

2017 City of New Braunfels Work Plan

EAHCP Implementing Committee
May 19, 2016



City of New Braunfels HCP Projects

- **Flow-Split Management (5.2.1)**
- **Old Channel Aquatic Restoration (5.2.2.1)**
- Comal River/ Landa Lake Aquatic Restoration (5.2.2.2)
- Management of Public Recreation (5.2.3)
- **Decaying Vegetation and Dissolved Oxygen Management (5.2.4)**
- Non-Native Animal Species Control (5.2.5 & 5.2.9)
- Monitoring and Reduction of Gill Parasites (5.2.6 & 6.3.6)
- Prohibition of Hazardous Materials Transport Routes (5.2.7)
- Native Riparian Habitat Restoration-Riffle Beetle (5.2.8)
- **Litter and Floating Vegetation Management (5.2.10)**
- Management of Golf Course Diversions and Operations (5.2.11)
- Native Riparian Habitat Restoration-Old Channel (5.7.1)
- **Management of Household Hazardous Wastes (5.7.5)**
- **Impervious Cover/ Water Quality Protection/ LID (5.7.6)**

City of New Braunfels-2017 HCP Budget

HCP Section	HCP Measure	Revised 7.1 Budget for 2017	Proposed 2017 Budget	Delta
5.2.1	Flow Split Management	0	2,500	+2,500
5.2.2.1	Old Channel Restoration	125,000	135,000	+10,000
5.2.2.2/ 5.2.2.3	Aquatic Vegetation Restoration	100,000	100,000	0
5.2.4	Decaying Vegetation Removal & Dissolved Oxygen Management	15,000	15,000	0
5.2.5/5.2.9	Non-native Animal Species Control	55,000	55,000	0
5.2.6/6.3.6	Gill Parasite Control	30,000	30,000	0
5.2.7	Prohibition of Hazardous Material Routes	0	0	0
5.2.8	Native Riparian /Riparian Improvement (Riffle beetle Habitat Protection)	25,000	25,000	0
5.2.10	Litter Control and Floating Vegetation Management	0	30,000	+30,000
5.2.11	Golf Course Management	0	0	0
5.7.1	Restoration of Riparian Zones	50,000	50,000	0
5.7.5	Household Hazardous Waste Program	0	30,000	+30,000
5.7.6	Impervious Cover/ Water Quality Protection/ LID	85,000	10,000	(75,000)
	Total	\$485,000	\$482,500	(\$2,500)

Flow-Split Management (5.2.1)

- **2017 Goals:**

- 1) Continue to operate control gate to meet flow objectives in Table 5-3, as approved by the USFWS, or other flow criteria pending the Submerged Aquatic Vegetation study.
- 2) Inspect flow-control structures for functionality and maintain as needed.

- **Delta from Table 7.1:** +\$2,500 (transfer coming from the WQ/ LID budget)

- **Reason for Budget Increase:**

To solicit available funds to address any maintenance issues associated with flow-control structures.

Old Channel Aquatic Vegetation Restoration (5.2.2.1)

- **2017 Goals:**

- To be determined based on Submerged Aquatic Vegetation study

- **Delta from Table 7.1:** +\$10,000 (transfer coming from the WQ/ LID budget)

- **Reason for Budget Increase:**

To continue aquatic restoration efforts based on previous experience and budget. Increased budget is associated with the need to increase planting effort due to increased available planting area.

Funding available due to decreased budget for Task 5.7.6.

Decaying Vegetation and Dissolved Oxygen Management (5.2.4)

- **2017 Goals:**

Develop a comprehensive dissolved oxygen (DO) management plan for Landa Lake. The plan will consider DO data collected to date, prediction of DO levels during drought (to 30 cfs), and present feasible and cost effective DO mitigation strategies.

CoNB will continue to operate aerator units and clear floating vegetation mats during periods of low DO to mitigate low DO.

- **Delta from Table 7.1:** \$0 (no budget increase)
- EAA will resume DO monitoring currently being conducted by SWCA on behalf of CoNB.

Litter and Floating Vegetation Management (5.2.10)

- **2017 Goals:**

Continue efforts to dislodge floating vegetation mats and remove litter from applicable portions of the Comal River system to prevent negative impacts to flow control structures, aquatic restoration areas, and Covered Species habitat. Vegetation control also mitigates low dissolved oxygen levels.

- **Delta from Table 7.1:** \$30,000 (Transfer coming from the WQ/ LID budget)

- **Reason for Budget Increase:**

Funding not included in Table 7.1 for this task. Ongoing annual funding for this task was approved by the Implementing Committee in 2013. The City of NB has been able to reduce budget in 2016 from \$40K to \$30K. Funding available in 2017 for this task due to decrease in budget for Task 5.7.6.

Mgmt of Household Hazardous Waste (5.7.5)

- **2017 Goals:**

Continue HHW program to include three HHW collection events. CoNB will tentatively hold additional HHW collection event pending available City budget.

- **Delta from Revised Table 7.1:** +\$30,000 (Transfer coming from the WQ/ LID budget)

- **Reason for Budget Increase:**

Funding for HHW in 2017 was initially allocated for the Bank Stabilization project in 2016. As funding associated with Task 5.7.6 was decreased, funds were available to support the HHW tasks. The HCP specifies requirements for a four-times per year program.

Funding available in 2017 for this task due to decrease in budget for Task 5.7.6.

Impervious Cover/ Water Quality Protection/ LID Program (5.7.6)

- **2017 Goals:**

1. CoNB will continue development of the LID Rebate Program as is has been developed to date.
2. Explore additional water quality management strategies intended to meet the requirements set forth in section 5.7.6 of the EAHCP.

- **Delta from Revised Table 7.1: (-\$75,000)**

- Budget transferred to other 2017 measures

- **Proposed 2017 Budget:**

\$10,000

City of New Braunfels-2017 HCP Budget

HCP Section	HCP Measure	Revised 7.1 Budget for 2017	Proposed 2017 Budget	Delta
5.2.1	Flow Split Management	0	2,500	+2,500
5.2.2.1	Old Channel Restoration	125,000	135,000	+10,000
5.2.2.2	Aquatic Vegetation Restoration	100,000	100,000	0
5.2.4	Decaying Vegetation Removal & Dissolved Oxygen Management	15,000	15,000	0
5.2.5/5.2.9	Non-native Animal Species Control	55,000	55,000	0
5.2.6/6.3.6	Gill Parasite Control	30,000	30,000	0
5.2.7	Prohibition of Hazardous Material Routes	0	0	0
5.2.8	Native Riparian /Riparian Improvement (Riffle beetle Habitat Protection)	25,000	25,000	0
5.2.10	Litter Control and Floating Vegetation Management	0	30,000	+30,000
5.2.11	Golf Course Management	0	0	0
5.7.1	Restoration of Riparian Zones	50,000	50,000	0
5.7.5	Household Hazardous Waste Program	0	30,000	+30,000
5.7.6	Impervious Cover/ Water Quality Protection/ LID	85,000	10,000	(75,000)
	Total	\$485,000	\$482,500	(\$2,500)