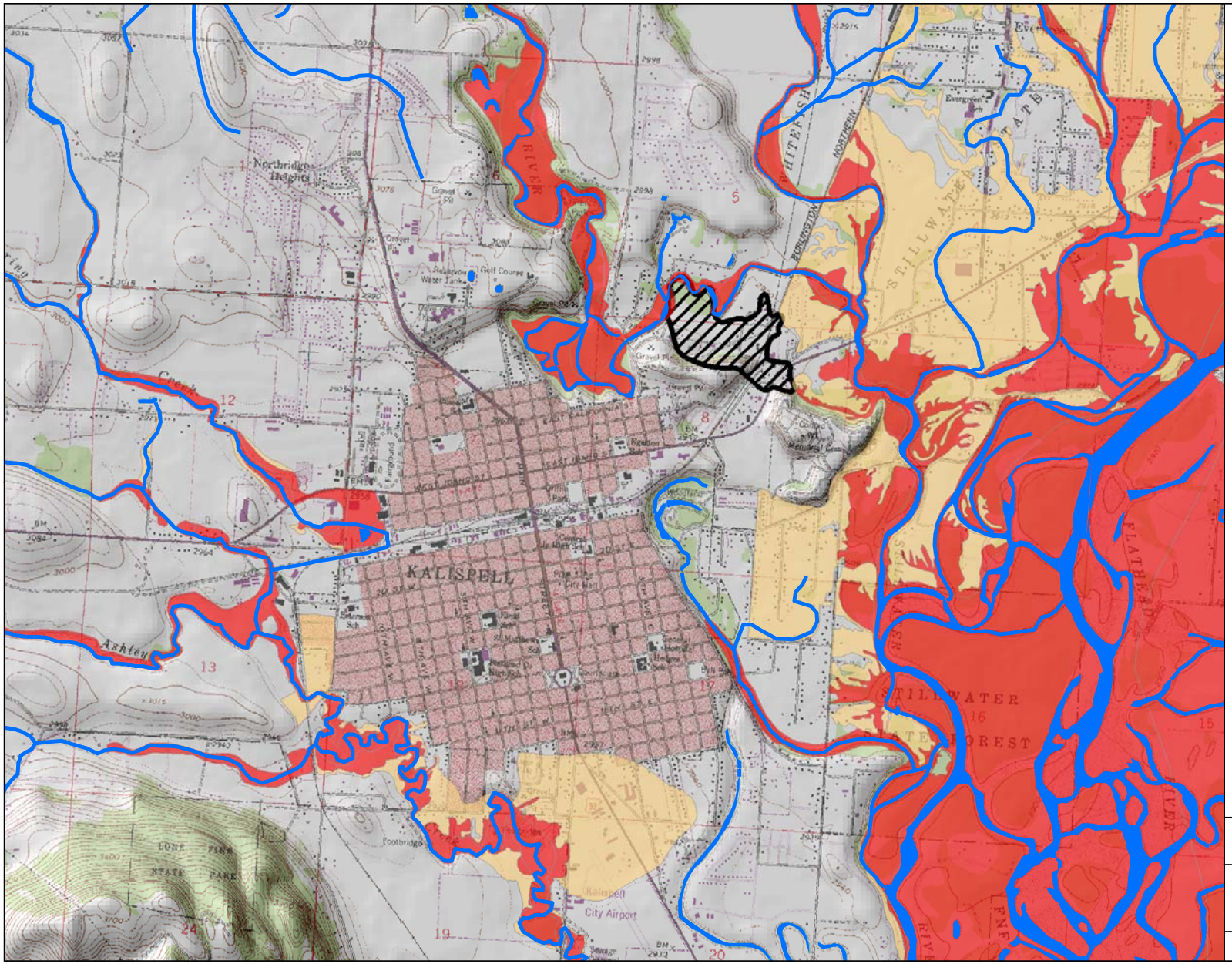
FIGURES



KRY SITE
KALISPELL, MONTANA

FIGURE 1-1
SITE LOCATION MAP

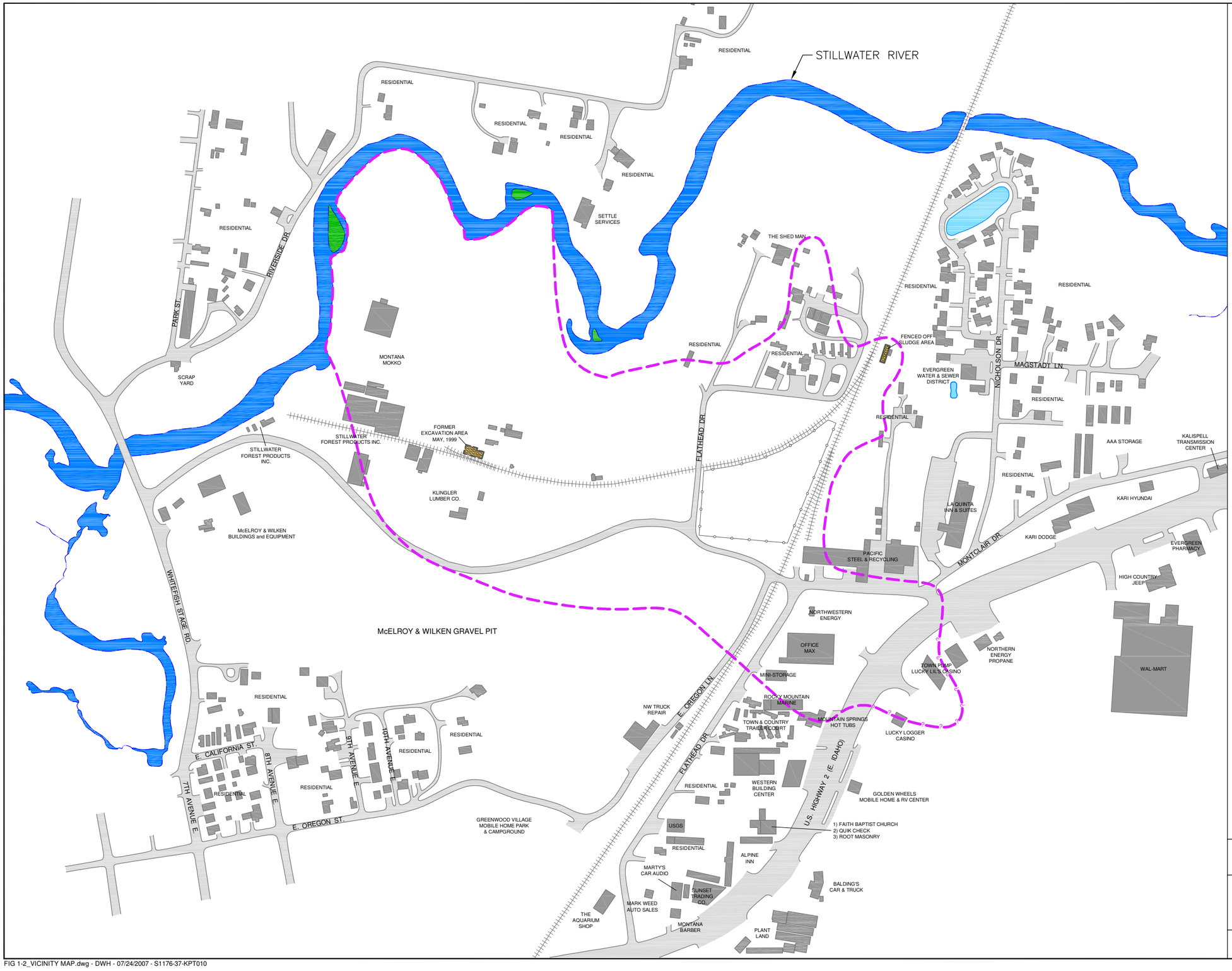
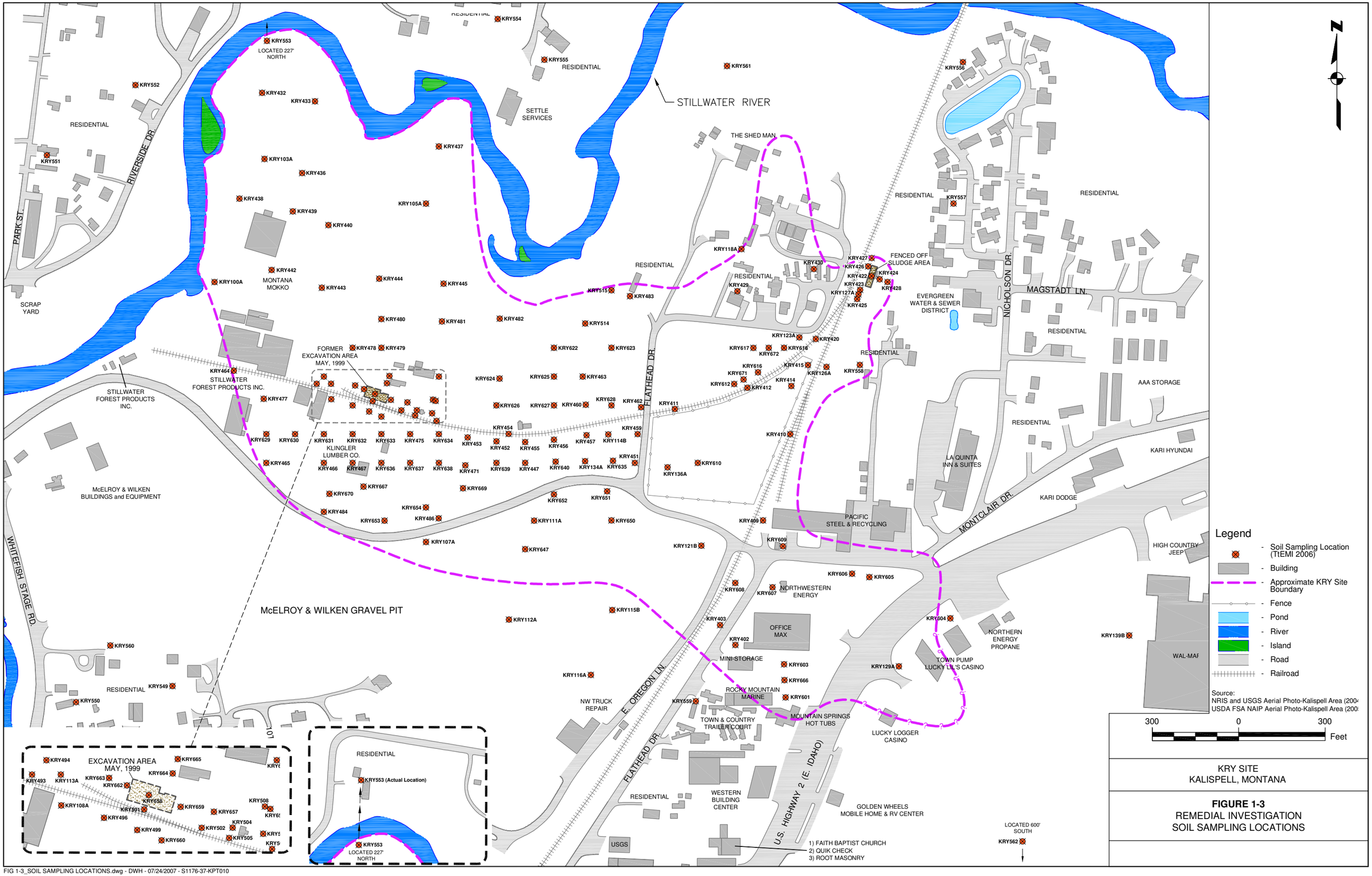


FIG 1-2_VICINITY MAP.dwg - DWH - 07/24/2007 - S1176-37-KPT010



KRY SITE
KALISPELL, MONTANA

FIGURE 1-3
REMEDIAL INVESTIGATION
SOIL SAMPLING LOCATIONS

FIG 1-3_SOIL SAMPLING LOCATIONS.dwg - DWH - 07/24/2007 - S1176-37-KPT010

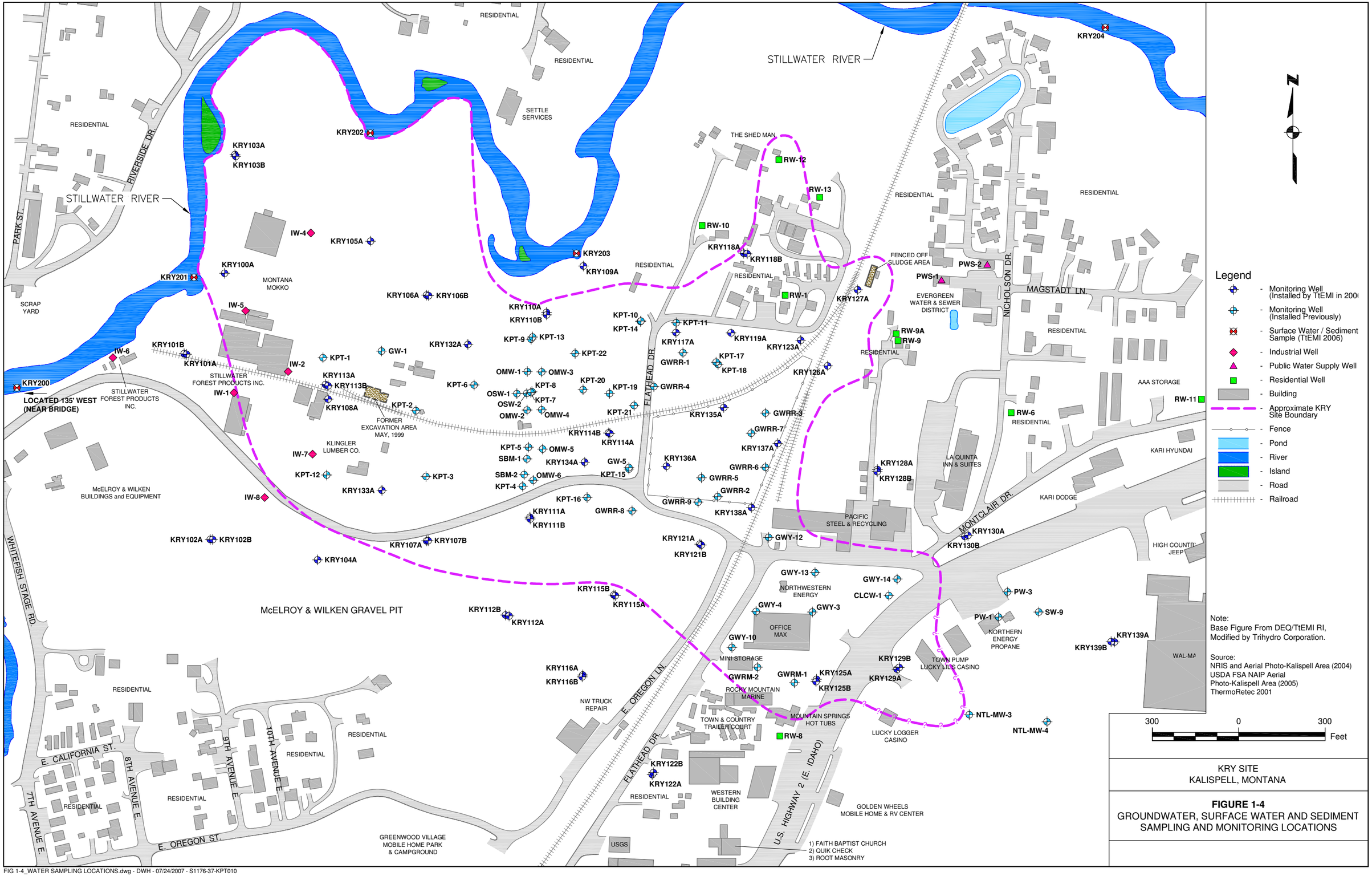


FIG 1-4_WATER SAMPLING LOCATIONS.dwg - DWH - 07/24/2007 - S1176-37-KPT010

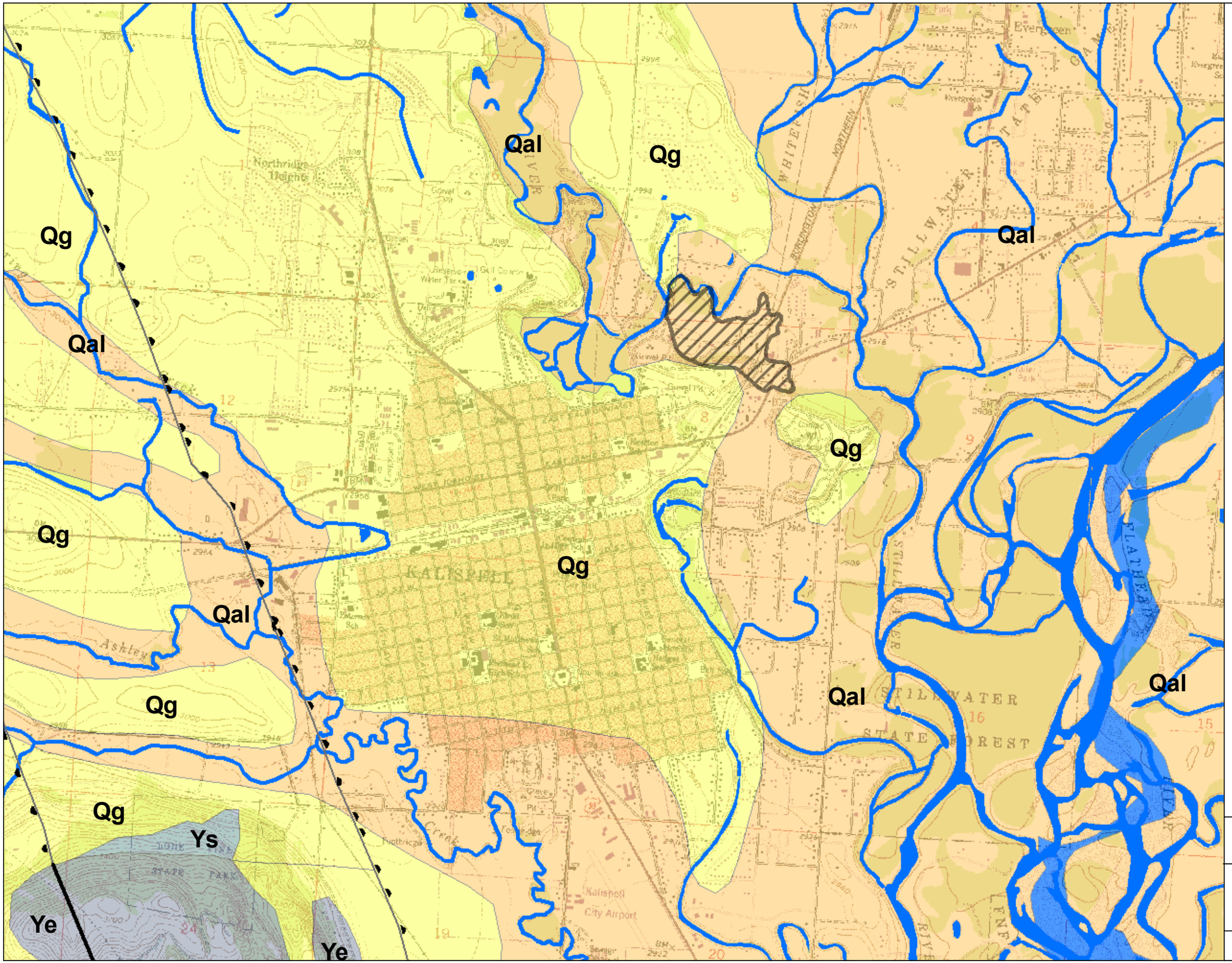
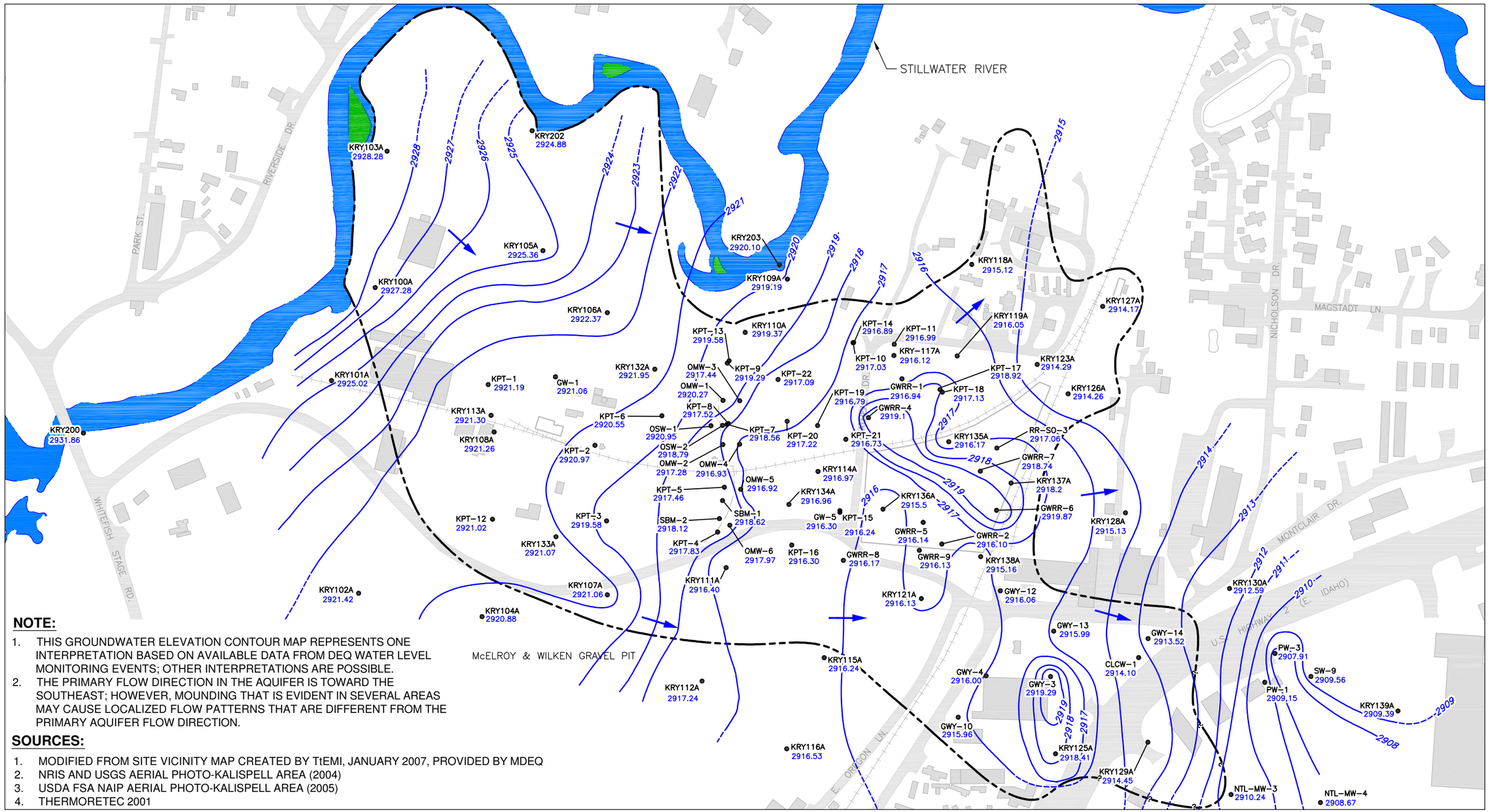


Fig2-1_KPT_general_geology2_060608.mxd



NOTE:

1. THIS GROUNDWATER ELEVATION CONTOUR MAP REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM DEQ WATER LEVEL MONITORING EVENTS; OTHER INTERPRETATIONS ARE POSSIBLE.
2. THE PRIMARY FLOW DIRECTION IN THE AQUIFER IS TOWARD THE SOUTHEAST; HOWEVER, MOUNDING THAT IS EVIDENT IN SEVERAL AREAS MAY CAUSE LOCALIZED FLOW PATTERNS THAT ARE DIFFERENT FROM THE PRIMARY AQUIFER FLOW DIRECTION.

SOURCES:

1. MODIFIED FROM SITE VICINITY MAP CREATED BY TtEMI, JANUARY 2007, PROVIDED BY MDEQ
2. NRIS AND USGS AERIAL PHOTO-KALISPELL AREA (2004)
3. USDA FSA NAIP AERIAL PHOTO-KALISPELL AREA (2005)
4. THERMORETEC 2001

EXPLANATION

- KRY102A 2921.42 — MONITORING WELL LOCATION AND DESIGNATION SHOWING GROUNDWATER ELEVATION IN FT AMSL
- 2917 — LINE OF EQUAL ELEVATION OF POTENTIOMETRIC-SURFACE (FT AMSL, DASHED WHERE INFERRED)
- GENERAL DIRECTION OF GROUNDWATER FLOW
- APPROXIMATE KRY SITE BOUNDARY
- FENCE
- RIVER
- RAILROAD
- ROAD
- BUILDING OR STRUCTURE
- FT AMSL — FEET ABOVE MEAN SEA LEVEL

N

0 300'

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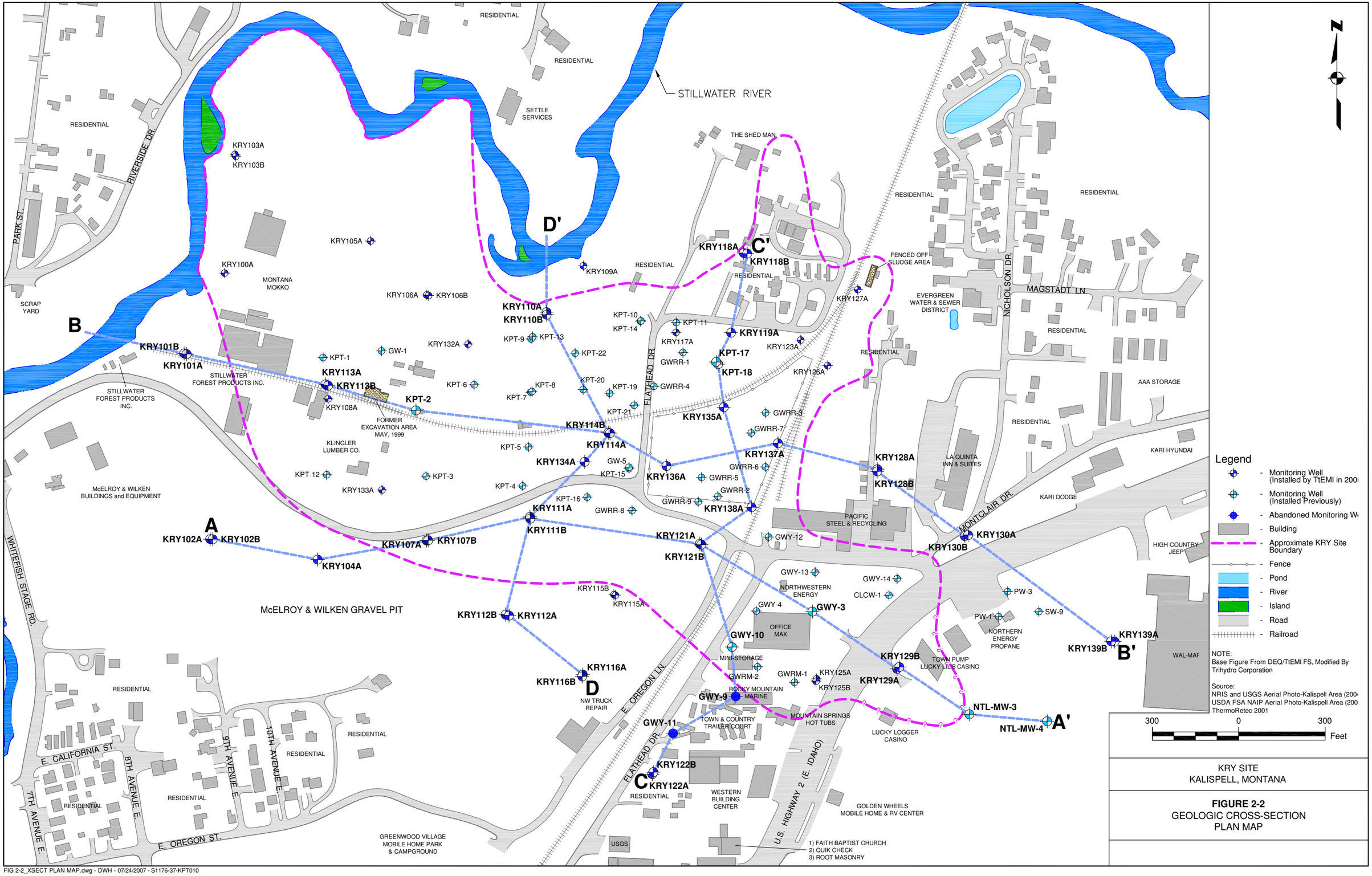
FIGURE 2-10

GROUNDWATER ELEVATION CONTOUR MAP UPPER PORTION OF UNCONFINED AQUIFER (MAY 2007)

KRY SITE KALISPELL, MONTANA

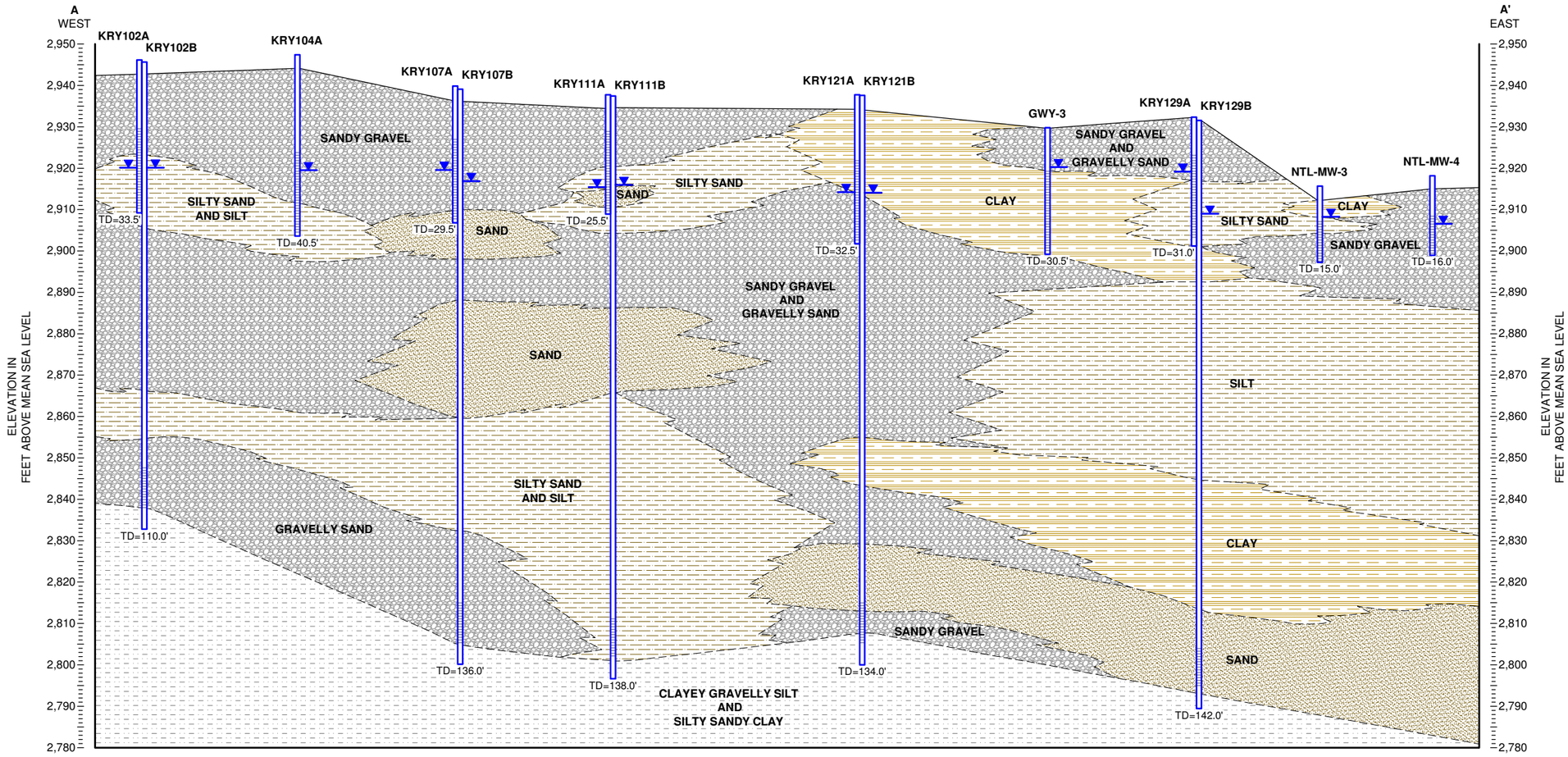
Drawn By: REP	Checked By: CC	Scale: 1" = 300'	Date: 5/21/08	File: 776004PS200705-EDITS-FS



KRY SITE
KALISPELL, MONTANA

FIGURE 2-2
GEOLOGIC CROSS-SECTION
PLAN MAP

FIG 2-2_XSECT PLAN MAP.dwg - DWH - 07/24/2007 - S1176-37-KPT010

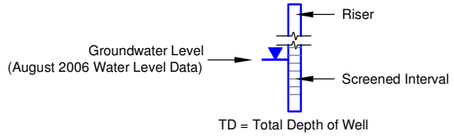


300 0 300
Feet
Vertical Scale Exaggerated 10X

Legend

- Sandy Gravel and/or Gravelly Sand
- Silty Sand and/or Silt
- Sand
- Clay
- Clayey Gravelly Silt and Silty Sandy Clay
- Lithologic Contact, Located Approximately or Inferred

Monitoring Well Detail



TD = Total Depth of Well

NOTES:
1. Base Figure From DEQ/TtEMI, FS, Modified By Tridydro Corporation
2. This Cross-Section Represents One Interpretation Based on Available Data from the DEQ/TtEMI RI; Other Interpretations Are Possible

Source:
Interpreted From Borehole Logs - Appendix D
RETEC 1995
ThermoRetec 2001

KRY SITE
KALISPELL, MONTANA

FIGURE 2-3
GEOLOGIC CROSS-SECTION A-A'

B
WEST

B'
EAST

ELEVATION IN
FEET ABOVE MEAN SEA LEVEL

2,950
2,940
2,930
2,920
2,910
2,900
2,890
2,880
2,870
2,860
2,850
2,840
2,830
2,820
2,810
2,800
2,790
2,780
2,770
2,760
2,750
2,740
2,730

KRY101B
KRY101A
KRY113A
KRY113B
KPT-2
KRY114B
KRY114A
KRY136A
KRY137A
KRY128A
KRY128B
KRY130B
KRY130A
KRY139B
KRY139A

STILLWATER RIVER

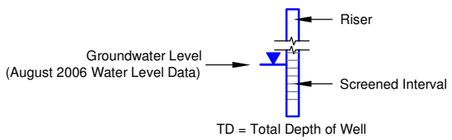
SILTY SAND
TD=31.0'
TD=37.0'
SAND
SAND
TD=29.0'
SILT
CLAY
TD=25.0'
TD=29.0'
SANDY GRAVEL AND GRAVELLY SAND
TD=25.0'
TD=27.5'
SILT
CLAY
TD=45.0'
SANDY GRAVEL
TD=29.0'
SAND
SAND
SILTY SAND
SANDY GRAVEL AND GRAVELLY SAND
TD=100.0'
SILTY SAND AND SILT
TD=117.0'
TD=122.0'
SAND
SILT
CLAY
SILT
CLAYEY GRAVELLY SILT AND SILTY SANDY CLAY
SAND
TD=160.0'
CLAY
TD=168.0'
TD=181.0'

300 0 300
Feet
Vertical Scale Exaggerated 10X

Legend

- Sandy Gravel and/or Gravelly Sand
- Silty Sand and/or Silt
- Sand
- Clay
- Clayey Gravelly Silt and Silty Sandy Clay
- Lithologic Contact, Located Approximately or Inferred

Monitoring Well Detail



TD = Total Depth of Well

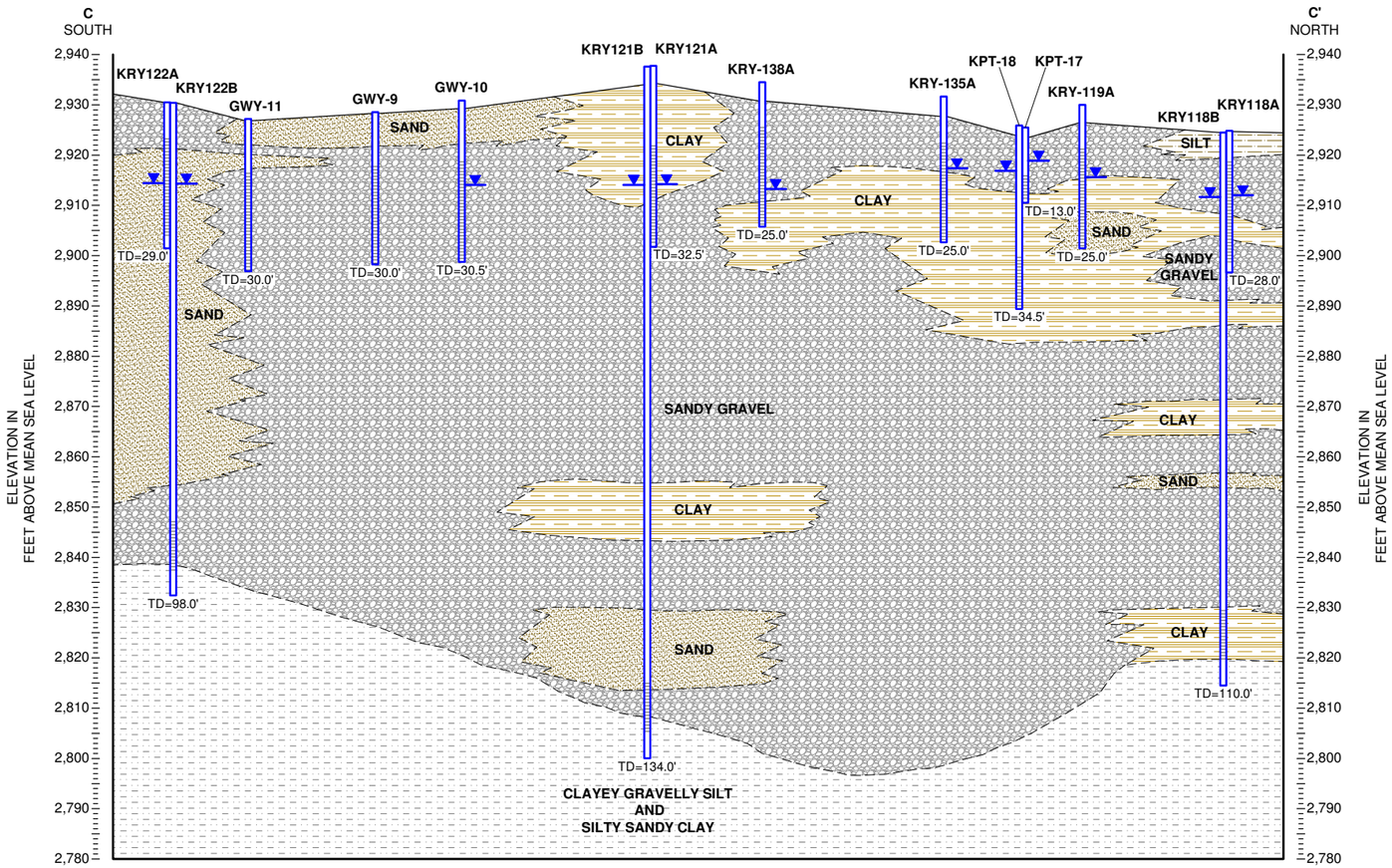
NOTES:
1. Base Figure From DEQ/TtEMI FS, Modified By Trihydro Corporation.
2. Cross-Section Hatches Were Modified By Trihydro Corporation.
3. This Cross-Section Represents One Interpretation Based on Available Data from the DEQ/TtEMI RI; Other Interpretations Are Possible.

Source:
Interpreted From Borehole Logs - RI - Appendix D
RETEC 1995
ThermoRetec 2001

KRY SITE
KALISPELL, MONTANA

FIGURE 2-4
GEOLOGIC CROSS-SECTION B-B'

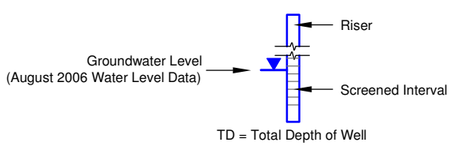
FIG 2-4_XSECT B-B'.dwg - DWH - 05/01/2007 - S1176-37-KPT010



Legend

- Sandy Gravel and/or Gravelly Sand
- Silty Sand and/or Silt
- Sand
- Clay
- Clayey Gravelly Silt and Silty Sandy Clay
- Lithologic Contact, Located Approximately or Inferred

Monitoring Well Detail



TD = Total Depth of Well

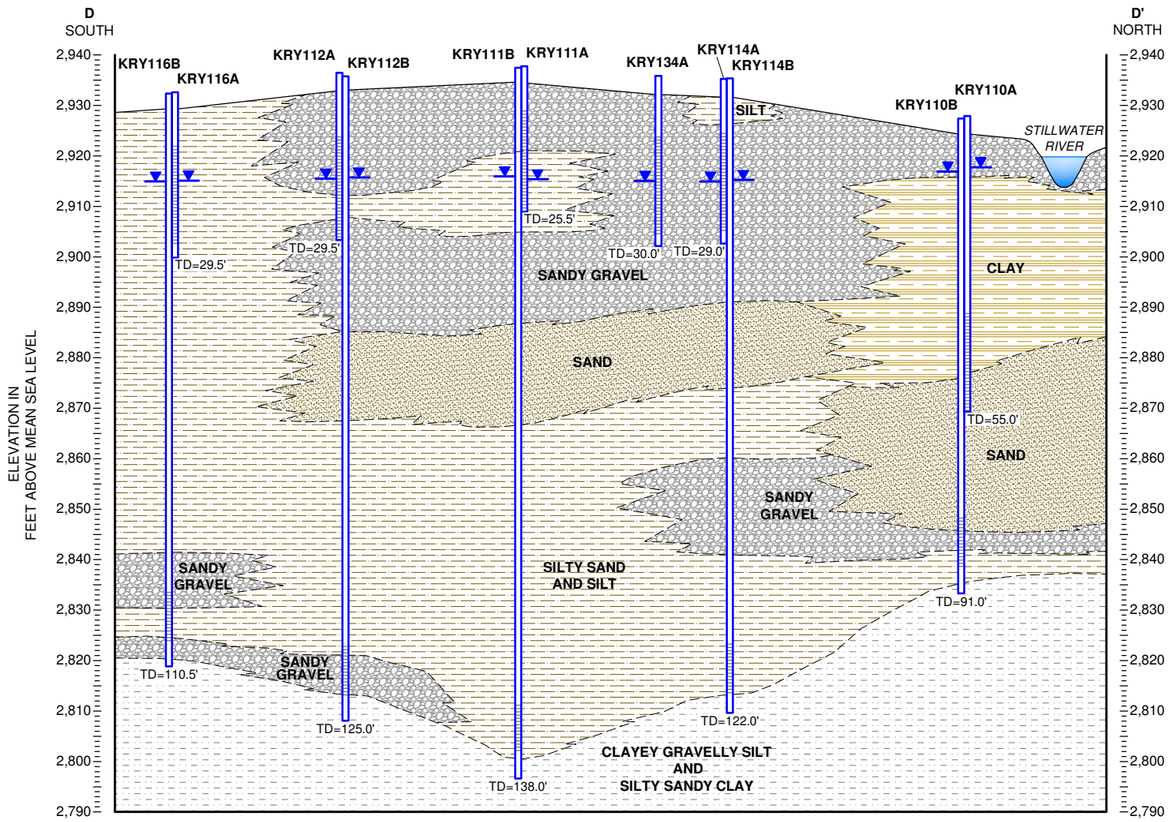
NOTES:
1. Base Figure From DEQ/TtEMI FS, Modified By Trihydro Corporation
2. Cross-Section Hatches Were Modified By Trihydro Corporation
3. This Cross-Section Represents One Interpretation Based on Available Data from the DEQ/TtEMI RI; Other Interpretations Are Possible

Source:
Interpreted From Borehole Logs - RI - Appendix D
RETEC 1995
ThermoRetec 2001

KRY SITE
KALISPELL, MONTANA

FIGURE 2-5
GEOLOGIC CROSS-SECTION C-C'

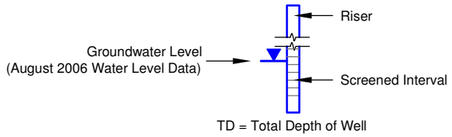
FIG 2-5_XSECT C-C'.dwg - DWH - 05/01/2007 - S1176-37-KPT010



Legend

- Sandy Gravel and/or Gravelly Sand
- Silty Sand and/or Silt
- Sand
- Clay
- Clayey Gravelly Silt and Silty Sandy Clay
- Lithologic Contact, Located Approximately or Inferred

Monitoring Well Detail



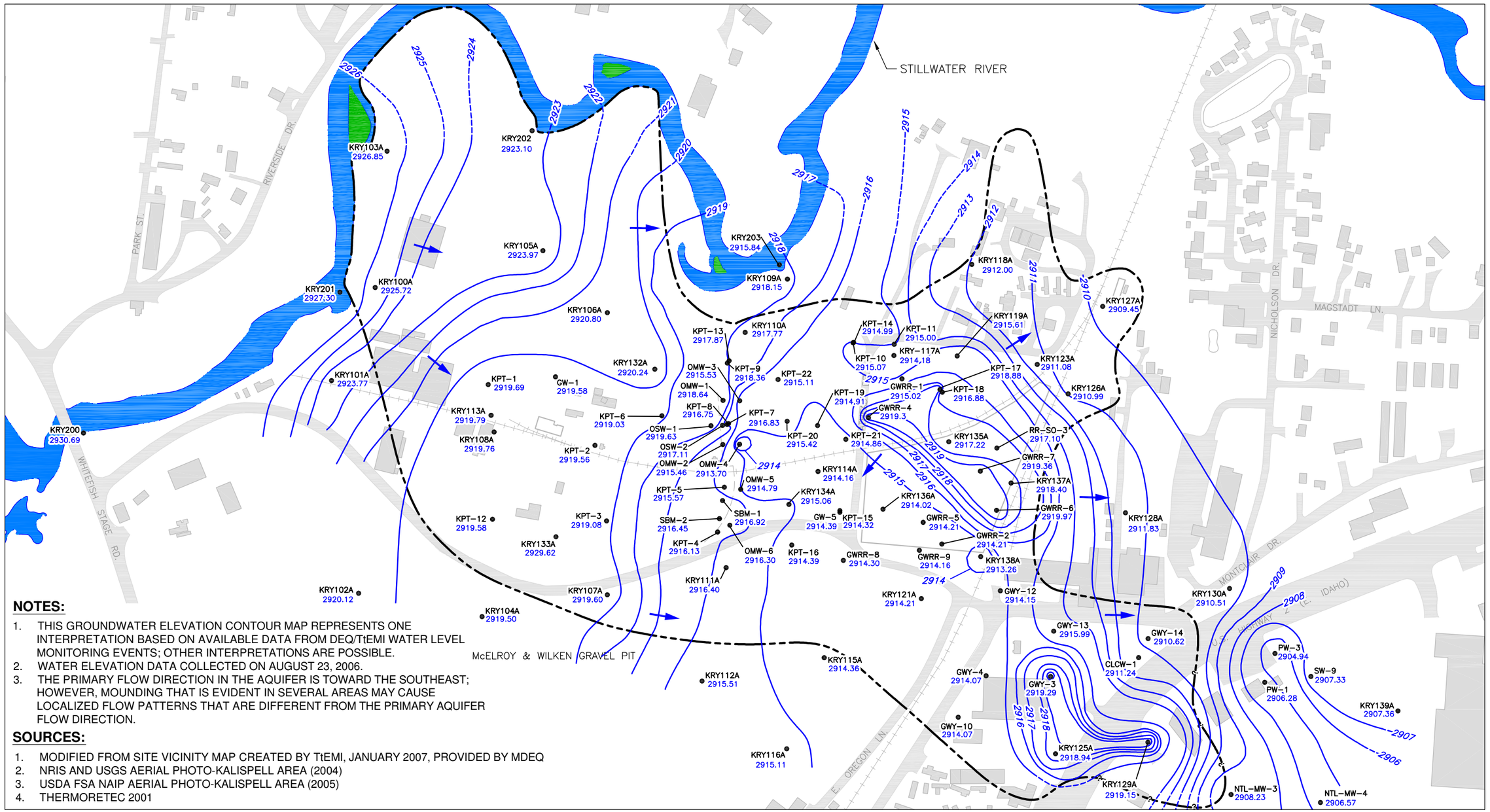
TD = Total Depth of Well

NOTES:
1. Base Figure From DEQ/TtEMI FS, Modified By Trihydro Corporation
2. This Cross-Section Represents One Interpretation Based on Available Data from the DEQ/TtEMI RI; Other Interpretations Are Possible

Source:
Interpreted From Borehole Logs - Appendix D
RETEC 1995
ThermoRetec 2001

KRY SITE
KALISPELL, MONTANA

FIGURE 2-6
GEOLOGIC CROSS-SECTION D-D'



NOTES:

1. THIS GROUNDWATER ELEVATION CONTOUR MAP REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM DEQ/TtEMI WATER LEVEL MONITORING EVENTS; OTHER INTERPRETATIONS ARE POSSIBLE.
2. WATER ELEVATION DATA COLLECTED ON AUGUST 23, 2006.
3. THE PRIMARY FLOW DIRECTION IN THE AQUIFER IS TOWARD THE SOUTHEAST; HOWEVER, MOUNDING THAT IS EVIDENT IN SEVERAL AREAS MAY CAUSE LOCALIZED FLOW PATTERNS THAT ARE DIFFERENT FROM THE PRIMARY AQUIFER FLOW DIRECTION.

SOURCES:

1. MODIFIED FROM SITE VICINITY MAP CREATED BY TtEMI, JANUARY 2007, PROVIDED BY MDEQ
2. NRIS AND USGS AERIAL PHOTO-KALISPELL AREA (2004)
3. USDA FSA NAIP AERIAL PHOTO-KALISPELL AREA (2005)
4. THERMORETEC 2001

EXPLANATION

KRY102A 2920.12 — MONITORING WELL LOCATION AND DESIGNATION SHOWING GROUNDWATER ELEVATION IN FT AMSL

2917 — LINE OF EQUAL ELEVATION OF POTENTIOMETRIC-SURFACE (FT AMSL, DASHED WHERE INFERRED)

GENERAL DIRECTION OF GROUNDWATER FLOW

APPROXIMATE KRY SITE BOUNDARY

FENCE

RIVER

RAILROAD

ROAD

BUILDING OR STRUCTURE

FT AMSL — FEET ABOVE MEAN SEA LEVEL

N

0 300'

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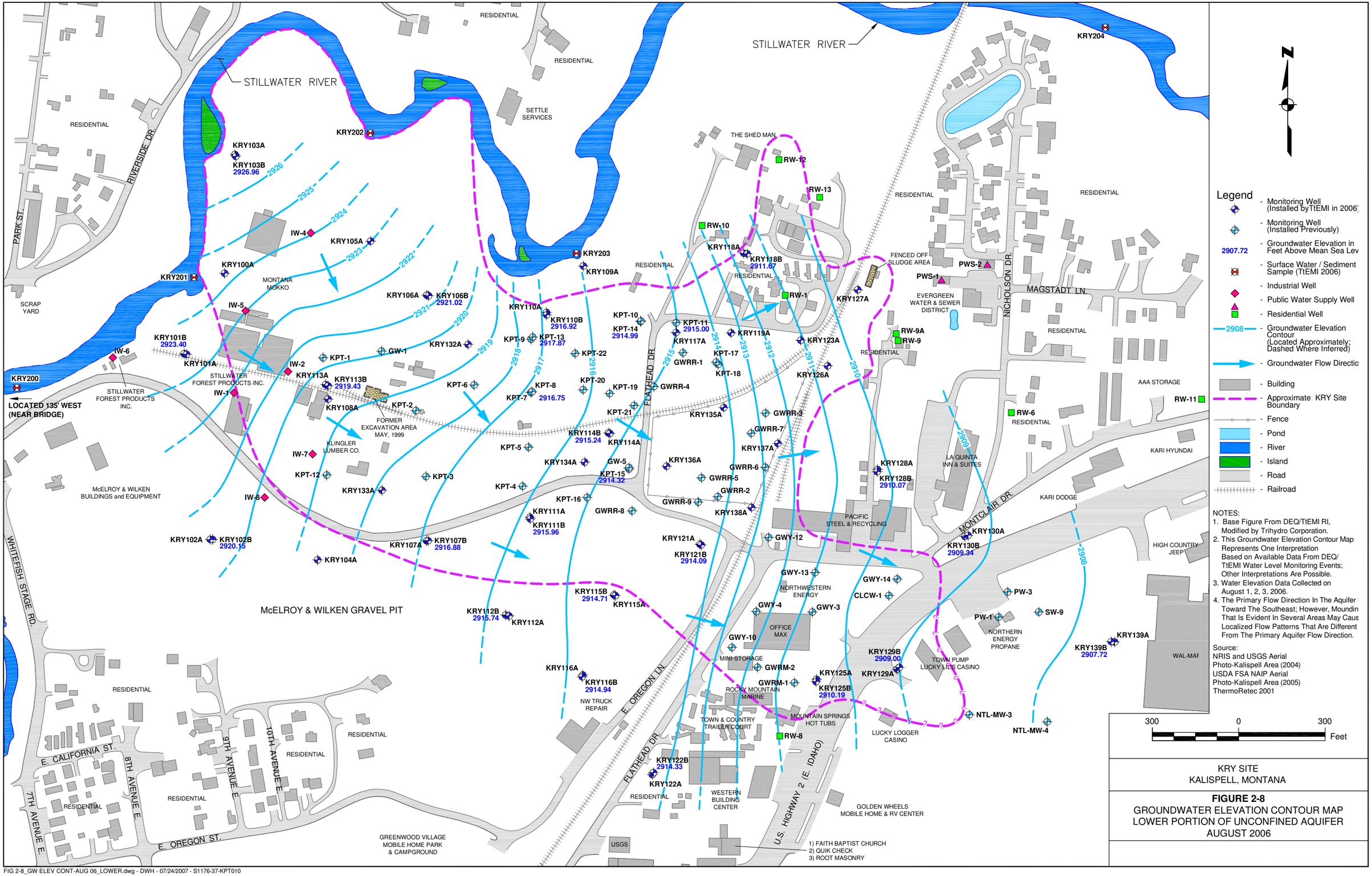
FIGURE 2-7

GROUNDWATER ELEVATION CONTOUR MAP UPPER PORTION OF UNCONFINED AQUIFER (AUGUST 2006)

KRY SITE KALISPELL, MONTANA

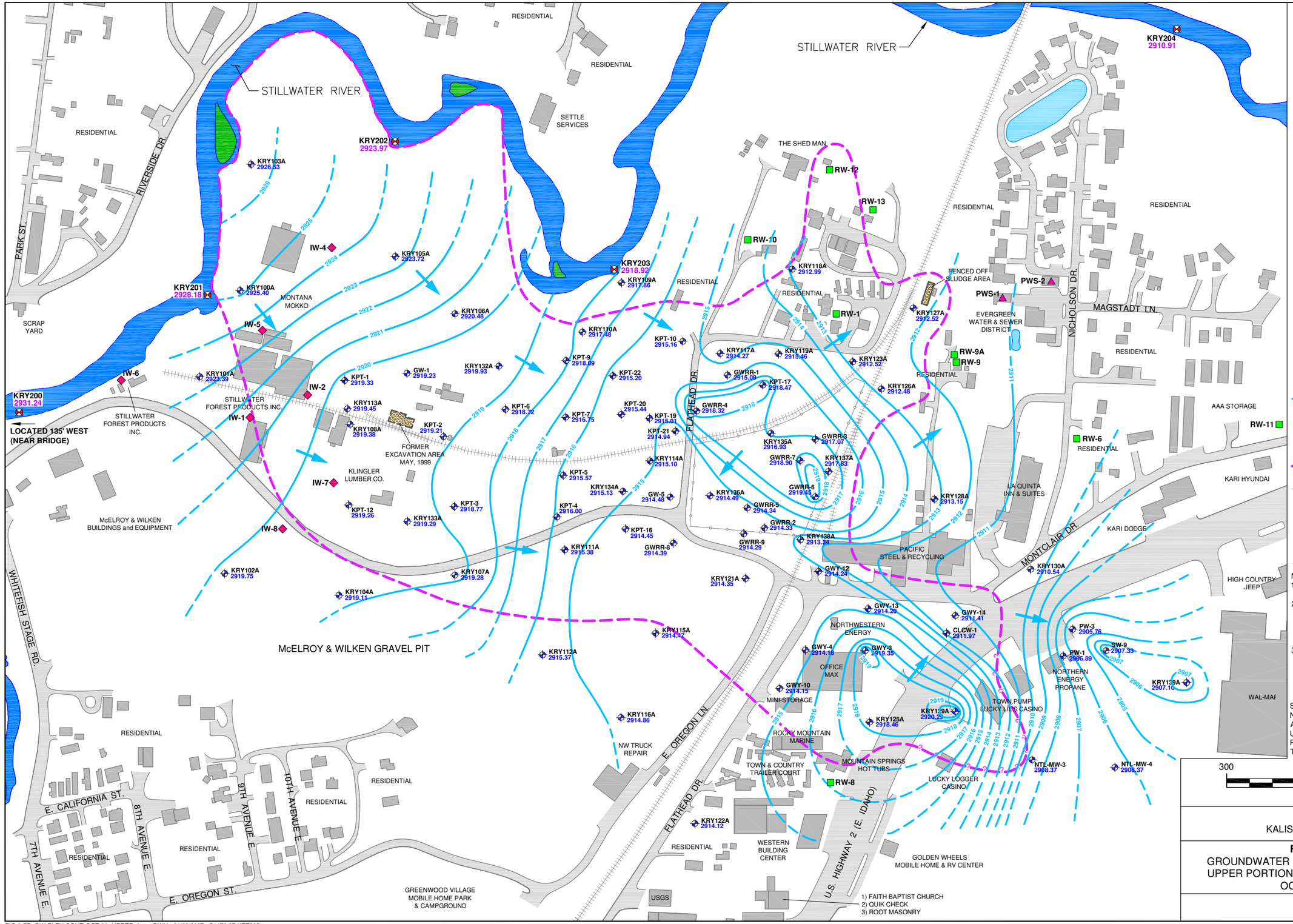
Drawn By: REP	Checked By: CC	Scale: 1" = 300'	Date: 5/21/08	File: 776004PS200608-EDITS-FS



KRY SITE
KALISPELL, MONTANA

FIGURE 2-8
GROUNDWATER ELEVATION CONTOUR MAP
LOWER PORTION OF UNCONFINED AQUIFER
AUGUST 2006

FIG 2-8_GW ELEV CONT-AUG 06_LOWER.dwg - DWH - 07/24/2007 - S1176-37-KPT010



Legend

- Monitoring Well
- 2907.10 - Groundwater Elevation in Feet Above Mean Sea Lev
- Surface Water / Sediment Sample (TtEMI 2006)
- 2910.91 - Surface Water Elevation in Feet Above Mean Sea Lev
- Industrial Well
- Public Water Supply Well
- Residential Well
- 2906 - Groundwater Elevation Contour (Located Approximately; Dashed Where Inferred)
- Groundwater Flow Directio
- Building
- Approximate KRY Site Boundary
- Fence
- Pond
- River
- Island
- Road
- Railroad

NOTES:
1. Base Figure From DEQ/TtEMI RI, Modified by Trihydro Corporation.
2. This Groundwater Elevation Contour Map Represents One Interpretation Based on Available Data From DEQ/ TtEMI Water Level Monitoring Events; Other Interpretations Are Possible.
3. The Primary Flow Direction In The Aquifer I Toward The Southeast; However, Moundin That Is Evident In Several Areas May Caus Localized Flow Patterns That Are Different From The Primary Aquifer Flow Direction.

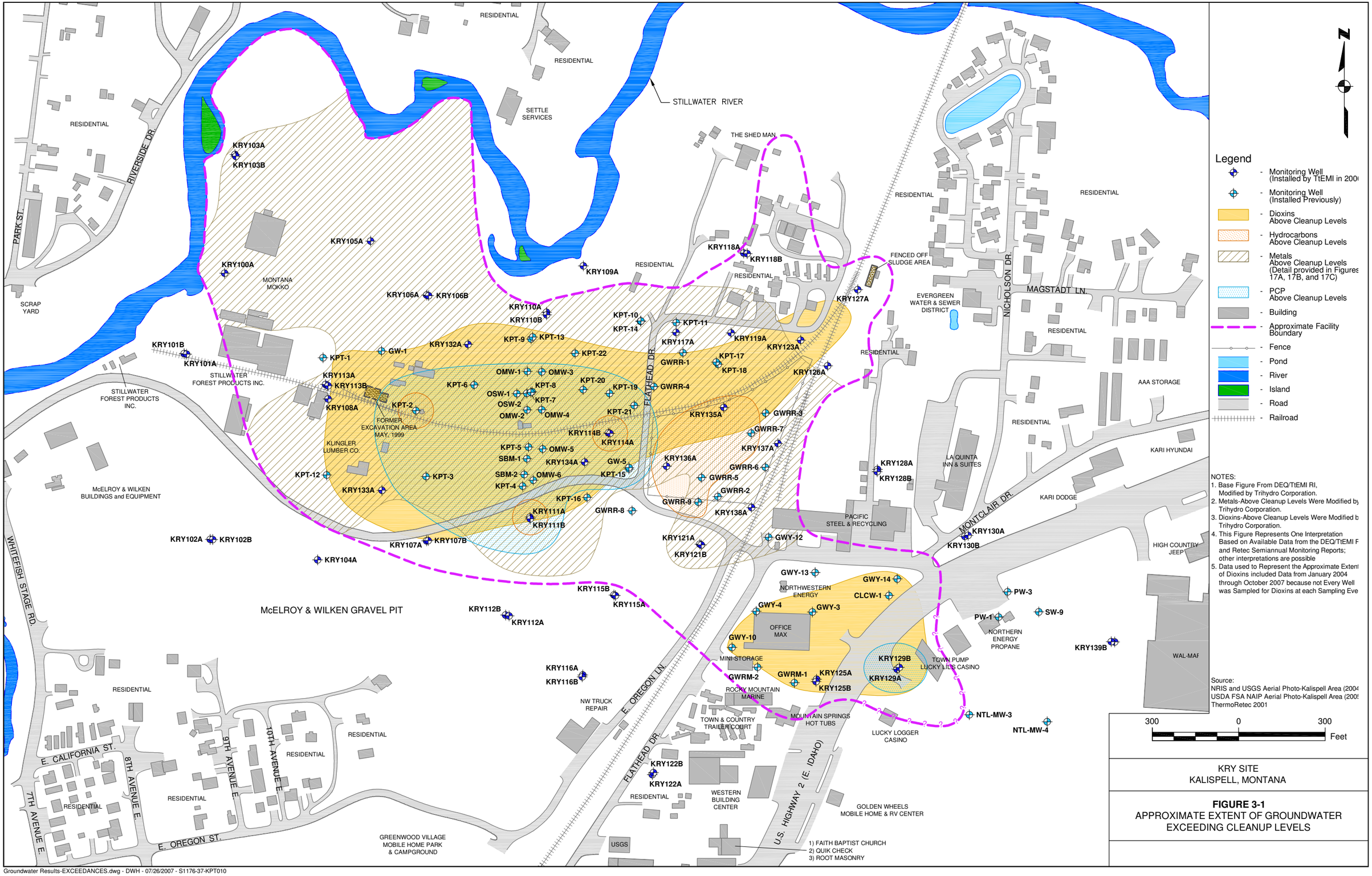
Source:
NRIS and USGS Aerial Photo-Kalispell Area (2004)
USDA FSA NAIP Aerial Photo-Kalispell Area (2005)
ThermoRetec 2001

300 0 300 Feet

KRY SITE
KALISPELL, MONTANA

FIGURE 2-9
GROUNDWATER ELEVATION CONTOUR MAP
UPPER PORTION OF UNCONFINED AQUIFER
OCTOBER 2006

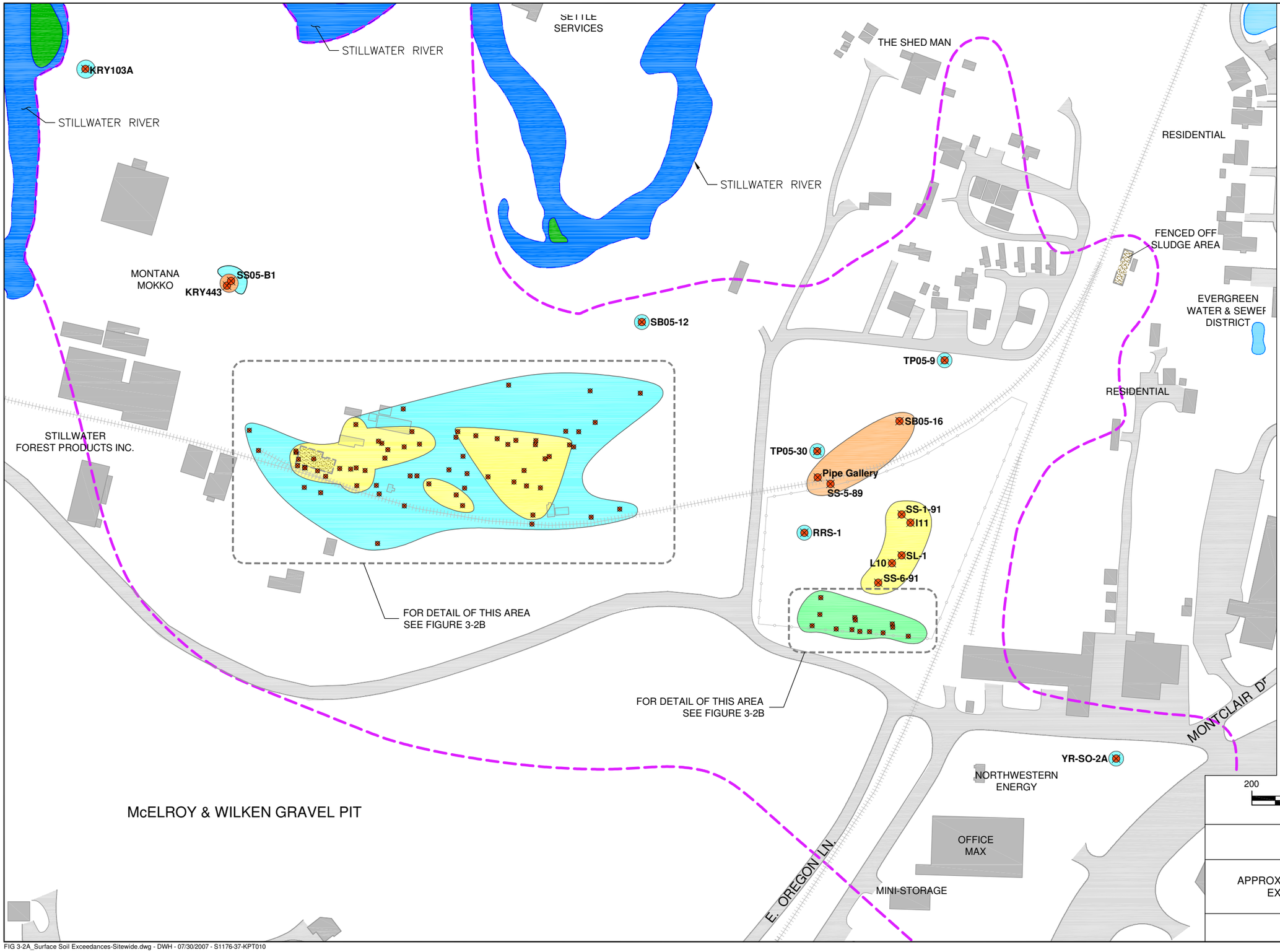
FIG 3-7B_GW ELEV CONT-OCT 06_UPPER.dwg - DWH - 01/22/2007 - S1176-37-KPT005



KRY SITE
KALISPELL, MONTANA

FIGURE 3-1
APPROXIMATE EXTENT OF GROUNDWATER EXCEEDING CLEANUP LEVELS

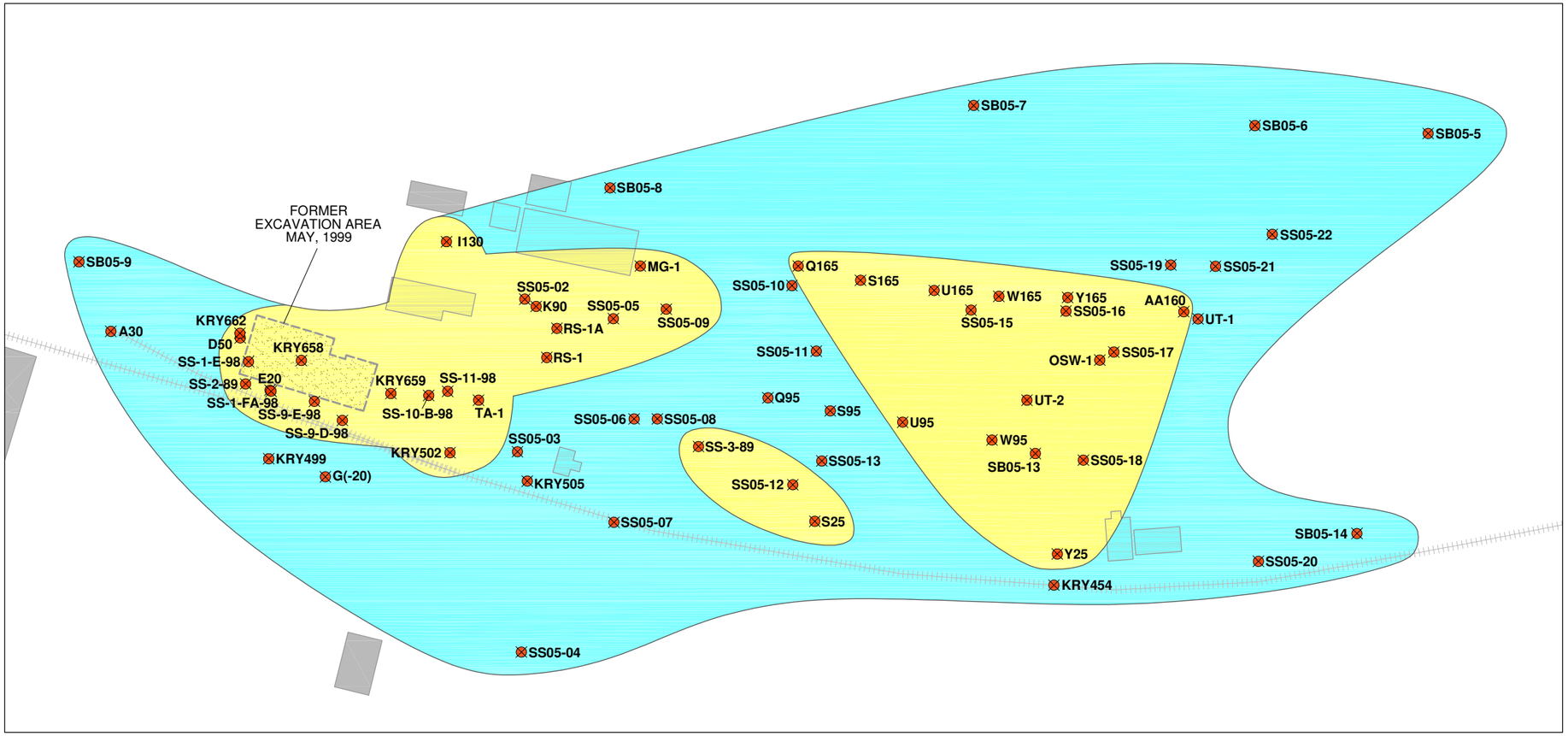
Groundwater Results-EXCEEDANCES.dwg - DWH - 07/26/2007 - S1176-37-KPT010

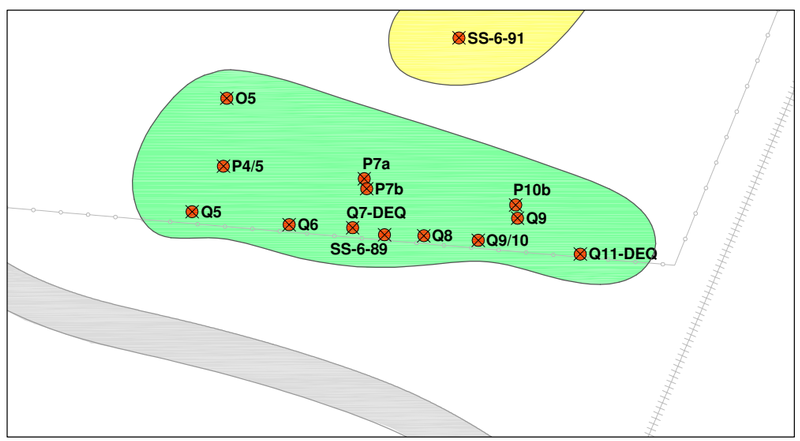


KRY SITE
KALISPELL, MONTANA

FIGURE 3-2A
APPROXIMATE EXTENT OF SURFACE SOIL EXCEEDING CLEANUP LEVELS SITEWIDE

FIG 3-2A_Surface Soil Exceedances-Sitewide.dwg - DWH - 07/30/2007 - S1176-37-KPT010





COLOR	CONSTITUENT AND ESTIMATED TOTAL AREA
	DIOXIN - 152,918 sq ft
	LEAD - 19,420 sq ft
	PCP - 80,366 sq ft
	PETROLEUM - 20,250 sq ft

Legend

- Surface Sampling Location
- Building
- Fence
- Road
- Railroad

NOTES:
1. Base Figure From DEQ/TtEMI RI, Modified by Trihydro Corporation.
2. This Figure Represents One Interpretation Based on Available Data identified as usable in the DEQ/TtEMI RI and TtEMI DSR; Other Interpretations Are Possible
3. Area of Lead Impacts modified by Trihydro Corp.
4. Sample SS-9-A-98 removed from original figure by Trihydro Corp.

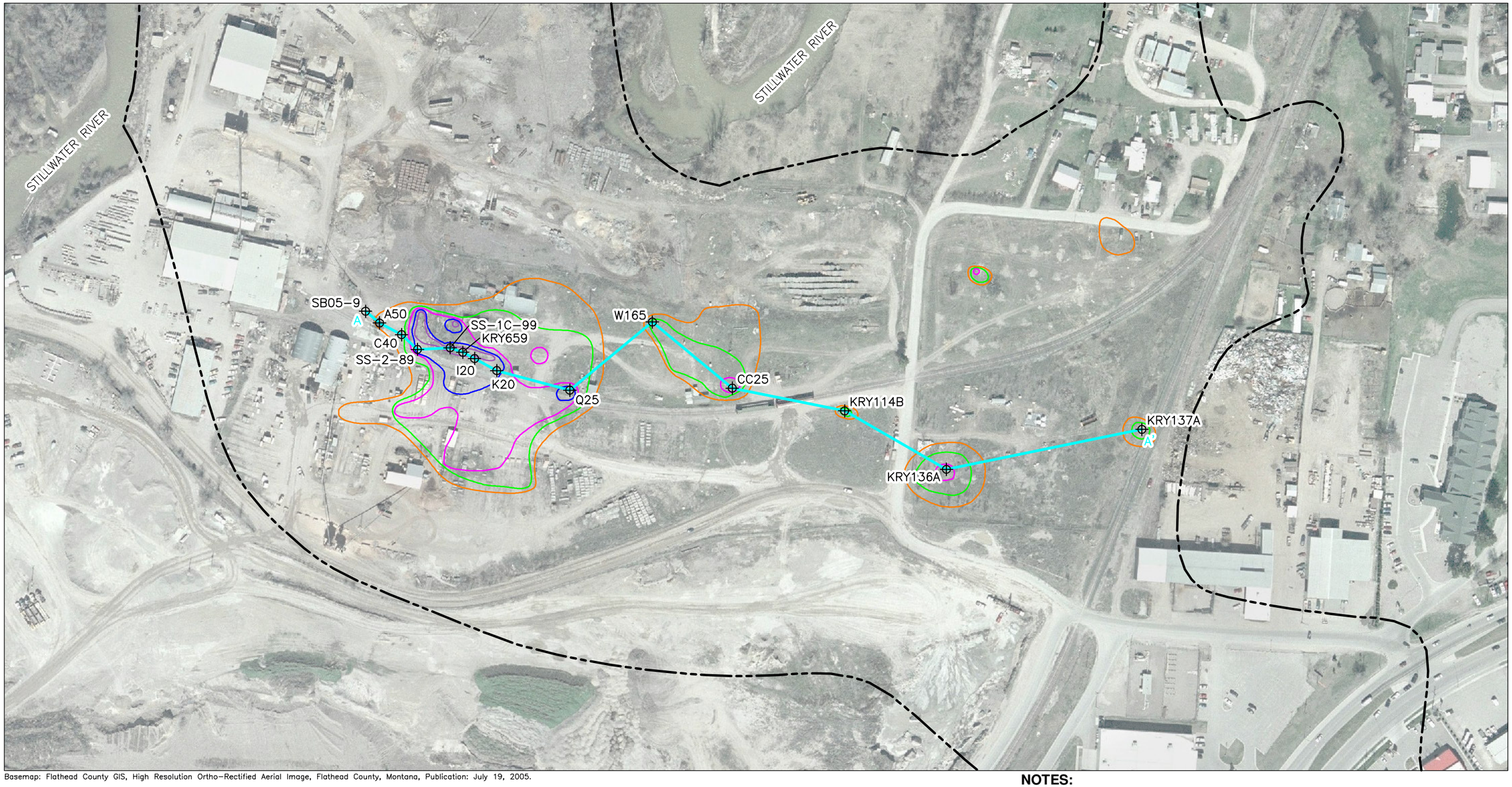
Source:
NRIS and USGS Aerial Photo-Kalispell Area (2004)
USDA FSA NAIP Aerial Photo-Kalispell Area (2005)
ThermoRetec 2001

80 0 80 Feet

KRY SITE
KALISPELL, MONTANA

FIGURE 3-2B
APPROXIMATE EXTENT OF SURFACE SOIL EXCEEDING CLEANUP LEVELS
DETAIL

FIG 3-2B_Surface Soil Exceedances-Detail.dwg - DWH - 07/30/2007 - S1176-37-KPT010



Basemap: Flathead County GIS, High Resolution Ortho-Rectified Aerial Image, Flathead County, Montana, Publication: July 19, 2005.

EXPLANATION

KRY659	BORING LOCATION AND DESIGNATION
	APPROXIMATE KRY SITE BOUNDARY
	MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 0.43 mg/kg)
	MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 1 mg/kg)
	MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 10 mg/kg)
	MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 100 mg/kg)
	MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 500 mg/kg)
	CROSS-SECTION A-A'
mg/kg	MILLIGRAMS PER KILOGRAM (ppm)
ppm	PARTS PER MILLION

N

0 200'

NOTES:

1. LOWEST PCP CLEANUP LEVEL = 0.43 mg/kg
2. THIS FIGURE REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM THE DEQ/TtEMI RI AND TtEMI DSR; OTHER INTERPRETATIONS ARE POSSIBLE

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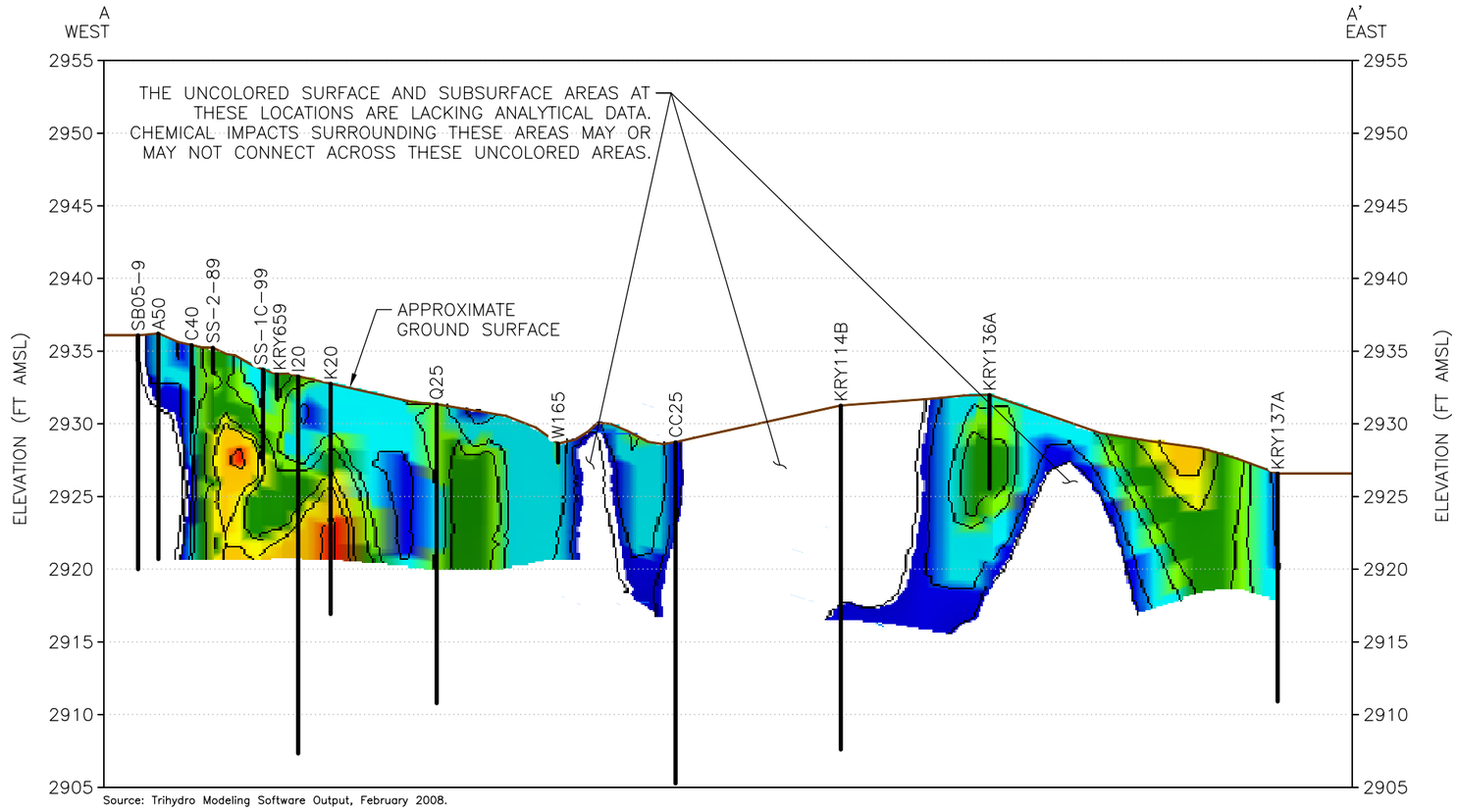
FIGURE 3-3A

PCP CONCENTRATIONS IN SUBSURFACE SOIL EXCEEDING CLEANUP LEVEL MAP VIEW

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: 1" = 200'	Date: 5/22/08	File: 776004PCP-200805-EDITS



Source: Trihydro Modeling Software Output, February 2008.

EXPLANATION

- 0.43 mg/kg TO 1 mg/kg
- 1 mg/kg TO 5 mg/kg
- 5 mg/kg TO 10 mg/kg
- 10 mg/kg TO 50 mg/kg
- 50 mg/kg TO 100 mg/kg
- 100 mg/kg TO 500 mg/kg
- 500 mg/kg TO 1000 mg/kg
- 1000 mg/kg TO 7000 mg/kg

FT AMSL	FEET ABOVE MEAN SEA LEVEL
mg/kg	MILLIGRAMS PER KILOGRAM (ppm)
ppm	PARTS PER MILLION

0 ~10'
VERTICAL

NOTES:

1. PCP CONCENTRATIONS ARE IN mg/kg
2. CHEMICAL CONCENTRATIONS ARE PRESENTED FOR SOILS BETWEEN THE GROUND SURFACE AND THE WATER TABLE
3. LOWEST PCP CLEANUP LEVEL = 0.43 mg/kg
4. THIS FIGURE REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM THE DEQ/TtEMI RI AND TtEMI DSR; OTHER INTERPRETATIONS ARE POSSIBLE

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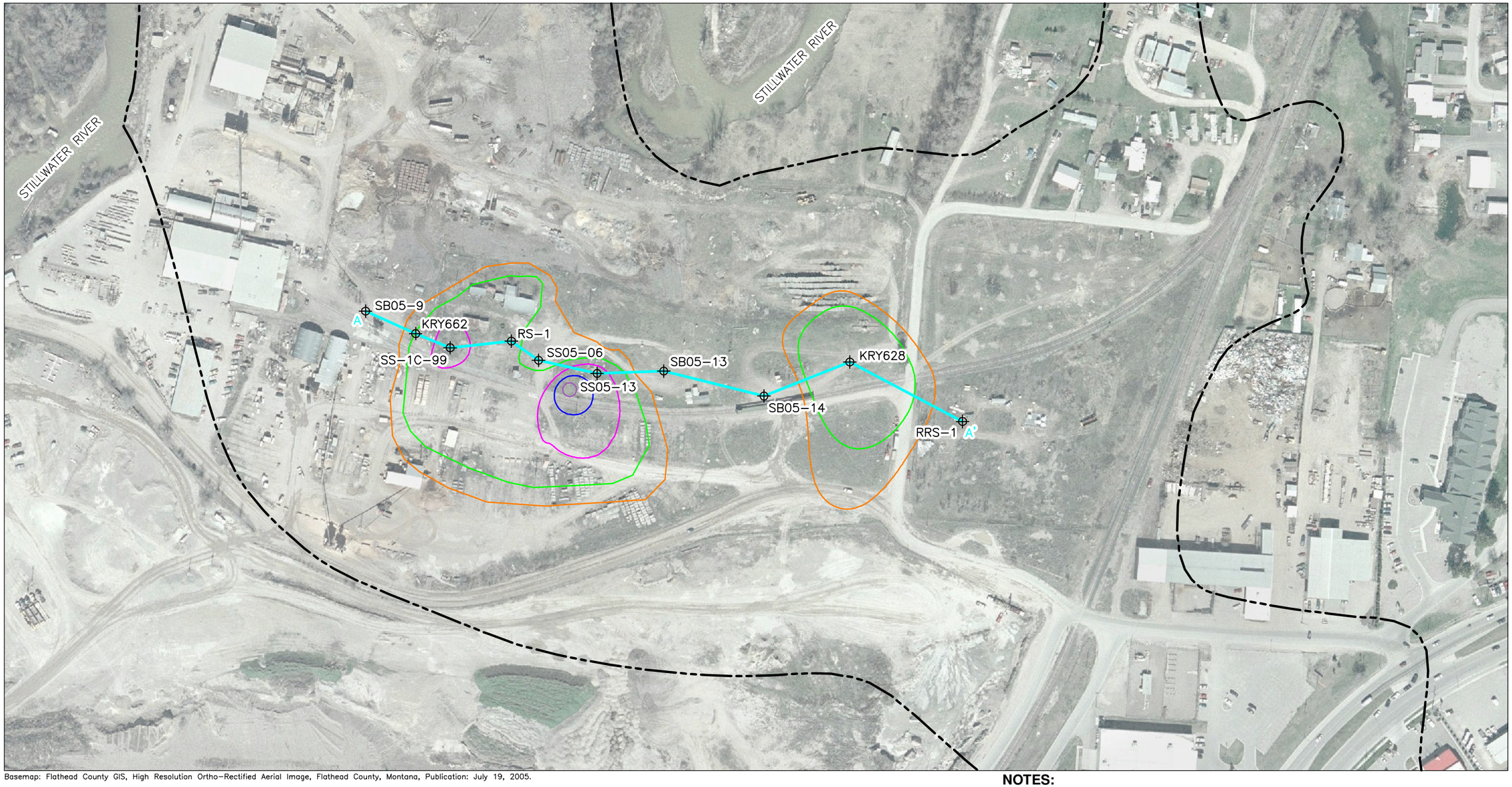
FIGURE 3-3B

PCP CONCENTRATIONS IN SUBSURFACE SOIL EXCEEDING CLEANUP LEVEL CROSS-SECTION A-A'

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: AS SHOWN	Date: 5/22/08	File: 776004PCP-200805-EDITS



Basemap: Flathead County GIS, High Resolution Ortho–Rectified Aerial Image, Flathead County, Montana, Publication: July 19, 2005.

EXPLANATION

- KRY662 — BORING LOCATION AND DESIGNATION
- APPROXIMATE KRY SITE BOUNDARY
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 736 ng/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 1000 ng/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 5000 ng/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 10000 ng/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 20000 ng/kg)
- CROSS-SECTION A-A'
- ng/kg — NANOGRAMS PER KILOGRAM (ppt)
- ppt — PARTS PER TRILLION

N

0 200'

NOTES:

1. SUBSURFACE DIOXIN/FURAN CLEANUP LEVEL =850 ng/kg
2. THIS FIGURE REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM THE DEQ/TtEMI RI AND TtEMI DSR; OTHER INTERPRETATIONS ARE POSSIBLE

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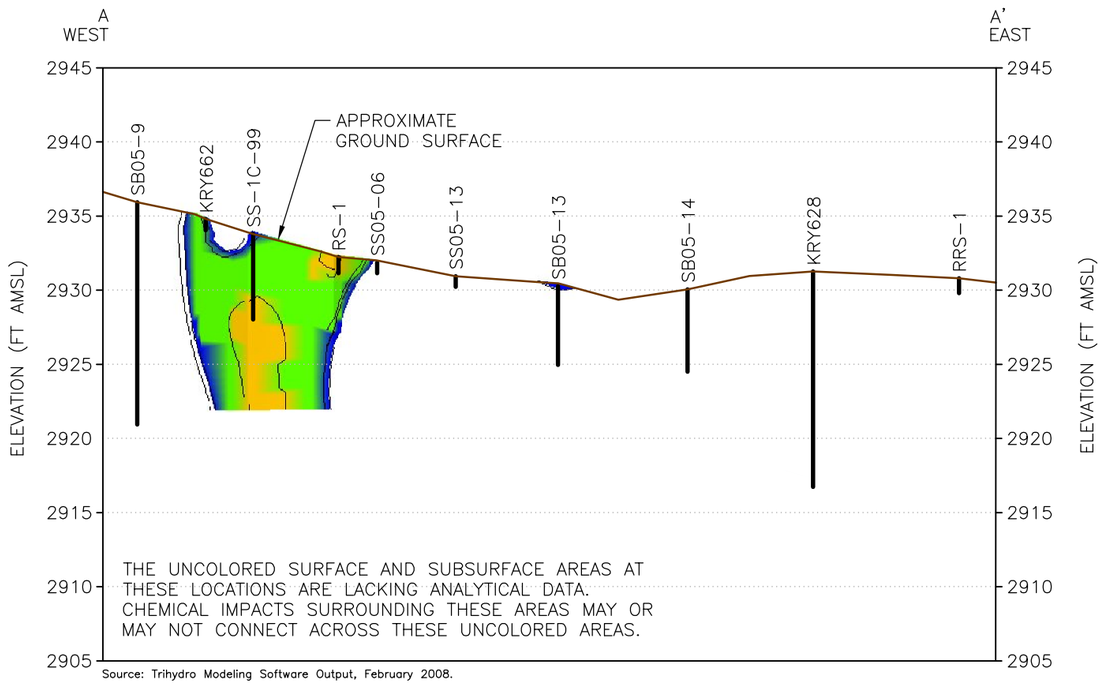
FIGURE 3-4A

DIOXIN/FURAN CONCENTRATIONS IN SUBSURFACE SOIL EXCEEDING CLEANUP LEVEL MAP VIEW

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: 1" = 200'	Date: 5/28/08	File: 776004DIOXIN-MAP200805



Source: Trihydro Modeling Software Output, February 2008.

EXPLANATION

	736 ng/kg TO 1000 ng/kg
	1000 ng/kg TO 3000 ng/kg
	3000 ng/kg TO 10000 ng/kg
FT AMSL	FEET ABOVE MEAN SEA LEVEL
ng/kg	NANOGRAMS PER KILOGRAM (ppt)
ppt	PARTS PER TRILLION

0 ~10'
VERTICAL

NOTES:

1. DIOXIN/FURAN CONCENTRATIONS ARE IN ng/kg
2. CHEMICAL CONCENTRATIONS ARE PRESENTED FOR SOILS BETWEEN THE GROUND SURFACE AND THE WATER TABLE
3. LOWEST DIOXIN/FURAN CLEANUP LEVEL = 850 ng/kg
4. THIS FIGURE REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM THE DEQ/TtEMI RI AND TtEMI DSR; OTHER INTERPRETATIONS ARE POSSIBLE

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FIGURE 3-4B

DIOXIN/FURAN CONCENTRATIONS IN SUBSURFACE SOIL EXCEEDING CLEANUP LEVEL CROSS-SECTION A-A'

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: AS SHOWN	Date: 5/22/08	File: 776004DIOXIN-XSEC200805

Basemap: Flathead County GIS, High Resolution Ortho-Rectified Aerial Image, Flathead County, Montana, Publication: July 19, 2005.

EXPLANATION

- P4 — BORING LOCATION AND DESIGNATION
- APPROXIMATE KRY SITE BOUNDARY
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 800 mg/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 2500 mg/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 5000 mg/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 10000 mg/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 15000 mg/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 20000 mg/kg)
- MAXIMUM EXTENT OF SUSPECTED SUBSURFACE CONTAMINATION (CONCENTRATION > OR = 25000 mg/kg)
- CROSS-SECTION A-A'
- mg/kg — MILLIGRAMS PER KILOGRAM (ppm)
- ppm — PARTS PER MILLION

N

0 100'

NOTES:

1. LEAD CLEANUP LEVEL = 800 MG/KG
2. THIS FIGURE REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM THE DEQ/TtEMI RI, TtEMI DSR, AND LAND & WATER CONSULTING (JULY 2002); OTHER INTERPRETATIONS ARE POSSIBLE

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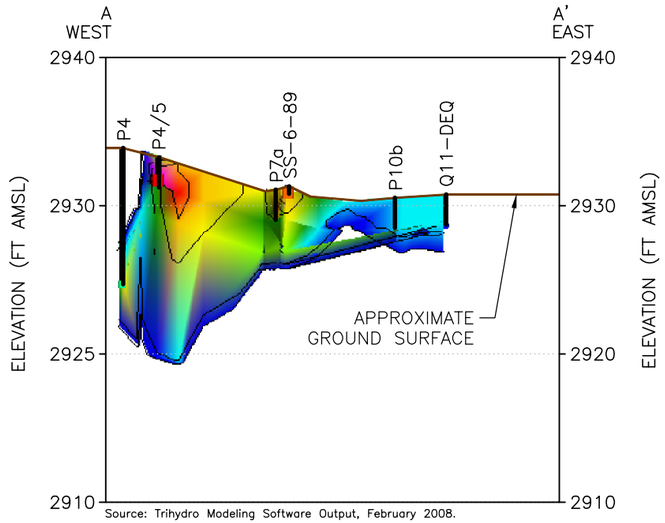
FIGURE 3-5A

LEAD CONCENTRATIONS IN SUBSURFACE SOIL EXCEEDING CLEANUP LEVEL MAP VIEW

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: 1" = 100'	Date: 5/22/08	File: 776004LEAD-200805-EDITS



Source: Trihydro Modeling Software Output, February 2008.

EXPLANATION

	800 mg/kg TO 1000 mg/kg
	1000 mg/kg TO 2500 mg/kg
	2500 mg/kg TO 5000 mg/kg
	5000 mg/kg TO 10000 mg/kg
	10000 mg/kg TO 15000 mg/kg
	15000 mg/kg TO 20000 mg/kg
	20000 mg/kg TO 25000 mg/kg
FT AMSL	FEET ABOVE MEAN SEA LEVEL
mg/kg	MILLIGRAMS PER KILOGRAM (ppm)
ppm	PARTS PER MILLION

0 ~5'
VERTICAL

NOTES:

1. LEAD CONCENTRATIONS ARE IN mg/kg
2. CHEMICAL CONCENTRATIONS ARE PRESENTED FOR SOILS BETWEEN THE GROUND SURFACE AND THE WATER TABLE
3. THIS FIGURE REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM THE DEQ/TtEMI RI, TtEMI DSR, AND LAND & WATER CONSULTING (JULY 2002); OTHER INTERPRETATIONS ARE POSSIBLE

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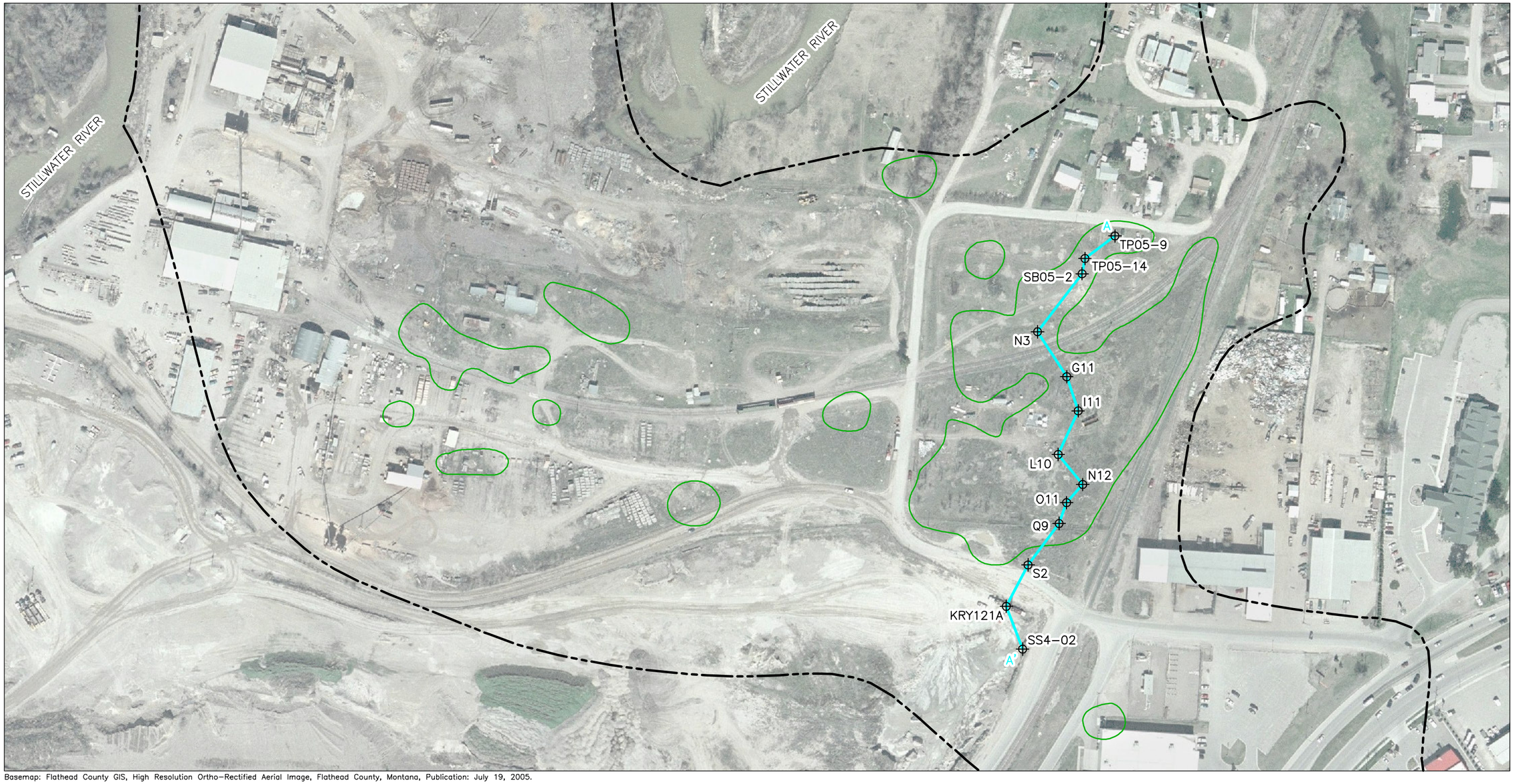
FIGURE 3-5B

LEAD CONCENTRATIONS IN SUBSURFACE SOIL EXCEEDING CLEANUP LEVEL CROSS-SECTION A-A'

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: AS SHOWN	Date: 5/22/08	File: 776004LEAD-200805-EDITS



Basemap: Flathead County GIS, High Resolution Ortho-Rectified Aerial Image, Flathead County, Montana, Publication: July 19, 2005.

EXPLANATION

- SS4-02 — BORING LOCATION AND DESIGNATION
- APPROXIMATE KRY SITE BOUNDARY
- APPROXIMATE EXTENT OF PETROLEUM HYDROCARBON CONTAMINATION
- CROSS-SECTION A-A'
- mg/kg — MILLIGRAMS PER KILOGRAM

NOTES:

1. HYDROCARBON CLEANUP LEVELS: C5-C8 ALIPHATICS (730 mg/kg)
   C9-C12 ALIPHATICS(1,550 mg/kg)
   C9-C18 ALIPHATICS(2,634 mg/kg)
   C19-C36 ALIPHATICS (260,154 mg/kg)
   C9-C10 AROMATICS (4,800 mg/kg)
   C11-C22 AROMATICS (33,445 mg/kg)
2. THIS FIGURE REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM THE DEQ/TtEMI RI AND TtEMI DSR; OTHER INTERPRETATIONS ARE POSSIBLE

N

0 200'

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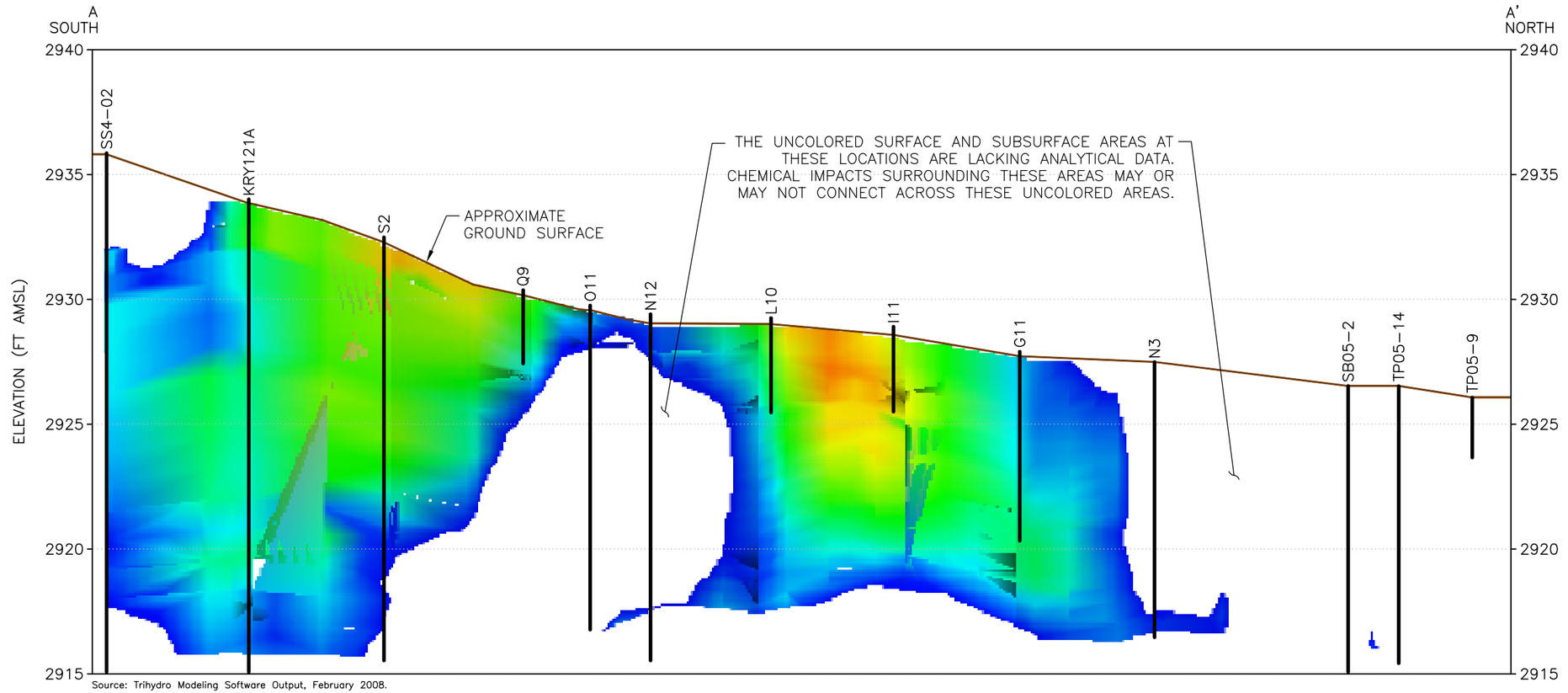
FIGURE 3-6A

PETROLEUM HYDROCARBON FRACTIONS IN SUBSURFACE SOIL EXCEEDING CLEANUP LEVEL MAP VIEW

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: 1" = 200'	Date: 5/22/08	File: 776004HYDFRC-200805-EDITS



Source: Trihydro Modeling Software Output, February 2008.

EXPLANATION

FT AMSL FEET ABOVE MEAN SEA LEVEL

THE COLORS REPRESENTED HERE MAY NOT ACCURATELY DEPICT THE CONCENTRATIONS OF ANY PARTICULAR HYDROCARBON FRACTION

NOTES:

1. HYDROCARBON CLEANUP LEVELS: C5-C8 ALIPHATICS (730 mg/kg)
   C9-C12 ALIPHATICS (1,550 mg/kg)
   C9-C18 ALIPHATICS (2,634 mg/kg)
   C19-C36 ALIPHATICS (260,154 mg/kg)
   C9-C10 AROMATICS (4,800 mg/kg)
   C11-C22 AROMATICS (33,445 mg/kg)
2. PETROLEUM HYDROCARBON FRACTION CONCENTRATIONS USED IN THIS SIMULATION ARE: C5-C8, C19-C36, C9-12, C9-C18 ALIPHATICS, AND C11-C22, C9-C10 AROMATICS
3. THIS FIGURE REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM THE DEQ/TtEMI RI AND TtEMI DSR; OTHER INTERPRETATIONS ARE POSSIBLE

0 ~5'
VERTICAL

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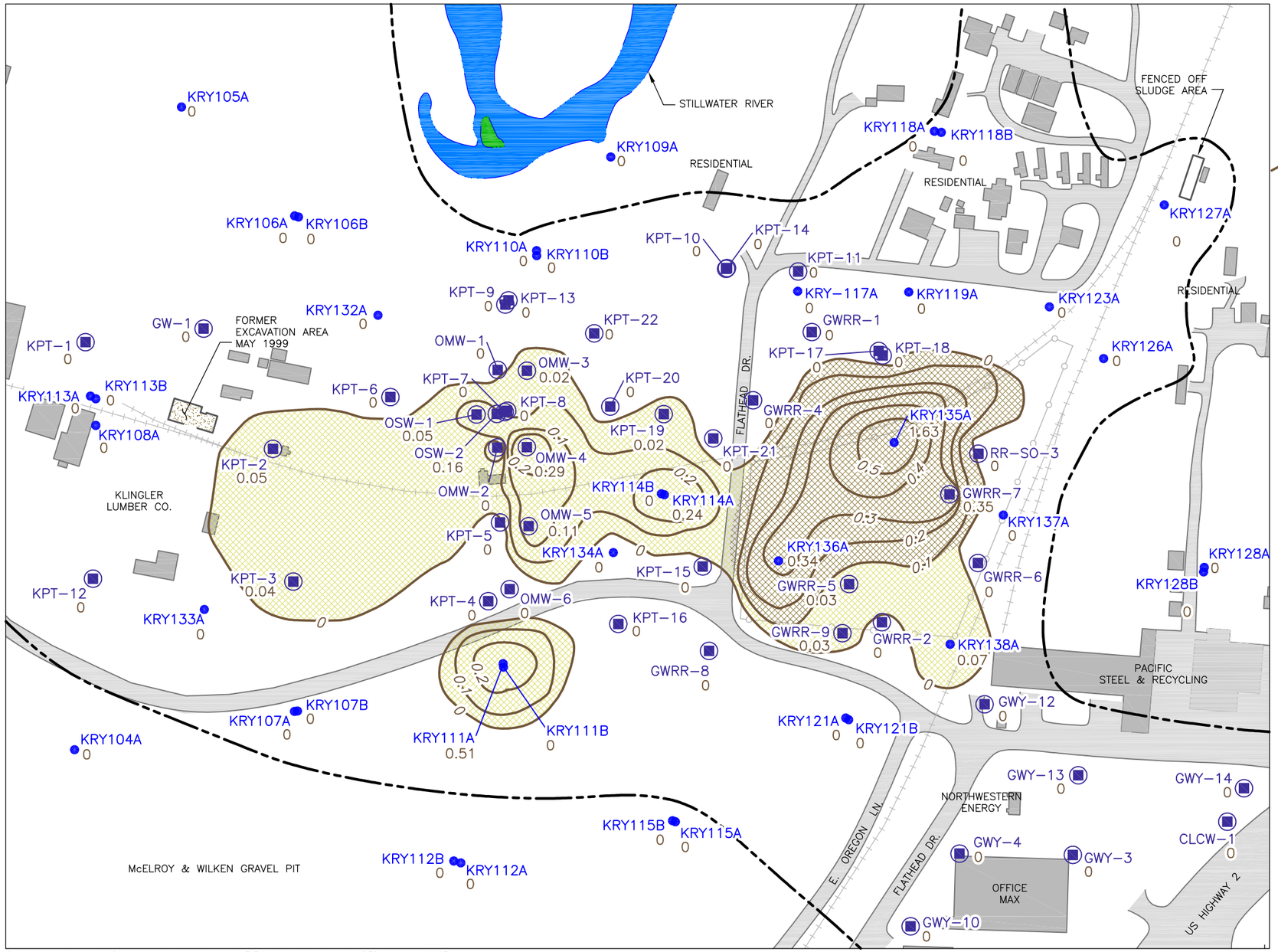
FIGURE 3-6B

PETROLEUM HYDROCARBON FRACTIONS IN SUBSURFACE SOIL EXCEEDING CLEANUP LEVEL CROSS-SECTION A-A'

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: AS SHOWN	Date: 5/22/08	File: 776004HYDFRC-200805-EDITS



EXPLANATION

- KPT–18 0 — MONITORING WELL LOCATION AND DESIGNATION (SHOWING LNAPL THICKNESS IN FEET)
- KRY127A 0 — MONITORING WELL LOCATION AND DESIGNATION (INSTALLED BY TtEMI IN 2006, SHOWING LNAPL THICKNESS IN FEET)
- 0 — LNAPL CONTOURS THICKNESS IN FEET
- APPROXIMATE KRY SITE BOUNDARY
- FENCE
- RAILROAD
- ROAD
- BUILDING OR STRUCTURE
- POND
- RIVER
- ISLAND
- PRODUCT IN SAMPLE DESCRIPTION SHEETS NOTED AS "LIGHT BROWN FLUID"
- PRODUCT IN SAMPLE DESCRIPTION SHEETS NOTED AS "THICK BLACK/ BROWN FLUID OR SIMILAR"

NOTES:

1. LNAPL PRESENCE IS INFERRED IN THE AREAS BETWEEN WELLS WITH DOCUMENTED LNAPL OCCURRENCES.
2. THIS FIGURE REPRESENTS ONE INTERPRETATION BASED ON AVAILABLE DATA FROM DEQ/TtEMI RI AND MONTHLY PRODUCT THICKNESS MEASUREMENTS; OTHER INTERPRETATIONS ARE POSSIBLE

Source: Modified from Site Vicinity Map created by TtEMI, and provided by MDEQ, January 2007.

N

0 200'

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FIGURE 3-7

AVERAGE LNAPL THICKNESS AND PRODUCT TYPE (AUGUST 2006 THRU JULY 2007)

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: 1" = 200'	Date: 5/21/08	File: 776004LNAPL200805

Source: Modified from Site Vicinity Map provided by TtEMI, January 2007.

EXPLANATION

- Q11(4.5) — SOIL BORING LOCATION AND DESIGNATION (WITH INDICATION OF DEPTH OF SLUDGE IN FEET)
- YR-SO-1 — SOIL SAMPLE OR BORING LOCATION AND DESIGNATION (WITH NO MATERIAL DESCRIPTION PROVIDED OR NO SLUDGE INDICATED)
- GWY-12 — MONITORING WELL LOCATION AND DESIGNATION
- KRY121B — MONITORING WELL LOCATION AND DESIGNATION (INSTALLED BY TtEMI IN 2006)
- APPROXIMATE KRY SITE BOUNDARY
- FENCE
- RAILROAD
- APPROXIMATE EXTENT OF SLUDGE
- ROAD
- BUILDING OR STRUCTURE

NOTE:
SLUDGE AREAS INTERPRETED FROM DATA PRESENTED IN THE PTS PHASE I RI AND THE DEQ/TtEMI RI.

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FIGURE 3-8

SLUDGE EXTENT MAP

KRY SITE
KALISPELL, MONTANA

Drawn By: REP	Checked By: CC	Scale: 1" = 60'	Date: 5/27/08	File: 776004SLUDGEEXT200805