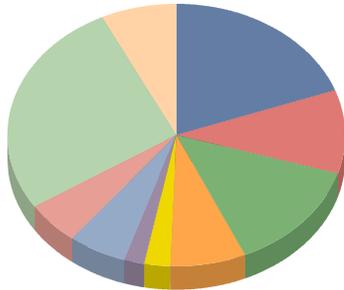


# Analysis Report

for

## NORTH LAS VEGAS WITHIN PROJECT



Land cover in acres and percentages

■ Arid & Semi-Arid Rangeland: Sagebrush: Ground cover 30% - 70%	6,009.6	19.6%
■ Impervious Surfaces: Paved	3,097.0	10.1%
■ Impervious Surfaces: Paved: Drain to sewer	4,221.4	13.7%
■ Impervious Surfaces: Unpaved: Dirt	2,232.0	7.3%
■ Open Space - Grass/Scattered Trees	702.3	2.3%
■ Open Space - Grass/Scattered Trees: Grass cover > 75%	627.9	2.0%
■ Trees: Grass/turf understory: Ground cover > 75%	1,685.9	5.5%
■ Urban: Commercial/Business	1,627.5	5.3%
■ Urban: Residential	8,267.3	26.9%
■ Urban: Western Desert	2,231.9	7.3%
■ Water Area	4.2	0.0%
Total:	30,707.0	100.0%

**Tree Canopy: 1,685.9 acres (5.5%)**

### Air Pollution Removal

Nearest air quality reference city: **Phoenix**

	<u>Lbs. Removed/yr</u>	<u>Dollar Value/yr.</u>
Carbon Monoxide:	13,525	\$6,638
Ozone:	64,620	\$228,306
Nitrogen Dioxide:	34,564	\$122,117
Particulate Matter:	108,201	\$255,229
Sulfur Dioxide:	3,006	\$2,594
<b>Totals:</b>	<b>223,916</b>	<b>\$614,884</b>

*Dollar values are based on 2009 dollars*

### Carbon Storage and Sequestration

Tons Stored (Total):	<b>72,545</b>
Tons Sequestered (Annually):	<b>565</b>

### Stormwater Management

#### Water Quantity (Runoff Volume)

2-yr, 24-hr Rainfall in inches:	1.25
Curve Number reflecting existing conditions:	85
Curve Number of replacement land cover:	86
Dominant Soil Type: <b>C</b>	
Replacement land cover type: (existing condition)	
Impervious Surfaces: Buildings/ structures	
Additional cu. ft. storage needed:	<b>5,199,700</b>
Construction cost per cu. ft.:	\$3.00

**Total Stormwater Value: \$15,599,101**

**Annual Stormwater Value: \$1,360,001**

(based on 20-year financing at 6% interest)

#### Water Quality (Contaminant Loading)

Percent change in contaminant loadings

