

**APPENDIX J**  
**CONCEPTUAL SITE MODEL**

**CONCEPTUAL SITE MODEL – MUNITIONS AND EXPLOSIVES OF CONCERN**

**Hammond Bombing and Gunnery Range  
Tangipahoa Parish, Louisiana**

Subsite/Range	Acreage*	Suspect Past DoD Activities	Potential MEC Presence	MD/MEC Found Since Closure	Previous Investigation/Clearance Actions	Post-DoD Land Use and Current Land Use	Potential Receptors	Potential Source and Receptor Interaction	Field Sampling/Qualitative Reconnaissance
<b>BOMB TARGET #1</b> (Bomb Target A <sup>(2)</sup> )	649	Practice bombing	Bomb, 100-lb., General Purpose, AN-M30 <sup>(3)</sup> Bomb, 100-lb., General Purpose, Mk 1 <sup>(3)</sup>	Small pieces of WWII era HE bomb fragments <sup>(2)</sup>	INPR Site Visit, 1995 <sup>(1)</sup> ASR Site Visit, 2002 <sup>(2)</sup>	Forestry and recreation <sup>(2)</sup>	Commercial/industrial workers, recreational users and site visitors	YES Presence of potentially hazardous MEC is confirmed or suspected and site is accessible to receptors	One soil sample (100 meter by 100 meter MIS grid) and QR; sample included 100 increments near center of range
<b>MULTIPLE USE TARGET</b>	649	Practice bombing, and aircraft rocket and gunnery practice	Bomb, 100-lb., practice, M38A2 <sup>(2)</sup> Bomb, 100-lb., practice, M85 <sup>(3)</sup> Rocket, 2.25-inch, practice, M5 <sup>(2)</sup> Signal, Spotting Charge, M1A1 <sup>(3)</sup> Small arms ammunition, .50 cal, machinegun <sup>(2, 3)</sup> Small arms ammunition, general <sup>(3)</sup>	Numerous pieces of rusted M38 bombs, portions of M1A1 spotting charges, and expended .50 caliber projectiles <sup>(2)</sup>	INPR Site Visit, 1995 <sup>(1)</sup> ASR Site Visit, 2002 <sup>(2)</sup>	Residential, forestry, and recreation <sup>(2)</sup>	Residents, commercial/industrial workers, recreational users and site visitors	YES Presence of potentially hazardous MEC is confirmed or suspected and site is accessible to receptors	Two soil samples (50 meter by 50 meter MIS grids) and QR; samples included 50 increments at "rocket area" potential AOI and southern boundary of target
<b>BOMB TARGET #2</b> (Bomb Target B <sup>(2)</sup> )	3,108	Practice bombing	Bomb, 100-lb., practice, M38A2 <sup>(2, 3)</sup> Bomb, 3-lb., practice, AN-MK4 <sup>(2)</sup> Bomb, 3-lb., practice, AN-MK5 <sup>(2, 3)</sup> Bomb, 3-lb., practice, AN-MK23 <sup>(2, 3)</sup> Bomb, 4.5-lb., practice, AN-MK43 <sup>(2, 3)</sup> Signal, Spotting Charge, M1A1 <sup>(3)</sup>	Sand-filled bomb MD, tail fins, suspension lug bands and parts of M1A1 spotting charges <sup>(2)</sup>	INPR Site Visit, 1995 <sup>(1)</sup> ASR Site Visit, 2002 <sup>(2)</sup>	Forestry and recreation <sup>(2)</sup>	Commercial/industrial workers, recreational users and site visitors	YES Presence of potentially hazardous MEC is confirmed or suspected and site is accessible to receptors	One soil sample (50 meter by 50 meter MIS grid) and QR; sample included 50 increments in center of range
<b>RIFLE RANGE</b>	999	Small arms training	Small arms ammunition, general <sup>(2, 3)</sup>	Expended .30 caliber projectiles <sup>(2)</sup> Expended .50 caliber projectile <sup>(4)</sup>	INPR Site Visit, 1995 <sup>(1)</sup> ASR Site Visit, 2002 <sup>(2)</sup>	Residential, forestry, and recreation <sup>(2)</sup>	Residents, commercial/industrial workers, recreational users and site visitors	NO Potential presence of small arms ammunition only, though site is accessible to receptors	One soil sample (50 meter by 50 meter MIS grid) and QR; sample included 50 increments near range firing point/berm
<b>GUNNERY RANGE</b>	640	Aircraft gunnery practice	Small arms ammunition, .50 cal, machinegun <sup>(3)</sup> Small arms ammunition, general <sup>(2, 3)</sup>	None	INPR Site Visit, 1995 <sup>(1)</sup> ASR Site Visit, 2002 <sup>(2)</sup>	Residential, forestry, and recreation <sup>(2)</sup>	Residents, commercial/industrial workers, recreational users and site visitors	NO Potential presence of small arms ammunition only, though site is accessible to receptors	One soil sample (50 meter by 50 meter MIS grid) and QR; sample included 50 increments at strafing targets potential AOI
<b>REMAINING LAND</b>		Non range-related areas	N/A	Expended .50 caliber projectile <sup>(4)</sup>	N/A	Residential, forestry, and recreation <sup>(2)</sup>	Residents, commercial/industrial workers, recreational users and site visitors	NO Potential presence of small arms ammunition only, though site is accessible to receptors	One soil sample in ambient area (10 meter by 10 meter MIS grid with 30 increments), one soil sample in area of cratering AOI (50 meter by 50 meter MIS grid with 50 increments), and QR
<b>TOTAL*</b>	31,112								

\* Number represents actual acreage for each individual subsite/range and includes area outside the project boundary. Total acreage, accounts for overlap of subsite/ranges and is limited to the project boundaries.

**Source**  
1 = INPR (1996)  
2 = ASR (2003)  
3 = ASR Supplement (2004)  
4 = SI Report (2008)

INPR = Inventory Project Report  
ASR = Archives Search Report  
DoD = Department of Defense  
HE = High explosive  
MD = Munitions Debris  
MEC = Munitions and Explosives of Concern  
MIS = Multi-Incremental Sample  
QR = Qualitative Reconnaissance  
SI = Site Inspection  
TBD = To be determined  
AOI = Area of Interest

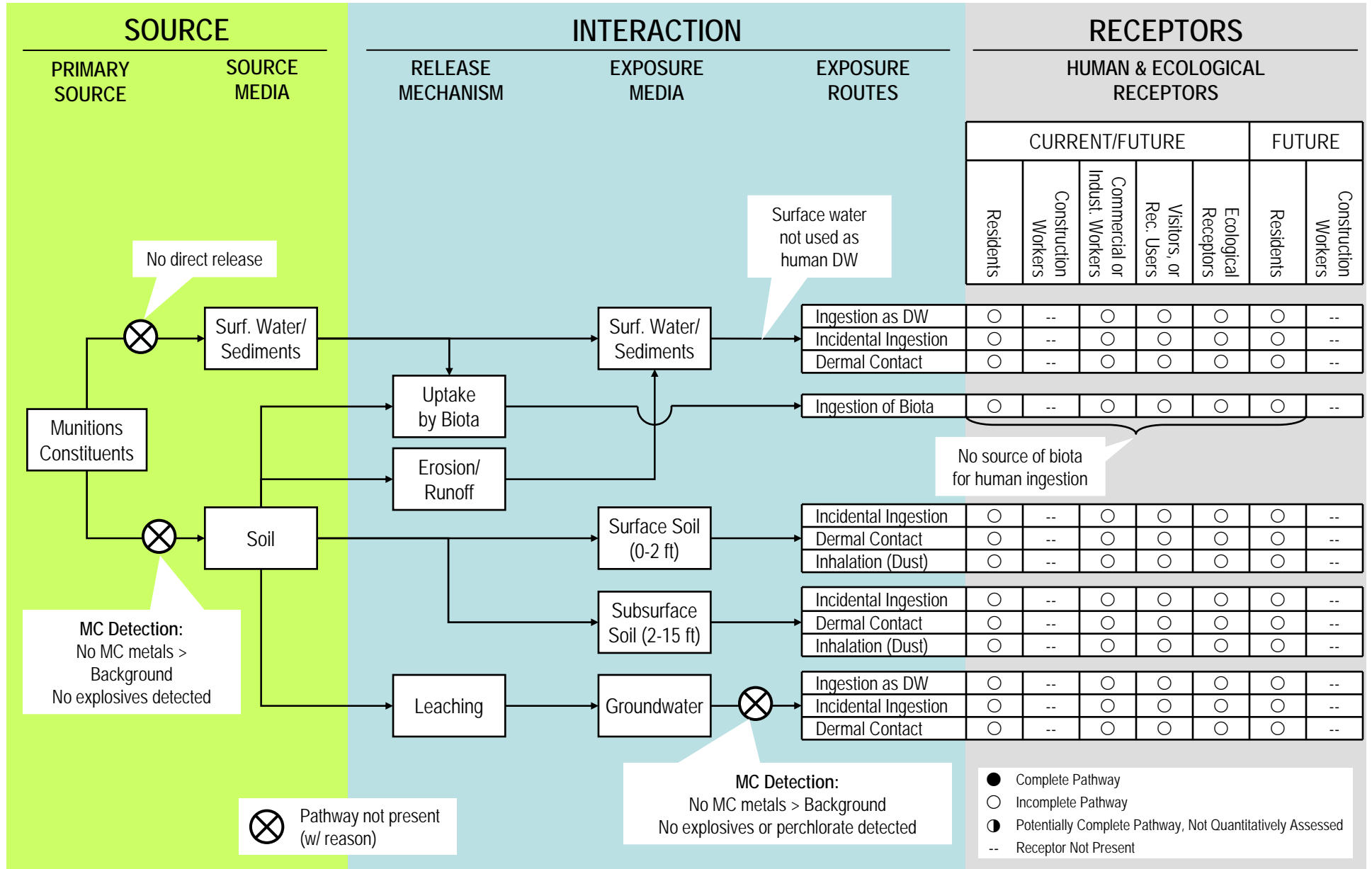


# CONCEPTUAL SITE EXPOSURE MODEL

**MRS Name:** MULTIPLE USE RANGE MRS02, HAMMOND BOMBING AND GUNNERY RANGE

**Completed By:** Liz Murrell, PARSONS

**Date Completed:** December 9, 2008

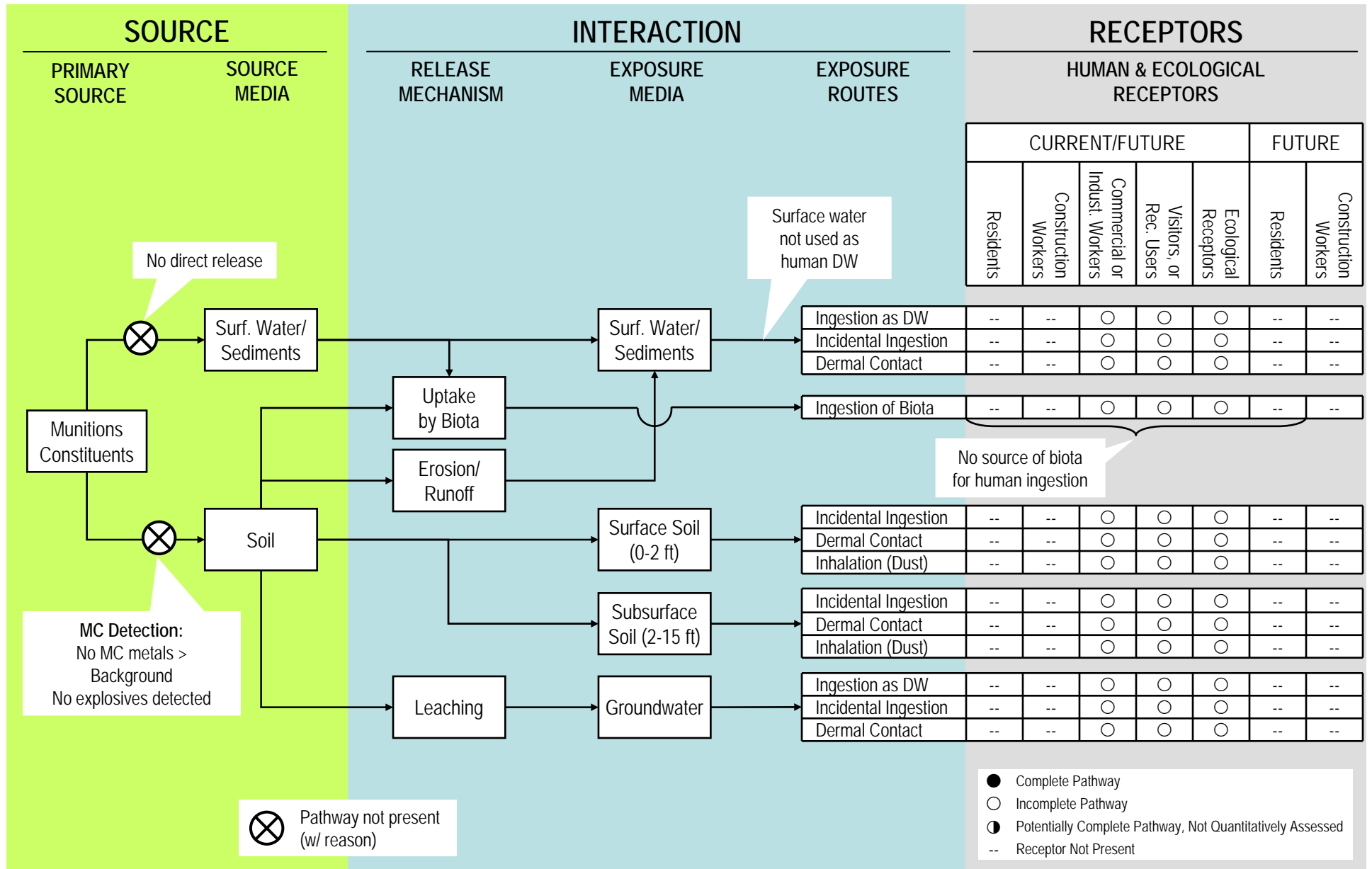


# CONCEPTUAL SITE EXPOSURE MODEL

MRS Name: BOMB TARGET #2 MRS03, HAMMOND BOMBING AND GUNNERY RANGE

Completed By: Liz Murrell, PARSONS

Date Completed: December 9, 2008





# CONCEPTUAL SITE EXPOSURE MODEL

**MRS Name:** GUNNERY RANGE MRS05, HAMMOND BOMBING AND GUNNERY RANGE

**Completed By:** Liz Murrell, PARSONS

**Date Completed:** December 9, 2008

