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the	0	0 0	0	1	1	activity in the #	
Trash Segregation		\$27,000	previous years	0	0 0	0	0	1	of units	
Erosion Control Devices		\$312,000		0	0 0	0	0	0	Column.	
		San Die	ego Bay Watershed -	Chollas Cre	ek - TMI	DL Cos	t			
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0)					
Green Lot	\$0	\$0	\$0	0)					
Green Street	\$0	\$0	\$0	0)					
Green Mall	\$0	\$0	\$0	0)					
Rain Barrells	\$0	\$0	\$0	0)					
Bioretention/Restoration	\$0	\$0	\$0	0)					
Diversions	\$0	\$0	\$0	0)					
Trash Segregation	\$0	\$0	\$0	0)					
Erosion Control Devices	\$0	\$0	\$0	0)					
2000	Decise cost	Conital cost		# of unito	Drojoot #				Commonto	
2008 Street Sweeping	Design cost	Capital Cost \$588,000	C&M COSt	# 01 UNITS 1	Project #				Comments	
Green Lot	φ0 \$0	۵۵۵,000 (۵	\$0	0						
Green Street	\$283.000	۵۵ ۵۵	\$0	0	,)					
Green Mall	\$972,000	ψ0 \$0	\$0	0	, 					
Rain Barrells	\$0	\$0	\$0 \$0	0						
Bioretention/Restoration	\$0	\$0	\$0	0)					
Diversions	\$316.000	\$0	\$0	0)					
Trash Segregation	\$0	\$0	\$0	0)					
Erosion Control Devices	\$0	\$0	\$0	0)					
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$651,000	\$6,000	1						
Green Lot	\$513,000	\$0	\$0	0)					
Green Street	\$616,000	\$0	\$0	0)					
Green Mall	\$1,058,000	\$0	\$0	0	2					
Rain Barrells	\$0	\$0	\$0	0)					
Bioretention/Restoration	\$0	\$0	\$0	0)					
Diversions	\$0	\$0	\$0	0)					
Trash Segregation	\$6,000	\$0	\$0	0)					
Erosion Control Devices	\$0	\$0	\$0	0)					

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$714,000	\$13,000	1		
Green Lot	\$513,000	\$0	\$0	0		
Green Street	\$616,000	\$1,885,000	\$0	1	4	
Green Mall	\$1,058,000	\$6,480,000	\$0	2	5,18	
Rain Barrells	\$0	\$0	\$0	0		
Bioretention/Restoration	\$0	\$0	\$0	0		
Diversions	\$0	\$2,103,000	\$0	2	6	
Trash Segregation	\$6,000	\$0	\$0	0		
Erosion Control Devices	\$0	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$777,000	\$21,000	1		
Green Lot	\$513,000	\$3,416,000	\$0	2	8, 13	
Green Street	\$616,000	\$4,103,000	\$19,000	2	9, 14	
Green Mall	\$1,058,000	\$7,051,000	\$65,000	2	10,15	
Rain Barrells	\$0	\$0	\$0	0		
Bioretention/Restoration	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$22,000	0	11, 16	
Trash Segregation	\$6,000	\$40,000	\$0	1	3	
Erosion Control Devices	\$0	\$0	\$0	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
2007	\$0	\$0	\$0	\$0		
2008	\$1,571,000	\$588,000	\$0	\$2,159,000		
2009	\$2,193,000	\$651,000	\$6,000	\$2,850,000		
2010	\$2,193,000	\$11,182,000	\$13,000	\$13,388,000		
2011	\$2,193,000	\$15,387,000	\$127,000	\$17,707,000		
Total	\$8,150,000	\$27,808,000	\$146,000	\$36,104,000		

BMPs Design cost Capital cost 02M cost 2007 2008 2009 2011 2014 et al. Street Sweeping 552.500 \$\$1,154.000 its equivalent to the 2% of 0 0			Miss	ion Bay Watershed -	Tecolote Cr	eek - TM	DL Co	st			
BMPs Design cost Capital cost of \$252,000 0.000 2009 2010 2011 # of units Comments Green Lot \$325,000 11,154,000 11,55,900 11,55,900 <th></th>											
Street Sevening Green Lot No. No. <td>BMPs</td> <td>Design cost</td> <td>Capital cost</td> <td>O&M cost</td> <td>2007</td> <td>2008</td> <td>2009</td> <td>2010</td> <td>2011</td> <td># of units</td> <td>Comments</td>	BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Green Lot Green Mail Is equivalent to the 2 % of Green Mail 0	Street Sweeping		\$525,000		0	0	0	1	1		
Green Street It is equivalent to Seven Mall 15 % 01 the S 3232,000 Seven Mall S 3434,000 15 % 01 the S 3434,000 Tequired S 34	Green Lot		\$1,154,000	It is equivalent to the 2 % of	0	0	0	0	0	Enter the	
Green Mail 15 % of the Rain Barrells C2,322,000 (per and continuing) 0 0 0 1 1 number of Enter for none and 1 for our responding to the Sizes Variable	Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0	0	1	1	required	
Rain Barrells Capital costi in Biorestrion/Restoration Trash Segregation Capital costi in Signation (Segregation Hydrodynamic Separators Signation Signation (Segregation Hydrodynamic Separators O <tho< th=""> O O</tho<>	Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0	0	1	1	number of	Enter 0 for none and 1 for
Bioretion/Restoration the Following Year S349,000 S349,000 maintenance of the BMP S773,000 0<	Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0	0	0	0	units for the	yes under the respective
Diversions Year \$773.000 \$2312.000 corresponding to the previous years 0 </td <td>Bioretention/Restoration</td> <td>the Following</td> <td>\$349,000</td> <td>maintenance of the BMP</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>corresponding</td> <td>Fiscal Years.</td>	Bioretention/Restoration	the Following	\$349,000	maintenance of the BMP	0	0	0	0	0	corresponding	Fiscal Years.
Trash Segregation Hydrodynamic Separators \$27,000 \$312,000 previous years \$312,000 0 0 0 0 0 1 of units Column. Visit Separators Wission Bay Watershed - Tecolote Cretek - TWDL Cost Comments Street Segregation Street Street Capital cost 0 & 0 0 <t< td=""><td>Diversions</td><td>Year</td><td>\$773,000</td><td>corresponding to the</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>activity in the #</td><td></td></t<>	Diversions	Year	\$773,000	corresponding to the	0	0	0	0	0	activity in the #	
Hydrodynamic Separators (1) (312,00) (0) (0) (1) Column. Mission Bay Watershed - Tecolote Creek - TMDL Cost 2007 Design cost Capital cost 0 M cost # of units Project # Comments Street Sweeping (3) (3) (3) (3) (3) (3) (3) Green Lot (3) <td>Trash Segregation</td> <td></td> <td>\$27,000</td> <td>previous years</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>of units</td> <td></td>	Trash Segregation		\$27,000	previous years	0	0	0	0	1	of units	
Mission Bay Watershed - Tecolote Creek - TMDL Cost 2007 Design cost Capital cost O&M cost # of units Project # Comments Street Sweeping \$0 </td <td>Hydrodynamic Separators</td> <td></td> <td>\$312,000</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>Column.</td> <td></td>	Hydrodynamic Separators		\$312,000		0	0	0	0	1	Column.	
Milision Bay Watershed - lecolote Creek - IMDL Cost 2007 Design cost Capital cost 0 Micost # of units Project # Comments Street Sweeping \$0<			Miss	an Davi Matanahad	Tecolote On			-1			
2007 Design Cost Capital cost Oxin Cost # of units Project # Comments Green Lot \$00	2007	Designeess	MISS	ion Bay Watershed -	- Tecolote Cr		DL Co	st		C	
Silver Solution <	2007 Street Sweening	Design cost		O&M COSt	# of units	Project #				Comments	
Green Lob 30 30 30 0 Green Mall \$0 \$0 \$0 0 Rain Barrells \$0 \$0 \$0 0 Bioretention/Restoration \$0 \$0 \$0 0 Diversions \$0 \$0 \$0 0 Trash Segregation \$0 \$0 \$0 0 Hydrodynamic Separators \$0 \$0 \$0 0 Street Sweeping \$0 \$0 \$0 0 0 Green Mall \$486,000 \$0 \$0 0 0 Green Street \$283,000 \$0 \$0 0 0 Green Street \$283,000 \$0 \$0 0 0 Green Mall \$486,000 \$0 \$0 0 0 Bioretention/Restoration \$0 \$0 \$0 0 0 Bioretention/Restoration \$0 \$0 \$0 0 0 Bioretention/Restoration	Groop Lot	\$0	\$U	\$U \$0	0						
Green Mail Stor Stor Stor Rain Barrells \$0 \$0 \$0 \$0 \$0 Bioretention/Restoration \$0 \$0 \$0 \$0 \$0 Diversions \$0 \$0 \$0 \$0 \$0 \$0 Trash Segregation \$0 \$0 \$0 \$0 \$0 \$0 Hydrodynamic Separators \$0 \$0 \$0 \$0 \$0 \$0 Street Sweeping \$0 \$0 \$0 \$0 \$0 \$0 Green Mail \$486,000 \$0 \$0 \$0 \$0 \$0 Green Street \$283,000 \$0 \$0 \$0 \$0 \$0 Green Mail \$486,000 \$0 \$0 \$0 \$0 \$0 \$0 Green Mail \$486,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 Diversions \$0 \$0 \$0 \$0 \$0 \$0 \$0 </td <td>Green Street</td> <td>\$U ¢0</td> <td><u>ቅሀ</u> ድስ</td> <td>\$U</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Green Street	\$U ¢0	<u>ቅሀ</u> ድስ	\$U	0						
Constraint Constra	Green Mall	ዓር በ2	پر ۵۵	\$0 \$0	0						
Number of the second	Rain Barrells	φ \$0	0\$	\$0	0						
Diversions So	Bioretention/Restoration	\$0	\$0	\$0	0						
Trash Segregation \$0	Diversions	\$0 \$0	\$0	\$0	0						
Hydrodynamic Separators \$0 \$0 \$0 \$0 0 2008 Design cost Capital cost O&M cost # of units Project # Comments Street Sweeping \$0 \$0 \$0 \$0 0 Comments Green Lot \$0 \$0 \$0 \$0 \$0 0 Comments Green Street \$283,000 \$0 \$0 \$0 0 Comments Bioretention/Restoration \$0 \$0 \$0 \$0 0 Comments Bioretention/Restoration \$0 \$0 \$0 \$0 0 Comments Hydrodynamic Separators \$0 \$0 \$0 \$0 0 Comments Street Sweeping \$0 \$0 \$0 \$0 0 Comments Street Sweeping \$0 \$0 \$0 \$0 \$0 Comments Street Sweeping \$0 \$0 \$0 \$0 \$0 \$0 \$0 Green	Trash Segregation	\$0	\$0	\$0	0						
2008Design costCapital costO&M cost# of unitsProject #CommentsStreet Sweeping\$0	Hydrodynamic Separators	\$0	\$0	\$0	0						
2008Design costCapital costO&M cost# of unitsProject #CommentsStreet Sweeping\$0\$0\$0\$0\$0\$0Green Lot\$283,000\$0\$0\$0\$0\$0Green Street\$283,000\$0\$0\$0\$0\$0Green Mall\$486,000\$0\$0\$0\$0\$0Bioretention/Restoration\$0\$0\$0\$0\$0Diversions\$0\$0\$0\$0\$0Trash Segregation\$0\$0\$0\$0\$0Hydrodynamic Separators\$0\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0Green Lot\$0\$0\$0\$0\$0Green Street\$308,000\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0Green Street\$308,000\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0Green Street\$308,000\$0\$0\$0\$0Green Street\$308,000\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0Green Street\$308,000\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0Green Street\$308,000\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0 <td></td>											
Street Sweeping \$0 \$0 \$0 \$0 \$0 Green Lot \$0 </th <th>2008</th> <th>Design cost</th> <th>Capital cost</th> <th>O&M cost</th> <th># of units</th> <th>Project #</th> <th></th> <th></th> <th></th> <th>Comments</th> <th></th>	2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Green Lot \$0 \$0 \$0 \$0 \$0 Green Street \$283,000 \$0 \$0 0	Street Sweeping	\$0	\$0	\$0	0						
Green Street \$283,000 \$00 \$00 \$00 \$00 Green Mall \$486,000 \$00<	Green Lot	\$0	\$0	\$0	0						
Green Mail \$486,000 \$0 \$0 0 0 Rain Barrells \$0 \$0 \$0 0	Green Street	\$283,000	\$0	\$0	0						
Rain Barrells\$0\$0\$0\$0Bioretention/Restoration\$0\$0\$0\$0\$0Diversions\$0\$0\$0\$0\$0\$0Trash Segregation\$0\$0\$0\$0\$0\$0Hydrodynamic Separators\$0\$0\$0\$0\$0\$0TextTextCapital cost\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0\$0Green Lot\$0\$0\$0\$0\$0\$0Green Street\$308,000\$0\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0\$0Green Street\$308,000\$0\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0\$0Green Street\$308,000\$0\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0\$0Street Sweeping\$0\$0\$0\$0\$0\$0Street Street\$308,000\$0\$0\$0\$0\$0Street Street\$308,000\$0\$0\$0\$0\$0Street Street\$308,000\$0\$0\$0\$0\$0Street Street Street\$308,000\$0\$0\$0\$0\$0Street Street Str	Green Mall	\$486,000	\$0	\$0	0						
Bioretention/Restoration \$0 \$0 \$0 0 0 Diversions \$0 \$0 \$0 0 0 Trash Segregation \$0 \$0 \$0 0 0 Hydrodynamic Separators \$0 \$0 \$0 0 0 Hydrodynamic Separators \$0 \$0 \$0 0 0 Low Low Low Low Low Low Low Street Sweeping \$0 \$0 \$0 \$0 0 Comments Green Lot \$0 \$0 \$0 \$0 \$0 Comments Green Street \$308,000 \$0 \$0 \$0 Low Low	Rain Barrells	\$0	\$0	\$0	0						
Diversions \$0 \$0 \$0 0 0 Trash Segregation \$0 \$0 \$0 0 0 Hydrodynamic Separators \$0 \$0 \$0 0 0 Hydrodynamic Separators \$0 \$0 \$0 0 0 Image: Separators \$0 \$0 \$0 0 0 2009 Design cost Capital cost O&M cost # of units Project # Comments Street Sweeping \$0 \$0 \$0 0	Bioretention/Restoration	\$0	\$0	\$0	0						
Trash Segregation \$0 \$0 \$0 0 0 Hydrodynamic Separators \$0	Diversions	\$0	\$0	\$0	0						
Hydrodynamic Separators Sto Sto Sto Sto Sto 2009 Design cost Capital cost O&M cost # of units Project # Comments Street Sweeping Sto Sto Sto O O Green Lot Sto Sto Sto O Green Street State Sto Sto O	Trash Segregation	\$U \$0	\$U	\$U	0						
2009Design costCapital costO&M cost# of unitsProject #CommentsStreet Sweeping\$0\$0\$0\$00\$0Green Lot\$0\$0\$0\$00\$0Green Street\$308,000\$0\$0\$00\$0Comments\$0\$0\$0\$0\$0\$0	Hydrodynamic Separators	φU	\$ 0	\$0	0						
Street Sweeping \$0 \$0 \$0 0 Green Lot \$0 \$0 \$0 0 Green Street \$308,000 \$0 \$0 0	2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Green Lot \$0 \$0 \$0 0 Green Street \$308,000 \$0 \$0 0	Street Sweeping	\$0	\$0	\$0	0						
Green Street \$308,000 \$0 0	Green Lot	\$0	\$0	\$0	0						
	Green Street	\$308,000	\$0	\$0	0						
Green Mali \$529,000 \$0 \$0 0	Green Mall	\$529,000	\$0	\$0	0						
Rain Barrells \$0 \$0 0	Rain Barrells	\$0	\$0	\$0	0						
Bioretention/Restoration \$0 \$0 \$0 0	Bioretention/Restoration	\$0	\$0	\$0	0						
Diversions \$0 \$0 \$0 0	Diversions	\$0	\$0	\$0	0						
Trash Segregation \$6,000 \$0 0	Trash Segregation	\$6,000	\$0	\$0	0						
Hydrodynamic Separators \$70,000 \$0 \$0 0	Hydrodynamic Separators	\$70,000	\$0	\$0	0						

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$714,000	\$0	1		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$308,000	\$1,885,000	\$0	1	3	
Green Mall	\$529,000	\$3,240,000	\$0	1	4	
Rain Barrells	\$0	\$0	\$0	0		
Bioretention/Restoration	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$0	\$0	0		
Hydrodynamic Separators	\$70,000	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$777,000	\$8,000	1		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$308,000	\$2,052,000	\$19,000	1	6	
Green Mall	\$529,000	\$3,526,000	\$33,000	1	7	
Rain Barrells	\$0	\$0	\$0	0		
Bioretention/Restoration	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$40,000	\$0	1	3	
Hydrodynamic Separators	\$70,000	\$462,000	\$0	1	8	
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
2007	\$0	\$0	\$0	\$0		
2008	\$769,000	\$0	\$0	\$769,000		
2009	\$913,000	\$0	\$0	\$913,000		
2010	\$913,000	\$5,839,000	\$0	\$6,752,000		
2011	\$913,000	\$6,857,000	\$60,000	\$7,830,000		
Total	\$3,508,000	\$12,696,000	\$60,000	\$16,264,000		

		Mis	sion Bay Watershe	d - La Jolla -	TMDL C	ost				
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		0	0	0	1	1		
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0	1	0	0	0	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0	0	1	1	required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0	0	0	0	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0	0	0	0	units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	maintenance of the BMP	0	0	0	0	0	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the	0	1	0	0	0	activity in the #	
Trash Segregation		\$27,000	previous years	0	0	0	0	1	of units	
Hydrodynamic Separators		\$312,000		0	0	0	0	0	Column.	
										•
		Mis	sion Bay Watershe	d - La Jolla - ˈ	TMDL C	ost				
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$194,000	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$172,000	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Hydrodynamic Separators	\$0	\$0	\$0	0						
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$1,293,000	\$0	1	1					
Green Street	\$283,000	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$0	\$1,145,000	\$0	4	2					
Trash Segregation	\$0	\$0	\$0	0						
Hydrodynamic Separators	\$0	\$0	\$0	0						
0000	Destaurant	Opuital anat		the function	Droinot #				Commonto	
2009 Street Sweeping			O&M Cost	# of units	Project #				Comments	
Green Lot	پ ۵ ۵	30 \$0	φυ \$13.000	0						
Green Street	00 \$308 000	ψ0 02	\$13,000	0						
Green Mall	\$000,000	ው ፍበ	40 \$0	0						
Rain Barrells	\$0	\$0 \$0	\$0	0						
Smart Irrigation systems	\$0	\$0 \$0	\$0	0						
Diversions	\$0	\$0 \$0	\$12.000	0						
Trash Segregation	\$6.000	\$0	\$0	0						
Hydrodynamic Separators	\$0,000	\$0 \$0	\$0	0						
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2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$714,000	\$0	1		
Green Lot	\$0	\$0	\$13,000	0		
Green Street	\$308,000	\$1,885,000	\$0	1	6	
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$12,000	0		
Trash Segregation	\$6,000	\$0	\$0	0		
Hydrodynamic Separators	\$0	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$777,000	\$8,000	1		
Green Lot	\$0	\$0	\$13,000	0		
Green Street	\$308,000	\$2,052,000	\$19,000	1	9	
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$12,000	0		
Trash Segregation	\$6,000	\$40,000	\$0	1	3	
Hydrodynamic Separators	\$0	\$0	\$0	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
2007	\$366,000	\$0	\$0	\$366,000		
2008	\$283,000	\$2,438,000	\$0	\$2,721,000		
2009	\$314,000	\$0	\$25,000	\$339,000		
2010	\$314,000	\$2,599,000	\$25,000	\$2,938,000		
2011	\$314,000	\$2,869,000	\$52,000	\$3,235,000		
Total	\$1,591,000	\$7,906,000	\$102,000	\$9,599,000		

			Los penasquit	os - TMDL C	ost					
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		C	0 0	0	0	0		
Green Lot		\$1,154,000	It is equivalent to the 2 % of	C	0 0	0	0	0	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	C	0 0	0	0	0	required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	C	0 0	0	0	0	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	C	0 0	0	0	0	units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	maintenance of the BMP	C	0 0	0	0	0	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the	C) 0	0	0	0	activity in the #	
Trash Segregation		\$27,000	previous years	C	0 0	0	0	1	of units	
Hydrodynamic Separators		\$312,000		C	0 0	0	0	1	Column.	
			Los Penasquit	os - TMDL C	ost					
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	C)					
Green Lot	\$0	\$0	\$0	C)					
Green Street	\$0	\$0	\$0	C)					
Green Mall	\$0	\$0	\$0	C)					
Rain Barrells	\$0	\$0	\$0	C)					
Smart Irrigation systems	\$0	\$0	\$0	C)					
Diversions	\$0	\$0	\$0	C)					
Trash Segregation	\$0	\$0	\$0	C)					
Hydrodynamic Separators	\$0	\$0	\$0	C)					
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	S0	50 Solin Cost	<i>"</i> or units					Comments	
Green Lot	\$0	\$0 \$0	\$0)					
Green Street	\$0	\$0 \$0	\$0)					
Green Mall	\$0	\$0 \$0	\$0)					
Rain Barrells	\$0	\$0	\$0 \$0))					
Smart Irrigation systems	\$0	\$0 \$0	\$0)					
Diversions	\$0	\$0	\$0)					
Trash Segregation	\$0	\$0	\$0	0)					
Hydrodynamic Separators	\$0	\$0	\$0 \$0	0)					
	ψu	ψu	\$							
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	C)					
Green Lot	\$0	\$0	\$0	C)					
Green Street	\$0	\$0	\$0	C)					
Green Mall	\$0	\$0	\$0	C)					
Rain Barrells	\$0	\$0	\$0	C)					
Smart Irrigation systems	\$0	\$0	\$0	C)					
Diversions	\$0	\$0	\$0	C)					
Trash Segregation	\$6,000	\$0	\$0	C)					
Hydrodynamic Separators	\$70,000	\$0	\$0	C)					
· · · · ·		· · ·								

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$0	\$0	0		
Hydrodynamic Separators	\$70,000	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$40,000	\$0	1	3	
Hydrodynamic Separators	\$70,000	\$462,000	\$0	2	4	
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		

Total Calculations	Design Cost	Capital Cost	O&IVI COST	Total / Year
2007	\$0	\$0	\$0	\$0
2008	\$0	\$0	\$0	\$0
2009	\$76,000	\$0	\$0	\$76,000
2010	\$76,000	\$0	\$0	\$76,000
2011	\$76,000	\$502,000	\$0	\$578,000
Total	\$228,000	\$502,000	\$0	\$730,000

San Diego River - TMDL Cost										
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		0	0 0	0	0	0		
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0	0 0	0	0	0	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0 0	0	0	0	required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0) 0	0	0	0	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0 0	0	0	0	units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	maintenance of the BMP	0	0 0	0	0	0	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the	0) 0	0	0	0	activity in the #	
Trash Segregation		\$27,000	previous years	0	0 0	0	0	1	of units	
Hydrodynamic Separators		\$312,000		0	0 0	0	0	1	Column.	
			San Diego Riv	er - TMDL Co	ost					
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0)					
Green Lot	\$0	\$0	\$0	0)					
Green Street	\$0	\$0	\$0	0)					
Green Mall	\$0	\$0	\$0	0)					
Rain Barrells	\$0	\$0	\$0	0)					
Smart Irrigation systems	\$0	\$0	\$0	0)					
Diversions	\$0	\$0	\$0	0)					
Trash Segregation	\$0	\$0	\$0	0)					
Hydrodynamic Separators	\$0	\$0	\$0	0)					
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0)					
Green Lot	\$0	\$0	\$0	0)					
Green Street	\$0	\$0	\$0	C)					
Green Mall	\$0	\$0	\$0	C)					
Rain Barrells	\$0	\$0	\$0	C)					
Smart Irrigation systems	\$0	\$0	\$0	C)					
Diversions	\$0	\$0	\$0	C)					
Trash Segregation	\$0	\$0	\$0	C)					
Hydrodynamic Separators	\$0	\$0	\$0	C)					
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0)					
Green Lot	\$0	\$0	\$0	C)					
Green Street	\$0	\$0	\$0	C)					
Green Mall	\$0	\$0	\$0	0)					
Rain Barrells	\$0	\$0	\$0	0)					
Smart Irrigation systems	\$0	\$0	\$0	C)					
Diversions	\$0	\$0	\$0	C)					
Trash Segregation	\$6,000	\$0	\$0	C)					
Hydrodynamic Separators	\$139,000	\$0	\$0	0)					

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$0	\$0	0		
Hydrodynamic Separators	\$139,000	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$40,000	\$0	1	3	
Hydrodynamic Separators	\$139,000	\$924,000	\$0	2	4	
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		

Total Calculations	Design Cost	Capital Cost	O&M Cost	l otal / Year
2007	\$0	\$0	\$0	\$0
2008	\$0	\$0	\$0	\$0
2009	\$145,000	\$0	\$0	\$145,000
2010	\$145,000	\$0	\$0	\$145,000
2011	\$145,000	\$964,000	\$0	\$1,109,000
Total	\$435,000	\$964,000	\$0	\$1,399,000

San Dieguito - TMDL Cost										
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		0	0	0	0	C)	
Green Lot		\$1,154,000	It is equivalent to the 2 %	0	0	0	0	C	Enter the	
Green Street	It is equivalent to	\$1,386,000	of the Capital Cost of the	0	0	0	0	C	required	
Green Mall	15 % 0f the	\$2,382,000	BMP implemented in the	0	0	0	0	C	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	previous year and	0	0	0	0	C) units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	continuing maintenance of	0	0	0	0	1	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	the BMP corresponding to	0	0	0	0	C	activity in the #	
Trash Segregation		\$27,000	the previous years	0	0	0	0	1	of units	
Hydrodynamic Separators		\$312,000		0	0	0	0	1	Column.	
			San Diegui	to - TMDL Co	st					
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Hydrodynamic Separators	\$0	\$0	\$0	0						
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Hydrodynamic Separators	\$0	\$0	\$0	0						
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$12,000	\$0	\$0	0						
	\$0	\$0 \$2	\$0	0						
I rash Segregation	\$6,000	\$0	\$0	0						
Hydrodynamic Separators	\$70,000	\$0	\$0	0						

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$12,000	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$0	\$0	0		
Hydrodynamic Separators	\$70,000	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$12,000	\$74,000	\$0	1	5	
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$40,000	\$0	1	3	
Hydrodynamic Separators	\$70,000	\$462,000	\$0	1	4	
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		
2007	\$0	\$0	\$0	\$0		
2008	\$0	\$0	\$0	\$0		
2009	\$88,000	\$0	\$0	\$88,000		
2010	\$88,000	\$0	\$0	\$88,000		
2011	\$88,000	\$576,000	\$0	\$664,000		
Total	\$264,000	\$576,000	\$0	\$840,000]	

Tijuana - TMDL Cost										
BMPs	Design cost	Capital cost	O&M cost	2007	2008	2009	2010	2011	# of units	Comments
Street Sweeping		\$525,000		0	0	0	0 0	0		
Green Lot		\$1,154,000	It is equivalent to the 2 % of	0	0	0	0 0	0	Enter the	
Green Street	It is equivalent to	\$1,386,000	the Capital Cost of the BMP	0	0	0	0 0	0	required	
Green Mall	15 % 0f the	\$2,382,000	implemented in the previous	0	0	0	0 0	0	number of	Enter 0 for none and 1
Rain Barrells	Capital cost in	\$1,553,000	year and continuing	0	0	0	0 0	0	units for the	for yes under the
Smart Irrigation systems	the Following	\$50,000	maintenance of the BMP	0	0	0	0 0	0	corresponding	respective Fiscal Years.
Diversions	Year	\$773,000	corresponding to the	0	0	0	0	0	activity in the #	
Trash Segregation		\$27,000	previous years	0	0	0	0 0	1	of units	
Sediment and peak flow Project		\$312,000		0	0	0	0 0	0	Column.	
			Tijuana - 1	MDL Cost						
2007	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0	1					
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0	1					
Sediment and peak flow Project	\$0	\$0	\$0	0						
2008	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0						
Rain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0						
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$0	\$0	\$0	0						
Sediment and peak flow Project	\$0	\$0	\$0	0						
2009	Design cost	Capital cost	O&M cost	# of units	Project #				Comments	
Street Sweeping	\$0	\$0	\$0	0						
Green Lot	\$0	\$0	\$0	0						
Green Street	\$0	\$0	\$0	0						
Green Mall	\$0	\$0	\$0	0	1					
Kain Barrells	\$0	\$0	\$0	0						
Smart Irrigation systems	\$0	\$0	\$0	0	1					
Diversions	\$0	\$0	\$0	0						
Trash Segregation	\$6,000	\$0	\$0	0						
Sediment and peak flow Project	\$0	\$0	\$0	0						

2010	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$0	\$0	0		
Sediment and peak flow Project	\$0	\$0	\$0	0		
2011	Design cost	Capital cost	O&M cost	# of units	Project #	Comments
Street Sweeping	\$0	\$0	\$0	0		
Green Lot	\$0	\$0	\$0	0		
Green Street	\$0	\$0	\$0	0		
Green Mall	\$0	\$0	\$0	0		
Rain Barrells	\$0	\$0	\$0	0		
Smart Irrigation systems	\$0	\$0	\$0	0		
Diversions	\$0	\$0	\$0	0		
Trash Segregation	\$6,000	\$40,000	\$0	1	3	
Sediment and peak flow Project	\$0	\$0	\$0	0		
Total Calculations	Design Cost	Capital Cost	O&M Cost	Total / Year		

Total Calculations	Design Cost	Capital Cost	O&M Cost	l otal / Year
2007	\$0	\$0	\$0	\$0
2008	\$0	\$0	\$0	\$0
2009	\$6,000	\$0	\$0	\$6,000
2010	\$6,000	\$0	\$0	\$6,000
2011	\$6,000	\$40,000	\$0	\$46,000
Total	\$18,000	\$40,000	\$0	\$58,000