

# Appendix D



## Photographs

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 1



Date: 9/25/24

Description: Visible staining at the shop entrance (view east)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 2



Date: 9/25/24

Description: Visible surface stain near TP05 (view west)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 3



Date: 9/25/24

Description: Advancement of Test Pit 03 (view southwest)

Photographic Log  
*Kawerak 2024 – Elim Site Investigations*

Photo # 4



Date: 9/25/24

Description: Organics from Test Pit 03 from a previous brush clearing (view down)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 5



Date: 9/25/24

Description: PID Heated Head Space screening in progress for Test Pit 03 (view down)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 6



Date: 9/26/24

Description: Advancement of Test Pit 14 (view East)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 7



Date: 9/26/24

Description: Collection of soil for Heated Head Space field screening at Test Pit 14 (view down)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 8



Date: 9/26/24

Description: Landfill debris from Test Pit 14 at 8-ft below ground surface (view down)

**Photographic Log**  
**Kawerak 2024 – Elim Site Investigations**

**Photo # 9**



Date: 9/26/24

Description: Trash and landfill debris near the base of Test Pit 13 (view down)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 10

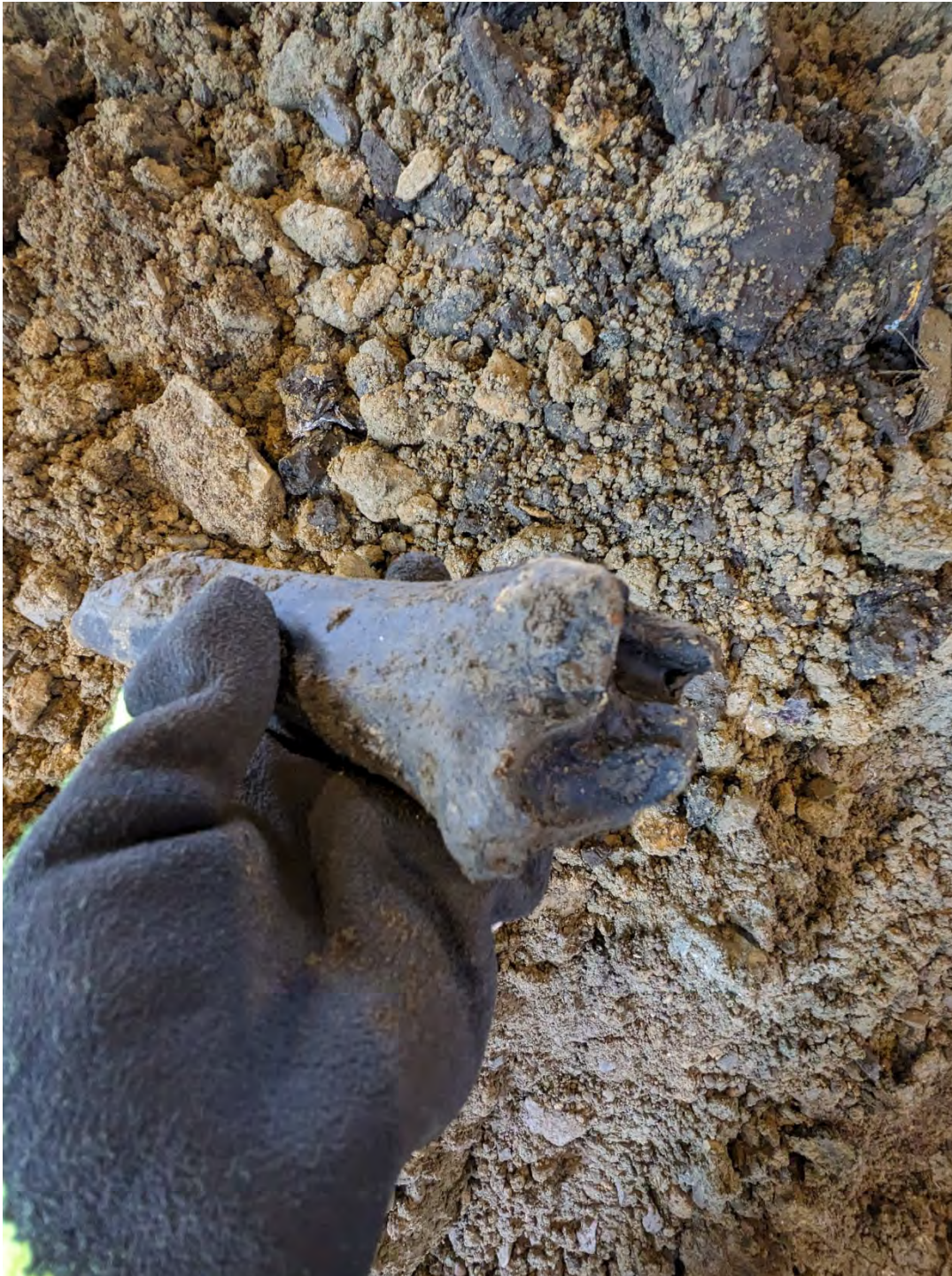


Date: 9/26/24

Description: Collecting depth measurements of Test Pit 10 inside the Old City Shop (view East)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 11



Date: 9/26/24

Description: Burnt caribou femur (?) found within the landfill debris layer of Test Pit 10 (view down)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 12



Date: 9/26/24

Description: Advancement of Test Pit 12 (view north)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 13



Date: 9/27/24

Description: Inspecting the topsoil of Test Pit 16 with black oily staining and petroleum odor.

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 14



Date: 9/27/24

Description: Backfilling Test Pit 16 (view south)

Photographic Log  
Kawerak 2024 – Elim Site Investigations

Photo # 15



Date: 9/27/24

Description: Fiber glass debris discovered in Test Pit 01 (view west)

# Appendix E



Test Pit Logs

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP01
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/27/2024 14:31	COMPLETED: 9/27/2024 14:50	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 7.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, light brown, moist, firm, 12% rounded gravels; 10% fine sand, up to 5% rootlets	0	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, moist, firm, 12% angular schistose and quartzite gravels; 10% fine sand	0	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, moist, firm, 12% angular schistose and quartzite gravels; 10% fine sand, fiberglass debris present	0	Fiberglass debris
3 - 4	---	ML	CLAYEY SANDY SILT, dark grey/green, stiff, damp, very fine silt, 15% clay, 10% very fine sand	0.2	
4 - 5	24ELISO-TP01-5.0	ML	CLAYEY SANDY SILT, dark grey/green, stiff, damp, very fine silt, 15% clay, 10% very fine sand	0.3	
5 - 6	---	ML	CLAYEY SANDY SILT, dark grey/green, stiff, damp, very fine silt, 15% clay, 10% very fine sand	0.3	Minor debris noted
6 - 7	---	SM	SILTY GRAVELLY SAND, red/brown, dense, damp, fine sand, 30% silt, 12% gravel	0	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP02
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/25/2024 15:05	COMPLETED: 9/25/2024 15:53	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 9.5 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: Encountered quartzite bedrock at 9.5 ft	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	OL	ORGANIC SILT, dark brown, firm, moist, rootlets present	0.7	No odor
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, damp, 15% dark grey, angular gravel up to 3" size, 10% fine sand	1.3	No odor
2 - 3	---	OL	ORGANIC CLAYEY SILT, dark brown, firm, dry, silt, 20% clay, large alder roots from previous bush cleaning	1.2	Organic odor
3 - 4	---	OL	ORGANIC CLAYEY SILT, dark brown, firm, dry, silt, 20% clay, large alder roots from previous bush cleaning	2.5	Organic odor
4 - 5	---	CL	CLAY, dark grey, firm, damp, clay, with large black alder roots	4.1	Organic odor
5 - 6	---	CL	CLAY, dark grey, firm, damp, clay, with large black alder roots	3.2	Organic odor
6 - 7	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 15% dark grey, angular gravel up to 3" size, 10% fine sand	5.2	No odor
7 - 8	---	ML	GRAVELLY SANDY SILT, light grey firm, dry, 15% dark grey, angular gravel up to 3" size, 10% fine sand	4.4	Chemical/rubber odor
8 - 9	---	ML	SANDY CLAYEY SILT with gravel, light grey firm, dry, 15% fine sand, 15% clay, 10% dark grey, angular gravel up to 3" size	0.9	No odor
9 - 9.5	24ELISO-TP02-9.5	CL	SILTY SANDY CLAY with gravel, light brown, dry, 30% silt, 10% fine sand, 10% coarse gravels to cobbles 8" size.	1	No odor

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP03
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/25/2024 13:35	COMPLETED: 9/25/2024 14:30	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 7.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: No signs of contamination	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	OL	ORGANIC SILT, dark brown, firm, moist, rootlets present	0.5	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, damp, 15% dark grey, angular gravel up to 3" size, 10% fine sand	0.2	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 15% dark grey, angular gravel up to 3" size, 10% fine sand, minor iron oxide staining on gravel	0.6	
3 - 4	---	GM	SILTY SANDY GRAVEL, dark grey angular gravel, dense, dry, 40% light brown silt, 5% fine sand	0.5	Large gravel from pad (laid down in the 1980's?)
4 - 5.5	---	GM	SILTY SANDY GRAVEL, dark grey angular gravel, dense, dry, 20% light brown silt, 15% fine sand	0.4	Large gravel from pad (laid down in the 1980's?)
5.5 - 6	---	PT/CL	@ 5.5' PEAT, dark brown, firm, damp, 1" thick organic peat layer @ 5.6' CLAY, grey, firm, damp	1	
6 - 7	24ELISO-TP03-7.0	ML	SANDY SILT, Light brown/grey, stiff, dry, 20% fine sand	0.9	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP04
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/27/2024 13:55	COMPLETED: 9/27/2024 14:17	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 8.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION (USCS)	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT with clay, dark brown, firm, dry, 12% angular gravel up to 3" size, 10% fine sand, 10% clay	0	
1 - 2	---	ML	GRAVELLY SANDY SILT with clay, dark brown, firm, dry, 12% angular gravel up to 3" size, 10% fine sand, 10% clay	0	
2 - 3	---	ML	GRAVELLY SANDY SILT with clay, light brown, firm, dry, 15% angular gravel up to 3" size, 10% fine sand, 10% clay	0	
3 - 4	---	ML	GRAVELLY SANDY SILT with clay, light brown, firm, dry, 15% angular gravel up to 6" size, 10% fine sand, 10% clay	0	
4 - 5	---	ML	GRAVELLY SANDY SILT with clay, light brown, firm, dry, 15% angular gravel up to 8" size, 10% fine sand, 10% clay	0	
5 - 6	---	ML	GRAVELLY SANDY SILT with clay, light brown, firm, dry, 15% angular gravel up to 8" size, 10% fine sand, 10% clay	0	
6 - 7	---	OL	ORGANIC SANDY SILT, dark brown, organic, firm, damp, silt, 20% very fine sand	0	
7 - 8	24ELISO-TP04-8.0	SM	SILTY GRAVELLY SAND, red/brown, dense, dry, oxidized fine sand, 35% silt, 12% gravel	0	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP05
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/26/2024 16:30	COMPLETED: 9/26/2024 16:41	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 4.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	SANDY SILT, dark brown, firm, dry, silt, 15% fine sand, alder roots present	0	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown/yellow, firm, dry, fine silt, 15% angular schistose and quartzite gravel up to 1" size, 10% fine sand	0.2	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown/yellow, firm, damp, fine silt, 15% angular schistose and quartzite gravel up to 1" size, 10% fine sand	0.4	
3 - 4	24ELISO-TP05-4.0	ML	GRAVELLY SANDY SILT, light brown/yellow, firm, dry, fine silt, 15% angular schistose and quartzite gravel up to 1" size, 10% fine sand	0.3	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP06
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/26/2024 11:41	COMPLETED: 9/26/2024 12:05	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 9.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	2.8	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	2.2	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	0.3	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	0.2	
4 - 5	---	ML	SANDY SILT, Dark grey/brown, firm, dry, 10% fine sand	0.5	debris noted
5 - 6	---	ML	SANDY SILT, Dark grey/brown, firm, dry, 5% fine sand	1	
6 - 7	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	0.4	
7 - 8	---	ML	GRAVELLY SANDY SILT, light brown, firm, damp, 25% angular gravel up to 3" size, 10% fine sand	0.7	
8 - 9	24ELI-TP06-9.0	ML	SILT, Orange, stiff, dry, very fine grained	0.8	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP07
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/26/2024 10:02	COMPLETED: 9/26/2024 10:33	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 9.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	1.5	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	1.7	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	2.6	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	3.3	
4 - 5	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 5% fine sand	3.3	
5 - 6	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 5% fine sand	3.2	
6 - 7	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 5% fine sand	---	
7 - 8	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 5% fine sand	2.9	
8 - 9	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 5% fine sand	3.6	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP08
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: Next to blue open top, super sacks, and grey sand	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/25/2024 16:05	COMPLETED: 9/25/2024 16:58	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 9.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	24ELISO-TP08-1.0 (Primary) & 24ELISO-TP99-1.0 (Duplicate)	SP	GRAVELLY SAND, dark brown, fine - coarse grained sand, loose, dry, 15% fine gravel, black staining	238	Petroleum odor
1 - 2	---	SP	GRAVELLY SAND, dark brown, fine - coarse grained sand, medium dense, dry, 15% fine gravel, red linear staining	173	
2 - 3	---	ML	GRAVELLY SILT, light brown, very fine silt, stiff, dry, 15% schistose gravel	105	
3 - 4	---	ML	GRAVELLY SILT, grey brown, stiff, dry, very fine silt, 15% schistose gravel	10.8	
4 - 5	---	ML	GRAVELLY SILT, grey brown, stiff, dry, very fine silt, 15% schistose gravel	145	Old liner encountered at 5 ft
5 - 6	24ELISO-TP08-6.0	ML	SANDY SILT, grey, dense, dry, 20% very fine sand, black staining under liner, wood sticks	1	Rubber/burn odor
6 - 7	---	ML	SANDY SILT, grey, stiff, dry, 20% very fine sand	3.2	
7 - 8	---	SM	SILTY SAND, light brown, dense, damp, fine - medium grained sand with iron oxide staining, 40% silt	0.9	
8 - 9	---	SM	SILTY SAND, light brown, dense, dry, fine - medium grained sand with iron oxide staining, 40% silt	---	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Former Koyuk City Tank Farm	TEST PIT ID: TP09
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/26/2024 15:10	COMPLETED: 9/26/2024 15:34	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 10.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, brown, firm, dry, 15% angular gravel up to 3" size, 10% fine sand	2.5	
1 - 2	---	ML	GRAVELLY SANDY SILT, brown, firm, dry, 15% angular gravel up to 3" size, 10% fine sand	1	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown/orange, firm, dry, fine silt, 15% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0.4	Organic odor
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown/orange, firm, damp, fine silt, 15% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0.5	Organic odor
4 - 5	---	ML	GRAVELLY SANDY SILT, light brown/orange, firm, dry, fine silt, 15% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0.5	
5 - 6	---	ML	GRAVELLY SANDY SILT, light brown/orange, firm, dry, fine silt, 15% angular schistose and quartzite gravel up to 3" size, 10% fine sand	---	
6 - 7	---	ML	GRAVELLY SANDY SILT, brown, firm, dry, fine silt, 10% angular schistose and quartzite gravel up to 1" size, 10% fine sand	0.5	Organic odor
7 - 8	---	ML	GRAVELLY SANDY SILT, brown, firm, dry, fine silt, 10% angular schistose and quartzite gravel up to 1" size, 10% fine sand	1.7	Liner found
8 - 9	---	ML	GRAVELLY SANDY SILT, brown, firm, dry, fine silt, 10% angular schistose and quartzite gravel up to 1" size, 10% fine sand, landfill debris present	1.7	Landfill material/debris encountered; tin can
9 - 10	24ELISO-TP09-10.0	ML	GRAVELLY SANDY SILT, brown, firm, dry, fine silt, 10% angular schistose and quartzite gravel up to 1" size, 10% fine sand	1.2	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Former Koyuk City Tank Farm	TEST PIT ID: TP10
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Excavator	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 7/9/2024 15:15	COMPLETED: 7/9/2024 15:45	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 11.0 FT.	EQUIPMENT: _____	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand, staining on the surface	3.1	Petroleum odor
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	1.1	Petroleum odor
2 - 3	24ELISO-TP10-3.0	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	6.8	Petroleum odor
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	1.5	
4 - 5	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	0.4	Cave-ins frequent
5 - 6	---	ML	SANDY SILT, light brown, stiff, dry, 5% fine sand	0.4	
6 - 7	---	ML	SANDY SILT, light brown, stiff, dry, 5% fine sand	---	
7 - 8	---	ML	SANDY SILT, dark brown, stiff, dry, 5% fine sand	0.6	Liner found
8 - 9	---	ML	SANDY SILT, dark brown, stiff, dry, 5% fine sand	0.9	Organic odor
9 - 10	---	ML	SANDY SILT, dark brown, stiff, dry, 5% fine sand	0.8	Landfill debris; glass from 50's and 60's
10 - 11	---	ML	GRAVELLY SANDY SILT, light yellow/brown, stiff, dry, 25% angular gravel up to 3" size, 5% fine sand	0.3	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TPII
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/27/2024 8:24	COMPLETED: 9/27/2024 9:03	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 9.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	SANDY GRAVELLY SILT, Dark brown, firm, dry, 10% fine sand, 5% rounded gravel up to 1" size	0	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 15% angular schistose and quartzite gravel up to 6" size, 10% fine sand	0	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 15% angular schistose and quartzite gravel up to 8" size, 10% fine sand	0	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 15% angular schistose and quartzite gravel up to 8" size, 10% fine sand	---	
4 - 5	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 15% angular schistose and quartzite gravel up to 8" size, 10% fine sand	0	
5 - 6	---	PT	SILTY SANDY ORGANIC SOIL, dark brown, soft, dry, heavy alder brush, 40% silt, 10% fine sand	2	
6 - 7	---	PT	SILTY SANDY ORGANIC SOIL, dark brown, soft, damp, heavy alder brush, 40% silt, 10% fine sand	---	
7 - 8	---	ML	GRAVELLY SANDY SILT, light brown/yellow, firm, dry, 15% angular schistose and quartzite gravel up to 1" size, 10% fine sand	0	
8 - 9	24ELISO-TPII-9.0	ML	GRAVELLY SANDY SILT, light brown/yellow, firm, dry, 15% angular schistose and quartzite gravel up to 1" size, 10% fine sand	0	Cave-in

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP12
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/26/2024 17:00	COMPLETED: 9/26/2024 17:30	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 9.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, light grey, firm, dry, 25% angular schistose and quartzite gravel up to 5" size, 10% fine sand	0.3	
1 - 2	---	ML	GRAVELLY SANDY SILT, light grey, firm, dry, 25% angular schistose and quartzite gravel up to 5" size, 10% fine sand	---	
2 - 3	---	ML	GRAVELLY SANDY SILT, light grey, firm, dry, 25% angular schistose and quartzite gravel up to 5" size, 10% fine sand	---	
3 - 4	---	ML	GRAVELLY SANDY SILT, light grey, firm, dry, 25% angular schistose and quartzite gravel up to 5" size, 10% fine sand	0.2	
4 - 5	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0.5	
5 - 6	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0.5	
6 - 7	---	ML	GRAVELLY SANDY SILT, light brown, firm, damp, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0.3	
7 - 8	---	ML	SANDY CLAYEY SILT, dark brown, stiff, dry, 15% fine sands, 10% clay, landfill debris present	0.7	Landfill debris
8 - 9	24ELISO-TP12-9.0 (Primary) & 24ELISO-TP120-9.0 (Duplicate)	ML	SANDY CLAYEY SILT, light brown/yellow, stiff, dry, 15% fine sands, 10% clay, landfill debris present	0.2	Landfill debris

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP13
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/26/2024 10:45	COMPLETED: 9/26/2024 11:25	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 9.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	1.4	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular gravel up to 3" size, 10% fine sand	2	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular schistose gravel up to 3" size, 10% fine sand	1.6	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular schistose gravel up to 3" size, 10% fine sand	3.3	
4 - 5	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular schistose gravel up to 3" size, 10% fine sand, old alder debris present	3.6	
5 - 6	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular schistose gravel up to 3" size, 10% fine sand, old alder debris present	6.5	
6 - 7	---	ML	SANDY SILT, dark brown, firm, dry, 10% fine sand, burnt alder debris present	5.1	Burnt/trash odor
7 - 8	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular schistose gravel up to 3" size, 10% fine sand	---	
8 - 9	24ELISO-TPI3-9.0	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 25% angular schistose gravel up to 3" size, 10% fine sand	5.7	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: <u>Elim Site Investigations</u>	TEST PIT ID: <u>TP14</u>
CLIENT: <u>Kawerak, Inc.</u>	SCIENTIST: <u>Jackie Rowley/Lauren Jennings</u>	STATE: <u>Alaska</u>
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: <u>ChemTrack/Esker</u>	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: <u>Backhoe</u>	PROJECT NAME: <u>Kawerak Brownfields Assessment Grant</u>	HORIZ. DATUM _____
STARTED: <u>9/26/2024 8:15</u>	COMPLETED: <u>9/26/2024 9:39</u>	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: <u>Russel (Operator) and Kayla Bourdon (Kawerak)</u>	
TOTAL DEPTH: <u>15.0</u> FT.	EQUIPMENT: <u>Backhoe</u>	
DEPTH TO WATER: <u>NA</u>	PIT DIMENSIONS: <u>2 FTx3 FT</u>	
BACKFILL MATERIAL: <u>Excavated soil</u>	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 10% dark grey, angular gravel up to 3" size, 10% fine sand	0.5	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 10% dark grey, angular gravel up to 3" size, 10% fine sand	0.2	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 10% dark grey, angular gravel up to 3" size, 10% fine sand	---	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 10% dark grey, angular gravel up to 3" size, 10% fine sand	0.3	
4 - 5	---	ML	GRAVELLY SANDY SILT, dark brown, stiff, dry, 25% coarse dark grey, angular gravel up to 5" size, 10% fine sand, old trash debris	---	
5 - 6	---	ML	GRAVELLY SANDY SILT, dark brown, stiff, damp, 25% coarse dark grey, angular gravel up to 5" size, 10% fine sand, old trash debris	0	Slight old petroleum/burnt odor
6 - 7	---	ML	GRAVELLY SANDY SILT, dark brown, stiff, dry, 25% coarse dark grey, angular gravel up to 5" size, 10% fine sand, old trash debris	6	Slight old petroleum/burnt odor
7 - 8	24ELISO-TP14-8.0	ML	GRAVELLY SANDY SILT, dark brown, stiff, dry, 25% coarse dark grey, angular gravel up to 5" size, 10% fine sand, old trash debris	7	Slight old petroleum/burnt odor; Liner encountered
8 - 9	---	ML	GRAVELLY SANDY SILT, dark brown, stiff, damp, 25% coarse dark grey, angular gravel up to 5" size, 10% fine sand, old trash debris	9.3	Slight old petroleum/burnt odor
9 - 10	---	ML	SANDY GRAVELLY SILT, light brown, stiff, dry, 25% fine high silica sand, 25% coarse, angular gravel up to 5" size, oxidation present	7.2	
10 - 11	---	ML	SANDY GRAVELLY SILT, light brown, stiff, dry, 25% fine high silica sand, 25% coarse, angular gravel up to 5" size, oxidation present	1.1	
11 - 12	---	ML	SANDY GRAVELLY SILT, light brown, stiff, dry, 25% fine high silica sand, 25% coarse, angular gravel up to 5" size, oxidation present	3	
12 - 13	---	CL	GRAVELLY SILTY CLAY, light yellow/brown, stiff, dry, platy clay, 25% weathered quartzite bedrock up to 5" size, 20% silt, oxidation noted	3.3	
13 - 14	---	CL	GRAVELLY SILTY CLAY, light yellow/brown, stiff, dry, platy clay, 25% weathered quartzite bedrock up to 5" size, 20% silt, oxidation noted	2.8	
14 - 15	---	CL	GRAVELLY SILTY CLAY, light yellow/brown, stiff, dry, platy clay, 25% weathered quartzite bedrock up to 5" size, 20% silt, oxidation noted	2.8	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Former Koyuk City Tank Farm	TEST PIT ID: TPI5
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Excavator	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 7/9/2024 15:15	COMPLETED: 7/9/2024 15:45	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 9.0 FT.	EQUIPMENT: _____	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	SANDY SILT, brown, firm, dry, 20% fine sand	0	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown/orange, firm, dry, 30% angular schistose gravel up to 3" size	0.1	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown/orange, firm, dry, 30% angular schistose gravel up to 3" size	0	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown/orange, firm, dry, 30% angular schistose gravel up to 3" size	0.1	
4 - 5	---	ML	CLAYEY SANDY SILT, light grey/green, firm, dry, 15% clay, 10% fine sand, transition to dark brown/black burnt debris	0.4	Debris, burnt rubber odor
5 - 6	24ELISO-TPI5-5.5	ML	GRAVELLY SANDY SILT, dark brown/black firm, dry, silt, 20% rounded gravel up to 1" size, 10% fine sand, burnt debris present	0.9	Debris, burnt rubber odor
6 - 7	---	ML	GRAVELLY SANDY SILT, dark brown/black firm, dry, silt, 20% rounded gravel up to 1" size, 10% fine sand, burnt debris present	0.5	Debris, burnt rubber odor
7 - 8	---	SM	SILTY SAND, orange, dense, dry, fine grained sand, 10% silt	0.2	
8 - 9	---	SM	SILTY SAND, orange/red, dense, dry, fine - medium grained sand, 10% silt	0	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TPI 6
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/27/2024 9:25	COMPLETED: 9/27/2024 9:49	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 5.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: Soil stockpiling issues due to access and property border	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	SANDY SILT, Dark brown, firm, dry, very fine silt, 10% fine sand, 5% rootlets	46.8	Black oily staining on surface; Petroleum odor
1 - 2	24ELISO-TPI6-2.0 (Primary) & 24ELISO-TPI60-2.0 (Duplicate)	ML	GRAVELLY SANDY SILT, light brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	156	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	43.7	Slight petroleum odor
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	56.9	Slight petroleum odor
4 - 5	24ELISO-TPI6-5.0	ML	GRAVELLY SANDY SILT, light brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 6" size, 10% fine sand	5.8	Slight petroleum odor

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP17
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/27/2024 15:05	COMPLETED: 9/27/2024 15:45	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 8.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: _____	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, silt, 25% gravel up to 1" size, 10% fine sand	0	Slight petroleum odor
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, silt, 25% angular schistose and quartzite gravel up to 1" size, 10% fine sand	0	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, silt, 25% angular schistose and quartzite gravel up to 1" size, 10% fine sand	0	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, silt, 25% angular schistose and quartzite gravel up to 1" size, 10% fine sand	---	
4 - 5	---	ML	GRAVELLY SANDY SILT, brown, hard, dry, silt, 30% rounded schistose and quartzite gravel up to 1" size, 10% fine sand	0	debris noted; old bear can and trash
5 - 6	24ELISO-TP17-6.0	ML	GRAVELLY SANDY SILT, brown, hard, dry, silt, 20% rounded schistose and quartzite gravel up to 1" size, 10% fine sand	0.1	Organic odor
6 - 7	---	SM	SILTY SAND, orange/brown, dense, dry, oxidized fine sand, 20% silt	0.9	
7 - 8	---	SM	SILTY SAND, orange, dense, dry, oxidized fine sand, 10% silt	0	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP18
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/27/2024 11:41	COMPLETED: 9/27/2024 11:59	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 7.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: Moved 15ft east due to access issues	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	GRAVELLY SANDY SILT, dark brown, firm, dry, 15% very fine round schistose and quartzite gravel up to 1" size, 10% fine sand	0	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 15% very fine sub-angular schistose and quartzite gravel up to 1" size, 10% fine sand	0	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 15% very fine sub-angular schistose and quartzite gravel up to 1" size, 10% fine sand	0	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, 15% very fine sub-angular schistose and quartzite gravel up to 1" size, 10% fine sand	0	
4 - 5	---	PT	SILTY SANDY ORGANIC SOIL, dark brown, soft, dry, heavy alder brush, 40% silt, 10% fine sand	0	
5 - 6	---	SM	SILTY CLAYEY SAND, red/brown, dense, dry, oxidized fine sand, 40% silt, 10% clay	0	
6 - 7	---	SM	SILTY CLAYEY SAND, red/brown, dense, dry, oxidized fine sand, 40% silt, 10% clay	0	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP19
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/27/2024 10:00	COMPLETED: 9/27/2024 10:32	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 9.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: No debris or odor indicating contamination	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	24ELISO-TP19-1.0	OL	ORGANIC SILT, dark brown, soft, moist, rootlets present	18.3	
1 - 2	---	ML	GRAVELLY SANDY SILT, light brown, firm, damp, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	---	
4 - 5	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0	
5 - 6	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0	
6 - 7	---	ML	GRAVELLY SANDY SILT, light brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0	
7 - 8	---	ML	SANDY CLAYEY SILT, light brown, firm, dry, silt, 15% fine sand, 10% clay	0	
8 - 9	---	ML	CLAYEY SANDY SILT, light brown, firm, dry, silt, 15% clay, 10% very fine sand	0	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP20
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/25/2024 17:08	COMPLETED: 9/25/2024 17:55	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 7.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: Ground surface displayed black staining prior to excavation	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	SP	GRAVELLY SAND, black, loose, moist, fine grained sand, 15% fine angular, schistose, gravel	23.3	Oily/trash odor
1 - 2	24ELISO-TP20-2.0	SP	GRAVELLY SAND, brown, medium dense, damp, fine grained sand, 15% fine angular, schistose, gravel	45.6	Oily/trash odor
2 - 3	---	SP	GRAVELLY SAND, brown, medium dense, dry, fine grained sand, 15% fine angular, jagged wacke, gravel	18	
3 - 4	---	SM	SILTY GRAVELLY SAND, black, dense, dry, very fine grained sand, 20% silt, 5% gravel, jagged wacke clasts	2.7	
4 - 5	---	SM	SILTY GRAVELLY SAND, black, dense, dry, very fine grained sand, 20% silt, 5% gravel, jagged wacke clasts	1	
5 - 6	---	SP	GRAVELLY SILTY SAND, brown, dense, dry, very fine grained sand, 25% gravel, 10% silt, iron oxide staining	5.3	
6 - 7	---	SP	GRAVELLY SILTY SAND, brown, dense, dry, very fine grained sand, 25% gravel, 10% silt, iron oxide staining	5.6	

**TEST PIT LOG**



PROJECT NO: _____	SITE NAME: Elim Site Investigations	TEST PIT ID: TP21
CLIENT: Kawerak, Inc.	SCIENTIST: Jackie Rowley/Lauren Jennings	STATE: Alaska
T/R/S (PLSS): _____	DESCRIPTIVE LOCATION: _____	
CONTRACTOR: ChemTrack/Esker	LAT/LON (DEC. DEG.) & METHOD: _____	
EXC. METHOD: Backhoe	PROJECT NAME: Kawerak Brownfields Assessment Grant	HORIZ. DATUM _____
STARTED: 9/27/2024 10:47	COMPLETED: 9/27/2024 11:08	VERT. DATUM _____
SURFACE ELEV: _____	OTHER PERSONNEL: Russel (Operator) and Kayla Bourdon (Kawerak)	
TOTAL DEPTH: 7.0 FT.	EQUIPMENT: Backhoe	
DEPTH TO WATER: NA	PIT DIMENSIONS: 2 FTx3 FT	
BACKFILL MATERIAL: Excavated soil	NOTES: Stepped forward 15ft to determine boundary of contamination	

DEPTH (FT)	SAMPLE NO.	USCS	DESCRIPTION	PID (ppm)	REMARKS
0-1	---	ML	SANDY SILT, dark brown, firm, dry, silt, 15% fine sand	0	
1 - 2	---	ML	GRAVELLY SANDY SILT, dark brown, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0	
2 - 3	---	ML	GRAVELLY SANDY SILT, light brown/yellow, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	0	
3 - 4	---	ML	GRAVELLY SANDY SILT, light brown/yellow, firm, dry, fine silt, 25% angular schistose and quartzite gravel up to 3" size, 10% fine sand	---	
4 - 5	---	ML	GRAVELLY SANDY SILT, light brown/yellow, firm, dry, fine silt, 30% angular schistose and quartzite gravel up to 6" size, 10% fine sand	0	
5 - 6	---	ML	GRAVELLY SANDY SILT, light brown/yellow, firm, dry, fine silt, 30% angular schistose and quartzite gravel up to 6" size, 10% fine sand	0	
6 - 7	24ELISO-TP21-7.0	ML	SANDY CLAYEY SILT, dark brown, stiff, dry, fine silt, 10% very fine sand, 10% clay, some alder debris	0.7	

- LEGEND**
- Analytical Sample Location (Does not exceed CUL)
  - Analytical Sample Location (Exceeds CUL)
  - 1.5 PID HHS Result <30 ppm
  - 1.5 PID HHS Result >30ppm<200ppm
  - 1.5 PID HHS Result >200 ppm

- NOTES:**
1. Please see project map for test pit locations
  2. No water was observed in any of the test pits.

- ABBREVIATIONS:**
1. ELI - Elim
  2. HHS - Heated Head Space
  3. PID - Photoionization Detector
  4. ppm - parts per million

Esker Associates

**Test Pit details for Elim Shop**

Elim, Alaska

Figure 1

DRAWN BY: JR

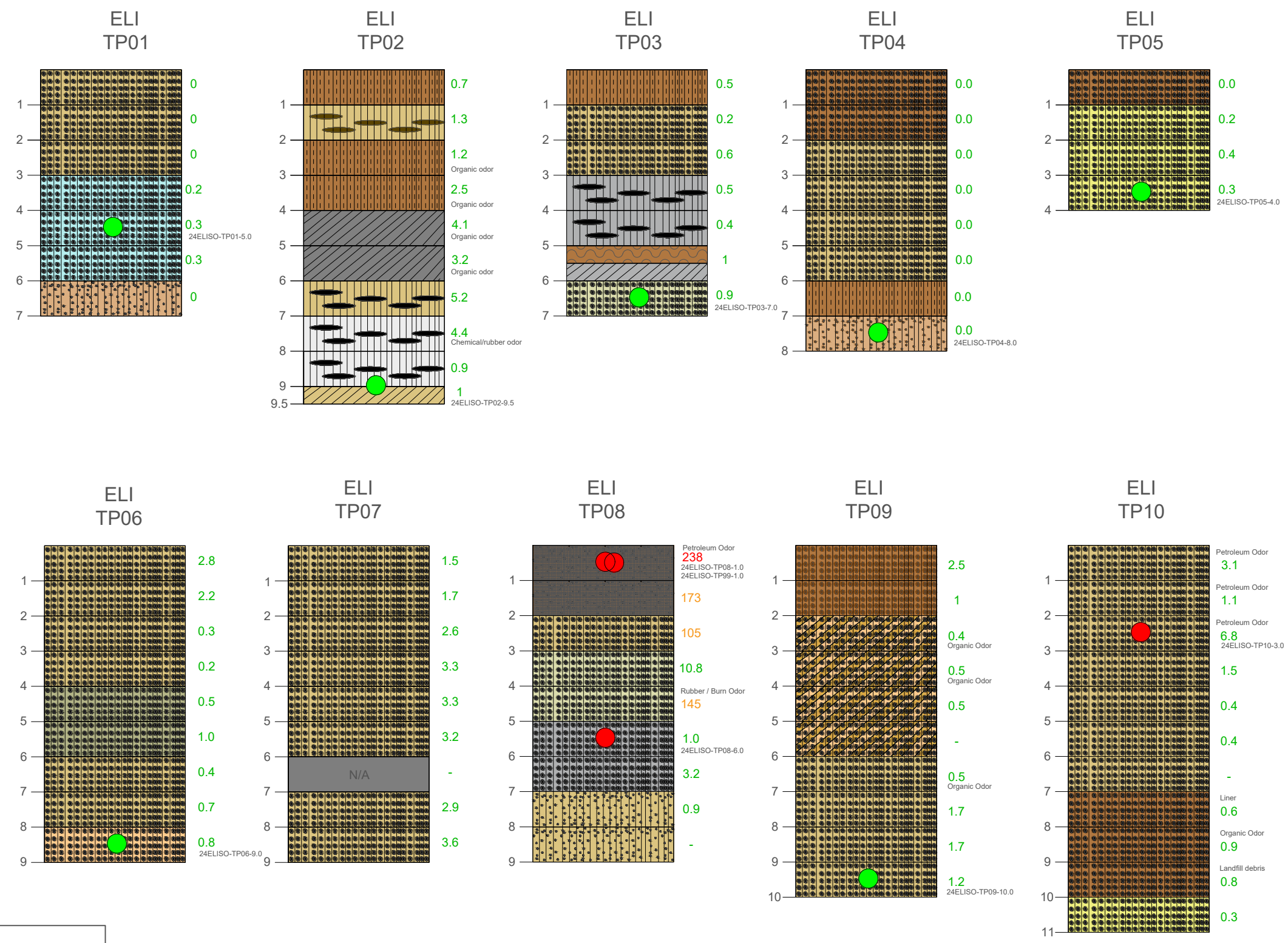
PROJECT: Elim Shop

DATE: Jan 2025

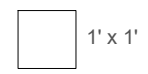
**GRAPHIC LEGEND**

- GM - Silty gravels; gravel / sand / silt mixture
- SP - Poorly graded sands, Gravel - sand mixtures, little or no fines
- SM - Silty sands, sand / silt mixtures
- SC - Clayey sands, sand / clay mixtures
- ML - Inorganic silts and very fine sands, silty fines
- CL - Inorganic clays of low to medium plasticity, gravelly clays
- OH - Organic clays of medium high plasticity, organic silts
- OL - Organic silts and organic silty clays of low plasticity
- PT - Highly organic soils
- SW - Weathered Sandstone

- Black
- Dark Brown
- Light Brown
- Light Brown / Yellow
- Brown / Orange
- Orange
- Orange / Gray
- Red Brown
- Brown / Gray
- Gray / Green
- Green
- Dark Gray
- Dark Gray / Brown
- Light Gray



**SCALE**



LEGEND

- Analytical Sample Location (Does not exceed CUL)
- Analytical Sample Location (Exceeds CUL)
- 1.5 PID HHS Result <30 ppm
- 1.5 PID HHS Result >30ppm<200ppm
- 1.5 PID HHS Result >200 ppm

NOTES:

1. Please see project map for test pit locations
2. No water was observed in any of the test pits.

ABBREVIATIONS:

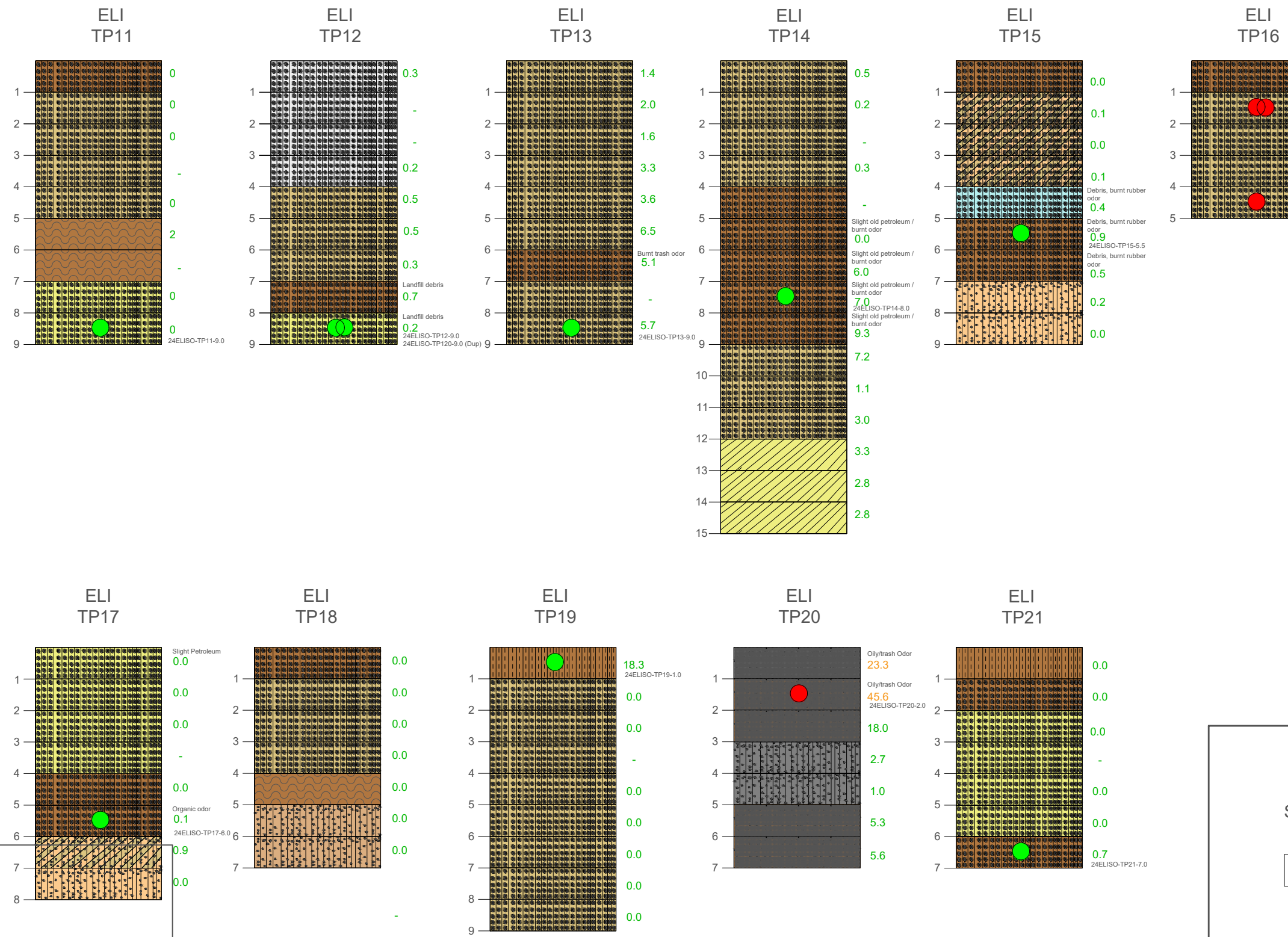
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2. HHS - Heated Head Space
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GRAPHIC LEGEND

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- Brown / Gray
- Gray / Green
- Green
- Dark Gray
- Dark Gray / Brown
- Light Gray

SCALE



Esker Associates

**Test Pit details for Elim Shop**

Elim, Alaska

Figure 2

DRAWN BY: JR

PROJECT: Elim Shop

DATE: Jan 2025