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| --- | --- | --- | --- | --- | --- |
| **BMP** | **2005-2011 Goal** | **Goal Meet by 2011** | **2012 -2016 Goals/Progress** | **Cost/unit or acre** | **Nutrient Reductions (N & P)** |
| **1. Ag Buffers (Filter Strips, riparian herbaceous cover and Critical area plantings)** | 100 acres | 94.3 acres | All CREP $ 2015 totals: 753 acresRe-enroll 2015 totals: 230.9 acresNon-program 2015 totals: 78.7 acres | Average impl. cost for grass buffers is Cool Season $425/ac, Warm Season $500/ ac. Average impl. Cost for forested buffer is $600/ac. This does not include additional annual rental payments. | 16.92lbs/ac/yr N removal and 1.08lbs/ac/yr P removal for grass buffers and 27.28lbs/ac/yr N removal and 2.15lbs/ac/yr P removal for forested buffers.Based on the Summary of BMP Nutrient Reduction Calculations (MDA source) . |
| **2. Ag Cover Crops** | 3,000 acresAnnually | 3,374 acresAnnual avg.  | Maintain 5,500 acres annually2014-2015: 6,651.3 acres2013-2014: 5,076 acres | $45.00/acre is the base payment for cover crops with additional environmental incentives added | 9.48lbs/ac N removal and .13lbs/ac P removal for Cover Crop. 6.31lbs/ac N and .07lbs/ac P removal for Small Grain Based on the Summary of BMP Nutrient Reduction Calculations (MDA Source).  |
| **3. Implement additional BMPs on Ag land (forested and grassed waterways)** |  | Grassed:76 acres + 32.7 switch grassForested: 8.1 acres | 2015 total Grassed: 34.6 acres 2015 total Forested: (CREP and non-CREP) 26.6 acres | The cost of implementing BMPs varies depending on the type and extent of each practice. | The nutrient reduction varies depending on which BMP is implemented |
| **4. Catalog all BMPs on farms including farmer funded.**  |  |  | **125 individual parcels?** **Mike pulled all BMPS from Ag Tracker** | The cost associated with this work is included in the funding for the planner position. | Nutrient reduction for cost shared BMPs was indicated at the time the BMP was implemented. Nutrient reduction for farmer funded BMPs will be based on a functional equivalent to be determined. |
| **5. Wetland Creation/enhancement** | 50 acres | 88.3 acres |  2015 Total: 191 acres CREP creation; 35.6 acres of restoration  |  |  |
| **6. Retrofit Septic systems** | 30 systems | 16 systems | 14 systems(23 systems as of 2014) | $11,000 per system | 11-15 lbs of Nitrogen reduction per system retrofitted |
| **7. LID Projects (rain barrels/rain gardens)** | 200 | 308 RG170 RB | 100 RG (66 new)40 RB | $2,000 each$60 |  |
| **8. Easements and Land Acquisition** | 1,710acres | 5,800 | 200 (current total is 7000 acres) **9 acres for Ashley Property** | --- | --- |
| **9. Oyster Reef Replenishment** | 20 acres=100 million spat |  10 acres= 50 million spat | 100 million spat(**110 million spat as of 2014) ?** | $1 million/acre ? | N/A |
| **10. New Code and Ordinance** |  | Town- tree and pet waste ordinance County – septic pump out and lawn fertilizer maintenance in CA | Revisions to parking code requirements. |  | Reduced impervious coverage |
| **11. Establish 300 acre stormwater retrofits** | 300 | 112.54 | 187.46 | $15,000/acre | Varies per BMP since 2006- N 138lbs/yr, P19lbs/yr, sediment 1.5 tons/yr |
| **12. Establish SAV** | 10 acres | 0 | 0 |  |  |
| **13. Urban Forested**  | 200 acres | 14.3 acres | 50 acres |  |  |
| **14. Stream restoration** | 2 miles | 0 | 0.5 miles(300 ln ft completed in 2014) |  | Per LF/lbs/ft, N- 0.02, P- 0.0035, TSS 2.55 |
| **15. Living Shorelines** |  | 1555 ln/ft | 2000 ln/ft(1800 ln/ft completed or underway in ’15) |  |  |
| **16. Dam Removal/Fish Blockage** |  |  | Gravel Run: Feasibility 2012,Final Eng 2013, Construction 2015 |  |  |
|  **Street Sweeping** |  |  | 50 tons/yr sediment and debri**s ( need 2015 total)** | $25,000/year | Varies per season |