

2016 City of New Braunfels Work Plan

EAHCP Implementing Committee
May 21, 2015



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-2016 HCP Budget

HCP Section	HCP Measure	2016 Budget	2016 HCP Budget (per Table 7.1)	Delta from 7.1
5.2.1	Flow split management	43,500	30,000	+13,500
5.2.2.1	Old Channel Restoration	125,000	125,000	0
5.2.2/5.2.3	Aquatic vegetation restoration	100,000	100,000	0
5.2.4	Decaying vegetation removal & dissolved oxygen management	20,000	15,000	+5,000
5.2.5/5.2.9	Non-native animal species control	75,000	75,000	0
5.2.6/6.3.6	Gill parasite control	75,000	75,000	0
5.2.7	Prohibition of hazardous material routes	3,000	0	+3,000
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	30,000	0	+30,000
5.2.11	Golf Course Management	1,000	0	+1,000
5.7.1	Restoration of riparian zones	100,000	100,000	0
5.7.5	Household hazardous waste program	30,000	30,000	0
5.7.6	Impervious cover/ water quality/ LID program	150,000	150,000	0
	Total	\$777,500	\$725,000	\$52,500

Flow-Split Management (5.2.1)

- **2016 Goals:**

- 1) Continue to operate control gate, per established standard operating procedures, to meet flow objectives in Table 5-3.
- 2) Install two flow-control devices at the capped, 14" culverts to allow for continued flow during maintenance activities and emergency situations (culvert blockages, gate failures, etc)

- **Delta from Table 7.1:** \$13,500

- **Reason for Budget Increase:**

Additional funding needed to install a back-up flow control device



Decaying Vegetation and Dissolved Oxygen Management (5.2.4)

- **2016 Goals:**

Continue to monitor dissolved oxygen (DO) concentrations and other WQ parameters in Landa Lake. Operate aerators and associated equipment to mitigate low DO levels.

- **Delta from Table 7.1:** \$5,000

- **Reason for Budget Increase:**

Additional DO monitoring needed to evaluate effectiveness of new DO management strategy to be proposed at the end of 2015 following 2015 DO research activities.

Prohibition of Hazardous Materials Routes (5.2.7)

- **2016 Goals:**

Identify roadways and crossings where the transport of hazardous materials poses a threat to covered species. Present route prohibitions to City Council for approval. Install signage at designated locations.

- **Delta from Table 7.1:** \$3000

- **Reason for Budget Increase:**

Funding needed to install Hazardous Material Route prohibition signage.

*Funds allocated in 2013 for this task (\$10,000) have not been expended to date due to necessary time required for task planning and development

Litter and Floating Vegetation Management (5.2.8)

- **2016 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

- **Reason for Budget Increase:**

Funding is 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.

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

- **2016 Goals:**

1. Implementation of a LID and impervious cover reduction rebate/incentive program targeted at residential and commercial properties contributing runoff to endangered species habitat within the Comal River system.
2. Collaborate with NBU to fund the installation of a bioswale along Blieders Creek at its confluence with Landa Lake at the proposed Comal Springs Conservation Center.

- **Table 7.1:**

\$100,000 (for LID Program Development) + \$50,000 (for stormwater BMPs)

- **Proposed 2016 Budget:**

\$150,000 (\$95,000 for LID Stormwater Control BMPs at Comal Conservation Center and \$55,000 for LID Rebate/ Incentive Program)

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