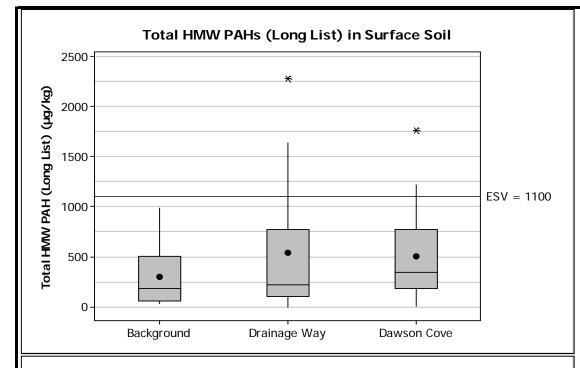
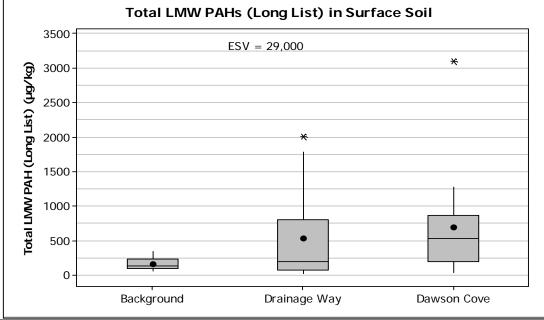


Appendix H

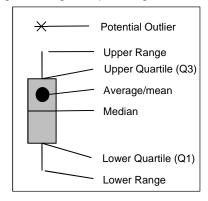
Box Plots





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Total PAH calculation excludes benzo(a)fluoranthene.
- 6. Abbreviations:

ESV = ecological screening value HMW = high molecular weight LMW = low molecular weight PAH = polycyclic aromatic hydrocarbon µg/kg = micrograms per kilogram



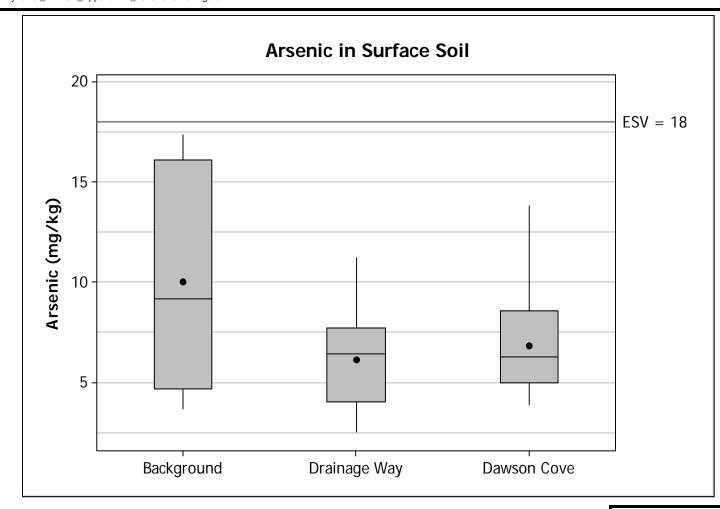
MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

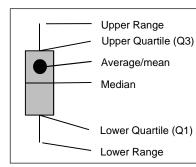
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF TOTAL PAH (LONG LIST) CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)).
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

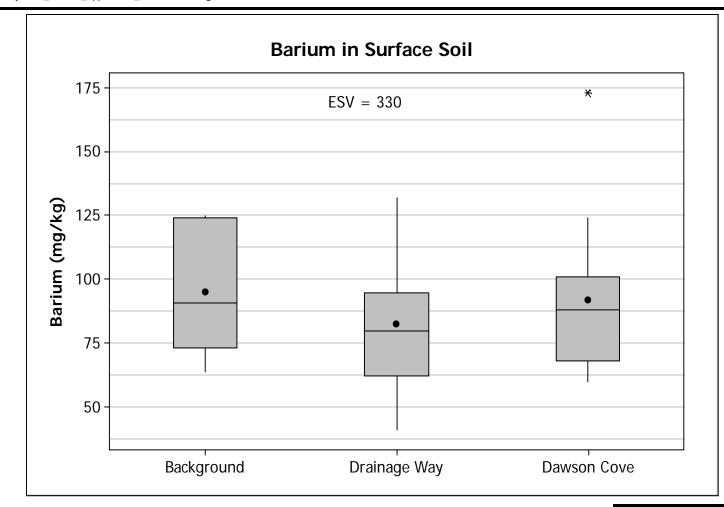
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

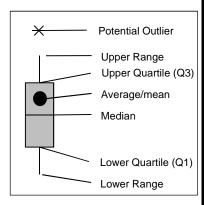
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF ARSENIC CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

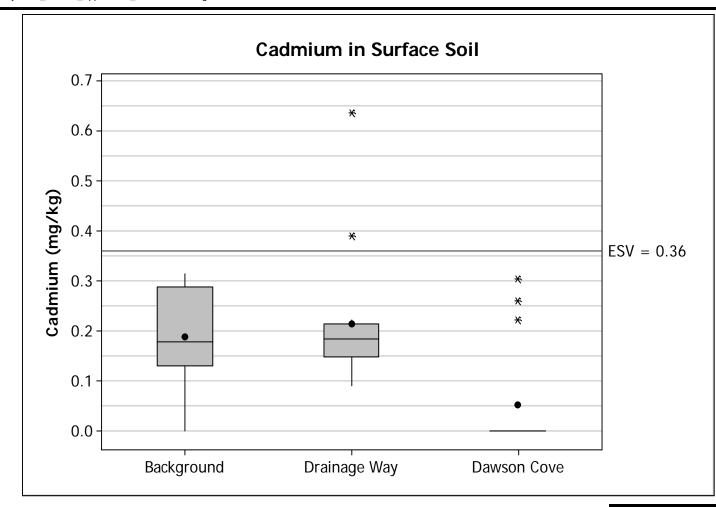
ESV = ecological screening value mg/kg = milligrams per kilogram MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

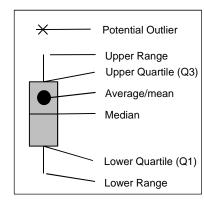
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF BARIUM CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

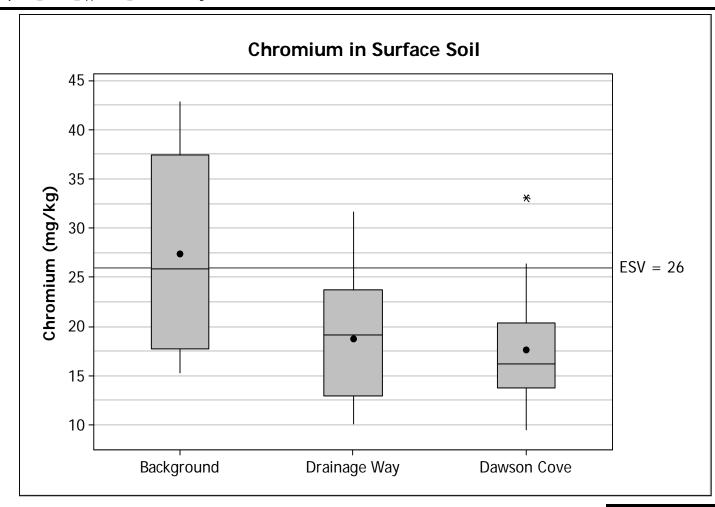
MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

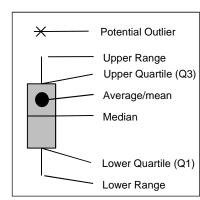
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF CADMIUM CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

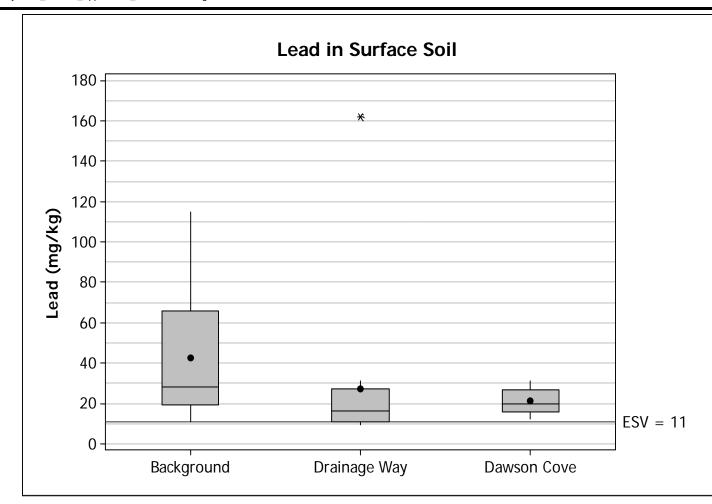
MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

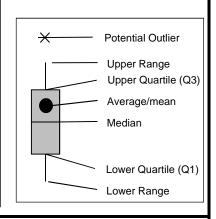
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF CHROMIUM CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

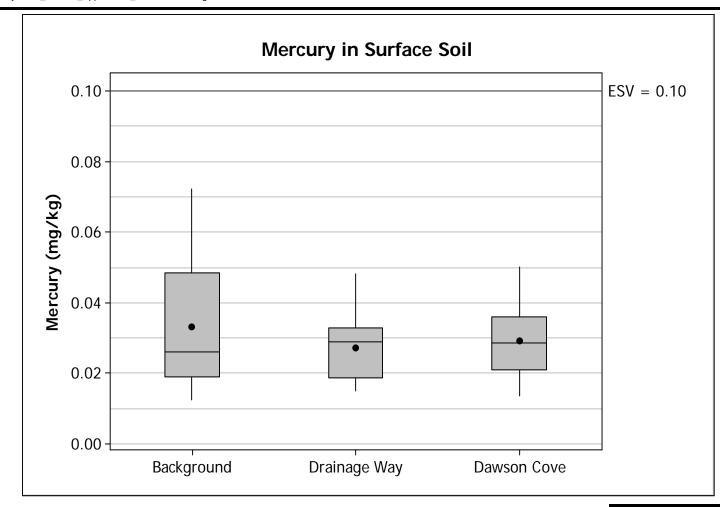
MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

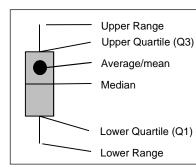
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF LEAD CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)).
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

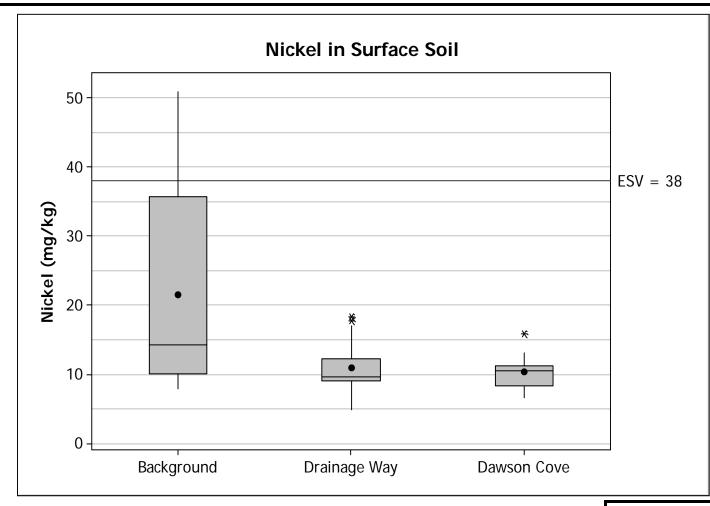
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

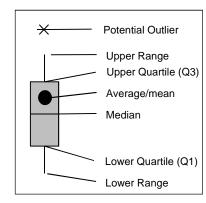
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF MERCURY CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

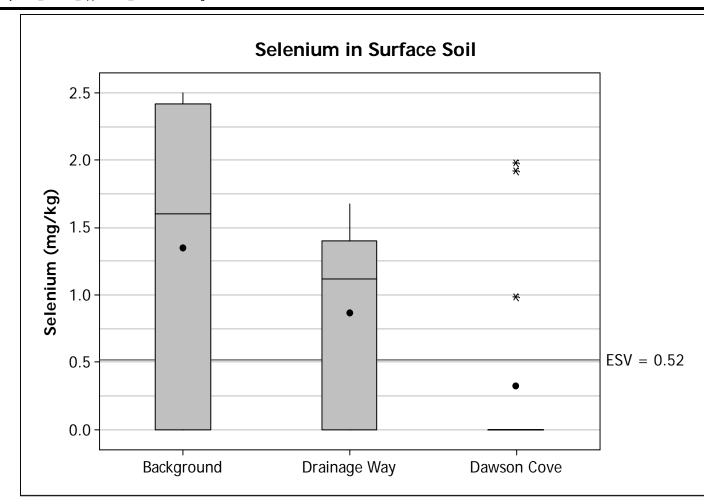
ESV = ecological screening value mg/kg = milligrams per kilogram MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

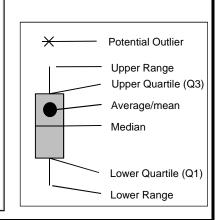
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF NICKEL CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

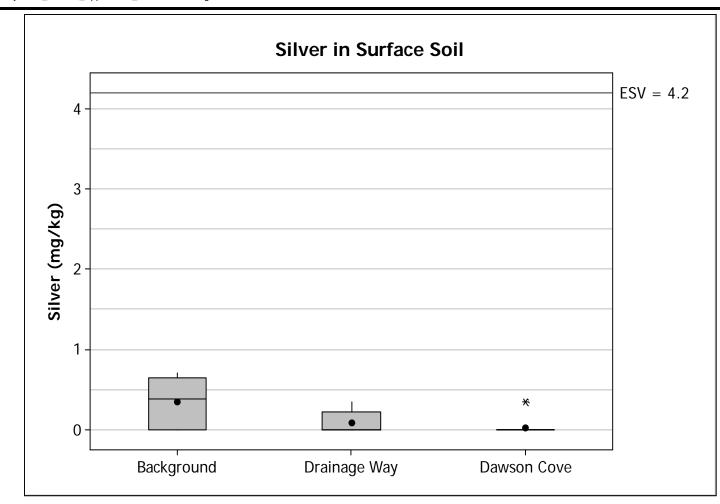
ESV = ecological screening value mg/kg = milligrams per kilogram MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

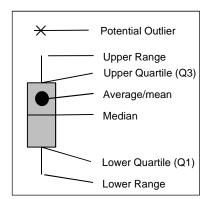
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF SELENIUM CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

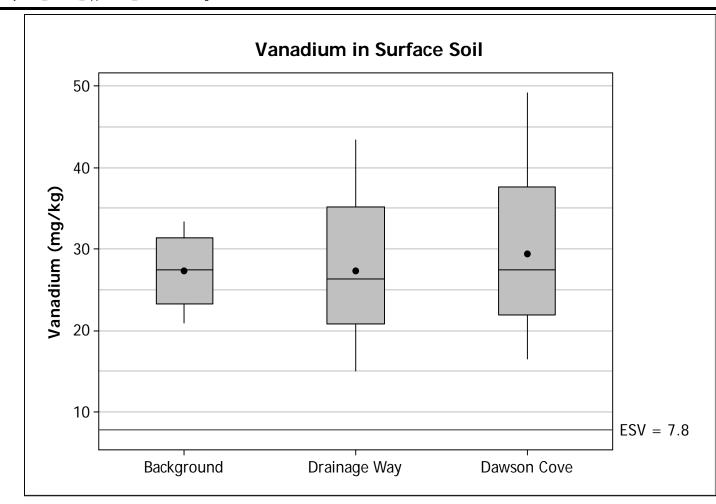
ESV = ecological screening value mg/kg = milligrams per kilogram MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

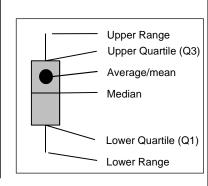
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF SILVER CONCENTRATIONS IN SOILS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface soil is defined as the depth interval of 0 to 0.5 foot below ground surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)).
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

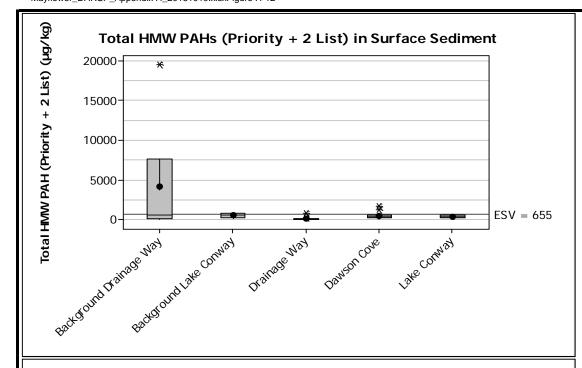
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

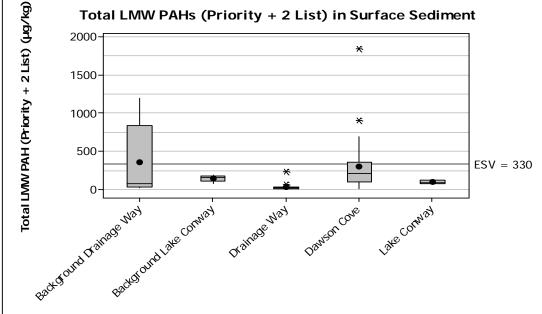
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF VANADIUM CONCENTRATIONS IN SOILS



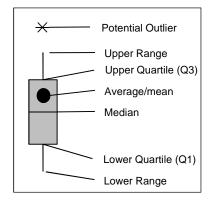
FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 - 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value HMW = high molecular weight LMW = low molecular weight PAH = polycyclic aromatic hydrocarbon μg/kg = micrograms per kilogram



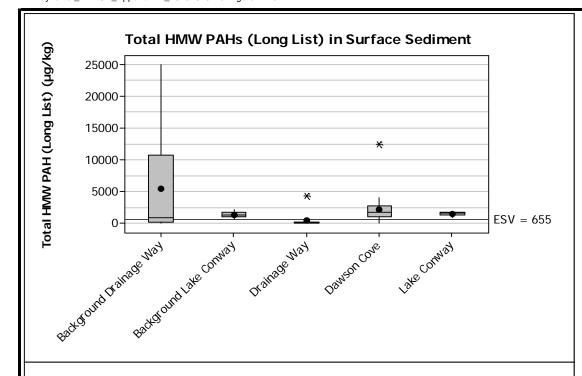
MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

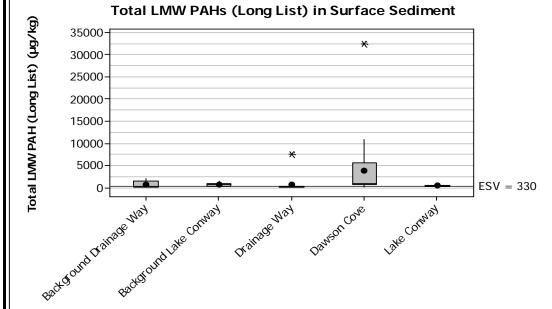
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF TOTAL PAH (PRIORITY + 2 LIST) CONCENTRATIONS IN SEDIMENTS



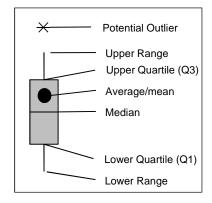
FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 - 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value HMW = high molecular weight LMW = low molecular weight PAH = polycyclic aromatic hydrocarbon μg/kg = micrograms per kilogram



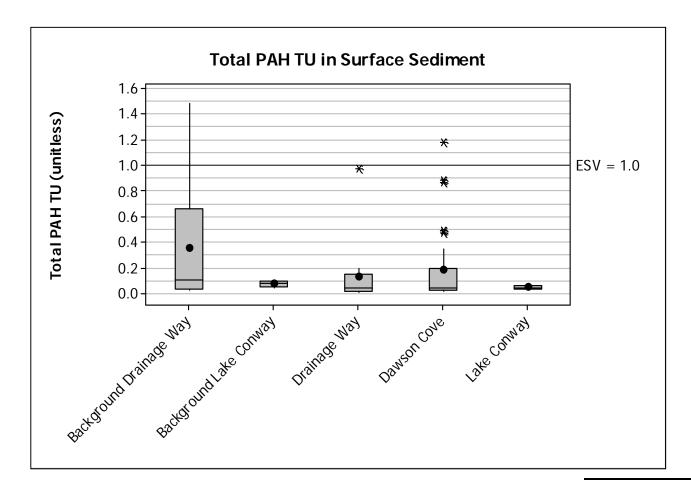
MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

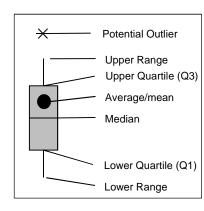
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF TOTAL PAH (LONG LIST) CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value

PAH = polycyclic aromatic hydrocarbon

TU = toxicity unit

MAYFLOWER PIPELINE INCIDENT RESPONSE

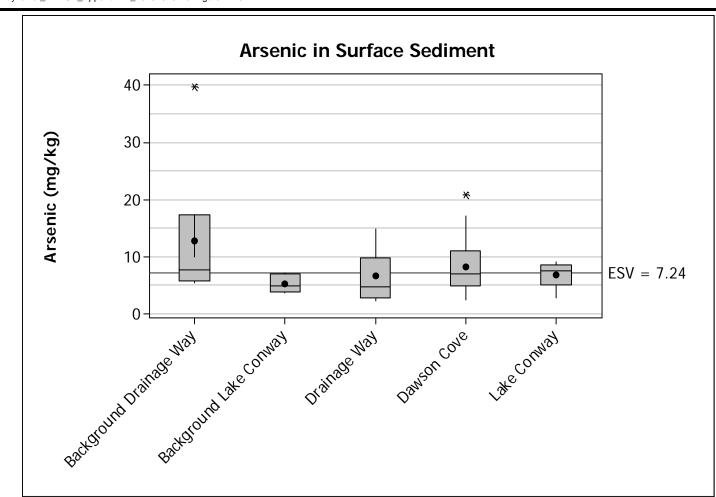
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

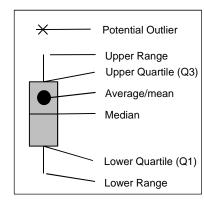
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF TOXICITY UNITS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

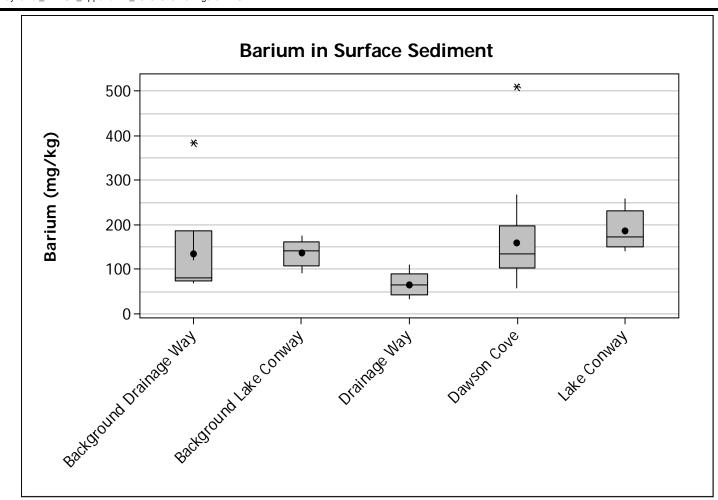
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

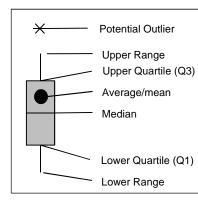
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF ARSENIC CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment are defined as the depth intervals of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. ESV for barium is not available.
- 5. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 6. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram MAYFLOWER PIPELINE INCIDENT RESPONSE

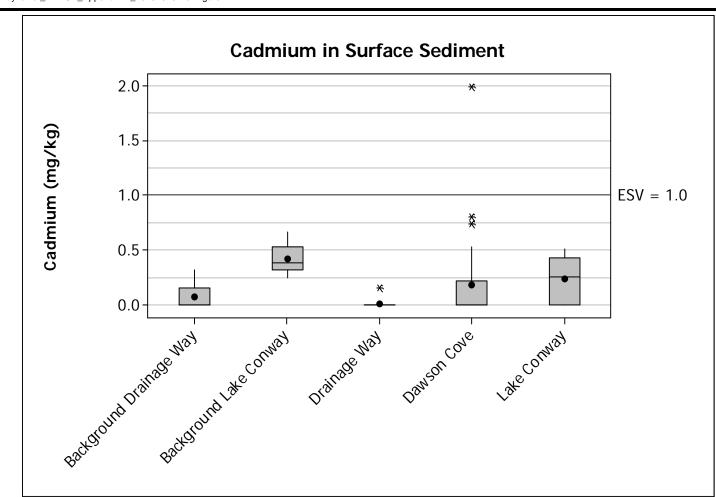
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

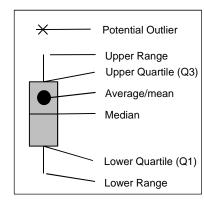
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF BARIUM CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

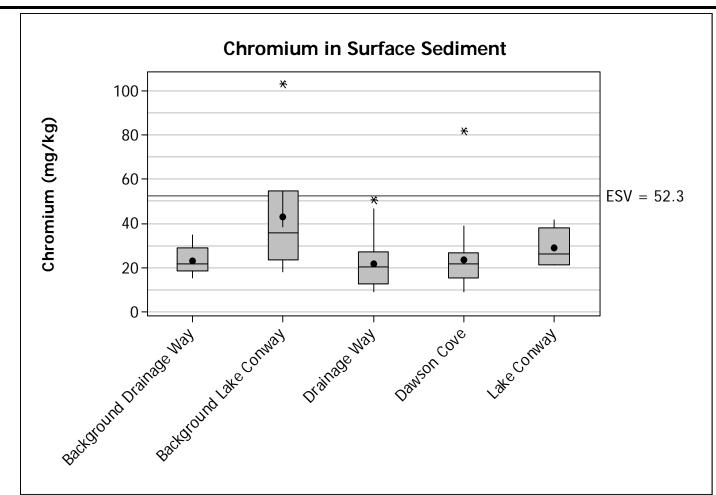
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

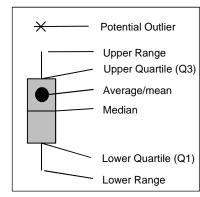
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF CADMIUM CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

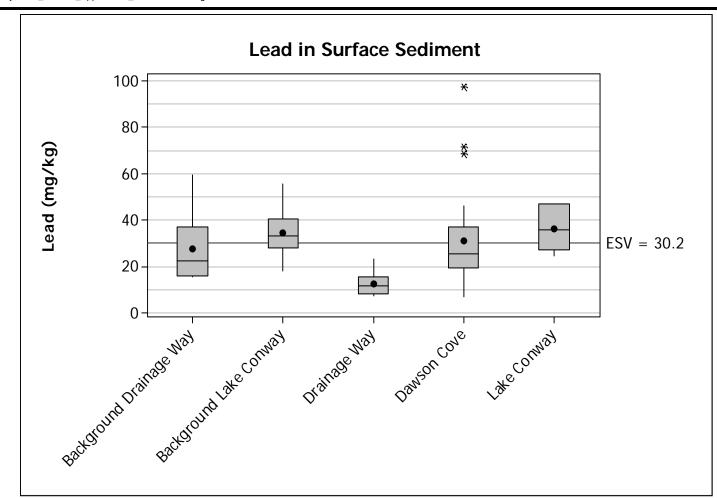
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

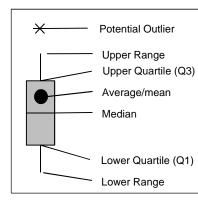
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF CHROMIUM CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

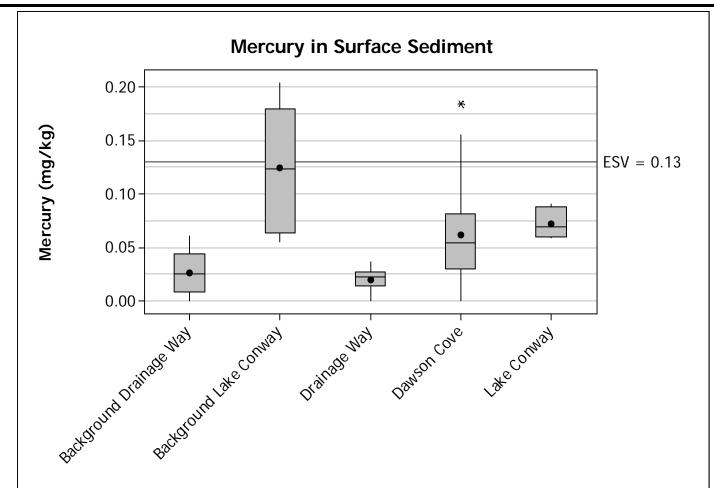
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

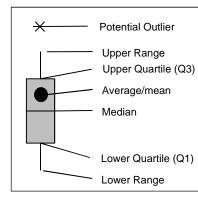
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF LEAD CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

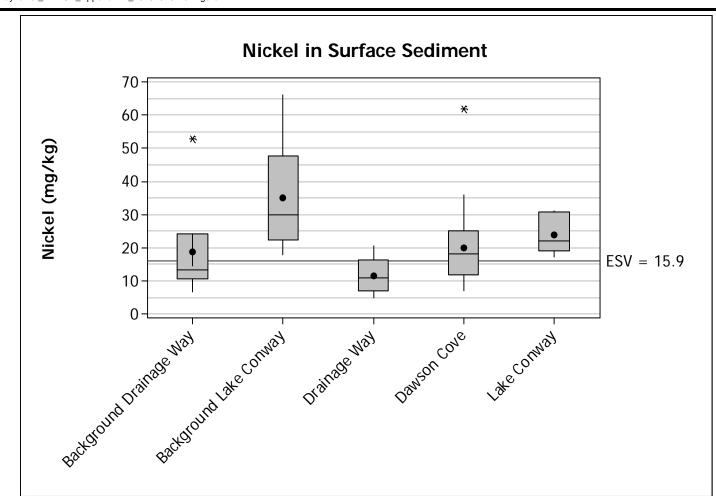
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

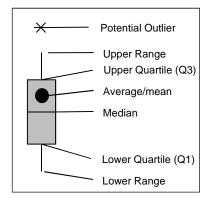
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF MERCURY CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

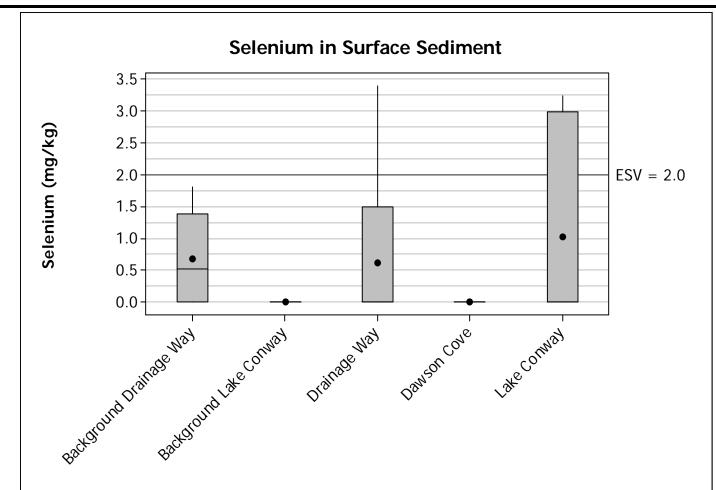
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

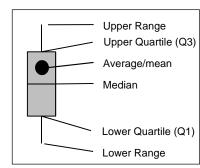
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF NICKEL CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)).
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram MAYFLOWER PIPELINE INCIDENT RESPONSE

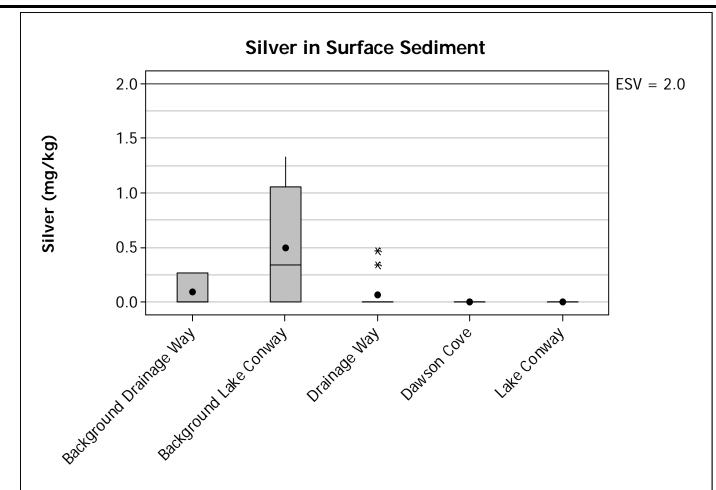
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

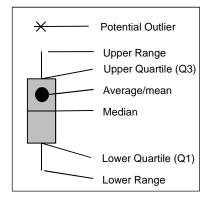
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF SELENIUM CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 5. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram

MAYFLOWER PIPELINE INCIDENT RESPONSE

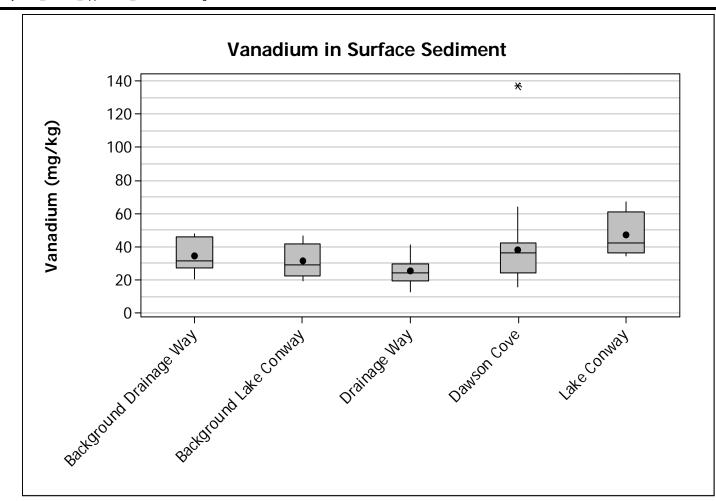
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

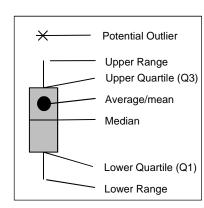
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF SILVER CONCENTRATIONS IN SEDIMENTS



FIGURE





- 1. Duplicate samples were excluded from analysis.
- 2. Surface sediment is defined as the depth interval of 0 to 0.5 foot below sediment surface.
- 3. Non-detect results were represented with a value of zero.
- 4. ESV for vanadium is not available.
- 5. The Upper Range and Lower Range represent the highest and lowest data point falling within the following limits: (Q3 + 1.5*(Q3-Q1)) and (Q1 1.5*(Q3-Q1)). Potential outliers are data points that are beyond these limits.
- 6. Abbreviations:

ESV = ecological screening value mg/kg = milligrams per kilogram MAYFLOWER PIPELINE INCIDENT RESPONSE

EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

DOWNSTREAM AREAS DATA ASSESSMENT REPORT

BOX PLOTS OF VANADIUM CONCENTRATIONS IN SEDIMENTS



FIGURE