



BEST MANAGEMENT PRACTICES PLAN
2020 ANNUAL REPORT



Hecla Greens Creek Mining Company

1 March 2021

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1. INTRODUCTION

This 2020 Best Management Practices (BMP) Plan Annual Report is submitted by Hecla Greens Creek Mining Company (HGCMC) pursuant to Part 2.2.6 of Alaska Pollutant Discharge Elimination System (APDES) Permit AK-0043206, effective 1 October 2015. This report summarizes the scope and dates of the comprehensive site compliance inspections/evaluations, major observations related to the implementation of the BMP plan, corrective actions taken as a result of the inspections/evaluations, identification of potential incidents of noncompliance as they pertain to the BMP plan, and BMP plan modifications made during the year.

This report does not include a discussion of storm water discharges. Detailed information on storm events and water quality monitoring performed at permitted storm water outfalls is provided in the Storm Water Monitoring Program 2020 Annual Report, submitted to the Alaska Department of Environmental Conservation (ADEC) separately. A copy of the report is available upon request.

2. COMPREHENSIVE SITE COMPLIANCE INSPECTIONS/EVALUATIONS, INCIDENTS OF POTENTIAL NONCOMPLIANCE AND ASSOCIATED CORRECTIVE ACTIONS

2.1. AK-CESCL Site Compliance Inspections

In March 2017, fourteen HGCMC personnel completed the Alaska Certified Erosion and Sediment Control Lead (AK-CESCL) storm water training program. The training program outlines the key elements of a storm water pollution prevention plan; provides detailed instructions on how to select, install and maintain storm water best management controls; and teaches how to conduct site inspections and monitoring. The class was developed with input from the USACE Alaska district, ADOT, ADEC, ADNR, ARRC, MOA and Alaska construction industry representatives. The AK-CESCL certification is for a period of three years from the date of the training.

Training for AK-CESCL certification of HGCMC personnel was scheduled to occur in March 2020 but was postponed indefinitely due to the COVID-19 pandemic. Efforts will be made to get key personnel re-certified in 2021.

Monthly storm water and BMP inspections were completed by AK-CESCL trained personnel (expired certification) and can be considered site compliance inspections. The results of the inspections conducted in 2020 generally involved the need for maintenance activities to existing BMPs. Records of these inspections are retained on-site and are available upon request. Items noted as deficiencies during the 2020 inspections, as well as the corrective actions, included:

- During the June inspection, it was noted that the inlet to the culvert at the base of the Site 23 ramp was partially obstructed and needed cleaning. Surface Operations personnel cleaned the culvert prior to the next inspection.
- In late July, Surface Operations was notified that the runoff collection ditch below the truck pad was nearly full of sediment and required maintenance. Within a week, the ditch was fully cleaned and re-established to the proper dimensions.

2.2. Agency Site Compliance Evaluation Inspections

Personnel with the USDA Forest Service (USFS) perform routine inspections, typically monthly. Frequently they will be accompanied by personnel from other regulatory agencies. The purpose of the inspections is to evaluate compliance with HGCMC operating plans and permits. The scope of the inspections includes the 1350 area, 920 area, 860 area, Site 23/D, Site E, the Tailings Disposal Facility (TDF), inactive pits/quarries, and the entire A & B Road system. Inspection reports with photographs are prepared by the agencies to document conditions and observations and includes a list of action items to correct any noted deficiencies.

Due to the COVID-19 pandemic, there were only two on-site inspections by USFS personnel in 2020, one of which included a representative from the Alaska Department of Natural Resources. To maintain a degree of agency oversight during the pandemic, HGCMC personnel performed periodic self-inspections under the direction of the USFS. Before each inspection, the USFS provided forms listing the areas and items to be inspected and photographs to be included with each report. Completed inspection reports were submitted to the USFS. The table below lists the inspections performed in 2020 and includes the date of the inspection, participating agencies, and action items.

2020 Agency Compliance Inspections

Date	Agency	Action Items
6-Feb	USFS / ADNR	No action items
14-May	HGCMC Self Insp.	Maintenance needed on BMPs at 7.4-mile bridge
21-June	HGCMC Self Insp.	Sediment controls at 7.4-mile bridge need cleaning
11-Aug	HGCMC Self Insp.	No action items
1-Oct	USFS	Sediment removal needed at 3.4-mile and 920 bridges
19-Nov	HGCMC Self Insp.	No action items
21-Dec	HGCMC Self Insp.	Continue ditch repairs as conditions allow Monitor slide areas

In addition to the routine agency inspections, personnel from the ADEC performed a comprehensive APDES compliance inspection on 13 February 2020. The inspection included a review of administrative records and plans, inspection of accessible storm water outfalls and associated BMPs, an inspection of water treatment facilities, and a verification of treated effluent pH monitoring results. The ADEC issued their inspection report and compliance letter on 26 March, and HGCMC submitted their required response letter on 29 July.

Progress in 2020 included work on corrective and preventive actions from inspections, on continuous improvement projects on the various storm water outfall sites, as well as on improvements to BMPs. The list below summarizes the 2020 work and improvements. A log of the BMP maintenance work is attached to this report. Photographs showing some of this work are included at the end of this report.

- *B-Road Ditch Maintenance and Stabilization*

Ditch maintenance and stabilization activities began in April as soon as snowmelt and ground thaw allowed. By July, the entire ditch had been cleaned and hydroseeded to establish vegetation for stabilization. In some areas where the buried pipelines hinder the excavation of the roadside ditch, the

material was placed to raise the road surface elevation to establish the ditch. Photos 1 and 2 illustrate the ditch maintenance activities performed in 2020.

From 30 November through 2 December, there was an extreme storm event with portions of the site receiving over six inches of rain on top of the snow. The runoff from this event caused mudslides and severe erosion of some sections of the B-Road. Following the event, Surface Operations personnel re-established culvert drainages and began repair of sections of the roadside ditch. However, full repair of the ditch will not occur until the summer of 2021. Photos 3 and 4 show the condition of the ditch above the 3.4-mile bridge.

- Sediment Sump and Culvert Maintenance

Sediment sumps and culverts along the B-Road were cleaned multiple times throughout 2020. Photos 5 and 6 show the condition of select sumps after cleaning.

- Zinc Creek Bridge BMPs

Maintenance and enhancement of the BMPs beneath the Zinc Creek bridge located at 3-mile on the B-Road was completed in early August. Approximately 35 cubic yards of sediment was removed and hauled to the TDF. New straw wattles were added to the existing compost filter socks to restore the sediment containment volume. The area was then hydroseeded to establish vegetation. Photos 7 and 8 show the enhanced BMPs.

- Upper Pond C Discharge Piping

New piping was installed for pumping storm water from upper Pond C to Pond 23. The HDPE arctic piping is buried, graded to drain completely, and has an electric heat trace to prevent freezing during cold periods when minimal pumping occurs. Photos 9 and 10 show the new piping being installed.

- Tailing Disposal Facility West Buttress Ditch

The runoff collection ditch along the west side of the TDF was cleaned in 2020 to restore its conveyance capacity. This section of the ditch is not lined with HDPE, and the channel bottom was filling in with sediment and vegetation.

- B-Road Bridge Maintenance

Maintenance activities at the bridges consisted of the following:

- The top layer of wood decking was replaced on the 3-mile and 3.4-mile bridges.
- Bridges were cleaned on multiple occasions to remove sediment from the decking and ends of the bridges.
- The abutments beneath 3.0-mile and 7.4-mile bridges were hydroseeded.

- Fugitive Dust Mitigation

Continued implementing measures throughout 2020 to reduce fugitive dust from the TDF. Excavated sediments from the B-Road ditch maintenance were hauled to the TDF and used to cap areas that were not going to be used for active tailings placement for an extended period. These areas were then hydroseeded to establish vegetation and stabilize the surficial materials.

2.3. HGCMC Monthly Evaluations and Site Inspections

HGCMC environmental staff members conduct weekly, monthly and quarterly visual inspections of a variety of areas within the mine site to identify any issues with housekeeping, material storage areas, or potential breaches that may lead to pollutants entering the permitted outfalls, storm water drainage system, or surface waters. The results of the inspections conducted in 2020 generally involve maintenance activities to existing BMPs. Any corrective actions needed to address findings from the inspections are conducted with coordination between the environmental department staff, the maintenance department staff, or the surface operations department staff.

3. BMP PLAN MODIFICATIONS IN 2020

The HGCMC BMP Plan addresses all components and facilities associated with the Greens Creek Mine. The BMP Plan is a “living” document subject to frequent edits and revisions resulting from routine inspections and BMP modifications. The official copy is retained on-site.

There were no modifications to the BMP Plan in 2020 as a result of inspections.

Photographs



PHOTO 1. Ditch maintenance above 7.4-mile bridge.



PHOTO 2. Road surface raised to establish a larger conveyance ditch for runoff.



PHOTO 3. Erosion below 3.7-mile of B-Road during 1 December storm.



PHOTO 4. Repair of ditch above 3.4-mile bridge following 1 December storm.



PHOTO 5. Sediment sumps above 3-mile bridge.



PHOTO 6. Sediment control at the 7.4-mile bridge.



PHOTO 7. New straw wattles on south abutment of Zinc Creek bridge.



PHOTO 8. New straw wattles on north abutment of Zinc Creek bridge.



PHOTO 9. New discharge line from upper Pond C. Old piping remains in place as a backup.



PHOTO 10. New discharge pipe being installed from upper Pond C.

2020 BMP Maintenance Log

Date	Shift	Primary Equipment	Secondary Equipment	Hours	Loads	Comment
1/15/2020	N		LR53	11		CLEANED DB01, ICE REMOVAL
3/17/2020	N	VT01		12.5	3	VAC TRUCK BEACH, 1.3 WHEEL WASH
3/25/2020	N		PU134	2.5		SHOVEL BRIDGES
3/25/2020	N	AT03	LR70, LR62	5	1	3 MILE BRIDGE CLEANING
3/26/2020	D		LR79	12		CLEAN DB01, SNOW REMOVAL
3/26/2020	N		LR68	3.5		SWEEP TAILS
3/27/2020	D		VT01	12.5	4	CLEAN OUT CLO SUMP
4/9/2020	D	VT01		9	2	VAC DB01 AND BRING TO TAILS
4/10/2020	D	VT01		11.5	2	2 LOADS FROM DB01 TO TAILS
4/11/2020	D	VT01		12	4	4 LOADS SLIMES FROM DB01 TO TAILS
4/11/2020	N	VT01		7	2	2 LOADS FROM DB01 TO TAILS
4/11/2020	N		BH31	5		WATER CONTROLS C POND KELLY HUMP
4/12/2020	D	VT01		5	2	DB01 CLEAN OUT TO TAILS
4/12/2020	N		LR79	6	2	LOADS OF FINE ROAD ROCK - FILL HOLES IN THE ROAD
4/15/2020	N		LR79	6		CLEANING MUCK AROUND 920
4/16/2020	N	VT01		12.5	7	1 FROM 920 BATCH PLANT AND 6 LOADS FROM DB04
4/18/2020	N	MT15	LR68, LR79	8.5	1	CLEAN 3.0, 3.4, 7.4 BRIDGES 9 YDS TOTAL
4/19/2020	N	VT01		5	1	CLEAN PORTAL SUMPS
4/20/2020	N	VT01		8		VAC 3 MILE SUMPS
4/25/2020	N	VT01		12.5	7	VAC 1.3 WHEEL WASH
4/26/2020	N		LR59, LR79	12.5		920 CLEAN
4/27/2020	N		LR79	12		CLEAN 920
4/29/2020	N	VT01		12.5	3	3 LOADS OF SEDIMENT
4/30/2020	N		LR62, LR79	12		CLEAN 920
5/1/2020	N	VT01		12.5	1	3 MILE SUMPS
5/2/2020	N	AT03	BH36	8.5	16	16 LOADS SUMP SEDIMENT IN TAILS TO TAILS
5/6/2020	N	VT01		12.5	2	CLEAN SUMPS
5/11/2020	N	AT03	BH34	12.5	5	DITCHING
5/11/2020	N		LR68, LR79	12.5		CLEAN 920
5/12/2020	N		PU154	8		4.3 CULVERT CLEAN OUT
5/12/2020	N		LR79	12.5		CLEAN 920
5/12/2020	N	AT03	LR68	12.5	2	DITCHING
5/13/2020	N		LR68 AT03	12.5	4	DITCHING
5/13/2020	N		LR79	1		CLEAN DB01
5/15/2020	N		BH31, BH35	7.5		CLEAN ORE PAD
5/16/2020	N		LR59, BH31	6.5		ORE PAD
5/16/2020	N	MT15	BH34	6		DITCHING
5/17/2020	N	AT03	BH34	6	4	DITCHING
5/18/2020	N	AT03	BH34	12.5	5	DITCHING
5/19/2020	D	TP15	HS02	12.5	3	0.4, 0.6, 0.7, 0.8, 1.5-1.8, 2.2-2.5
5/19/2020	N	AT03	BH34	12.5	6	DITCHING
5/20/2020	D	TP15	HS02	5	2	2.2-2.5
5/20/2020	N	AT03	BH34	12.5	6	DITCHING
5/22/2020	N	MT15	BH34	6	5	CLEAN SEDIMENT TRAPS 3 MILE HILL 5 LOADS TO 4.7
5/23/2020	D	TP15	HS02	7	3	1.8-2.2 2.3-2.5
5/23/2020	N	MT15	BH34	12.5	7	CLEAN SEDIMENT TRAPS 3 MILE HILL
5/27/2020	D	AT03	LR70	3	4	ROCK TO PORTAL
5/27/2020	N	AT03	BH34	5	3	DITCHING 2.4 TO 2.5 HAULED TO 4.7
5/28/2020	N	AT03	BH34	12.5	8	DITCHING 2.5 TO 2.6 HAULED TO 4.7
5/29/2020	N	AT03	BH34	12.5	7	DITCHING 2.6 TO 2.7 HAUL TO 4.7
5/30/2020	N	AT03	BH34	12.5	6	DITCHING 2.7 TO 2.9 HAULED TO 4.7
5/30/2020	N		LR79	7.5		CLEAN 920
5/31/2020	N	VT01		11.5	3	23 PUMP 920 SUMPS HAULED TO SITE 23
6/2/2020	D		HS02	6	4	2 SEED 3 FERT 9 MULCH. 2 AND 3 MILE DITCHES
6/4/2020	N		LR79, BH31	5		860 SAFETY BUILDING
6/9/2020	N	MT15		7.5	9	SEDIMENT SITE 23 ROAD SUMPS
6/9/2020	N	MT15	BH31	12.5	3	SEDIMENT ORE PAD ROAD SUMPS
6/18/2020	N		LR77, LR79	12		15 YARDS PORTAL AREA AND BRIDGE
6/18/2020	N		VT01	12.5	2	12 YARDS PORTAL SUMPS
6/19/2020	N			11.5		PORTAL AND 920 SUMPS

2020 BMP Maintenance Log

Date	Shift	Primary Equipment	Secondary Equipment	Hours	Loads	Comment
6/19/2020	N	VT01		11.5	3	PORTAL AND 920 SUMPS 18 YARDS
6/19/2020	N		PU147,LR70	11.5		REPLACE BOARDS 2 MILE,7.4,3 MILE AND CLEAN BRIDGE
6/20/2020	N	VT01		7.5	2	CLEAN OUT DB08
6/20/2020	N	VT01		5	6	CLEAN 920 BATCH PLANT SUMP
6/20/2020	N		LR68	12	25	CLEAN OUT DB08 SWEEP TAILS ROAD
6/21/2020	N	VT01	LR79	12.5	1	CLEAN 920 WAREHOUSE PAD
6/21/2020	N		LR70	2.5	1	CLEAN 3.4 BRIDGE 3 YRD
6/22/2020	N	VT01		12.5	3	920 WAREHOUSE, TAILS BATCH PLANT
6/23/2020	N	VT01		12	4	CONS LOAD OUT SUMPS
6/25/2020	N	VT01		5.5	1	CLEAN 920 SUMPS
6/25/2020	N		LR79,BRO06	2	1	7.4 BRIDGE
6/25/2020	N		LR53,PU132	9.5	3	CLEAN 920
6/25/2020	N	WT03	LR79,BRO06	9.5	2	CLEAN 920
6/26/2020	N	VT01		12.5	2	B ROAD SUMPS 860 TO 7.4 ALSO UNDER 7.4 BRIDGE
6/26/2020	N		LR68,BR03	6	1	CLEAN BACK 40
6/27/2020	N	VT01		12.5	3	B ROAD SUMPS 23 PUMP TO 7.4 AND 3.3
6/28/2020	N	VT01	PU147	12.5	5	2 LOADS 3 MILE TO 3.2 B ROAD, 3 LOADS POND 7 INLET
6/29/2020	N	VT01		11	9	POND 7 INLET PIPES WEST BUTTRESS LINED DITCH
7/1/2020	N		MT15	12.5	11	DITCHING SEDIMENT HAULED TO SITE 23
7/2/2020	N		BH34	12.5	6	DITCHING 860 TO 7.8
7/3/2020	N		LR68	12.5		CLEAN UP 4.7
7/3/2020	N	MT15	BH34	12	6	SEDIMENT TO 4.7 DITCHING 23 PUMP TO 7.6
7/3/2020	N	MT14	KT30	12.5		CLEAN UP 4.7
7/4/2020	N	MT15	BH34	12.5	8	DITCHING 7.6 TO 7.5
7/5/2020	N	AT03	BH34	12.5	7	SEDIMENT 7.5 TO 7.4 HAULED TO 4.7
7/6/2020	N		MT15	3	1	1 LOAD SEDIMENT DB04 TO TAILS
7/6/2020	N	AT03	BH34	12	8	DITCHING 7.4 TO 7.1 HAULED TO 4.7
7/7/2020	D	AT03	LR70	5	3	DITCHING 7.2 TO 7.3
7/7/2020	N	AT03	BH34	12.5	7	DITCHING 7.4 TO 7.1
7/8/2020	D		BH34 LR79	12.5		DITCHING 7.2-7.3
7/8/2020	D	AT03	LR79	9.5	5	HAULED MATERIAL FROM 4.7 TO 7.2
7/8/2020	N	VT01		12.5	5	920 SUMPS
7/8/2020	N	AT03	BH34	12	6	DITCH 7.1 TO 6.9
7/9/2020	D	AT03	LR68, VR17	10	4	material from 4.7 7.2
7/9/2020	D		BH34 LR79	12.5		SED. CON. 7.2 7.4
7/9/2020	N	AT03	BH34	12	2	DITCHING 7 TO 6.8
7/10/2020	N	AT03	BH34	12.5	8	DITCHING 7 TO 6.6
7/11/2020	N	AT03	BH34	12.5	6	DITCHING 6.5 TO 6.3
7/11/2020	N		LR79	12.5		CLEAN 920
7/12/2020	N	AT03	BH34	8.5	5	DITCHING 6.3 TO 6.2
7/12/2020	N		MT15	10	13	HAUL AND PLACE ROAD ROCK
7/13/2020	N	AT03	BH34	7.5	4	SEDIMENT TO 4.7
7/15/2020	N	VT01		12.5	1	VAC OUT CULVERTS ON B ROAD
7/15/2020	N	AT03	BH34	12.5	9	DITCHING 6 TO 5.7
7/16/2020	N	VT01		12.5	3	DITCH SEDIMENT TO TAILS
7/16/2020	N	AT03	BH34	12.5	8	DITCHING 5.7 TO 5.5
7/18/2020	N	MT15	BH34	12.5	9	DITCHING 5.3 TO 5.1
7/19/2020	N		LR65	4		WATER CONTROLS
7/19/2020	N	AT03	BH34	12	9	DITCHING 5.2 TO 4.8
7/19/2020	N	VT01		12.5	2	VAC OUT CULVERTS. SEDIMENT TO TAILS
7/20/2020	N		LR79	7		CLEAN DB09
7/20/2020	N	AT03	BH34	12.5	8	DITCHING 4.8 TO 4.6
7/22/2020	N	MT15	BH34	12.5	6	DITCHING 4.7 TO 4.5
7/23/2020	N	MT15	BH34	12.5	7	DITCH 4.4 TO 4.1
7/24/2020	N	VT01		12.5	5	2 LOADS DB08,3 LOADS DB04 TO TAILS
7/24/2020	N	MT15	AT03	10	6	DITCHING 4.1 TO 4 MILE
7/25/2020	D	AT03	LR65	12.5	10	DITCHING 5.6 -5.3
7/25/2020	N		BH34	12.5		DITCH 4.0 TO 3.8
7/25/2020	N	VT01		12.5	7	CLEAN OUT DB04
7/28/2020	D	MT15	LR68,LR62	12	1	3 MILE BRIDGE / 10 YRDS

2020 BMP Maintenance Log

Date	Shift	Primary Equipment	Secondary Equipment	Hours	Loads	Comment
7/29/2020	D	MT15	LR62,68,	10.5	1	3 MILE BRIDGE SEDIMENT / 10 YRDS
7/30/2020	D	MT15	LR68,62	12.5	1	3 MILE BRIDGE / 5 YRDS
7/31/2020	D		BH35, LR68	12.5		3 MILE BRIDGE
8/2/2020	D		LR68	1		3 MILE BRIDGE / 10 YRDS
8/3/2020	D		LR68	5.5		RED HOUSE AND BEACH HILL DITCH / 15 YRD
8/6/2020	D		BH34	10		3 MILE BRIDGE PLACE WADDLES
8/7/2020	N	VT01		12.5	2	VAC BEACH & PORTAL
8/9/2020	N	VT01	LR79	10.5	3	CLEAN UP 920
8/11/2020	N		LR59 WT03	11.5		920 CLEAN UP
8/12/2020	N		VT01	12	3	
8/16/2020	N	VT01		12	1	6.3 AND 6.5 DRAINS
8/21/2020	N		LR68	3		CLEANING DB IN 1.3
8/22/2020	D	WT03	LR79	7.5	3	CLEAN 920
8/22/2020	N	VT01	VT01 BH36	8.5	1	CLEANED OUT 1.3 WITH VT01
8/23/2020	D	VT01		4.5	3	CLEAN SUMPS 920
8/25/2020	D		BH31	2		CLEAN DB09
8/25/2020	D		LR79	11		CLEAN 920
8/25/2020	N		VT01	12.5		920 SUMPS
8/26/2020	N	VT01		12.5		WORKING IN 1 MILE AREA
8/27/2020	D		LR79	4		CLEAN 920/DB01
8/27/2020	N	MT15	LR79	12.5		PORTAL AND BRIDGE
8/27/2020	N	AT03		12.5	9	DITCHING 3.4-3.6
8/27/2020	N		BH31 LR79	7.5		CLEANING OUT DB03
8/28/2020	N	AT03	BH34	12.5	8	DITCHING 3.3-3.4
8/28/2020	N	MT15	LR79	9	2	DB03 TO SITE 23
8/28/2020	N		LR79	5		DB-03 CLEAN OUT
8/29/2020	N	AT03	BH34 LR65	12.5	7	DITCHING 2.9-3.3
8/30/2020	D		HS02	12.5	4	HYDRO SEED B-ROAD DITCH
8/31/2020	N		LR79	5		CLEANING UP AROUND 920
9/3/2020	N	AT03	BH34 LR70	12.5	4	DITCHING 0.6 UP
9/4/2020	N		BH34 LR70	12.5	6	DITCHING THE 0.7 AREA
9/5/2020	N	AT03	BH34 LR70	12.5	6	DITCHING JUNCTION TO 0.5
9/5/2020	N		LR79 WT03	4		TRYING TO CLEAN UP AROUND THE PORTAL
9/6/2020	N	AT03	BH34	6	2	DITCHING 0.5 AREA ON B ROAD
9/7/2020	N		LR79	6.5		SWEEPING 920 AREA
9/12/2020	N		LR79	9.5		CLEAN THE 920
9/16/2020	N		LR79	12.5		SWEEP BRIDGES AND CLEAN 920
9/18/2020	D	MT15		7		DITCH WEST BUTTRESS
9/21/2020	N	VT01	PU147	3	1	POND 6 AREA
9/21/2020	N	VT01		8.5	6	DB02
9/23/2020	N	TP15	HS02	7.5	4	HYDROSEED JUNCTION TO 0.8
9/26/2020	D		BH36 LR68	10		SWEEPING THE RAMP
10/4/2020	N		LR79	6.5		SWEEP 920 AND CLEAN DB01
10/9/2020	N		LR79	12.5		CLEAN AROUND 920 PORTAL AND BRIDGE
10/10/2020	N	VT01	LR68	7	5	VAC 1.3 WHEEL WASH
10/11/2020	N	VT01		12.5	6	920 SUMPS
10/21/2020	N		LR71 BH31	12.5		ORE PAD SUMP
10/27/2020	N	VT01		7	1	VAC 1.3 & 0.8 TO 1.3
10/30/2020	N		LR79	4		920 SWEEPING
10/31/2020	N	VT01	LR68	4	1	CLEAN OUT SUMP
12/2/2020	D	MT15		12.5	8	2.8 ROCK
12/5/2020	D		VT01	12.5		CLEAN OUT CULVERTS
12/6/2020	D	VT01		11.5	1	CLEANING CULVERTS
12/7/2020	D	VT01		7.5	2	3 MILE SUMP
12/8/2020	N	AT03	BH31	7	2	WORK ON 23 ROAD SUMPS
12/15/2020	N	VT01		6.5	2	IN TRAINING / VAC OUT C POUND OUTLET 6 YD