

HYDROCARBON INVESTIGATION AREA
BASEMAP NOTES
SLOP OIL SUMP IN JULY 1998. THE INVESTIGATION INCLUDED THE INSTALLATION OF A SINGLE SOLE DORING DUE SOUTH OF THE SLUMP TO A TO OF ST FEET BG. AMALYTICAL RESULTS INDICATED HYDROCARBON IMPACTS AT DEPTH AND LIGHT NON-AQUEOUS HYDROCARBONS (ULAPL) WAS ENCOUNTERED ON THE GROUNDWATER INVESTIGATION ACTIVITES ARE SUMMARZED IN THE SUBSURFACE ENVIRONMENTAL ASSESSMENT GENERATED BY HIGHLANDER ENVIRONMENTAL CORP. DATED SEPTEMBER 1068. REMOUNL ACTIVITES FOR THE SLOP OIL SUMP INCLUDED REMOVAL OF THE SUMP IN SEPTEMBER 2000. THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION ARE MEASURED 2X X 2X X15. CONFIRMATION SAMPLES FROM THE EXCAVATION AT DEPTH (15) INDICATED HYDROCARBON IMPACTS IN THE SOLLS. REMEDIAL ACTIVITES ARE REMEDIATION GENERATED BY HIGHLANDER ENVIRONMENTAL CORP. IN 201
2. A SUBSURFACE INVESTIGATION WAS PERFORMED IN THE DIRECT VICINITY OF THE OIL & WATER SUMP IN AUGUST 1996. THE INVESTIGATION INCLUDED THE INSTALLATION OF A SINGLE SOLD BOTHING DUE SOUTH OF THE SUMP TO A TO DF 57
FEET BOS. ANALYTICAL RESULTS INDICATED HYDROCARBON IMPACTS IN THE INTERMEDIATE SOILS AT IT FEET BOS AND LAAPL WAS ENCOUNTERED ON THE GROUNDWATER. INVESTIGATION ACTIVITIES ARE SUMMARIZED IN THE SUBSURFACE ENVIRONMENTAL ASSESSMENT GENERATED BY HIGHLANDER ENVIRONMENTAL CORP. DATED SEPTEMBER 1900. REMEDIAL ACTIVITIES FOR THE SLOP DIS LOWP INCLUED REMOVAL OF THE SLUP. IN SEPTEMBER 2000. THE EXCAVATION AREA MEASURED 20 X 20 X 10. CONFIRMATION SAMPLES FROM THE EXCAVATION AT DEPTH (IO) INDICATED HYDROCARBON MAPACTS IN THE SOILS. REMEDIAL ACTIVITIES ARE DETAILED IN THE 2000 ANNUAL SUMMARY OF INVESTIGATION & REMEMBIATION GENERATED BY HIGHLANDER ENVIRONMENTAL CORP. IN 2001.
3. A SUBSURFACE INVESTIGATION WAS PERFORMED IN THE DIRECT WIGHTY OF THE JET TURBINE SKID IN AUGUST 1996. THE INVESTIGATION INCLUDED THE INSTALLATION OF 3 BORINGS KANGING IN TDS FROM 52 AND 57 FEET BOS ARALYTICAL RESULTS INDICATED HYTDROCARRON IMPACTS TO BOTH THE 30LS AND GROUNDWATER IN ALL 3 BORINGS. TWO OF THE THEEE BORINGS WERE CONVERTED TO MONITOR WILLS (MM 14 KM 2). INVESTIGATION ACTIVITIES ARE SUMMARIZED IN MONITOR CREWIRG/WIRK/INLASSESSMENT GENERATED BY HIGHLANDER ENVIRONMENTAL COMP. DATE DEFITIMER 1996.
4. TWO SEPARATE SHALLOW SUBSURFACE INVESTIGATIONS WERE CONDUCTED IN THE VICINITY OF ENGINE SUMP #30 IN AUGUST 1006 AND JUNE 1097. THE AUGUST 1096 INVESTIGATION INCLUDED THE INSTALLATION OF A SINGLE SHALLOW SOIL BORING DIRECTLY NORTH OF THE ENGINE SUMP #30 TO A TD OF 10 FEET BGS. RESULTS AT TO INDICATE HYDROCARDED IMPACTS AT DEPTH. THE JUNE 1097 INVESTIGATION INCLUDED THE INSTALLATION OF THREE ADDITIONAL SHALLOW BORINGS (REST. WEST & SOUTH OF THE SUMP) TO A MXIMUM DEPTH OF 4 FEET BGS. NO HYDROCARBONS WERE DETECTED IN ANY OF THE THREE BORINGS AT DEPTH (4 FEET) INVESTIGATION ACTIVITES ARE SUMMARIZED IN THE FINAL INVESTIGATION REPORT GENERATED BY HIGHLANDER ENVIRONMENTAL CORP. DATED. 149. 1907.
5. A SHALLOW SUBSURFACE INVESTIGATION WAS PERFORMED IN THE VICINITY OF ENGINE SUMP #31 IN AUGUST 1996. THIS INVESTIGATION INCLUDED THE INSTALLATION OF A SINGLE BORING DUE SOUTH OF THE SUMP TO A TD OF 6 FEET BOS. IN O HYDRICARBONS IMPACTS WERE DETECTED AT DEPTH. INVESTIGATION ACTIVITIES ARE SUMMARIZED IN THE SUBSUFFACE ENVIRONMENTAL ASSESSMENT GENERATED BY HIGHLANDER ENVIRONMENTAL CORP. DATED SETTEMBER 1996.
6. A SHALLOW SUBSURFACE INVESTIGATION WAS CONDUCTED ON THE SOUTHWEST CORNER OF THE EMERGENCY FLARE SUMP IN AUGUST 1990. THE INVESTIGATION INCLUDED & SHALLOW TRENCH (TEST PIT) THAT WAS EXCAVATED TO 5 FREET BOS, CONFIRMATION SAMPLES AT DEPTH (5 FEET BOS) WERE BELOW LABORATORY DETECTION LIMITS. INVESTIGATION ASTRONOME SUMMARIZED IN THE SUBSURFACE ENVIRONMENTAL ASSESSMENT GENERATED BY HIGHLANDER ENVIRONMENTAL CORP DATE BEFTEMBER 1000.
7. AN INTERNEDIATE SUBSURFACE INVESTIGATION WAS PERFORMED IN THE VICINITY OF THE H25 FLARE SUMP IN AUGUST 1996. THE INVESTIGATION INCLUDED THE INSTALLATION OF A SINGLE SOLI BORING TO A TO OF 27 FEET BGS. INFORCARION IMPACTS WERE DETECTED IN THE SHALLOW (1.5.2 FEET) SOLIS NEAR THE H25 FLARE SUM, ANALYTOLA RESULTS AT THE 27 FEET BGS INFORMAL WERE BELOW LABORATORY DETECTION LIMITS. INVESTIGATION ACTIVITIES ARE SUMMARIZED IN THE SUBSURFACE ENVIRONMENTAL ASSESSMENT GENERAATED BY HIGHLANDER ENVIRONMENTAL CORP. DATED SEPTEMBER 1996.
B. A SUBSURFACE INVESTIGATION WAS PERFORMED IN THE DIRECT VICINITY OF FIELD OIL UTT "D" IN NOVEMBER 1996, THE INVESTIGATION INCLUDED THE INSTALLATION OF A BINGLE BOIL BORING TO A TOTAL DEPTH (TD) OF FORTY-EIGHT (40) FEET BELOW GROUND SURFACE (BGS), MALVITGAL RESULTS INDICATED HYDROCARGINI IMPACTS EXTENDED TO A OFEET BOS, GROUNDWATER WAS NOT ENCOUNTERED DURING THE INSTALLATION OF THE BORING, INVESTIGATION ACTIVITIES ARE SUMMARIZED IN THE FINAL INVESTIGATION REPORT GENERATED BY HIGHLANDER ENVIRONMENTAL CORP. DATED JULY 1997, REMEDIAL ACTIVITIES FOR THE RED DOL, PIT "D" INCLUDED DVIRE-RECAVATION ACTIVITIES HAT WERE PERFORMED IN FEBRUARY 2000. A TOTAL OF 312 CUBIC VARIOS OF SOLV WERE PERFORMED IN REMEDIAL ACTIVITIES ARE DETAILED IN THE SOLW ANNUM COMMARY OF INVESTIGATION & REMEDIATION GENERATED BY HIGHLANDER ENVIRONMENTAL CORP. IN 2001.
9. THE EAST SUMP WAS CONSTRUCTED OF CONCRETED AND MEASURED S'X S'XS. THE EAST SUMP WAS REMOVED IN SEPTEMBER 2000 AND THE AREA WAS OVER-EXCAVATED TO APPRXIMATELY S'X 13'X 10'C CONFIRMATION SAMPLES FROM THE EXCAVATION AT DEPTH (5) INDICATED HYDROCARBON IMMACTS IN THE SOLIS. REMEDIAL ACTIVITIES ARE DETAILED IN THE 2000 ANNUAL SUMMARY OF INVESTIGATION & REMEDIATION GENERATED BY HIGHLANDER ENVIRONMENTAL CORP. IN 2001.
10. A SUBSURFACE INVESTIGATION WAS PERFORMED IN THE DIRECT VICINITY OF THE CONCRETE DRAIN SUMP IN SEPTEMBER 2000. THE INVESTIGATION INCLUDED THE INISTALLATION OF A SINGLE SOLIE BORING TO A TO OF SIFEET BGS. ANALYTICAL RESULTS INDICATED HYDROCARBON IMPACTS AT DEPTH. REMEDIAL ACTIVITIES FOR THE CONCRETE DRAIN SUMP INCLUDED REMOVAL OF THE SUMP IN SEPTEMBER 2000. THE EXCAVATION AT ACLUDED REMOVAL OF THE SUMP IN SEPTEMBER 2000. THE EXCAVATION AT DEPTH (9) INDICATED HYDROCARBON INDICATED HYDROCARBON AMAL SUMMARY OF INVESTIGATION A CITATIES ARE SUMMARZES TO IN THE 2000. ANALAS SUMMARY OF INVESTIGATION A CREMEDIATION SUMMARZES DI NT HE 2000. ANALAS SUMMARY OF INVESTIGATION A REMEDIATION SUMMARZES DI NT HE 2000. ANALAS SUMMARY OF INVESTIGATION A REMEDIATION SUMMARZES DI NT HE 2000. ANALAS SUMMARY OF INVESTIGATION A REMEDIATION SUMMARZES DI NT HE 2000. ANALAS SUMMARY OF INVESTIGATION A REMEDIATION SUMMARY OF INVESTIGATION A REMEDIATION SUMMARZES DI NT HE SOLIS.
11. THE NORTH BRINE WATER RETENTION POND (POND #2) MEASURED APPROXIMATELY 245 X 245 X 15 AND HAD A DESIGNED CAPACITY OF 75,000 BARRELS (BLS.) USAGE CF THIS POND WAS DISCONTUNED IN EARLY 1998. THIS NORTH BINKE WATER RETENTION POND WAS CAPPED AND CROWNED WITH A CLAY CAP IN LATE 2000.
APPROXIMATELY 107 X 247 X 16 AND HAD A DESIGNED CAPACITY OF 52,000 BARRELS (BLS), USAGE OF THE POHD WAS DESCRITINED IN MID 1998. THIS SOUTH BEINE WATER RETENTION POND WAS CAPPED AND CROWNED WITH A CLAY CAP IN LATE 2000.
13. THE FORMER TANK RATTERY LOCATION WAS BIRLICK BV LIGHTNIG IN MAY 2005. THIS FORMER TANK BATTERY LOCATION WAS USED FOR FLUID (UNPL. AND PRODUCED WATER) STORAGE BY THE GROUNDWATER REMEDIATION SYSTEMS LOCATED ON THE EAST SIDE OF THE PLANT. APPROXMMETELY 350 BBLS OF FLUIDS WERE RELEASED AND 330 BBLS WERE RECOVERED. DEMOLITION OF THE FORMER TANK BATTERY IS SUMMARIZED IN A TRANSMITTAL LETTER OF A SEMI-AMINUAL GROUNDWATER MONTORING REPORT FOR THE EURCE SOUTH GAS PLANT GENERATED BY SECOR INTERNATIONAL INC. DATED MARCH 3, 2005.
14. A SUBSURFACE INVESTIGATION WAS CONDUCTED IN THE VICINITY OF THE FORMER TRUCK LOADING AREA LOCATED SOUTH OF THE PLANT IN NOVEMBER 2005. THE INVESTIGATION INCLUDED THE INSTALLATION OF 3 DORINGS TO GROUNDWATER. HYDROCARBON IMPACTS WERE DETECTED IN THE SHALLOW (5-6 FEET BGS) AND IN THE INTERMEDIATE (25-28 BGS) IN AT LEAST ONE BORING. TWO OF THE THREE WELLS WERE CONVERTED INTO MONITOR WELLS (MW 32.4 MM 33), INVESTIGATION ACTIVITES ARE SUMMARZED IN THE SOUTH EUNICE GAS PLANT GENERATED BY SECON INTERNATIONAL INC. N.JULY 2006.
15. THE NORTHWEST BRINE WATER RETENTION POND (POND #3) WAS CAPPED IN JULY 2007, DEMOLITION ACTIVITIES OF THE EOUTIWEST BRINE WATER RETENTION POND (POND 63) ARE SUMMARIZED IN THE 2007 ANNUAL, SUMMARY OF INVESTIGATION AND REMEDIATION FOR THE SOUTH EUNICE GAS PLANT GENERATED BY SECOR INTERNATIONAL IN MARCH 7, 2007.
SCALE VERIFICATION THIS BAR MEASURES 1" ON ORIGINAL ADJUST SCALE ACCORDINGLY.
Chevron Environmental Management Company
EUNICE SOUTH CHLORIDE & TDS CONCENTRATION MAP SHALLOW WELLS - FEBRUARY 2009

TARGA'S ACTIVE INJECTION WELL

RECOVERY WELL LOCATION

MONITOR WELL LOCATION (SHALLOW)

OFFSITE PROPERTY WELLS "NOT SAMPLED"

MONITOR WELL LOCATION (DEEP)

WATER WELL LOCATION (INACTIVE)

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