APPENDIX 6A

Emissions Inventory

Marathon Gold Mine Emissions Inventory - Operation

Developed by: C. Lyons
Date: 11-May-20
Project number: 121416408

Releases of particulate matter (dust) and trace metals, diesel particulate (particulate released from diesel combustion), combustion gases (NOX, SO2 and CO), NH3 and HCN from the sources associated with the operation of the gold mine are estimated in this spreadsheet. The emissions estimates have been updated to include the Berry Pit expansion. The complete list of contaminants of potential concern (COPC) expected to be released from Project sources in substantive quantities during operation are provided in the COPC and objectives worksheet. Releases of volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs) are not estimated for the Project, while some releases of these compounds are expected (primarily from diesel combustion) they are not expected to be released in substantive quantities and are not typically the primary contaminants of concern expected to be released from a mine operation. The estimated contaminant releases from sources associated with the operation of the Project are expected to meet the requirements in the EIS guidelines for the Project for Atmospheric Environment.

Source details, contaminants expected to be released, estimation methodologies and operating schedules are provided in "Sources-Operation" worksheet.

Worksheets highlighted in purple contain information directly from Marathon Gold, worksheets highlighted in dark blue contain information provided by Marathon that Stantec has analyzed/modified for the purpose of estimating air contaminant releases. Worksheets highlighted in yellow contain calculations where Stantec made assumptions in absence of information from Marathon Gold, individual cells where Stantec made assumptions are also highlighted in yellow. Worksheets highlighted in light blue contain calculations for release estimates from selected processing plant sources (for Hg, NH3 and HCN).
Green highlighted worksheets indicate emission sources with variable release estimates, i.e., sources with releases modelled as maximum hourly, maximum daily and annual average rates (based on expected operations as identified by Marathon Gold).

The emissions are estimated using operational information, source parameters and stack concentrations provided by Marathon Gold.

Additional details are provided in each individual worksheet.

The estimated emissions are used in the CALPUFF model. The model period covers 2017 to 2019. The model input parameters to be used directly in the CALPUFF Source set up tool Macro are provided in the "SrcTool Inputs - Model Input" worksheet.

Revision Log:

Name	Date	Comments
Chris Lyons	11-May-20	Started sheet.
Chris Lyons	June 8-11 2020	Addressed review edits - corrected CIL calc for shorter operating day, updated emission factors for mobile equipment combustion - swapped older US EPA AP-42 factors with more recent factors from ECCC, added some additional description text for clarity and other minor edits to text descriptions and
Chris Lyons	12-Jun-20	Revised area sources to limit to 4 corners, adjusted areas in the calculations accordingly. Fixed calculation error (cell reference error) in mobile equipment combustion worksheet.

Reviewed by	Date Reviewed	Comments
Mike Murphy	June 7-June 10 2020	several calcs were checked; comments were discussed with the author of the spreadsheet; and adjustments were made accordingly
Melanie Fillingham	12-Jun-20	Checked the calculations in the "Mobile Equipment Combustion" worksheet as emission factors were updated since original review. Also checked spelling and grammar throughout all worksheets.
Gillian Hatcher	22-Jul-20	Checked changes made to emissions from the processing plant, blasting and fugitives from Haul Trucks - then further discussed with Chris.

Chris Lyons	15-Jun-20	Updated blasting emissions for consideration of max hourly and daily releases. For the purpose of modelling blasting is assumed to occur at 3 pm each day. The revised blasting emission rates were compared to those estimated for similar recent projects and were consistent
Chris Lyons	21-Jul-20	Revised source locations based on new information from Marathon Gold - mobile sources near plant/crusher moved to pits (approx equipment split 2/3 Marathon pit, 1/3 Leprechuan pit) - excavators and loaders moved. Also relocated some point sources at the processing plant for side wall releases. Adjusted PM emissions from sources within pits (mobile equipment, pit blasting, haul route fugitives - portion in pit area - 2/3 of the time) to account for pit retention (for sources below the surface). Revised TMF beach area bsaed on discussions with Marathon, so that 50% of the area (at the end of year 5) is assumed to be wet at any given time, therefore overall area with releases was reduced by approximately 50%. Updated reference list to include pit retention factors from the Australian NPI emissions estimation guide for mining.
Chris Lyons	22-Jul-20	Corrected issue with PM10 and PM2.5 blasting emissions, identified in review
Chris Lyons	21-Jan-21	Added new tabs for HHERA model inputs
Chris Lyons	11-Mar-21	Added Access Road fugitive calcs for screening assessment of fugitive dust in repsonse to Irs
Chris Lyons	29-Mar-21	Added revised calcs for haul truck fugitives and diesel combustion in mobile equipment to determine if changes to operation result in enough change to air contminant emissions so that would require an update to the model.
Chris Lyons	1-Jun-21	Updated mobile equipment calcs, model input, Lakes worksheets for revisions to modelling.
Chris Lyons	23-Jun-21	Added PM size fraction calculations to the Processing Srcs_rev_20210521 worksheet, updated stack heights for the SP_FAN and Barring furnace sources at the processing plant (back to what was modelled originally for the EIS) and updated the PM10 and PM2.5 emissions calcs in the Processing Plant worksheet. Also adjusted the number of haul route segments within the leprechaun pit (for the LPIT_LWRS route) to refine TSP emissions estimates in the area of the Leprechaun pit.
Chris Lyons	Feb-Apr 2023	Updated sheet to incorporate the addition of the Berry Pit (3 pits total) - updated mobile equipment, haul route fugitives, material handling, blasting, TMF, fugitives from storage piles and processing plant based on new operational information provided by Marathon
Chris Lyons	26-Apr-23	Addressed first round of review comments - fixed issues in mobile equipment and haul route fugitives calc sheets
Chris Lyons	3-May-23	Fixed Cobalt look up issue in Berry Pit ore spec and lookup error in screening calcs for metals. Fixed errors in processing plant and TMF annual (t/yr) calcs

Christina Varner	3-Jun-21	Checked the following sheets: Model Inputs, Haul Truck Exh_upd, MobEquip Comb_upd, Src_Input_CACs. Spot checks made on certain cells. Green = OK and yellow = comment.
Christina Varner	24-Apr-23	Checked sheet "Haul Truck Exh Fug_upd_2023" and "Mob Equip Comb_upd_2023". Spot checks made on certain cells. Green = OK and yellow = see comment.
Christina Varner	5/2/2023-5/3/2023	Checked sheets "Blasting_2023", "Crushing and Screening_2023", "Material Trans and convey_2023", "Strg Pile Wind Erosion_2023_upd", "Processing Plan_upd2023", "TMF_upd", "Ore Spec_upd2023", "Src_Input_CACs", and "Src_Input_metals". Spot checks made on certain cells. Green = OK and yellow = see comment.

Marathon Gold Source List - Operations
Modelled Sources

Source	Expected Max Operating Year	Details	Operating Schedule	Estimation Approach	Expected Contaminants	Expected Model Source Characterization	Reference List #
Fugitive Sources							
Pits	Y3	Blasting	Blasting will be limited to daytime hours. For each pit, blasts will be every second day, so average 1 per day for the three pits combined, approximately 345 per year total.	US EPA AP-42 Ch 13.3 Explosives Detonation and 11.9 Western Surface Coal Mining and Austalian NPI Emission Estimation Technique for Mining, metals based on dust and ore spec	fugitive dust, trace metals and combustion gases	Volume source	[1], [15], [20], [31]
Storage Piles	Y3	Marathon - waste rock (two storage areas/sources)	Assumed continuous in modelling - emissions due to wind erosion	US EPA AP-42 Ch 13.2.4 Aggregate Handling and Storage Piles and ore specs	fugitive dust and trace metals	Area sources	[1], [13], [20], [28]
		Marathon - top soil		not estimated/modelled - only active during construction and early in operation			
		Marathon - overburden					
		Marathon - low grade stockpile					
		Leprechaun - waste rock					
		Leprechaun - top soil		not estimated/modelled - only active during construction and early in operation			
		Leprechaun - overburden 1					
		Leprechaun - overburden 2					
		Leprechaun - low grade stock pile					
		Leprechaun - high grade stockpile					
		Berry - waste rock					
TMF	Y6	tailings beaches	NA - emissions due to wind erosion - modelled on an hourly basis	US EPA AP-42 Ch 13.2.5 Industrial Wind Erosion US EPA AP-42 Ch 13.2.4 Aggregate Handling and Storage Piles Assumption - Metals are estimated based on combined heap leach avg specs	fugitive dust and trace metals	Area sources	[1], [13], [14]
Conveyors/transfer points/ Loading/unloading drop points at piles	Y6 - conveyor transfer rates	primary crusher discharge	8-24 hours per day	US EPA AP-42 Ch 13.2.4 Aggregate Handling and Storage Piles and ore specs	fugitive dust and trace metals	Transfer points - volume sources emissions along conveyors assumed neg - conveyors are covered Inside building, emissions assumed neg.	[1], [13], [27]
		crushed ore stock pile feed					
		semi-autogenous grinding (SAG) mill feed conveyor					
		pebble crusher conveyor 1					
		pebble crusher conveyor 2					
		pebble crusher conveyor 3					
		crushed ore stock pile discharge apron feeder 1					
		crushed ore stock pile discharge apron feeder 2					
		intensive leaching feed hopper				Inside building, emissions assumed neg.	
	Y3 - drop rates on stockpiles	Marathon - waste rock					
		Marathon - top soil		not estimated/modelled - only active during construction and early in operation			
		Marathon - overburden					
		Marathon - low grade stockpile					
		Leprechaun - waste rock					
		Leprechaun - top soil		not estimated/modelled - only active during construction and early in operation			
		Leprechaun - overburden 1					
		Leprechaun - overburden 2					
		Leprechaun - low grade stock pile					
		Leprechaun - high grade stockpile					
		Berry - waste rock					
Processing Equipment	Y6	Rock Breaker	18-22 hours per day	US EPA AP-42 Chapter 11.19.2 - Crushed Stone Processing and Pulverized Mineral Processing Australian National Pollutant Inventory document "Emission estimation technique manual for Gold Ore Processing", Version 2.0. Nevada Division of Environmental Protection (NDEP) Guidance on Emission Factors for the Mining Industry, May 31, 2017 combined and individual ore specs	fugitive dust and trace metals	Volume sources	[1], [11], [18], [25], [27]
		Primary Crusher					
		Pebble crusher					
		Cyclone cluster					
		Primary crusher grizzly screen					
		semi-autogenous grinding (SAG) mill					
		Trash screen 1					
		Trash screen 2					
		gravity screen 1					
		gravity screen 2					
		SAG mill trommel screen					
Haul Routes/Truck exhaust	Y3 for fugitive dust and Y6 for fuel usage	CAT 777G Haul trucks - https://www.cat.com/en_US/products/new/equipment/off-highway-trucks/off-highway-trucks/18265926.html	Cycles (or truck trips) per year provided by Marathon Gold	US EPA AP-42 Ch 13.2.2 Unpaved Roads US EPA AP-42 Ch 3.4 Large Stationary Diesel and All Stationary Dual-fuel Engines Y3 (fugitive road dust) and Y6 (haul truck fuel consumption) activity data used to determine maximum potential air contaminant releases, as these are expected to the max years for the respective activities Austalian NPI Emission Estimation Technique for Mining	fugitive road dust and combustion gases	Segmented volume sources - representing haul routes	[1], [2], [4], [9], [12], [31]
		Berry Pit to Crusher - 91 t hauler	21,107				
		Berry Pit to Berry/Marathon LGSP - 91 t hauler	8,481				
		Berry Pit to Berry WRSF - 91 t hauler	22,603				
		Berry Pit to Berry WRSF - 132 t hauler	137,702				
		Berry Pit to Tailings Dam - 91 t hauler	38,280				
		Leprechaun Pit to Crusher - 91 t hauler	4,005				

		Leprechaun Pit to Leprecahun LGSP - 91 t hauler	2,026				
		Leprechaun Pit to Leprechaun OVBSP - 91 t hauler	4,895				
		Leprechaun Pit to Leprechaun WRSF - 91 t hauler	13,640				
		Leprechaun Pit to Leprechaun WRSF - 132 t hauler	197,435				
		Marathon Pit to Crusher - 91 t hauler	7,456				
		Marathon Pit to Berry/Marathon LGSP - 91 t hauler	3,663				
		Marathon Pit to Berry/Martahon OVBSP - 91 t hauler	5,671				
		Marathon Pit to Marathon WRSF - 91 t hauler	49,658				
		Marathon Pit to Marathon WRSF - 132 t hauler	110,307				
		High Grade Storage to Crusher - 91 t hauler	5,713				
Processing Plant Sources	Y3	Acid wash exhaust fan	4.0h /day	dust concentrations and combined ore spec	dust and trace metals	Point sources	[1], [3], [17], [19]
		Lime dust fan	4.0h /day				
		Sodium cyanide dust fan	4.0h /day	Releases from carbon in leach (CIL) assumed to be vented here. Australian Government National Pollution Inventory (NPI) guide for gold ore processing (2006), referenced from Heath, et al. "A method for measuring HCN(g) emissions from CIP/CIL tanks." 1998.	HCN, dust and trace metals		
		Copper sulphate exhaust fan	4.0h /day	provided dust concentrations and combined ore spec - assume all dust is PM2.5 in absence of size fraction info	dust and trace metals		
		Sodium metabisulphite exhaust fan	4.0h /day				
		PAX exhaust fan	24.0h /day				
		Lime silo baghouse fan	24.0h /day				
		Drying oven extraction fan	12.0h /day				
		Elution ew extraction fan	16.0h /day	provided dust concentrations and ore spec	NH3, dust and trace metals		
		ICU ew extraction fan	16.0h /day	*Development and Selection of Ammonia Emission Factors*			
		Barring Furnace Exhaust Stack	4.0h /day	provided dust concentrations and combined ore spec Electrically heated - see "Summary of Info Received - Mechanical Equipment List" sheet this source includes a baghouse for dust control - emission limit revised in "Exhaust" worksheet	dust and trace metals		
		Stockpile Ventilation Fan	24.0h /day	provided dust concentrations and combined ore spec	dust and trace metals		
		Carbon Regeneration Kiln	16.0h /day	provided dust concentrations and combined ore spec	Hg, dust and other trace metals		
		CIL	releases related to CIL assumed from the NaCN Fan exhaust	see above (NaCN dust fan)	HCN		
Mobile Combustion Sources - Heavy Equipment							
Other Mobile Sources (heavy equipment) to be modelled (>50L/hr fuel consumption)	Y3	Rotary Drill, Tracked, 200 mm diameter	See Mine Mobile Tab (fuel usage for mobile equipment - provided by Marathon Gold)	US EPA/Canada CEPA Tier 1, 2, 3 and 4 NOx, CO and PM Emission Standards for Off-Road Heavy-Duty Diesel Engines Austalian NPI Emission Estimation Technique for Mining	combustion gases and PM	Point sources located near applicable operating areas	[1], [4], [21], [22], [23], [24], [26], [29], [30], [31]
		DTH Drill, Tracked, 144 mm diameter					
		RC Drill, Tracked, 144mm diameter					
		Wheel Loader, 13 m3 bucket					
		Hydraulic Excavator, 15 m3 bucket					
		Hydraulic Excavator, 12 m3 bucket					
		Rigid Fram Hauler, 132 t payload					
		Rigid Fram Hauler, 91t payload					
		Track Dozer, 447 kW					
		Track Dozer, 325 kW					
		Wheel Dozer, 370 kW					

Reference List - Information provided by Marathon Gold and Published Emission Factors	Link
[1] Information Request responses provided by Marathon Gold: Summary_Info_Received_04262020.xslx	\\Cd1151-f01\work_group\1214\active\121416408\03_data\atmospheric_environment\air quality
[2] Marathon - Valentine - Hauler Operating Hour and Fuel Burn Estimates - Scd10b - Valentine PFS - Peak Operating Period (Y3) - Haul Road Usage.xlsx tab: "Fleet Req", Feb 12, 2020	\\Cd1151-f01\work_group\1214\active\121416408\03_data\atmospheric_environment\air quality\info rec'd\ei_rec'd_20200308
[3] Mechanical Equipment List provided by Marathon Gold - 104319-MX-LST-001_RevE_27Feb20.xlsx	\\Cd1151-f01\work_group\1214\active\121416408\03_data\atmospheric_environment\air quality\info rec'd\ei_rec'd_20200308
[4] Mobile equipment fuel usage provided by Marathon Gold: Marathon PFS - Construction (Y-1) and Peak Operations (Y3) - Fleet Units and Fuel Burn.xls	\\Cd1151-f01\work_group\1214\active\121416408\03_data\atmospheric_environment\air quality\info rec'd\ei_rec'd_20200308
[5] Newfoundland and Labrador Air Pollution Control Regulations, 2004, Newfoundland and Labrador Regulation 39/04	https://www.assembly.nl.ca/legislation/sr/regulations/rc040039.htm
[6] Canadian Council of Ministers of the Environment (CCME) 2020 Canadian Ambient Air Quality Standards (CAAQS)	http://airquality-qualitedelair.ccme.ca/en/
[7] Ontario Ministry of Environment Conservation and Parks (MECP) - Air Contaminant Benchmark (ACB) list: standards, guidelines and screening levels for assessing point of impingement concentrations of air contaminants, March 25, 2019	https://www.ontario.ca/page/air-contaminants-benchmarks-list-standards-guidelines-and-screening-levels-assessing-point
[8] US EPA AP-42 Ch 3.3 Gasoline and Diesel Industrial Engines (1996)	https://www3.epa.gov/ttn/chief/ap42/ch03/final/c03s03.pdf
[9] US EPA AP-42 Ch 3.4 Large Stationary Diesel and All Stationary Dual-fuel Engines (1996)	https://www3.epa.gov/ttn/chief/ap42/ch03/final/c03s04.pdf
[10] US EPA AP-42 Ch 11.9 Western Surface Coal Mining (1998)	https://www3.epa.gov/ttn/chief/ap42/ch11/final/c11s09.pdf
[11] US EPA AP-42 Chapter 11.19.2 - Crushed Stone Processing and Pulverized Mineral Processing (2004)	https://www3.epa.gov/ttn/chief/ap42/ch11/final/c11s19.pdf
[12] US EPA AP-42 Ch 13.2.2 Unpaved Roads (2006)	https://www3.epa.gov/ttn/chief/ap42/ch13/final/c13s0202.pdf
[13] US EPA AP-42 Ch 13.2.4 Aggregate Handling and Storage Piles (2006)	https://www3.epa.gov/ttn/chief/ap42/ch13/final/c13s0204.pdf
[14] US EPA AP-42 Ch 13.2.5 Industrial Wind Erosion (2006)	https://www3.epa.gov/ttn/chief/ap42/ch13/final/c13s0205.pdf
[15] US EPA AP-42 Ch 13.3 Explosives Detonation (1995)	https://www3.epa.gov/ttn/chief/ap42/ch13/final/c13s03.pdf
[16] US EPA AP-42 Appendix A Miscellaneous Data and Conversion Factors (1985)	https://www3.epa.gov/ttn/chief/ap42/appendix/appa.pdf
[17] Development and Selection of Ammonia Emission Factors prepared for the USEPA by Battye, Battye, Overcash and Fudge in August 1994.	https://nepis.epa.gov/Exe/ZyNET.exe/P100ERTR.TXT?ZyActionD=ZyDocument&Client=EPA&Index=1991+Thru+1994&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C91thru94%5CTxt%5C00000028%5CP100ERTR.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=hpfr&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL
[18] Australian National Pollutant Inventory document "Emission estimation technique manual for Gold Ore Processing", Version 2.0. (1998)	http://www.npi.gov.au/system/files/resources/9dbbea8f-b557-edc4-a103-92ecc881d463/files/gold.pdf
[19] Australian Government National Pollution Inventory (NPI) guide for gold ore processing (2006), referenced from Heath, et al., A method for measuring HCN(g) emissions from CIP/CIL tanks. 1998.	http://www.npi.gov.au/system/files/resources/9dbbea8f-b557-edc4-a103-92ecc881d463/files/gold.pdf
[20] Environment and Climate Change Canada (ECCC) National Pollutant Release Inventory (NPRI) Pits and Quarries Reporting Guide 2017.	https://www.canada.ca/en/environment-climate-change/services/national-pollutant-release-inventory/report/pits-quarries-guide.html#s1
[21] Caterpillar D9T Dozer specifications	https://www.plmcat.com/pipeline-equipment/dozers/d9t-dozer
[22] Caterpillar Large Wheel Loader 993K specifications	https://www.cat.com/en_US/products/new/equipment/wheel-loaders/large-wheel-loaders/18366798.html
[23] Caterpillar 777G specifications	https://www.cat.com/en_US/products/new/equipment/off-highway-trucks/off-highway-trucks/18265926.html
[24] Hitachi EX1900 12m3 Excavator specifications	https://www.hitachiconstruction.com/wp-content/uploads/2016/02/DKEX1900HT_16-01.pdf
[25] Nevada Division of Environmental Protection (NDEP) Guidance on Emission Factors for the Mining Industry, May 31, 2017	https://ndep.nv.gov/uploads/air-permitting-docs/ndep-mining-emissions-guidance.pdf
[26] Marathon Gold - Valentine PFS - Fuel Consumption based on equipment usage provided by Marathon Gold - Valentine - PFS - Mine Operations Fuel Consumption - 200602.xlsx	\\Cd1151-f01\work_group\1214\active\121416408\03_data\atmospheric_environment\air quality\info rec'd\ei_rec'c_20200602
[27] Conveyor transfer/drop, processing rates and operating hours provided via email - from Marathon Gold - Jared Dietrich - June 2, 2020	\\Cd1151-f01\work_group\1214\active\121416408\03_data\atmospheric_environment\air quality\info rec'd\ei_rec'c_20200602
[28] Environment and Climate Change Canada (ECCC) Historical Weather Data for Deer Lake (2017-2019). 2020	https://climate.weather.gc.ca/historical_data/search_historic_data_e.html
[29] Canadian Off-road Compression-Ignition (Mobile and Stationary) and Large Spark-Ignition Engine Emission Regulations (ECCC, 2020)	https://laws-lois.justice.gc.ca/eng/regulations/SOR-2020-258/index.html https://nepis.epa.gov/Exe/ZyPDF.cgi/P10081UI.PDF?Dockey=P10081UI.PDF
[30] Nonroad Compression-Ignition Engines - Exhaust Emission Standards (US EPA, 2016a)	http://www.npi.gov.au/resource/emission-estimation-technique-manual-mining
[31] Australian National Pollutant Release Inventory Emission Estimation Technique Manual for Mining, January 2012	https://www.comt.ca/english/programs/trucking/MOU%202014.pdf
[32] Heavy Truck Weight and Dimension Limits for Interprovincial Operations in Canada - Task Force on Vehicle Weights and Dimensions Policy	https://www.petersoncat.com/products/new/mining-trucks/785g
[33] Caterpillar 785G specifications	https://www.cat.com/en_MX/products/new/equipment/drills/rotary-drills/134294315741.html
[34] 200 mm drill specs	https://s7d2.scene7.com/is/content/Caterpillar/C825901
[35] CAT 6030 Hydrualic Shovel - 15.5 m3 hyraulic excavator Exhaust dimensions approximated and net engine power	File saved here: \\Cd1151-f01\work_group\1214\active\121416408\03_data\atmospheric_environment\air quality\model updates_20210601\Updated modelling - info received May 21 2021
[36] Processing plant source/building updates provided via email - from Marathon Gold - Tara Oak - May 21, 2021 (provided source update *table in Processing Srcs_rev_20210521* worksheet)	NA
[37] Processing plant source release parameters revisions - call with Jared Dietrich (Ausenco) June 3, 2021 - sources through side wall except (SP Fan and Drying oven) exhaust vertically	

Model Inputs

	Source	Area	Source ID	Source Type	Location (m)		Release Height	Base Elevation	Stack Diameter	Exit Velocity	Exit Temp	Building Downwash	Area	Sigma Y	Sigma Z	Emission Rates - g/s for point and volume or g/m2s for area																									
					X	Y	(m)	(m)	(m)	(m/s)	(K)	Switch	(m2)	(m)	(m)	TSP N/A-1	PM10 N/A-2	PM2.5 N/A-3	Diesel PM N/A-4	NOX 10102-44-0	SO2 7446-09-5	CO 630-08-0	HCN 74-90-8	NH3 7664-41-7	As 7440-38-2	Cd 7440-43-9	Cu 7440-50-8	Pb 7439-92-1	Hg 7439-97-6	Ni 7440-02-0	Zn 7440-66-6	Ba 7440-39-3	Sr 7440-24-6	Be 7440-41-7	Cobalt 7440-48-4	Li 7439-93-2	Sb 7440-36-0	Sn 7440-31-5	Se 7782-49-2	Cr 7440-47-3	Bi 7440-69-9
1	Acid wash exhaust f	Processing Plant	AW_EXH	POINT	490026	5356944	10.00	380	0.30	12.59	288.15	1	NA	NA	NA	0.534	0.443	0.176	0	0	0	0	0	0	3.90E-06	3.27E-07	4.02E-05	1.13E-05	1.11E-07	3.51E-06	1.32E-05	1.14E-05	1.50E-05	5.61E-08	4.97E-06	7.54E-06	8.19E-06	1.26E-05	1.07E-05	1.84E-05	3.72E-06
2	Lime dust fan	Processing Plant	LD_FAN	POINT	490061	5356936	8.78	380	0.15	16.01	288.15	1	NA	NA	NA	0.170	0.170	0.170	0	0	0	0	0	0	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
3	Sodium cyanide du	Processing Plant	NACN_FAN	POINT	490069	5356925	9.25	380	0.15	16.01	288.15	1	NA	NA	NA	0.170	0.170	0.170	0	0	0	0	8.96	0	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
4	Copper sulphate ex	Processing Plant	CS_FAN	POINT	490063	5356933	2.42	380	0.15	16.01	288.15	1	NA	NA	NA	0.170	0.170	0.170	0	0	0	0	0	0	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
5	Sodium metabisulp	Processing Plant	SMBS_FAN	POINT	490072	5356923	8.02	380	0.15	16.01	288.15	1	NA	NA	NA	0.170	0.170	0.170	0	0	0	0	0	0	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
6	PAX exhaust fan	Processing Plant	PAX_FAN	POINT	490031	5356832	8.91	380	0.15	16.01	288.15	1	NA	NA	NA	0.170	0.170	0.170	0	0	0	0	0	0	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
7	Lime silo baghouse	Processing Plant	LBH_FAN	POINT	489956	5357004	11.75	380	0.15	16.01	288.15	1	NA	NA	NA	0.170	0.170	0.170	0	0	0	0	0	0	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
8	Drying oven extract	Processing Plant	DRYOVEN	POINT	490045	5356948	4.54	380	0.30	8.49	323.15	1	NA	NA	NA	0.120	0.100	0.040	0	0	0	0	0	0	8.76E-07	7.34E-08	9.04E-06	2.55E-06	2.50E-08	7.88E-07	2.97E-06	2.57E-06	3.37E-06	1.26E-08	1.12E-06	1.69E-06	1.84E-06	2.84E-06	2.41E-06	4.13E-06	8.37E-07
9	Elution ew extractic	Processing Plant	ELUTION	POINT	490037	5356944	9.49	380	0.30	8.49	323.15	1	NA	NA	NA	0.120	0.120	0.120	0	0	0	0	0	0.056	8.76E-07	7.34E-08	9.04E-06	2.55E-06	2.50E-08	7.88E-07	2.97E-06	2.57E-06	3.37E-06	1.26E-08	1.12E-06	1.69E-06	1.84E-06	2.84E-06	2.41E-06	4.13E-06	8.37E-07
10	ICU ew extraction fa	Processing Plant	EW_FAN	POINT	490042	5356936	9.49	380	0.30	8.49	323.15	1	NA	NA	NA	0.120	0.120	0.120	0	0	0	0	0	0.056	8.76E-07	7.34E-08	9.04E-06	2.55E-06	2.50E-08	7.88E-07	2.97E-06	2.57E-06	3.37E-06	1.26E-08	1.12E-06	1.69E-06	1.84E-06	2.84E-06	2.41E-06	4.13E-06	8.37E-07
11	Barring Furnace Exh	Processing Plant	BARFURN	POINT	490053	5356944	10.00	380	0.66	11.00	353.15	1	NA	NA	NA	0.76	0.76	0.76	0	0	0	0	0	0	5.52E-06	4.62E-07	5.70E-05	1.61E-05	1.58E-07	4.96E-06	1.87E-05	1.62E-05	2.12E-05	7.94E-08	7.03E-06	1.07E-05	1.16E-05	1.79E-05	1.52E-05	2.60E-05	5.27E-06
12	Stockpile Ventilatio	Processing Plant	SP_FAN	POINT	489892	5357067	15.00	380	0.66	15.20	288.15	1	NA	NA	NA	3.12	2.59	1.03	0	0	0	0	0	0	2.28E-05	1.91E-06	2.35E-04	6.62E-05	6.49E-07	2.05E-05	7.72E-05	6.68E-05	8.76E-05	3.27E-07	2.90E-05	4.40E-05	4.78E-05	7.38E-05	6.27E-05	1.07E-04	2.17E-05
13	Carbon Regeneratic	Processing Plant	CREGEN	POINT	490030	5356968	2.09	380	0.30	8.50	288.15	1	NA	NA	NA	0.120	0.100	0.040	0	0	0	0	0	0.000556	8.76E-07	7.34E-08	9.04E-06	2.55E-06	2.50E-05	7.88E-07	2.97E-06	2.57E-06	3.37E-06	1.26E-08	1.12E-06	1.69E-06	1.84E-06	2.84E-06	2.41E-06	4.13E-06	8.37E-07
14	Rotary Drill, Tracke	Mobile Equipment	DRILL1	POINT	492168	5360183	3.00	390	0.15	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.0214	0.0004	0.1856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	DTH Drill, Tracked,	Mobile Equipment	DRILL2	POINT	492310	5359909	2.00	390	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.0102	0.0002	0.0884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RC Drill, Tracked, 14	Mobile Equipment	DRILL3	POINT	492601	5360110	2.00	390	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.0102	0.0002	0.0884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Rotary Drill, Tracke	Mobile Equipment	DRILL4	POINT	486334	5355845	3.00	400	0.15	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.0214	0.0004	0.1856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Rotary Drill, Tracke	Mobile Equipment	DRILL5	POINT	490133	5358438	3.00	410	0.15	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.0214	0.0004	0.1856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	DTH Drill, Tracked,	Mobile Equipment	DRILL6	POINT	486873	5356150	2.00	400	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.0102	0.0002	0.0884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	DTH Drill, Tracked,	Mobile Equipment	DRILL7	POINT	486654	5355981	2.00	400	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.0102	0.0002	0.0884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Rotary Drill, Tracke	Mobile Equipment	DRILL8	POINT	489646	5358251	3.00	410	0.15	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.0214	0.0004	0.1856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	RC Drill, Tracked, 14	Mobile Equipment	DRILL9	POINT	486607	5356205	2.00	400	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.0102	0.0002	0.0884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	DTH Drill, Tracked,	Mobile Equipment	DRILL10	POINT	489505	5358036	2.00	410	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.0102	0.0002	0.0884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	RC Drill, Tracked, 14	Mobile Equipment	DRILL11	POINT	490611	5358624	2.00	410	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.0102	0.0002	0.0884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Wheel Loader, 13 m3 bucket	Mobile Equipment	LOAD1	POINT	489816	5358282	5.00	410	0.25	20.00	723.15	0	NA	NA	NA	0.0039	0.0039	0.0039	0.0039	0.3373	0.0006	0.3373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Wheel Loader, 13 m3 bucket	Mobile Equipment	LOAD2	POINT	486725	5356126	5.00	400	0.25	20.00	723.15	0	NA	NA	NA	0.0039	0.0039	0.0039	0.0039	0.3373	0.0006	0.3373	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Hydraulic Excavator	Mobile Equipment	EXCAV1	POINT	492588	5360582	6.40	390	0.46	20.00	723.15	0	NA	NA	NA	0.0048	0.0048	0.0048	0.0048	0.4157	0.0008	0.4157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Hydraulic Excavator	Mobile Equipment	EXCAV2	POINT	490475	5358728	6.40	410	0.46	20.00	723.15	0	NA	NA	NA	0.0048	0.0048	0.0048	0.0048	0.4157	0.0008	0.4157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Hydraulic Excavator	Mobile Equipment	EXCAV3	POINT	486522	5355789	5.00	400	0.51	20.00	723.15	0	NA	NA	NA	0.0067	0.0067	0.0067	0.0067	0.5857	0.0011	0.5857	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Hydraulic Excavator	Mobile Equipment	EXCAV4	POINT	489683	5357975	6.40	410	0.46	20.00	723.15	0	NA	NA	NA	0.0048	0.0048	0.0048	0.0048	0.4157	0.0008	0.4157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Hydraulic Excavator	Mobile Equipment	EXCAV5	POINT	486350	5356033	6.40	400	0.46	20.00	723.15	0	NA	NA	NA	0.0048	0.0048	0.0048	0.0048	0.4157	0.0008	0.4157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Hydraulic Excavator	Mobile Equipment	EXCAV6	POINT	490060	5358345	5.00	410	0.51	20.00	723.15	0	NA	NA	NA	0.0067	0.0067	0.0067	0.0067	0.5857	0.0011	0.5857	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Hydraulic Excavator	Mobile Equipment	EXCAV7	POINT	492476	5360214	5.00	390	0.51	20.00	723.15	0	NA	NA	NA	0.0067	0.0067	0.0067	0.0067	0.5857	0.0011	0.5857	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Track Dozer, 447 kW	Mobile Equipment	DOZ1	POINT	492138	5360973	5.00	390	0.30	20.00	723.15	0	NA	NA	NA	0.0010	0.0010	0.0010	0.0010	0.0295	0.0005	0.2554	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Wheel Dozer, 370 k	Mobile Equipment	DOZ2	POINT	492812	5360510	3.00	390	0.20	20.00	723.15	0	NA	NA	NA	0.0008	0.0008	0.0008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Track Dozer, 447 kW	Mobile Equipment	DOZ3	POINT	487383	5356009	5.00	400	0.30	20.00	723.15	0	NA	NA	NA	0.0010	0.0010	0.0010	0.0010	0.0295	0.0005	0.2554	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Track Dozer, 325 kW	Mobile Equipment	DOZ4	POINT	486774	5356248	3.00	400	0.20	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.0214	0.0004	0.1857	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Track Dozer, 325 kW	Mobile Equipment	DOZ5	POINT	489481	5357877	3.00	410	0.20	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.0214	0.0004	0.1857	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Track Dozer, 447 kW	Mobile Equipment	DOZ6	POINT	489934	5358990	5.00	410	0.30	20.00	723.15	0	NA	NA	NA	0.0010	0.0010	0.0010	0.0010	0.0295	0.0005	0.2554	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Wheel Dozer, 370 k	Mobile Equipment	DOZ7	POINT	490261	5358451	3.00	410	0.20	20.00	723.15	0	NA	NA	NA	0.0008	0.0008	0.0008	0.0008	0.0244	0.0004	0.2114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Primary Crushing	Crushing and screer	PRM_CRS	VOLUME	489914	5357230	5.00	400	NA	NA	NA	NA	NA	4.13	2.33	1.70	0.679	0.103	0	0	0	0	0	0	1.24E-05	1.04E-06	1.28E-04	3.61E-05	3.54E-07	1.11E-05	4.20E-05	3.64E-05	4.77E-05	1.78E-07	1.58E-05	2.40E-05	2.60E-05	4.02E-05	3.41E-05	5.84E-05	1.18E-05
42	Pebble Crusher	Crushing and screer	PBL_CRS	VOLUME	489944	5356987	5.00	380	NA	NA	NA	NA	NA	1.09	2.33	0.316	0.126	0.0191	0	0	0	0	0	0	2.30E-06	1.93E-07	2.38E-05	6.71E-06	6.58E-08	2.07E-06	7.82E-06	6.77E-06	8.87E-06	3.31E-08	2.94E-06	4.46E-06	4.84E-06	7.47E-06	6.35E-06	1.09E-05	2.20E-06
43	Screening	Crushing and screer	SCREEN	VOLUME	489935	5357230	3.00	400	NA	NA	NA	NA	NA	4.03	1.40	2.12	0.730	0.111	0	0	0	0	0	0	1.55E-05	1.30E-06	1.60E-04	4.51E-05	4.42E-07	1.39E-05	5.26E-05	4.55E-05	5.96E-05	2.23E-07	1.97E-05	3.00E-05	3.25E-05	5.02E-05	4.27E-05	7.30E-05	1.48E-05
44	Marathon - waste r	Marathon - waste r	MWR_UNLD	VOLUME	491763	5360706	10.00	390	NA	NA	NA	NA	NA	2.33	2.33	0.547	0.259	0.0391	0	0	0	0	0	0	5.47E-06	4.92E-07	5.47E-05	1.09E-05	1.64E-07	3.83E-06	7.54E-06	6.38E-06	5.97E-06	4.92E-08	2.73E-06	1.09E-05	1.64E-05	2.19E-05	1.64E-05	3.30E-05	5.47E-06
45	Marathon - low gra	Marathon - low gra	MLGO_LU	VOLUME	491069	5358998	10.00	390	NA	NA	NA	NA	NA	2.33	2.33	0.032	0.015	0.0023	0	0	0	0	0	0	3.16E-07	2.84E-08	3.16E-06	6.31E-07	9.47E-09	2.21E-07	4.36E-07	3.68E-07	3.45E-07	2.84E-09	1.58E-07	6.31E-07	9.47E-07	1.26E-06	9.47E-07	1.91E-06	3.16E-07
46	Leprechaun - waste	Leprechaun - waste	LWR_UNLD	VOLUME	487016	5355757	10.00	400	NA	NA	NA	NA	NA	2.33	2.33	0.783	0.370	0.0561	0	0	0	0	0	0	7.83E-06	7.04E-07	7.83E-05	3.13E-05	2.35E-07	7.83E-06	2.74E-05	3.14E-05	4.73E-05	1.02E-07	7.83E-06	1.57E-05	7.83E-06	2.35E-05	2.35E-05	2.90E-05	7.83E-06
47	Leprechaun - low gr	Leprechaun - low gr	LLGO_LU	VOLUME	488413	5356821	10.00	400	NA	NA	NA	NA	NA	2.33	2.33	0.005	0.002	0.0004	0	0	0	0	0	0	5.27E-08	4.74E-09	5.27E-07	2.11E-07	1.58E-09	5.27E-08	1.84E-07	2.11E-07	3.18E-07	6.85E-10	5.27E-08	1.05E-07	5.27E-08	1.58E-07	1.58E-07	1.95E-07	5.27E-08
48	Leprechaun - high g	Leprechaun - high g	HGO_LU	VOLUME	489962	5357914	10.00	410	NA	NA	NA	NA	NA	2.33	2.33	0.0149	0.0070	1.06E-03	0	0	0	0	0	0	1.49E-07	1.34E-08	1.49E-06	5.94E-07	4.46E-09	1.49E-07	5.20E-07	5.96E-07	8.97E-07	1.93E-09	1.49E-07	2.97E-07	1.49E-07	4.46E-07	4.46E-07	5.49E-07	1.49E-07
49	Berry - waste rock	Berry - waste rock -	BRW_UNLD	VOLUME	490033	5359007	10.00	410	NA	NA	NA	NA	NA	2.33	2.33	0.5799	0.2743	4.15E-02	0	0	0	0	0	0	1.10E-06	2.03E-08	1.51E-05	2.17E-06	1.45E-08	1.57E-06	1.48E-05	7.25E-06	7.54E-06	5.51E-08	0	1.36E-06	3.48E-06	5.80E-07	2.03E-07	3.42E-06	5.36E-07
50	Primary crusher dis	Crushing and screer	CONV_PCD	VOLUME	489925	5357216	2.00	400	NA	NA	NA	NA	NA	0.70	0.47	0.123	0.0581	8.80E-03	0	0	0	0	0	0	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
51	Crushed ore stockpi	Crusher Ore Stock P	CONV_COSP	VOLUME	489916	5357045	22.90	380	NA	NA	NA	NA	NA	0.70	10.65	0.123	0.0581	8.80E-03	0	0	0	0	0	0	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
52	SAG mill feed conve	SAG Mill	CONV_SAGM	VOLUME	490000	5356952	2.00	380	NA	NA	NA	NA	NA	0.70	0.47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Pebble crusher con	Pebble Crusher	CONV_PC1	VOLUME	489951	5356979	2.00	380	NA	NA	NA	NA	NA	0.70	0.47	0.0279	0.0132	2.00E-03	0	0	0	0	0	0	2.04E-07	1.71E-08	2.10E-06	5.94E-07	5.82E-09	1.83E-07	6.92E-07	5.99E-07	7.85E-07	2.93E-09	2.60E-07	3.94E-07	4.28E-07	6.61E-07	5.62E-07	9.62E-07	1.95E-07
54	Pebble crusher con	Pebble Crusher	CONV_PC2	VOLUME	489951	5356993	2.00	380	NA	NA	NA	NA	NA	0.70	0.47	0.0279	0.0132	2.00E-03	0	0	0	0	0	0	2.04E-07	1.71E-08	2.10E-06	5.94E-07	5.82E-09	1.83E-07	6.92E-07	5.99E-07	7.85E-07	2.93E-09	2.60E-07	3.94E-07	4.28E-07	6.61E-07	5.62E-07	9.62E-07	1.95E-07
55	Pebble crusher con	Pebble Crusher	CONV_PC3	VOLUME	489958	5356986	2.00	380	NA	NA	NA	NA	NA	0.70	0.47	0.0279	0.0132	2.00E-03	0	0	0	0	0	0	2.04E-07	1.71E-08	2.10E-06	5.94E-07	5.82E-09	1.83E-07	6.92E-07	5.99E-07	7.85E-07	2.93E-09	2.60E-07	3.94E-07	4.28E-07	6.61E-07	5.62E-07	9.62E-07	1.95E-07
56	Crushed ore stockpi	Crusher Ore Stock P	COSDAF1	VOLUME	489945	5357023	2.00	380	NA	NA	NA	NA	NA	1.16	0.47	0.123	0.0581	8.80E-03	0	0	0	0	0	0	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
57	Crushed ore stockpi	Crusher Ore Stock P	COSDAF2	VOLUME	489932	5357013	2.00	380	NA	NA	NA	NA	NA	1.16	0.47	0.123	0.0581	8.80E-03	0	0	0	0	0	0	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
58	Intensive leaching f	CIL	ILFH	VOLUME	490026	5356971	6.50	380	NA	NA	NA	NA	NA	1.16	6.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Blasting - Marathor	Marathon Pit	MPITBLST	VOLUME	492608	5360436	5.00	390	NA	NA	NA	NA	NA	17.44	4.65	3.20	3.20	3.20	0	113	14.2	482	0	0	3.20E-05	2.88E-06	3.20E-04	6.41E-05	9.61E-07	2.24E-05	4.42E-05	3.74E-05	3.50E-05	2.88E-07	1.60E-05	6.41E-05	9.61E-05	1.28E-04	9.61E-05	1.93E-04	3.20E-05
60	Blasting - Leprechau	Leprechaun Pit	LPITBLST	VOLUME	486384	5355993	5.00	400	NA	NA	NA	NA	NA	17.44	4.65	3.20	3.20	3.20	0	113	14.2	482	0	0	3.20E-05	2.88E-06	3.20E-04	1.28E-04	9.61E-07	3.20E-05	1.12E-04	1.29E-04	1.93E-04	4.16E-07	3.20E-05	6.41E-05	3.20E-05	9.61E-05	9.61E-05	1.19E-04	3.20E-05
61	Blasting - Berry Pit	Berry Pit	BPITBLST	VOLUME	489618	5358089	5.00	410	NA	NA	NA	NA	NA	17.44	4.65	3.20	3.20	3.20	0	113	14.2	482	0	0	6.09E-06	1.12E-07	8.33E-05	1.20E-05	8.01E-08	8.65E-06	8.17E-05	4.00E-05	4.16E-05	3.04E-07	0	7.53E-06	1.92E-05	3.20E-06	1.12E-06	1.89E-05	2.96E-06
62	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO1	VOLUME	490560	5358456	5.95	410	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO2	VOLUME	490609	5358456	5.95	409	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO3	VOLUME	490658	5358461	5.95	407	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO4	VOLUME	490705	5358477	5.95	406	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO5	VOLUME	490751	5358495	5.95	404	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO6	VOLUME	490785	5358531	5.95	403	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO7	VOLUME	490816	5358568	5.95	402	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO8	VOLUME	490838	5358613	5.95	401	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO9	VOLUME	490860	5358657	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO10	VOLUME	490891	5358696	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO11	VOLUME	490914	5358739	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO12	VOLUME	490930	5358786	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO13	VOLUME	490945	5358834	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO14	VOLUME	490955	5358882	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO15	VOLUME	490966	5358930	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO16	VOLUME	490977	5358979	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0369	0.0113	0.0012	5.97E-05	0.0052	9.93E-06	0.0052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

78	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS1	VOLUME	489352	5358244	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS2	VOLUME	489384	5358284	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS3	VOLUME	489417	5358323	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS4	VOLUME	489449	5358363	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS5	VOLUME	489490	5358392	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS6	VOLUME	489535	5358417	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS7	VOLUME	489579	5358443	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS8	VOLUME	489620	5358472	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS9	VOLUME	489661	5358503	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS10	VOLUME	489701	5358534	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS11	VOLUME	489730	5358576	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS12	VOLUME	489757	5358619	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS13	VOLUME	489783	5358663	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS14	VOLUME	489811	5358705	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS15	VOLUME	489846	5358742	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS16	VOLUME	489883	5358778	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS17	VOLUME	489921	5358812	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS18	VOLUME	489959	5358846	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS19	VOLUME	489996	5358881	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS20	VOLUME	490023	5358924	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.5489	0.1689	0.0180	1.23E-03	0.1063	2.04E-04	0.1063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS1	VOLUME	489353	5358171	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS2	VOLUME	489308	5358197	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS3	VOLUME	489276	5358159	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS4	VOLUME	489244	5358118	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS5	VOLUME	489215	5358075	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS6	VOLUME	489186	5358032	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS7	VOLUME	489174	5357982	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS8	VOLUME	489167	5357931	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS9	VOLUME	489164	5357879	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS10	VOLUME	489174	5357833	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS11	VOLUME	489214	5357800	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS12	VOLUME	489253	5357766	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS13	VOLUME	489293	5357733	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS14	VOLUME	489333	5357700	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS15	VOLUME	489378	5357673	5.95	407	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS16	VOLUME	489425	5357653	5.95	405	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS17	VOLUME	489474	5357637	5.95	404	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS18	VOLUME	489524	5357622	5.95	403	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS19	VOLUME	489573	5357606	5.95	403	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS20	VOLUME	489623	5357591	5.95	402	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS21	VOLUME	489672	5357575	5.95	401	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS22	VOLUME	489722	5357560	5.95	401	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS23	VOLUME	489771	5357544	5.95	400	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS24	VOLUME	489815	5357517	5.95	400	NA	NA	NA	NA	NA	24.13	5.53	0.0585	0.0180	0.0019	9.45E-05	0.0082	1.57E-05	0.0082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT1	VOLUME	489826	5358254	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT2	VOLUME	489861	5358218	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT3	VOLUME	489897	5358182	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT4	VOLUME	489911	5358133	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT5	VOLUME	489908	5358083	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT6	VOLUME	489876	5358047	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT7	VOLUME	489838	5358013	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT8	VOLUME	489802	5357978	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT9	VOLUME	489765	5357943	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT10	VOLUME	489726	5357912	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT11	VOLUME	489678	5357896	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT12	VOLUME	489630	5357881	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT13	VOLUME	489584	5357860	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT14	VOLUME	489539	5357835	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT15	VOLUME	489493	5357815	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT16	VOLUME	489444	5357802	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT17	VOLUME	489395	5357792	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT18	VOLUME	489349	5357812	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT19	VOLUME	489306	5357837	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT20	VOLUME	489276	5357878	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT21	VOLUME	489264	5357926	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT22	VOLUME	489264	5357976	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT23	VOLUME	489290	5358019	5.95	406	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT24	VOLUME	489321	5358059	5.95	407	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT25	VOLUME	489352	5358099	5.95	408	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT26	VOLUME	489384	5358139	5.95	410	NA	NA	NA	NA	NA	23.57	5.53	0.3039	0.1773	0.0197	1.31E-03	0.1144	2.20E-04	0.1144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT1	VOLUME	490344	5358443	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT2	VOLUME	490330	5358394	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT3	VOLUME	490316	5358346	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT4	VOLUME	490296	5358300	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

152	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT5	VOLUME	490260	5358266	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT6	VOLUME	490217	5358239	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT7	VOLUME	490173	5358214	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT8	VOLUME	490124	5358202	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT9	VOLUME	490075	5358189	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT10	VOLUME	490026	5358190	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT11	VOLUME	489976	5358199	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT12	VOLUME	489938	5358232	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT13	VOLUME	489903	5358268	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT14	VOLUME	489877	5358309	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT15	VOLUME	489865	5358358	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT16	VOLUME	489872	5358403	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT17	VOLUME	489902	5358444	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT18	VOLUME	489932	5358485	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT19	VOLUME	489965	5358523	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT20	VOLUME	490001	5358558	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT21	VOLUME	490037	5358594	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT22	VOLUME	490083	5358612	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT23	VOLUME	490132	5358626	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT24	VOLUME	490180	5358639	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT25	VOLUME	490230	5358644	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT26	VOLUME	490281	5358645	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT27	VOLUME	490326	5358622	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT28	VOLUME	490371	5358599	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT29	VOLUME	490417	5358577	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT30	VOLUME	490452	5358542	5.95	407	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT31	VOLUME	490480	5358501	5.95	409	NA	NA	NA	NA	NA	23.53	5.53	0.0764	0.0445	0.0049	2.45E-04	0.0214	4.10E-05	0.0214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF1	VOLUME	490497	5358440	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF2	VOLUME	490484	5358390	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF3	VOLUME	490471	5358341	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF4	VOLUME	490459	5358291	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF5	VOLUME	490442	5358243	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF6	VOLUME	490424	5358196	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF7	VOLUME	490406	5358148	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
186	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF8	VOLUME	490375	5358107	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF9	VOLUME	490343	5358068	5.95	409	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF10	VOLUME	490311	5358028	5.95	409	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF11	VOLUME	490278	5357989	5.95	408	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF12	VOLUME	490246	5357949	5.95	408	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF13	VOLUME	490215	5357908	5.95	407	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF14	VOLUME	490184	5357868	5.95	407	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF15	VOLUME	490153	5357827	5.95	407	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF16	VOLUME	490122	5357786	5.95	406	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF17	VOLUME	490091	5357746	5.95	406	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF18	VOLUME	490084	5357696	5.95	406	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF19	VOLUME	490081	5357646	5.95	405	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF20	VOLUME	490122	5357668	5.95	405	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF21	VOLUME	490166	5357695	5.95	405	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF22	VOLUME	490204	5357729	5.95	404	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF23	VOLUME	490241	5357764	5.95	403	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF24	VOLUME	490277	5357800	5.95	403	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF25	VOLUME	490313	5357836	5.95	403	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF26	VOLUME	490349	5357872	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF27	VOLUME	490385	5357908	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF28	VOLUME	490424	5357942	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF29	VOLUME	490465	5357972	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF30	VOLUME	490506	5358002	5.95	401	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF31	VOLUME	490547	5358032	5.95	401	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF32	VOLUME	490588	5358063	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF33	VOLUME	490630	5358093	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.1158	0.0356	0.0037	1.87E-04	0.0162	3.11E-05	0.0162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212	HGO + MPIT to CRS	HGO_CRS	HGO_CRS1	VOLUME	490043	5357964	5.95	410	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213	HGO + MPIT to CRS	HGO_CRS	HGO_CRS2	VOLUME	490007	5357932	5.95	409	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214	HGO + MPIT to CRS	HGO_CRS	HGO_CRS3	VOLUME	489972	5357900	5.95	408	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	HGO + MPIT to CRS	HGO_CRS	HGO_CRS4	VOLUME	489951	5357857	5.95	406	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216	HGO + MPIT to CRS	HGO_CRS	HGO_CRS5	VOLUME	489934	5357813	5.95	404	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217	HGO + MPIT to CRS	HGO_CRS	HGO_CRS6	VOLUME	489919	5357767	5.95	404	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218	HGO + MPIT to CRS	HGO_CRS	HGO_CRS7	VOLUME	489905	5357722	5.95	403	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219	HGO + MPIT to CRS	HGO_CRS	HGO_CRS8	VOLUME	489890	5357676	5.95	402	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220	HGO + MPIT to CRS	HGO_CRS	HGO_CRS9	VOLUME	489880	5357630	5.95	402	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221	HGO + MPIT to CRS	HGO_CRS	HGO_CRS10	VOLUME	489873	5357582	5.95	401	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222	HGO + MPIT to CRS	HGO_CRS	HGO_CRS11	VOLUME	489867	5357535	5.95	400	NA	NA	NA	NA	NA	22.23	5.53	0.0523	0.0161	0.0017	8.45E-05	0.0073	1.41E-05	0.0073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223	LLGO to CRS	LLGO_CRS	LLGO_CRS1	VOLUME	488404	5356936	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224	LLGO to CRS	LLGO_CRS	LLGO_CRS2	VOLUME	488451	5356955	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225	LLGO to CRS	LLGO_CRS	LLGO_CRS3	VOLUME	488498	5356974	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226	LLGO to CRS	LLGO_CRS	LLGO_CRS4	VOLUME	488546	5356993	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227	LLGO to CRS	LLGO_CRS	LLGO_CRS5	VOLUME	488593	5357012	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228	LLGO to CRS	LLGO_CRS	LLGO_CRS6	VOLUME	488640	5357030	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229	LLGO to CRS	LLGO_CRS	LLGO_CRS7	VOLUME	488687	5357049	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230	LLGO to CRS	LLGO_CRS	LLGO_CRS8	VOLUME	488735	5357068	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231	LLGO to CRS	LLGO_CRS	LLGO_CRS9	VOLUME	488782	5357087	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232	LLGO to CRS	LLGO_CRS	LLGO_CRS10	VOLUME	488829	5357106	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233	LLGO to CRS	LLGO_CRS	LLGO_CRS11	VOLUME	488877	5357124	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234	LLGO to CRS	LLGO_CRS	LLGO_CRS12	VOLUME	488925	5357141	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235	LLGO to CRS	LLGO_CRS	LLGO_CRS13	VOLUME	488974	5357155	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236	LLGO to CRS	LLGO_CRS	LLGO_CRS14	VOLUME	489022	5357170	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237	LLGO to CRS	LLGO_CRS	LLGO_CRS15	VOLUME	489071	5357184	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238	LLGO to CRS	LLGO_CRS	LLGO_CRS16	VOLUME	489120	5357199	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239	LLGO to CRS	LLGO_CRS	LLGO_CRS17	VOLUME	489169	5357214	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240	LLGO to CRS	LLGO_CRS	LLGO_CRS18	VOLUME	489218	5357228	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241	LLGO to CRS	LLGO_CRS	LLGO_CRS19	VOLUME	489266	5357243	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
242	LLGO to CRS	LLGO_CRS	LLGO_CRS20	VOLUME	489315	5357257	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
243	LLGO to CRS	LLGO_CRS	LLGO_CRS21	VOLUME	489364	5357273	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
244	LLGO to CRS	LLGO_CRS	LLGO_CRS22	VOLUME	489412	5357288	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
245	LLGO to CRS	LLGO_CRS	LLGO_CRS23	VOLUME	489460	5357304	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
246	LLGO to CRS	LLGO_CRS	LLGO_CRS24	VOLUME	489509	5357320	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
247	LLGO to CRS	LLGO_CRS	LLGO_CRS25	VOLUME	489557	5357336	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
248	LLGO to CRS	LLGO_CRS	LLGO_CRS26	VOLUME	489603	5357357	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
249	LLGO to CRS	LLGO_CRS	LLGO_CRS27	VOLUME	489650	5357379	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250	LLGO to CRS	LLGO_CRS	LLGO_CRS28	VOLUME	489696	5357400	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
251	LLGO to CRS	LLGO_CRS	LLGO_CRS29	VOLUME	489742	5357421	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
252	LLGO to CRS	LLGO_CRS	LLGO_CRS30	VOLUME	489789	5357442	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253	LLGO to CRS	LLGO_CRS	LLGO_CRS31	VOLUME	489835	5357463	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
254	LLGO to CRS	LLGO_CRS	LLGO_CRS32	VOLUME	489874	5357440	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
255	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT1	VOLUME	486279	5356166	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
256	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT2	VOLUME	486316	5356200	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
257	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT3	VOLUME	486353	5356234	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
258	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT4	VOLUME	486398	5356256	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
259	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT5	VOLUME	486445	5356273	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
260	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT6	VOLUME	486492	5356291	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
261	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT7	VOLUME	486540	5356308	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
262	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT8	VOLUME	486587	5356325	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT9	VOLUME	486635	5356341	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
264	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT10	VOLUME	486683	5356358	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
265	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT11	VOLUME	486728	5356380	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
266	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT12	VOLUME	486773	5356403	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT13	VOLUME	486818	5356425	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
268	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT14	VOLUME	486864	5356412	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
269	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT15	VOLUME	486910	5356391	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
270	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT16	VOLUME	486956	5356371	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
271	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT17	VOLUME	487002	5356350	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
272	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT18	VOLUME	487041	5356319	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
273	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT19	VOLUME	487072	5356279	5.95	397	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT20	VOLUME	487100	5356238	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
275	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT21	VOLUME	487131	5356198	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
276	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT22	VOLUME	487178	5356189	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.3742	0.2183	0.0244	1.67E-03	0.1452	2.79E-04	0.1452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO1	VOLUME	487263	5356237	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
278	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO2	VOLUME	487302	5356269	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
279	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO3	VOLUME	487341	5356301	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO4	VOLUME	487380	5356333	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO5	VOLUME	487420	5356364	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
282	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO6	VOLUME	487463	5356390	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
283	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO7	VOLUME	487506	5356416	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
284	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO8	VOLUME	487549	5356442	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
285	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO9	VOLUME	487592	5356468	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
286	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO10	VOLUME	487635	5356494	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

287	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO11	VOLUME	487679	5356521	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
288	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO12	VOLUME	487722	5356547	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
289	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO13	VOLUME	487765	5356573	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
290	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO14	VOLUME	487809	5356598	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
291	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO15	VOLUME	487852	5356623	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
292	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO16	VOLUME	487896	5356648	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
293	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO17	VOLUME	487940	5356674	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
294	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO18	VOLUME	487983	5356699	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO19	VOLUME	488027	5356724	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
296	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO20	VOLUME	488070	5356750	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
297	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO21	VOLUME	488113	5356776	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
298	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO22	VOLUME	488157	5356802	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
299	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO23	VOLUME	488200	5356827	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO24	VOLUME	488243	5356854	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
301	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO25	VOLUME	488286	5356881	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO26	VOLUME	488333	5356893	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO27	VOLUME	488383	5356896	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0381	0.0117	0.0012	6.15E-05	0.0053	1.02E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB1	VOLUME	487179	5356134	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
305	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB2	VOLUME	487147	5356094	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
306	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB3	VOLUME	487115	5356054	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
307	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB4	VOLUME	487084	5356014	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
308	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB5	VOLUME	487058	5355970	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB6	VOLUME	487031	5355926	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
310	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB7	VOLUME	486994	5355892	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
311	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB8	VOLUME	486956	5355857	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
312	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB9	VOLUME	486919	5355823	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
313	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB10	VOLUME	486881	5355788	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB11	VOLUME	486842	5355756	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB12	VOLUME	486803	5355723	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
316	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB13	VOLUME	486763	5355691	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
317	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB14	VOLUME	486724	5355658	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB15	VOLUME	486683	5355629	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
319	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB16	VOLUME	486635	5355609	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
320	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB17	VOLUME	486588	5355590	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB18	VOLUME	486540	5355572	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
322	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB19	VOLUME	486490	5355568	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB20	VOLUME	486439	5355563	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
324	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB21	VOLUME	486388	5355562	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB22	VOLUME	486337	5355562	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0192	0.0059	0.0006	3.10E-05	0.0027	5.16E-06	0.0027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS1	VOLUME	487240	5356180	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
327	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS2	VOLUME	487283	5356205	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
328	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS3	VOLUME	487331	5356220	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
329	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS4	VOLUME	487380	5356224	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
330	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS5	VOLUME	487430	5356227	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
331	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS6	VOLUME	487480	5356231	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
332	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS7	VOLUME	487529	5356228	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
333	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS8	VOLUME	487579	5356224	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
334	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS9	VOLUME	487629	5356221	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
335	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS10	VOLUME	487678	5356215	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
336	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS11	VOLUME	487727	5356208	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS12	VOLUME	487777	5356202	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
338	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS13	VOLUME	487826	5356199	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
339	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS14	VOLUME	487876	5356196	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
340	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS15	VOLUME	487924	5356186	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
341	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS16	VOLUME	487970	5356166	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.6732	0.2072	0.0221	1.55E-03	0.1339	2.57E-04	0.1339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
342	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO1	VOLUME	491723	5359329	5.95	390	NA	NA	NA	NA	NA	23.4	5.53	0.0550	0.0169	0.0018	8.89E-05	0.0077	1.48E-05	0.0077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO2	VOLUME	491701	5359284	5.95	390	NA	NA	NA	NA	NA	23.4	5.53	0.0550	0.0169	0.0018	8.89E-05	0.0077	1.48E-05	0.0077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO3	VOLUME	491678	5359239	5.95	390	NA	NA	NA	NA	NA	23.4	5.53	0.0550	0.0169	0.0018	8.89E-05	0.0077	1.48E-05	0.0077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO4	VOLUME	491649	5359198	5.95	393	NA	NA	NA	NA	NA	23.4	5.53	0.0550	0.0169	0.0018	8.89E-05	0.0077	1.48E-05	0.0077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
346	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO5	VOLUME	491618	5359158	5.95	396	NA	NA	NA	NA	NA	23.4	5.53	0.0550	0.0169	0.0018	8.89E-05	0.0077	1.48E-05	0.0077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO6	VOLUME	491585	5359120	5.95	398	NA	NA	NA	NA	NA	23.4	5.53	0.0550	0.0169	0.0018	8.89E-05	0.0077	1.48E-05	0.0077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
348	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO7	VOLUME	491553	5359082	5.95	400	NA	NA	NA	NA	NA	23.4	5.53	0.0550	0.0169	0.0018	8.89E-05	0.0077	1.48E-05	0.0077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
349	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO8	VOLUME	491514	5359050	5.95	400	NA	NA	NA	NA	NA	23.4	5.53	0.0550	0.0169	0.0018	8.89E-05	0.0077	1.48E-05	0.0077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO9	VOLUME	491474	5359019	5.95	400	NA	NA	NA	NA	NA	23.4	5.53	0.0550	0.0169	0.0018	8.89E-05	0.0077	1.48E-05	0.0077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
351	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT1	VOLUME	492512	5360021	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
352	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT2	VOLUME	492550	5360055	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
353	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT3	VOLUME	492588	5360089	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
354	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT4	VOLUME	492626	5360123	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
355	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT5	VOLUME	492664	5360157	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT6	VOLUME	492701	5360191	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
357	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT7	VOLUME	492738	5360226	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
358	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT8	VOLUME	492775	5360261	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT9	VOLUME	492814	5360294	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
360	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT10	VOLUME	492855	5360324	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
361	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT11	VOLUME	492896	5360354	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT12	VOLUME	492931	5360390	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
363	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT13	VOLUME	492957	5360434	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
364	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT14	VOLUME	492968	5360483	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT15	VOLUME	492972	5360534	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
366	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT16	VOLUME	492972	5360584	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
367	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT17	VOLUME	492946	5360627	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
368	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT18	VOLUME	492917	5360668	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
369	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT19	VOLUME	492876	5360699	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
370	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT20	VOLUME	492833	5360725	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
371	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT21	VOLUME	492783	5360731	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
372	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT22	VOLUME	492733	5360737	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
373	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT23	VOLUME	492687	5360720	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
374	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT24	VOLUME	492644	5360693	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
375	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT25	VOLUME	492602	5360664	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT26	VOLUME	492565	5360630	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT27	VOLUME	492527	5360596	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
378	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT28	VOLUME	492489	5360562	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT29	VOLUME	492451	5360529	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
380	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT30	VOLUME	492411	5360497	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
381	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT31	VOLUME	492371	5360465	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
382	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT32	VOLUME	492331	5360433	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
383	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT33	VOLUME	492293	5360400	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT34	VOLUME	492254	5360367	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
385	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT35	VOLUME	492216	5360334	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT36	VOLUME	492174	5360306	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
387	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT37	VOLUME	492126	5360288	5.95	389	NA	NA	NA	NA	NA	23.65	5.53	0.2966	0.1730	0.0192	1.22E-03	0.1066	2.05E-04	0.1066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
388	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB1	VOLUME	492028	5360162	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
389	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB2	VOLUME	492016	5360114	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
390	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB3	VOLUME	492002	5360066	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB4	VOLUME	491991	5360018	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
392	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB5	VOLUME	491987	5359968	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB6	VOLUME	491976	5359920	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
394	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB7	VOLUME	491958	5359873	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
395	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB8	VOLUME	491940	5359827	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
396	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB9	VOLUME	491922	5359780	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
397	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB10	VOLUME	491904	5359733	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
398	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB11	VOLUME	491886	5359687	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
399	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB12	VOLUME	491868	5359640	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB13	VOLUME	491846	5359595	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
401	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB14	VOLUME	491824	5359550	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
402	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB15	VOLUME	491801	5359506	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB16	VOLUME	491779	5359461	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
404	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB17	VOLUME	491754	5359418	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
405	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB18	VOLUME	491728	5359375	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0746	0.0229	0.0024	1.21E-04	0.0104	2.01E-05	0.0104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
406	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS1	VOLUME	492055	5360238	5.95	391	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS2	VOLUME	492007	5360229	5.95	395	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
408	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS3	VOLUME	491958	5360234	5.95	398	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
409	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS4	VOLUME	491909	5360240	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
410	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS5	VOLUME	491864	5360259	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
411	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS6	VOLUME	491818	5360278	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
412	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS7	VOLUME	491771	5360293	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
413	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS8	VOLUME	491724	5360307	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
414	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS9	VOLUME	491676	5360320	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
415	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS10	VOLUME	491629	5360333	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
416	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS11	VOLUME	491586	5360355	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
417	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS12	VOLUME	491552	5360389	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
418	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS13	VOLUME	491540	5360436	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
419	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS14	VOLUME	491538	5360484	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
420	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS15	VOLUME	491552	5360531	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS16	VOLUME	491571	5360575	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

422	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS17	VOLUME	491604	5360612	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
423	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS18	VOLUME	491637	5360649	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
424	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS19	VOLUME	491670	5360686	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4905	0.1509	0.0160	1.05E-03	0.0912	1.75E-04	0.0912	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
425	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO1	VOLUME	491445	5358946	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO2	VOLUME	491412	5358908	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
427	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO3	VOLUME	491378	5358870	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
428	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO4	VOLUME	491345	5358832	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
429	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO5	VOLUME	491312	5358794	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
430	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO6	VOLUME	491279	5358756	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
431	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO7	VOLUME	491241	5358722	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
432	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO8	VOLUME	491204	5358688	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
433	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO9	VOLUME	491162	5358661	5.95	401	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
434	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO10	VOLUME	491119	5358634	5.95	401	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO11	VOLUME	491076	5358607	5.95	402	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
436	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO12	VOLUME	491033	5358581	5.95	402	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
437	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO13	VOLUME	490990	5358555	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
438	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO14	VOLUME	490946	5358529	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
439	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO15	VOLUME	490903	5358503	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
440	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO16	VOLUME	490860	5358477	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
441	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO17	VOLUME	490817	5358451	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
442	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO18	VOLUME	490773	5358425	5.95	404	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
443	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO19	VOLUME	490730	5358399	5.95	404	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
444	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO20	VOLUME	490687	5358373	5.95	404	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
445	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO21	VOLUME	490644	5358346	5.95	405	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
446	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO22	VOLUME	490601	5358320	5.95	405	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
447	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO23	VOLUME	490558	5358293	5.95	405	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
448	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO24	VOLUME	490515	5358267	5.95	406	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO25	VOLUME	490472	5358240	5.95	406	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
450	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO26	VOLUME	490429	5358214	5.95	406	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
451	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO27	VOLUME	490386	5358188	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
452	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO28	VOLUME	490343	5358162	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
453	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO29	VOLUME	490300	5358136	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
454	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO30	VOLUME	490256	5358109	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
455	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO31	VOLUME	490213	5358083	5.95	408	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
456	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO32	VOLUME	490170	5358057	5.95	408	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
457	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO33	VOLUME	490128	5358029	5.95	409	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
458	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO34	VOLUME	490085	5358002	5.95	410	NA	NA	NA	NA	NA	23.48	5.53	0.0381	0.0117	0.0012	6.16E-05	0.0053	1.03E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
459	Berry - waste rock	Berry - waste rock s	BWRS	POLYAREA	See *Lakes* Worksheet		5.00	410	NA	NA	NA	NA	1,452,510	NA	10.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	2.45E-12	4.51E-14	3.35E-11	4.83E-12	3.22E-14	3.48E-12	3.29E-11	1.61E-11	1.68E-11	1.22E-13	0	3.03E-12	7.74E-12	1.29E-12	4.51E-13	7.61E-12	1.19E-12
460	Marathon - waste r	Marathon - waste r	MWRCK	POLYAREA	See *Lakes* Worksheet		4.00	390	NA	NA	NA	NA	820,570	NA	8.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	2.58E-11	3.87E-13	9.02E-12	1.78E-11	1.50E-11	1.41E-11	1.16E-13	6.45E-12	2.58E-11	3.87E-11	5.16E-11	3.87E-11	7.78E-11	1.29E-11
461	Marathon - waste r	Marathon - waste r	MWRS2	POLYAREA	See *Lakes* Worksheet		4.00	390	NA	NA	NA	NA	243,450	NA	8.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	2.58E-11	3.87E-13	9.02E-12	1.78E-11	1.50E-11	1.41E-11	1.16E-13	6.45E-12	2.58E-11	3.87E-11	5.16E-11	3.87E-11	7.78E-11	1.29E-11
462	Marathon - low gra	Marathon - low gra	MLGO	POLYAREA	See *Lakes* Worksheet		6.25	390	NA	NA	NA	NA	127,070	NA	12.50	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	2.58E-11	3.87E-13	9.02E-12	1.78E-11	1.50E-11	1.41E-11	1.16E-13	6.45E-12	2.58E-11	3.87E-11	5.16E-11	3.87E-11	7.78E-11	1.29E-11
463	Leprechaun - waste	Leprechaun - waste	LWRCK	POLYAREA	See *Lakes* Worksheet		7.50	400	NA	NA	NA	NA	674,325	NA	15.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	5.16E-11	3.87E-13	1.29E-11	4.51E-11	5.17E-11	7.78E-11	1.68E-13	1.29E-11	2.58E-11	1.29E-11	3.87E-11	3.87E-11	4.77E-11	1.29E-11
464	Leprechaun - low gr	Leprechaun - low gr	LLGO	POLYAREA	See *Lakes* Worksheet		6.30	400	NA	NA	NA	NA	60,472	NA	12.50	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	5.16E-11	3.87E-13	1.29E-11	4.51E-11	5.17E-11	7.78E-11	1.68E-13	1.29E-11	2.58E-11	1.29E-11	3.87E-11	3.87E-11	4.77E-11	1.29E-11
465	Leprechaun - high g	Leprechaun/Berry -	HGO	POLYAREA	See *Lakes* Worksheet		10.00	410	NA	NA	NA	NA	54,070	NA	20.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	5.16E-11	3.87E-13	1.29E-11	4.51E-11	5.17E-11	7.78E-11	1.68E-13	1.29E-11	2.58E-11	1.29E-11	3.87E-11	3.87E-11	4.77E-11	1.29E-11
466	TMF	Tailings Management Facility	TMF_BCH	POLYAREA	See *Lakes* Worksheet		1.50	400	NA	NA	NA	NA	220,431	NA	3.00	6.19E-03	3.09E-03	4.64E-04	0	0	0	0	0	0	7.81E-08	5.28E-09	1.10E-06	1.13E-07	1.34E-09	1.41E-07	2.76E-07	4.34E-07	3.10E-07	9.81E-10	3.39E-08	8.07E-08	8.46E-08	1.36E-07	1.55E-07	6.96E-07	5.49E-08
	TOTAL Emission Rate (g/s)															***1,417***	***712***	***117.4***	***0.135***	***351.1***	***42.5***	***1458.7***	***8.96***	***0.11***	***0.0174***	***1.18E-03***	***0.244***	***0.0254***	***3.26E-04***	***3.13E-02***	***0.0613***	***0.0962***	***0.0689***	***2.19E-04***	***7.70E-03***	***0.0181***	***0.0190***	***0.0305***	***0.0348***	***0.1543***	***0.0123***

Max Daily

#	Source	Area	Source ID	Source Type	Location (m) X	Location (m) Y	Release Height (m)	Base Elevation (m)	Stack Diameter (m)	Exit Velocity (m/s)	Exit Temp (K)	Building Downwash Switch	Area (m2)	Sigma Y (m)	Sigma Z (m)
1	Acid wash exhaust f	Processing Plant	AW_EXH	POINT	490026	5356944	10.00	380	0.30	12.59	288.15	1	NA	NA	NA
2	Lime dust fan	Processing Plant	LD_FAN	POINT	490061	5356936	8.78	380	0.15	16.01	288.15	1	NA	NA	NA
3	Sodium cyanide du	Processing Plant	NACN_FAN	POINT	490069	5356925	9.25	380	0.15	16.01	288.15	1	NA	NA	NA
4	Copper sulphate ex	Processing Plant	CS_FAN	POINT	490063	5356933	2.42	380	0.15	16.01	288.15	1	NA	NA	NA
5	Sodium metabisulp	Processing Plant	SMBS_FAN	POINT	490072	5356923	8.02	380	0.15	16.01	288.15	1	NA	NA	NA
6	PAX exhaust fan	Processing Plant	PAX_FAN	POINT	490031	5356832	8.91	380	0.15	16.01	288.15	1	NA	NA	NA
7	Lime silo baghouse	Processing Plant	LBH_FAN	POINT	489956	5357004	11.75	380	0.15	16.01	288.15	1	NA	NA	NA
8	Drying oven extract	Processing Plant	DRYOVEN	POINT	490045	5356948	4.54	380	0.30	8.49	323.15	1	NA	NA	NA
9	Elution ew extractic	Processing Plant	ELUTION	POINT	490037	5356944	9.49	380	0.30	8.49	323.15	1	NA	NA	NA
10	ICU ew extraction fa	Processing Plant	EW_FAN	POINT	490042	5356936	9.49	380	0.30	8.49	323.15	1	NA	NA	NA
11	Barring Furnace Exh	Processing Plant	BARFURN	POINT	490053	5356944	10.00	380	0.66	11.00	353.15	1	NA	NA	NA
12	Stockpile Ventilatio	Processing Plant	SP_FAN	POINT	489892	5357067	15.00	380	0.66	15.20	288.15	1	NA	NA	NA
13	Carbon Regeneratic	Processing Plant	CREGEN	POINT	490030	5356968	2.09	380	0.30	8.50	288.15	1	NA	NA	NA
14	Rotary Drill, Tracke	Mobile Equipment	DRILL1	POINT	492168	5360183	3.00	390	0.15	20.00	723.15	0	NA	NA	NA
15	DTH Drill, Tracked,	Mobile Equipment	DRILL2	POINT	492310	5359909	2.00	390	0.10	20.00	723.15	0	NA	NA	NA
16	RC Drill, Tracked, 14	Mobile Equipment	DRILL3	POINT	492601	5360110	2.00	390	0.10	20.00	723.15	0	NA	NA	NA
17	Rotary Drill, Tracke	Mobile Equipment	DRILL4	POINT	486334	5355845	3.00	400	0.15	20.00	723.15	0	NA	NA	NA
18	Rotary Drill, Tracke	Mobile Equipment	DRILL5	POINT	490133	5358438	3.00	410	0.15	20.00	723.15	0	NA	NA	NA
19	DTH Drill, Tracked,	Mobile Equipment	DRILL6	POINT	486873	5356150	2.00	400	0.10	20.00	723.15	0	NA	NA	NA
20	DTH Drill, Tracked,	Mobile Equipment	DRILL7	POINT	486654	5355981	2.00	400	0.10	20.00	723.15	0	NA	NA	NA
21	Rotary Drill, Tracke	Mobile Equipment	DRILL8	POINT	489646	5358251	3.00	410	0.15	20.00	723.15	0	NA	NA	NA
22	RC Drill, Tracked, 14	Mobile Equipment	DRILL9	POINT	486607	5356205	2.00	400	0.10	20.00	723.15	0	NA	NA	NA
23	DTH Drill, Tracked,	Mobile Equipment	DRILL10	POINT	489505	5358036	2.00	410	0.10	20.00	723.15	0	NA	NA	NA
24	RC Drill, Tracked, 14	Mobile Equipment	DRILL11	POINT	490611	5358624	2.00	410	0.10	20.00	723.15	0	NA	NA	NA
25	Wheel Loader, 13 m	Mobile Equipment	LOAD1	POINT	489816	5358282	5.00	410	0.25	20.00	723.15	0	NA	NA	NA
26	Wheel Loader, 13 m	Mobile Equipment	LOAD2	POINT	486725	5356126	5.00	400	0.25	20.00	723.15	0	NA	NA	NA
27	Hydraulic Excavato	Mobile Equipment	EXCAV1	POINT	492588	5360582	6.40	390	0.46	20.00	723.15	0	NA	NA	NA
28	Hydraulic Excavato	Mobile Equipment	EXCAV2	POINT	490475	5358728	6.40	410	0.46	20.00	723.15	0	NA	NA	NA
29	Hydraulic Excavato	Mobile Equipment	EXCAV3	POINT	486522	5355789	5.00	400	0.51	20.00	723.15	0	NA	NA	NA
30	Hydraulic Excavato	Mobile Equipment	EXCAV4	POINT	489683	5357975	6.40	410	0.46	20.00	723.15	0	NA	NA	NA
31	Hydraulic Excavato	Mobile Equipment	EXCAV5	POINT	486350	5356033	6.40	400	0.46	20.00	723.15	0	NA	NA	NA
32	Hydraulic Excavato	Mobile Equipment	EXCAV6	POINT	490060	5358345	5.00	410	0.51	20.00	723.15	0	NA	NA	NA
33	Hydraulic Excavato	Mobile Equipment	EXCAV7	POINT	492476	5360214	5.00	390	0.51	20.00	723.15	0	NA	NA	NA
34	Track Dozer, 447 kW	Mobile Equipment	DOZ1	POINT	492138	5360973	5.00	390	0.30	20.00	723.15	0	NA	NA	NA
35	Wheel Dozer, 370 k	Mobile Equipment	DOZ2	POINT	492812	5360510	3.00	390	0.20	20.00	723.15	0	NA	NA	NA
36	Track Dozer, 447 kW	Mobile Equipment	DOZ3	POINT	487383	5356009	5.00	400	0.30	20.00	723.15	0	NA	NA	NA
37	Track Dozer, 325 kW	Mobile Equipment	DOZ4	POINT	486774	5356248	3.00	400	0.20	20.00	723.15	0	NA	NA	NA
38	Track Dozer, 325 kW	Mobile Equipment	DOZ5	POINT	489481	5357877	3.00	410	0.20	20.00	723.15	0	NA	NA	NA
39	Track Dozer, 447 kW	Mobile Equipment	DOZ6	POINT	489934	5358990	5.00	410	0.30	20.00	723.15	0	NA	NA	NA
40	Wheel Dozer, 370 k	Mobile Equipment	DOZ7	POINT	490261	5358451	3.00	410	0.20	20.00	723.15	0	NA	NA	NA
41	Primary Crushing	Crushing and screer	PRM_CRS	VOLUME	489914	5357230	5.00	400	NA	NA	NA	NA	NA	4.13	2.33
42	Pebble Crusher	Crushing and screer	PBL_CRS	VOLUME	489944	5356987	5.00	380	NA	NA	NA	NA	NA	1.09	2.33
43	Screening	Crushing and screer	SCREEN	VOLUME	489935	5357230	3.00	400	NA	NA	NA	NA	NA	4.03	1.40
44	Marathon - waste r	Marathon - waste r	MWR_UNLD	VOLUME	491763	5360706	10.00	390	NA	NA	NA	NA	NA	2.33	2.33
45	Marathon - low gra	Marathon - low gra	MLGO_LU	VOLUME	491069	5358998	10.00	390	NA	NA	NA	NA	NA	2.33	2.33
46	Leprechaun - waste	Leprechaun - waste	LWR_UNLD	VOLUME	487016	5355757	10.00	400	NA	NA	NA	NA	NA	2.33	2.33
47	Leprechaun - low gr	Leprechaun - low gr	LLGO_LU	VOLUME	488413	5356821	10.00	400	NA	NA	NA	NA	NA	2.33	2.33
48	Leprechaun - high g	Leprechaun - high g	HGO_LU	VOLUME	489962	5357914	10.00	410	NA	NA	NA	NA	NA	2.33	2.33
49	Berry - waste rock	Berry - waste rock -	BRW_UNLD	VOLUME	490033	5359007	10.00	410	NA	NA	NA	NA	NA	2.33	2.33
50	Primary crusher dis	Crushing and screer	CONV_PCD	VOLUME	489925	5357216	2.00	400	NA	NA	NA	NA	NA	0.70	0.47
51	Crushed ore stockpi	Crusher Ore Stock P	CONV_COSP	VOLUME	489916	5357045	22.90	380	NA	NA	NA	NA	NA	0.70	10.65
52	SAG mill feed conve	SAG Mill	CONV_SAGM	VOLUME	490000	5356952	2.00	380	NA	NA	NA	NA	NA	0.70	0.47
53	Pebble crusher con	Pebble Crusher	CONV_PC1	VOLUME	489951	5356979	2.00	380	NA	NA	NA	NA	NA	0.70	0.47
54	Pebble crusher con	Pebble Crusher	CONV_PC2	VOLUME	489951	5356993	2.00	380	NA	NA	NA	NA	NA	0.70	0.47
55	Pebble crusher con	Pebble Crusher	CONV_PC3	VOLUME	489958	5356986	2.00	380	NA	NA	NA	NA	NA	0.70	0.47
56	Crushed ore stockpi	Crusher Ore Stock P	COSDAF1	VOLUME	489945	5357023	2.00	380	NA	NA	NA	NA	NA	1.16	0.47
57	Crushed ore stockpi	Crusher Ore Stock P	COSDAF2	VOLUME	489932	5357013	2.00	380	NA	NA	NA	NA	NA	1.16	0.47
58	Intensive leaching f	CIL	ILFH	VOLUME	490026	5356971	6.50	380	NA	NA	NA	NA	NA	1.16	6.05
59	Blasting - Marathor	Marathon Pit	MPITBLST	VOLUME	492608	5360436	5.00	390	NA	NA	NA	NA	NA	17.44	4.65
60	Blasting - Leprechau	Leprechaun Pit	LPITBLST	VOLUME	486384	5355993	5.00	400	NA	NA	NA	NA	NA	17.44	4.65
61	Blasting - Berry Pit	Berry Pit	BPITBLST	VOLUME	489618	5358089	5.00	410	NA	NA	NA	NA	NA	17.44	4.65
62	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO1	VOLUME	490560	5358456	5.95	410	NA	NA	NA	NA	NA	23.07	5.53
63	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO2	VOLUME	490609	5358456	5.95	409	NA	NA	NA	NA	NA	23.07	5.53
64	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO3	VOLUME	490658	5358461	5.95	407	NA	NA	NA	NA	NA	23.07	5.53
65	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO4	VOLUME	490705	5358477	5.95	406	NA	NA	NA	NA	NA	23.07	5.53
66	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO5	VOLUME	490751	5358495	5.95	404	NA	NA	NA	NA	NA	23.07	5.53
67	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO6	VOLUME	490785	5358531	5.95	403	NA	NA	NA	NA	NA	23.07	5.53
68	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO7	VOLUME	490816	5358568	5.95	402	NA	NA	NA	NA	NA	23.07	5.53
69	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO8	VOLUME	490838	5358613	5.95	401	NA	NA	NA	NA	NA	23.07	5.53
70	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO9	VOLUME	490860	5358657	5.95	400	NA	NA	NA	NA	NA	23.07	5.53
71	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO10	VOLUME	490891	5358696	5.95	400	NA	NA	NA	NA	NA	23.07	5.53
72	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO11	VOLUME	490914	5358739	5.95	400	NA	NA	NA	NA	NA	23.07	5.53
73	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO12	VOLUME	490930	5358786	5.95	400	NA	NA	NA	NA	NA	23.07	5.53
74	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO13	VOLUME	490945	5358834	5.95	400	NA	NA	NA	NA	NA	23.07	5.53
75	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO14	VOLUME	490955	5358882	5.95	400	NA	NA	NA	NA	NA	23.07	5.53
76	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO15	VOLUME	490966	5358930	5.95	400	NA	NA	NA	NA	NA	23.07	5.53
77	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO16	VOLUME	490977	5358979	5.95	400	NA	NA	NA	NA	NA	23.07	5.53
78	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS1	VOLUME	489352	5358244	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
79	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS2	VOLUME	489384	5358284	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
80	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS3	VOLUME	489417	5358323	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
81	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS4	VOLUME	489449	5358363	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
82	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS5	VOLUME	489490	5358392	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
83	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS6	VOLUME	489535	5358417	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
84	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS7	VOLUME	489579	5358443	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
85	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS8	VOLUME	489620	5358472	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
86	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS9	VOLUME	489661	5358503	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
87	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS10	VOLUME	489701	5358534	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
88	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS11	VOLUME	489730	5358576	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
89	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS12	VOLUME	489757	5358619	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
90	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS13	VOLUME	489783	5358663	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
91	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS14	VOLUME	489811	5358705	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
92	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS15	VOLUME	489846	5358742	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
93	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS16	VOLUME	489883	5358778	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
94	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS17	VOLUME	489921	5358812	5.95	410	NA	NA	NA	NA	NA	23.73	5.53
95	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS18	VOLUME	489959	5358846	5.95	410	NA	NA	NA	NA	NA	23.73	5.53

Emission Rates - g/s for point and volume or g/m2s for area

#	TSP N/A-1	PM10 N/A-2	PM2.5 N/A-3	Diesel PM N/A-4	NOX 10102-44-0	SO2 7446-09-5	CO 630-08-0	HCN 74-90-8	NH3 7664-41-7	As 7440-38-2	Cd 7440-43-9	Cu 7440-50-8	Pb 7439-92-1	Hg 7439-97-6	Ni 7440-02-0	Zn 7440-66-6	Ba 7440-39-3	Sr 7440-24-6	Be 7440-41-7	Cobalt 7440-48-4	Li 7439-93-2	Sb 7440-36-0	Sn 7440-31-5	Se 7782-49-2	Cr 7440-47-3	Bi 7440-69-9
1	0.0890	0.0739	0.0294	0	0	0	0	0	0	6.50E-07	5.44E-08	6.70E-06	1.89E-06	1.85E-08	5.84E-07	2.20E-06	1.91E-06	2.50E-06	9.35E-09	8.28E-07	1.26E-06	1.36E-06	2.11E-06	1.79E-06	3.06E-06	6.21E-07
2	0.0283	0.0283	0.0283	0	0	0	0	0	0	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
3	0.0283	0.0283	0.0283	0	0	0	0	1.494	0	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
4	0.0283	0.0283	0.0283	0	0	0	0	0	0	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
5	0.0283	0.0283	0.0283	0	0	0	0	0	0	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
6	0.170	0.170	0.170	0	0	0	0	0	0	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
7	0.170	0.170	0.170	0	0	0	0	0	0	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
8	0.0600	0.0498	0.0198	0	0	0	0	0	0	4.38E-07	3.67E-08	4.52E-06	1.28E-06	1.25E-08	3.94E-07	1.49E-06	1.29E-06	1.69E-06	6.30E-09	5.58E-07	8.47E-07	9.20E-07	1.42E-06	1.21E-06	2.06E-06	4.19E-07
9	0.0800	0.0800	0.0800	0	0	0	0	0	0.037	5.84E-07	4.89E-08	6.03E-06	1.70E-06	1.67E-08	5.25E-07	1.98E-06	1.71E-06	2.25E-06	8.40E-09	7.44E-07	1.13E-06	1.23E-06	1.89E-06	1.61E-06	2.75E-06	5.58E-07
10	0.0800	0.0800	0.0800	0	0	0	0	0	0.037	5.84E-07	4.89E-08	6.03E-06	1.70E-06	1.67E-08	5.25E-07	1.98E-06	1.71E-06	2.25E-06	8.40E-09	7.44E-07	1.13E-06	1.23E-06	1.89E-06	1.61E-06	2.75E-06	5.58E-07
11	0.13	0.13	0.13	0	0	0	0	0	0	9.20E-07	7.71E-08	9.49E-06	2.68E-06	2.63E-08	8.27E-07	3.12E-06	2.70E-06	3.54E-06	1.32E-08	1.17E-06	1.78E-06	1.93E-06	2.98E-06	2.53E-06	4.34E-06	8.79E-07
12	3.12	2.59	1.03	0	0	0	0	0	0	2.28E-05	1.91E-06	2.35E-04	6.62E-05	6.49E-07	2.05E-05	7.72E-05	6.68E-05	8.76E-05	3.27E-07	2.90E-05	4.40E-05	4.78E-05	7.38E-05	6.27E-05	1.07E-04	2.17E-05
13	0.0800	0.0664	0.0264	0	0	0	0	0	0.000556	5.84E-07	4.89E-08	6.03E-06	1.70E-06	1.67E-05	5.25E-07	1.98E-06	1.71E-06	2.25E-06	8.40E-09	7.44E-07	1.13E-06	1.23E-06	1.89E-06	1.61E-06	2.75E-06	5.58E-07
14	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.084	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.084	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.084	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.0039	0.0039	0.0039	0.0039	0.336	0.001	0.336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0.0039	0.0039	0.0039	0.0039	0.336	0.001	0.336	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0.0046	0.0046	0.0046	0.0046	0.400	0.001	0.400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0.0046	0.0046	0.0046	0.0046	0.400	0.001	0.400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0.0067	0.0067	0.0067	0.0067	0.584	0.001	0.584	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0046	0.0046	0.0046	0.0046	0.400	0.001	0.400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0.0046	0.0046	0.0046	0.0046	0.400	0.001	0.400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	0.0067	0.0067	0.0067	0.0067	0.584	0.001	0.584	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0.0067	0.0067	0.0067	0.0067	0.584	0.001	0.584	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	0.0010	0.0010	0.0010	0.0010	0.029	0.0005	0.247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0.0008	0.0008	0.0008	0.0008	0.024	0.0004	0.208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	0.0010	0.0010	0.0010	0.0010	0.029	0.0005	0.247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	0.0010	0.0010	0.0010	0.0010	0.029	0.0005	0.247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0.0008	0.0008	0.0008	0.0008	0.024	0.0004	0.208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	1.27	0.509	0.077	0	0	0	0	0	0	9.29E-06	7.79E-07	9.59E-05	2.71E-05	2.65E-07	8.36E-06	3.15E-05	2.73E-05	3.58E-05	1.34E-07	1.18E-05	1.80E-05	1.95E-05	3.01E-05	2.56E-05	4.38E-05	8.88E-06
42	0.289	0.116	0.0175	0	0	0	0	0	0	2.11E-06	1.77E-07	2.18E-05	6.15E-06	6.03E-08	1.90E-06	7.17E-06	6.20E-06	8.13E-06	3.04E-08	2.69E-06	4.08E-06	4.44E-06	6.85E-06	5.82E-06	9.96E-06	2.02E-06
43	1.59	0.547	0.083	0	0	0	0	0	0	1.16E-05	9.73E-07	1.20E-04	3.38E-05	3.32E-07	1.05E-05	3.94E-05	3.41E-05	4.47E-05	1.67E-07	1.48E-05	2.25E-05	2.44E-05	3.77E-05	3.20E-05	5.48E-05	1.11E-05
44	0.547	0.259	0.0391	0	0	0	0	0	0	5.47E-06	4.92E-07	5.47E-05	1.09E-05	1.64E-07	3.83E-06	7.54E-06	6.38E-06	5.97E-06	4.92E-08	2.73E-06	1.09E-05	1.64E-05	2.19E-05	1.64E-05	3.30E-05	5.47E-06
45	0.032	0.015	0.0023	0	0	0	0	0	0	3.16E-07	2.84E-08	3.16E-06	6.31E-07	9.47E-09	2.21E-07	4.36E-07	3.68E-07	3.45E-07	2.84E-09	1.58E-07	6.31E-07	9.47E-07	1.26E-06	9.47E-07	1.91E-06	3.16E-07
46	0.783	0.370	0.0561	0	0	0	0	0	0	7.83E-06	7.04E-07	7.83E-05	3.13E-05	2.35E-07	7.83E-06	2.74E-05	3.14E-05	4.73E-05	1.02E-07	7.83E-06	1.57E-05	7.83E-06	2.35E-05	2.35E-05	2.90E-05	7.83E-06
47	0.005	0.002	0.0004	0	0	0	0	0	0	5.27E-08	4.74E-09	5.27E-07	2.11E-07	1.58E-09	5.27E-08	1.84E-07	2.11E-07	3.18E-07	6.85E-10	5.27E-08	1.05E-07	5.27E-08	1.58E-07	1.58E-07	1.95E-07	5.27E-08
48	0.0149	0.0070	0.0011	0	0	0	0	0	0	1.49E-07	1.34E-08	1.49E-06	5.94E-07	4.46E-09	1.49E-07	5.20E-07	5.96E-07	8.97E-07	1.93E-09	1.49E-07	2.97E-07	1.49E-07	4.46E-07	4.46E-07	5.49E-07	1.49E-07
49	0.580	0.274	0.0415	0	0	0	0	0	0	1.10E-06	2.03E-08	1.51E-05	2.17E-06	1.45E-08	1.57E-06	1.48E-05	7.25E-06	7.54E-06	5.51E-08	7.48E-06	1.36E-06	3.48E-06	5.80E-07	2.03E-07	3.42E-06	5.36E-07
50	0.123	0.0581	8.80E-03	0	0	0	0	0	0	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
51	0.123	0.0581	8.80E-03	0	0	0	0	0	0	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0.0279	0.0132	2.00E-03	0	0	0	0	0	0	2.04E-07	1.71E-08	2.10E-06	5.94E-07	5.82E-09	1.83E-07	6.92E-07	5.99E-07	7.85E-07	2.93E-09	2.60E-07	3.94E-07	4.28E-07	6.61E-07	5.62E-07	9.62E-07	1.95E-07
54	0.0279	0.0132	2.00E-03	0	0	0	0	0	0	2.04E-07	1.71E-08	2.10E-06	5.94E-07	5.82E-09	1.83E-07	6.92E-07	5.99E-07	7.85E-07	2.93E-09	2.60E-07	3.94E-07	4.28E-07	6.61E-07	5.62E-07	9.62E-07	1.95E-07
55	0.0279	0.0132	2.00E-03	0	0	0	0	0	0	2.04E-07	1.71E-08	2.10E-06	5.94E-07	5.82E-09	1.83E-07	6.92E-07	5.99E-07	7.85E-07	2.93E-09	2.60E-07	3.94E-07	4.28E-07	6.61E-07	5.62E-07	9.62E-07	1.95E-07
56	0.123	0.0581	8.80E-03	0	0	0	0	0	0	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
57	0.123	0.0581	8.80E-03	0	0	0	0	0	0	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0.133	0.133	0.1334	0	4.72	0.590	20.1	0	0	1.33E-06	1.20E-07	1.33E-05	2.67E-06	4.00E-08	9.34E-07	1.84E-06	1.56E-06	1.46E-06	1.20E-08	6.67E-07	2.67E-06	4.00E-06	5.34E-06	4.00E-06	8.05E-06	1.33E-06
60	0.133	0.133	0.1334	0	4.72	0.590	20.1	0	0	1.33E-06	1.20E-07	1.33E-05	5.34E-06	4.00E-08	1.33E-06	4.67E-06	5.36E-06	8.06E-06	1.73E-08	1.33E-06	2.67E-06	1.33E-06	4.00E-06	4.00E-06	4.94E-06	1.33E-06
61	0.133	0.133	0.1334	0	4.72	0.590	20.1	0	0	2.54E-07	4.67E-09	3.47E-06	5.00E-07	3.34E-09	3.60E-07	3.40E-06	1.67E-06	1.73E-06	1.27E-08	0	3.14E-07	8.01E-07	1.33E-07	4.67E-08	7.87E-07	1.23E-07
62	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0.0051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0.0051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0.0051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0.0184	0.0057	0.0006	5.88E-05	0.0051	9.79E-06	0.0051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

96	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS19	VOLUME	489996	5358881	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS20	VOLUME	490023	5358924	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4327	0.1333	0.0144	1.19E-03	0.1035	1.99E-04	0.1035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS1	VOLUME	489353	5358171	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS2	VOLUME	489308	5358197	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS3	VOLUME	489276	5358159	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS4	VOLUME	489244	5358118	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS5	VOLUME	489215	5358075	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS6	VOLUME	489186	5358032	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS7	VOLUME	489174	5357982	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS8	VOLUME	489167	5357931	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS9	VOLUME	489164	5357879	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS10	VOLUME	489174	5357833	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS11	VOLUME	489214	5357800	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS12	VOLUME	489253	5357766	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS13	VOLUME	489293	5357733	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS14	VOLUME	489333	5357700	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS15	VOLUME	489378	5357673	5.95	407	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS16	VOLUME	489425	5357653	5.95	405	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS17	VOLUME	489474	5357637	5.95	404	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS18	VOLUME	489524	5357622	5.95	403	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS19	VOLUME	489573	5357606	5.95	403	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS20	VOLUME	489623	5357591	5.95	402	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS21	VOLUME	489672	5357575	5.95	401	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS22	VOLUME	489722	5357560	5.95	401	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS23	VOLUME	489771	5357544	5.95	400	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS24	VOLUME	489815	5357517	5.95	400	NA	NA	NA	NA	NA	24.13	5.53	0.0483	0.0149	0.0016	9.32E-05	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT1	VOLUME	489826	5358254	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT2	VOLUME	489861	5358218	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT3	VOLUME	489897	5358182	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT4	VOLUME	489911	5358133	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT5	VOLUME	489908	5358083	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT6	VOLUME	489876	5358047	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT7	VOLUME	489838	5358013	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT8	VOLUME	489802	5357978	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT9	VOLUME	489765	5357943	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT10	VOLUME	489726	5357912	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT11	VOLUME	489678	5357896	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT12	VOLUME	489630	5357881	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT13	VOLUME	489584	5357860	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT14	VOLUME	489539	5357835	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT15	VOLUME	489493	5357815	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT16	VOLUME	489444	5357802	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT17	VOLUME	489395	5357792	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT18	VOLUME	489349	5357812	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT19	VOLUME	489306	5357837	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT20	VOLUME	489276	5357878	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT21	VOLUME	489264	5357926	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT22	VOLUME	489264	5357976	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT23	VOLUME	489290	5358019	5.95	406	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT24	VOLUME	489321	5358059	5.95	407	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT25	VOLUME	489352	5358099	5.95	408	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT26	VOLUME	489384	5358139	5.95	410	NA	NA	NA	NA	NA	23.57	5.53	0.2408	0.1406	0.0159	1.28E-03	0.1115	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT1	VOLUME	490344	5358443	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT2	VOLUME	490330	5358394	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT3	VOLUME	490316	5358346	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT4	VOLUME	490296	5358300	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT5	VOLUME	490260	5358266	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT6	VOLUME	490217	5358239	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT7	VOLUME	490173	5358214	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT8	VOLUME	490124	5358202	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT9	VOLUME	490075	5358189	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT10	VOLUME	490026	5358190	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT11	VOLUME	489976	5358199	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT12	VOLUME	489938	5358232	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT13	VOLUME	489903	5358268	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT14	VOLUME	489877	5358309	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT15	VOLUME	489865	5358358	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT16	VOLUME	489872	5358403	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT17	VOLUME	489902	5358444	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT18	VOLUME	489932	5358485	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT19	VOLUME	489965	5358523	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT20	VOLUME	490001	5358558	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT21	VOLUME	490037	5358594	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT22	VOLUME	490083	5358612	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT23	VOLUME	490132	5358626	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT24	VOLUME	490180	5358639	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT25	VOLUME	490230	5358644	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT26	VOLUME	490281	5358645	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT27	VOLUME	490326	5358622	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT28	VOLUME	490371	5358599	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT29	VOLUME	490417	5358577	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

177	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT30	VOLUME	490452	5358542	5.95	407	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT31	VOLUME	490480	5358501	5.95	409	NA	NA	NA	NA	NA	23.53	5.53	0.0525	0.0306	0.0034	2.42E-04	0.0210	4.04E-05	0.0210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF1	VOLUME	490497	5358440	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF2	VOLUME	490484	5358390	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF3	VOLUME	490471	5358341	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF4	VOLUME	490459	5358291	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF5	VOLUME	490442	5358243	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF6	VOLUME	490424	5358196	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF7	VOLUME	490406	5358148	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
186	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF8	VOLUME	490375	5358107	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF9	VOLUME	490343	5358068	5.95	409	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF10	VOLUME	490311	5358028	5.95	409	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF11	VOLUME	490278	5357989	5.95	408	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF12	VOLUME	490246	5357949	5.95	408	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF13	VOLUME	490215	5357908	5.95	407	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF14	VOLUME	490184	5357868	5.95	407	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF15	VOLUME	490153	5357827	5.95	407	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF16	VOLUME	490122	5357786	5.95	406	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF17	VOLUME	490091	5357746	5.95	406	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF18	VOLUME	490084	5357696	5.95	406	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF19	VOLUME	490081	5357646	5.95	405	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF20	VOLUME	490122	5357668	5.95	405	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF21	VOLUME	490166	5357695	5.95	405	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF22	VOLUME	490204	5357729	5.95	404	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF23	VOLUME	490241	5357764	5.95	403	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF24	VOLUME	490277	5357800	5.95	403	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF25	VOLUME	490313	5357836	5.95	403	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF26	VOLUME	490349	5357872	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF27	VOLUME	490385	5357908	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF28	VOLUME	490424	5357942	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF29	VOLUME	490465	5357972	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF30	VOLUME	490506	5358002	5.95	401	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF31	VOLUME	490547	5358032	5.95	401	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF32	VOLUME	490588	5358063	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211	BPIT (entrance2) to	BPIT_TMF	BPIT_TMF33	VOLUME	490630	5358093	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0868	0.0267	0.0028	1.84E-04	0.0160	3.07E-05	0.0160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212	HGO + MPIT to CRS	HGO_CRS	HGO_CRS1	VOLUME	490043	5357964	5.95	410	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.0072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213	HGO + MPIT to CRS	HGO_CRS	HGO_CRS2	VOLUME	490007	5357932	5.95	409	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.0072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214	HGO + MPIT to CRS	HGO_CRS	HGO_CRS3	VOLUME	489972	5357900	5.95	408	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.0072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	HGO + MPIT to CRS	HGO_CRS	HGO_CRS4	VOLUME	489951	5357857	5.95	406	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.0072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216	HGO + MPIT to CRS	HGO_CRS	HGO_CRS5	VOLUME	489934	5357813	5.95	404	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217	HGO + MPIT to CRS	HGO_CRS	HGO_CRS6	VOLUME	489919	5357767	5.95	404	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218	HGO + MPIT to CRS	HGO_CRS	HGO_CRS7	VOLUME	489905	5357722	5.95	403	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219	HGO + MPIT to CRS	HGO_CRS	HGO_CRS8	VOLUME	489890	5357676	5.95	402	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220	HGO + MPIT to CRS	HGO_CRS	HGO_CRS9	VOLUME	489880	5357630	5.95	402	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221	HGO + MPIT to CRS	HGO_CRS	HGO_CRS10	VOLUME	489873	5357582	5.95	401	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222	HGO + MPIT to CRS	HGO_CRS	HGO_CRS11	VOLUME	489867	5357535	5.95	400	NA	NA	NA	NA	NA	22.23	5.53	0.0270	0.0083	0.0009	8.33E-05	0.0072	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223	LLGO to CRS	LLGO_CRS	LLGO_CRS1	VOLUME	488404	5356936	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224	LLGO to CRS	LLGO_CRS	LLGO_CRS2	VOLUME	488451	5356955	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225	LLGO to CRS	LLGO_CRS	LLGO_CRS3	VOLUME	488498	5356974	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226	LLGO to CRS	LLGO_CRS	LLGO_CRS4	VOLUME	488546	5356993	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227	LLGO to CRS	LLGO_CRS	LLGO_CRS5	VOLUME	488593	5357012	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228	LLGO to CRS	LLGO_CRS	LLGO_CRS6	VOLUME	488640	5357030	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229	LLGO to CRS	LLGO_CRS	LLGO_CRS7	VOLUME	488687	5357049	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230	LLGO to CRS	LLGO_CRS	LLGO_CRS8	VOLUME	488735	5357068	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231	LLGO to CRS	LLGO_CRS	LLGO_CRS9	VOLUME	488782	5357087	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232	LLGO to CRS	LLGO_CRS	LLGO_CRS10	VOLUME	488829	5357106	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233	LLGO to CRS	LLGO_CRS	LLGO_CRS11	VOLUME	488877	5357124	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234	LLGO to CRS	LLGO_CRS	LLGO_CRS12	VOLUME	488925	5357141	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235	LLGO to CRS	LLGO_CRS	LLGO_CRS13	VOLUME	488974	5357155	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236	LLGO to CRS	LLGO_CRS	LLGO_CRS14	VOLUME	489022	5357170	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237	LLGO to CRS	LLGO_CRS	LLGO_CRS15	VOLUME	489071	5357184	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238	LLGO to CRS	LLGO_CRS	LLGO_CRS16	VOLUME	489120	5357199	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239	LLGO to CRS	LLGO_CRS	LLGO_CRS17	VOLUME	489169	5357214	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240	LLGO to CRS	LLGO_CRS	LLGO_CRS18	VOLUME	489218	5357228	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241	LLGO to CRS	LLGO_CRS	LLGO_CRS19	VOLUME	489266	5357243	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
242	LLGO to CRS	LLGO_CRS	LLGO_CRS20	VOLUME	489315	5357257	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
243	LLGO to CRS	LLGO_CRS	LLGO_CRS21	VOLUME	489364	5357273	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
244	LLGO to CRS	LLGO_CRS	LLGO_CRS22	VOLUME	489412	5357288	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
245	LLGO to CRS	LLGO_CRS	LLGO_CRS23	VOLUME	489460	5357304	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
246	LLGO to CRS	LLGO_CRS	LLGO_CRS24	VOLUME	489509	5357320	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
247	LLGO to CRS	LLGO_CRS	LLGO_CRS25	VOLUME	489557	5357336	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
248	LLGO to CRS	LLGO_CRS	LLGO_CRS26	VOLUME	489603	5357357	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
249	LLGO to CRS	LLGO_CRS	LLGO_CRS27	VOLUME	489650	5357379	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250	LLGO to CRS	LLGO_CRS	LLGO_CRS28	VOLUME	489696	5357400	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
251	LLGO to CRS	LLGO_CRS	LLGO_CRS29	VOLUME	489742	5357421	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
252	LLGO to CRS	LLGO_CRS	LLGO_CRS30	VOLUME	489789	5357442	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253	LLGO to CRS	LLGO_CRS	LLGO_CRS31	VOLUME	489835	5357463	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
254	LLGO to CRS	LLGO_CRS	LLGO_CRS32	VOLUME	489874	5357440	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0090	0.0028	0.0003	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
255	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT1	VOLUME	486279	5356166	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
256	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT2	VOLUME	486316	5356200	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
257	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT3	VOLUME	486353	5356234	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
258	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT4	VOLUME	486398	5356256	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
259	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT5	VOLUME	486445	5356273	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
260	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT6	VOLUME	486492	5356291	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
261	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT7	VOLUME	486540	5356308	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
262	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT8	VOLUME	486587	5356325	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT9	VOLUME	486635	5356341	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
264	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT10	VOLUME	486683	5356358	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
265	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT11	VOLUME	486728	5356380	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
266	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT12	VOLUME	486773	5356403	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT13	VOLUME	486818	5356425	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
268	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT14	VOLUME	486864	5356412	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
269	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT15	VOLUME	486910	5356391	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
270	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT16	VOLUME	486956	5356371	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
271	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT17	VOLUME	487002	5356350	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
272	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT18	VOLUME	487041	5356319	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
273	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT19	VOLUME	487072	5356279	5.95	397	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT20	VOLUME	487100	5356238	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
275	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT21	VOLUME	487131	5356198	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
276	LPIT (in pit) to LLGO	LPIT_INPIT	LPIT_INPIT22	VOLUME	487178	5356189	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.2980	0.1740	0.0197	1.62E-03	0.1414	2.72E-04	0.141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO1	VOLUME	487263	5356237	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
278	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO2	VOLUME	487302	5356269	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
279	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO3	VOLUME	487341	5356301	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO4	VOLUME	487380	5356333	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO5	VOLUME	487420	5356364	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
282	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO6	VOLUME	487463	5356390	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
283	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO7	VOLUME	487506	5356416	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
284	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO8	VOLUME	487549	5356442	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
285	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO9	VOLUME	487592	5356468	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
286	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO10	VOLUME	487635	5356494	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
287	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO11	VOLUME	487679	5356521	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
288	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO12	VOLUME	487722	5356547	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
289	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO13	VOLUME	487765	5356573	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
290	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO14	VOLUME	487809	5356598	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
291	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO15	VOLUME	487852	5356623	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
292	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO16	VOLUME	487896	5356648	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
293	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO17	VOLUME	487940	5356674	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
294	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO18	VOLUME	487983	5356699	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO19	VOLUME	488027	5356724	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
296	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO20	VOLUME	488070	5356750	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
297	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO21	VOLUME	488113	5356776	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
298	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO22	VOLUME	488157	5356802	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
299	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO23	VOLUME	488200	5356827	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO24	VOLUME	488243	5356854	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
301	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO25	VOLUME	488286	5356881	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO26	VOLUME	488333	5356893	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303	LPIT (entrance) to L	LPIT_LLGO	LPIT_LLGO27	VOLUME	488383	5356896	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0135	0.0042	0.0005	6.06E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB1	VOLUME	487179	5356134	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
305	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB2	VOLUME	487147	5356094	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
306	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB3	VOLUME	487115	5356054	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
307	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB4	VOLUME	487084	5356014	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
308	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB5	VOLUME	487058	5355970	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB6	VOLUME	487031	5355926	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
310	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB7	VOLUME	486994	5355892	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
311	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB8	VOLUME	486956	5355857	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

312	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB9	VOLUME	486919	5355823	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
313	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB10	VOLUME	486881	5355788	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB11	VOLUME	486842	5355756	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB12	VOLUME	486803	5355723	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
316	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB13	VOLUME	486763	5355691	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
317	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB14	VOLUME	486724	5355658	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB15	VOLUME	486683	5355629	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
319	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB16	VOLUME	486635	5355609	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
320	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB17	VOLUME	486588	5355590	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB18	VOLUME	486540	5355572	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
322	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB19	VOLUME	486490	5355568	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB20	VOLUME	486439	5355563	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
324	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB21	VOLUME	486388	5355562	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB22	VOLUME	486337	5355562	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0110	0.0034	0.0004	3.06E-05	0.0026	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS1	VOLUME	487240	5356180	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
327	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS2	VOLUME	487283	5356205	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
328	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS3	VOLUME	487331	5356220	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
329	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS4	VOLUME	487380	5356224	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
330	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS5	VOLUME	487430	5356227	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
331	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS6	VOLUME	487480	5356231	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
332	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS7	VOLUME	487529	5356228	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
333	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS8	VOLUME	487579	5356224	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
334	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS9	VOLUME	487629	5356221	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
335	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS10	VOLUME	487678	5356215	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
336	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS11	VOLUME	487727	5356208	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS12	VOLUME	487777	5356202	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
338	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS13	VOLUME	487826	5356199	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
339	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS14	VOLUME	487876	5356196	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
340	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS15	VOLUME	487924	5356186	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
341	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS16	VOLUME	487970	5356166	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5564	0.1714	0.0185	1.50E-03	0.1303	2.50E-04	0.130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
342	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO1	VOLUME	491723	5359329	5.95	390	NA	NA	NA	NA	NA	23.4	5.53	0.0240	0.0074	0.0008	8.76E-05	0.0076	1.46E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO2	VOLUME	491701	5359284	5.95	390	NA	NA	NA	NA	NA	23.4	5.53	0.0240	0.0074	0.0008	8.76E-05	0.0076	1.46E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO3	VOLUME	491678	5359239	5.95	390	NA	NA	NA	NA	NA	23.4	5.53	0.0240	0.0074	0.0008	8.76E-05	0.0076	1.46E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO4	VOLUME	491649	5359198	5.95	393	NA	NA	NA	NA	NA	23.4	5.53	0.0240	0.0074	0.0008	8.76E-05	0.0076	1.46E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
346	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO5	VOLUME	491618	5359158	5.95	396	NA	NA	NA	NA	NA	23.4	5.53	0.0240	0.0074	0.0008	8.76E-05	0.0076	1.46E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO6	VOLUME	491585	5359120	5.95	398	NA	NA	NA	NA	NA	23.4	5.53	0.0240	0.0074	0.0008	8.76E-05	0.0076	1.46E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
348	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO7	VOLUME	491553	5359082	5.95	400	NA	NA	NA	NA	NA	23.4	5.53	0.0240	0.0074	0.0008	8.76E-05	0.0076	1.46E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
349	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO8	VOLUME	491514	5359050	5.95	400	NA	NA	NA	NA	NA	23.4	5.53	0.0240	0.0074	0.0008	8.76E-05	0.0076	1.46E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO9	VOLUME	491474	5359019	5.95	400	NA	NA	NA	NA	NA	23.4	5.53	0.0240	0.0074	0.0008	8.76E-05	0.0076	1.46E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
351	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT1	VOLUME	492512	5360021	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
352	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT2	VOLUME	492550	5360055	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
353	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT3	VOLUME	492588	5360089	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
354	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT4	VOLUME	492626	5360123	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
355	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT5	VOLUME	492664	5360157	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT6	VOLUME	492701	5360191	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
357	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT7	VOLUME	492738	5360226	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
358	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT8	VOLUME	492775	5360261	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT9	VOLUME	492814	5360294	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
360	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT10	VOLUME	492855	5360324	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
361	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT11	VOLUME	492896	5360354	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT12	VOLUME	492931	5360390	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
363	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT13	VOLUME	492957	5360434	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
364	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT14	VOLUME	492968	5360483	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT15	VOLUME	492972	5360534	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
366	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT16	VOLUME	492972	5360584	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
367	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT17	VOLUME	492946	5360627	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
368	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT18	VOLUME	492917	5360668	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
369	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT19	VOLUME	492876	5360699	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
370	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT20	VOLUME	492833	5360725	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
371	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT21	VOLUME	492783	5360731	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
372	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT22	VOLUME	492733	5360737	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
373	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT23	VOLUME	492687	5360720	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
374	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT24	VOLUME	492644	5360693	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
375	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT25	VOLUME	492602	5360664	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT26	VOLUME	492565	5360630	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT27	VOLUME	492527	5360596	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
378	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT28	VOLUME	492489	5360562	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT29	VOLUME	492451	5360529	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
380	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT30	VOLUME	492411	5360497	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
381	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT31	VOLUME	492371	5360465	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
382	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT32	VOLUME	492331	5360433	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
383	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT33	VOLUME	492293	5360400	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT34	VOLUME	492254	5360367	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
385	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT35	VOLUME	492216	5360334	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT36	VOLUME	492174	5360306	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
387	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT37	VOLUME	492126	5360288	5.95	389	NA	NA	NA	NA	NA	23.65	5.53	0.2296	0.1340	0.0151	1.19E-03	0.1040	2.00E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
388	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB1	VOLUME	492028	5360162	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
389	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB2	VOLUME	492016	5360114	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
390	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB3	VOLUME	492002	5360066	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB4	VOLUME	491991	5360018	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
392	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB5	VOLUME	491987	5359968	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB6	VOLUME	491976	5359920	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
394	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB7	VOLUME	491958	5359873	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
395	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB8	VOLUME	491940	5359827	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
396	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB9	VOLUME	491922	5359780	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
397	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB10	VOLUME	491904	5359733	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
398	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB11	VOLUME	491886	5359687	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
399	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB12	VOLUME	491868	5359640	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB13	VOLUME	491846	5359595	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
401	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB14	VOLUME	491824	5359550	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
402	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB15	VOLUME	491801	5359506	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB16	VOLUME	491779	5359461	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
404	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB17	VOLUME	491754	5359418	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
405	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB18	VOLUME	491728	5359375	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0368	0.0114	0.0012	1.19E-04	0.0103	1.98E-05	0.010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
406	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS1	VOLUME	492055	5360238	5.95	391	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS2	VOLUME	492007	5360229	5.95	395	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
408	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS3	VOLUME	491958	5360234	5.95	398	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
409	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS4	VOLUME	491909	5360240	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
410	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS5	VOLUME	491864	5360259	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
411	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS6	VOLUME	491818	5360278	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
412	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS7	VOLUME	491771	5360293	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
413	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS8	VOLUME	491724	5360307	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
414	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS9	VOLUME	491676	5360320	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
415	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS10	VOLUME	491629	5360333	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
416	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS11	VOLUME	491586	5360355	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
417	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS12	VOLUME	491552	5360389	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
418	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS13	VOLUME	491540	5360436	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
419	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS14	VOLUME	491538	5360484	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
420	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS15	VOLUME	491552	5360531	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS16	VOLUME	491571	5360575	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
422	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS17	VOLUME	491604	5360612	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
423	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS18	VOLUME	491637	5360649	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
424	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS19	VOLUME	491670	5360686	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.4001	0.1232	0.0132	1.03E-03	0.0890	1.71E-04	0.089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
425	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO1	VOLUME	491445	5358946	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO2	VOLUME	491412	5358908	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
427	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO3	VOLUME	491378	5358870	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
428	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO4	VOLUME	491345	5358832	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
429	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO5	VOLUME	491312	5358794	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
430	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO6	VOLUME	491279	5358756	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
431	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO7	VOLUME	491241	5358722	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
432	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO8	VOLUME	491204	5358688	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
433	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO9	VOLUME	491162	5358661	5.95	401	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
434	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO10	VOLUME	491119	5358634	5.95	401	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO11	VOLUME	491076	5358607	5.95	402	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
436	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO12	VOLUME	491033	5358581	5.95	402	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
437	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO13	VOLUME	490990	5358555	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
438	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO14	VOLUME	490946	5358529	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
439	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO15	VOLUME	490903	5358503	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
440	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO16	VOLUME	490860	5358477	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
441	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO17	VOLUME	490817	5358451	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
442	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO18	VOLUME	490773	5358425	5.95	404	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
443	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO19	VOLUME	490730	5358399	5.95	404	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
444	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO20	VOLUME	490687	5358373	5.95	404	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
445	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO21	VOLUME	490644	5358346	5.95	405	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
446	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO22	VOLUME	490601	5358320	5.95	405	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

447	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO23	VOLUME	490558	5358293	5.95	405	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
448	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO24	VOLUME	490515	5358267	5.95	406	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO25	VOLUME	490472	5358240	5.95	406	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
450	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO26	VOLUME	490429	5358214	5.95	406	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
451	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO27	VOLUME	490386	5358188	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
452	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO28	VOLUME	490343	5358162	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
453	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO29	VOLUME	490300	5358136	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
454	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO30	VOLUME	490256	5358109	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
455	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO31	VOLUME	490213	5358083	5.95	408	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
456	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO32	VOLUME	490170	5358057	5.95	408	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
457	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO33	VOLUME	490128	5358029	5.95	409	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
458	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO34	VOLUME	490085	5358002	5.95	410	NA	NA	NA	NA	NA	23.48	5.53	0.0167	0.0052	0.0006	6.07E-05	0.0053	1.01E-05	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
459	Berry - waste rock	Berry - waste rock s	BWRS	POLYAREA	See Lakes Worksheet		5.00	410	NA	NA	NA	NA	145250	NA	10	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	2.45E-12	4.51E-14	3.35E-11	4.83E-12	3.22E-14	3.48E-12	3.29E-11	1.61E-11	1.68E-11	1.22E-13	0	3.03E-12	7.74E-12	1.29E-12	4.51E-13	7.61E-12	1.19E-12
460	Marathon - waste r	Marathon - waste r	MWRCK	POLYAREA	See Lakes Worksheet		4.00	390	NA	NA	NA	NA	820570	NA	8	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	2.58E-11	3.87E-13	9.02E-12	1.78E-11	1.50E-11	1.41E-11	1.16E-13	6.45E-12	2.58E-11	3.87E-11	5.16E-11	3.87E-11	7.78E-11	1.29E-11
461	Marathon - waste r	Marathon - waste r	MWRS2	POLYAREA	See Lakes Worksheet		4.00	390	NA	NA	NA	NA	243450	NA	8	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	2.58E-11	3.87E-13	9.02E-12	1.78E-11	1.50E-11	1.41E-11	1.16E-13	6.45E-12	2.58E-11	3.87E-11	5.16E-11	3.87E-11	7.78E-11	1.29E-11
462	Marathon - low gra	Marathon - low gra	MLGO	POLYAREA	See Lakes Worksheet		6.25	390	NA	NA	NA	NA	127070	NA	12.5	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	2.58E-11	3.87E-13	9.02E-12	1.78E-11	1.50E-11	1.41E-11	1.16E-13	6.45E-12	2.58E-11	3.87E-11	5.16E-11	3.87E-11	7.78E-11	1.29E-11
463	Leprechaun - waste	Leprechaun - waste	LWRCK	POLYAREA	See Lakes Worksheet		7.50	400	NA	NA	NA	NA	674325	NA	15	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	5.16E-11	3.87E-13	1.29E-11	4.51E-11	5.17E-11	7.78E-11	1.68E-13	1.29E-11	2.58E-11	1.29E-11	3.87E-11	3.87E-11	4.77E-11	1.29E-11
464	Leprechaun - low gi	Leprechaun - low gi	LLGO	POLYAREA	See Lakes Worksheet		6.30	400	NA	NA	NA	NA	60472	NA	12.5	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	5.16E-11	3.87E-13	1.29E-11	4.51E-11	5.17E-11	7.78E-11	1.68E-13	1.29E-11	2.58E-11	1.29E-11	3.87E-11	3.87E-11	4.77E-11	1.29E-11
465	Leprechaun - high g	Leprechaun/Berry -	HGO	POLYAREA	See Lakes Worksheet		10.00	410	NA	NA	NA	NA	54070	NA	20	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	5.16E-11	3.87E-13	1.29E-11	4.51E-11	5.17E-11	7.78E-11	1.68E-13	1.29E-11	2.58E-11	1.29E-11	3.87E-11	3.87E-11	4.77E-11	1.29E-11
466	TMF	Tailings Manageme	TMF_BCH	POLYAREA	See Lakes Worksheet		1.50	400	NA	NA	NA	NA	220431	NA	3	6.19E-03	3.09E-03	4.64E-04	0	0	0	0	0	0	7.81E-08	5.28E-09	1.10E-06	1.13E-07	1.34E-09	1.41E-07	2.76E-07	4.34E-07	3.10E-07	9.81E-10	3.39E-08	8.07E-08	8.46E-08	1.36E-07	1.55E-07	6.96E-07	5.49E-08
	TOTAL Emission Rate (g/s)															***1.397***	***698***	***106.2***	***0.132***	***25.0***	***1.8***	***73.6***	***1.49***	***0.07***	***1.73E-02***	***1.17E-03***	***0.2426***	***0.0251***	***3.15E-04***	***3.12E-02***	***0.0610***	***0.0959***	***0.0686***	***2.18E-04***	***7.59E-03***	***1.80E-02***	***0.0188***	***0.0302***	***0.0345***	***0.1538***	***1.22E-02***

Annual

#	Source	Area	Source ID	Source Type	Location (m) X	Location (m) Y	Release Height (m)	Base Elevation (m)	Stack Diameter (m)	Exit Velocity (m/s)	Exit Temp (K)	Building Downwash Switch	Area (m2)	Sigma Y (m)	Sigma Z (m)	TSP	PM10	PM2.5	Diesel PM	NOX	SO2	CO	HCN	NH3
					x	y	hs	belev	ds	vs	ts	dw				N/A-1	N/A-2	N/A-3	N/A-4	10102-44-0	7446-09-5	630-08-0	74-90-8	7664-41-7
1	Acid wash exhaust f	Processing Plant	AW_EXH	POINT	490026	5356944	10.00	380	0.30	12.59	288.15	1	NA	NA	NA	0.0890	0.0739	0.0294	0	0	0	0	0	0
2	Lime dust fan	Processing Plant	LD_FAN	POINT	490061	5356936	8.78	380	0.15	16.01	288.15	1	NA	NA	NA	0.0283	0.0283	0.0283	0	0	0	0	0	0
3	Sodium cyanide du	Processing Plant	NACN_FAN	POINT	490069	5356925	9.25	380	0.15	16.01	288.15	1	NA	NA	NA	0.0283	0.0283	0.0283	0	0	0	0	1.494	0
4	Copper sulphate ex	Processing Plant	CS_FAN	POINT	490063	5356933	2.42	380	0.15	16.01	288.15	1	NA	NA	NA	0.0283	0.0283	0.0283	0	0	0	0	0	0
5	Sodium metabisulp	Processing Plant	SMBS_FAN	POINT	490072	5356923	8.02	380	0.15	16.01	288.15	1	NA	NA	NA	0.0283	0.0283	0.0283	0	0	0	0	0	0
6	PAX exhaust fan	Processing Plant	PAX_FAN	POINT	490031	5356832	8.91	380	0.15	16.01	288.15	1	NA	NA	NA	0.170	0.170	0.170	0	0	0	0	0	0
7	Lime silo baghouse	Processing Plant	LBH_FAN	POINT	489956	5357004	11.75	380	0.15	16.01	288.15	1	NA	NA	NA	0.170	0.170	0.170	0	0	0	0	0	0
8	Drying oven extract	Processing Plant	DRYOVEN	POINT	490045	5356948	4.54	380	0.30	8.49	323.15	1	NA	NA	NA	0.0600	0.0498	0.0198	0	0	0	0	0	0
9	Elution ew extractio	Processing Plant	ELUTION	POINT	490037	5356944	9.49	380	0.30	8.49	323.15	1	NA	NA	NA	0.0800	0.0800	0.0800	0	0	0	0	0	0.037
10	ICU ew extraction fa	Processing Plant	EW_FAN	POINT	490042	5356936	9.49	380	0.30	8.49	323.15	1	NA	NA	NA	0.0800	0.0800	0.0800	0	0	0	0	0	0.037
11	Barring Furnace Exh	Processing Plant	BARFURN	POINT	490053	5356944	10.00	380	0.66	11.00	353.15	1	NA	NA	NA	0.13	0.13	0.13	0	0	0	0	0	0
12	Stockpile Ventilatio	Processing Plant	SP_FAN	POINT	489892	5357067	15.00	380	0.66	15.20	288.15	1	NA	NA	NA	3.12	2.59	1.03	0	0	0	0	0	0
13	Carbon Regeneratio	Processing Plant	CREGEN	POINT	490030	5356968	2.09	380	0.30	8.50	288.15	1	NA	NA	NA	0.0800	0.0664	0.0264	0	0	0	0	0	0.000556
14	Rotary Drill, Tracked	Mobile Equipment	DRILL1	POINT	492168	5360183	3.00	390	0.15	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.182	0	0
15	DTH Drill, Tracked,	Mobile Equipment	DRILL2	POINT	492310	5359909	2.00	390	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.083	0	0
16	RC Drill, Tracked, 14	Mobile Equipment	DRILL3	POINT	492601	5360110	2.00	390	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.084	0	0
17	Rotary Drill, Tracked	Mobile Equipment	DRILL4	POINT	486334	5355845	3.00	400	0.15	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.182	0	0
18	Rotary Drill, Tracked	Mobile Equipment	DRILL5	POINT	490133	5358438	3.00	410	0.15	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.182	0	0
19	DTH Drill, Tracked,	Mobile Equipment	DRILL6	POINT	486873	5356150	2.00	400	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.083	0	0
20	DTH Drill, Tracked,	Mobile Equipment	DRILL7	POINT	486654	5355981	2.00	400	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.083	0	0
21	Rotary Drill, Tracked	Mobile Equipment	DRILL8	POINT	489646	5358251	3.00	410	0.15	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.182	0	0
22	RC Drill, Tracked, 14	Mobile Equipment	DRILL9	POINT	486607	5356205	2.00	400	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.084	0	0
23	DTH Drill, Tracked,	Mobile Equipment	DRILL10	POINT	489505	5358036	2.00	410	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.083	0	0
24	RC Drill, Tracked, 14	Mobile Equipment	DRILL11	POINT	490611	5358624	2.00	410	0.10	20.00	723.15	0	NA	NA	NA	0.0003	0.0003	0.0003	0.0003	0.010	0.0002	0.084	0	0
25	Wheel Loader, 13 m	Mobile Equipment	LOAD1	POINT	489816	5358282	5.00	410	0.25	20.00	723.15	0	NA	NA	NA	0.0039	0.0039	0.0039	0.0039	0.336	0.001	0.336	0	0
26	Wheel Loader, 13 m	Mobile Equipment	LOAD2	POINT	486725	5356126	5.00	400	0.25	20.00	723.15	0	NA	NA	NA	0.0039	0.0039	0.0039	0.0039	0.336	0.001	0.336	0	0
27	Hydraulic Excavator	Mobile Equipment	EXCAV1	POINT	492588	5360582	6.40	390	0.46	20.00	723.15	0	NA	NA	NA	0.0046	0.0046	0.0046	0.0046	0.400	0.001	0.400	0	0
28	Hydraulic Excavator	Mobile Equipment	EXCAV2	POINT	490475	5358728	6.40	410	0.46	20.00	723.15	0	NA	NA	NA	0.0046	0.0046	0.0046	0.0046	0.400	0.001	0.400	0	0
29	Hydraulic Excavator	Mobile Equipment	EXCAV3	POINT	486522	5355789	5.00	400	0.51	20.00	723.15	0	NA	NA	NA	0.0067	0.0067	0.0067	0.0067	0.584	0.001	0.584	0	0
30	Hydraulic Excavator	Mobile Equipment	EXCAV4	POINT	489683	5357975	6.40	410	0.46	20.00	723.15	0	NA	NA	NA	0.0046	0.0046	0.0046	0.0046	0.400	0.001	0.400	0	0
31	Hydraulic Excavator	Mobile Equipment	EXCAV5	POINT	486350	5356033	6.40	400	0.46	20.00	723.15	0	NA	NA	NA	0.0046	0.0046	0.0046	0.0046	0.400	0.001	0.400	0	0
32	Hydraulic Excavator	Mobile Equipment	EXCAV6	POINT	490060	5358345	5.00	410	0.51	20.00	723.15	0	NA	NA	NA	0.0067	0.0067	0.0067	0.0067	0.584	0.001	0.584	0	0
33	Hydraulic Excavator	Mobile Equipment	EXCAV7	POINT	492476	5360214	5.00	390	0.51	20.00	723.15	0	NA	NA	NA	0.0067	0.0067	0.0067	0.0067	0.584	0.001	0.584	0	0
34	Track Dozer, 447 kW	Mobile Equipment	DOZ1	POINT	492138	5360973	5.00	390	0.30	20.00	723.15	0	NA	NA	NA	0.0010	0.0010	0.0010	0.0010	0.029	0.0005	0.247	0	0
35	Wheel Dozer, 370 k	Mobile Equipment	DOZ2	POINT	492812	5360510	3.00	390	0.20	20.00	723.15	0	NA	NA	NA	0.0008	0.0008	0.0008	0.0008	0.024	0.0004	0.208	0	0
36	Track Dozer, 447 kW	Mobile Equipment	DOZ3	POINT	487383	5356009	5.00	400	0.30	20.00	723.15	0	NA	NA	NA	0.0010	0.0010	0.0010	0.0010	0.029	0.0005	0.247	0	0
37	Track Dozer, 325 kW	Mobile Equipment	DOZ4	POINT	486774	5356248	3.00	400	0.20	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.183	0	0
38	Track Dozer, 325 kW	Mobile Equipment	DOZ5	POINT	489481	5357877	3.00	410	0.20	20.00	723.15	0	NA	NA	NA	0.0007	0.0007	0.0007	0.0007	0.021	0.0004	0.183	0	0
39	Track Dozer, 447 kW	Mobile Equipment	DOZ6	POINT	489934	5358990	5.00	410	0.30	20.00	723.15	0	NA	NA	NA	0.0010	0.0010	0.0010	0.0010	0.029	0.0005	0.247	0	0
40	Wheel Dozer, 370 k	Mobile Equipment	DOZ7	POINT	490261	5358451	3.00	410	0.20	20.00	723.15	0	NA	NA	NA	0.0008	0.0008	0.0008	0.0008	0.024	0.0004	0.208	0	0
41	Primary Crushing	Crushing and screen	PRM_CRS	VOLUME	489914	5357230	5.00	400	NA	NA	NA	NA	NA	4.13	2.33	1.27	0.509	0.077	0	0	0	0	0	0
42	Pebble Crusher	Crushing and screen	PBL_CRS	VOLUME	489944	5356987	5.00	380	NA	NA	NA	NA	NA	1.09	2.33	0.289	0.116	0.0175	0	0	0	0	0	0
43	Screening	Crushing and screen	SCREEN	VOLUME	489935	5357230	3.00	400	NA	NA	NA	NA	NA	4.03	1.40	1.59	0.547	0.083	0	0	0	0	0	0
44	Marathon - waste r	Marathon - waste r	MWR_UNLD	VOLUME	491763	5360706	10.00	390	NA	NA	NA	NA	NA	2.33	2.33	0.547	0.259	0.0391	0	0	0	0	0	0
45	Marathon - low gra	Marathon - low gra	MLGO_LU	VOLUME	491069	5358998	10.00	390	NA	NA	NA	NA	NA	2.33	2.33	0.032	0.015	0.0023	0	0	0	0	0	0
46	Leprechaun - waste	Leprechaun - waste	LWR_UNLD	VOLUME	487016	5355757	10.00	400	NA	NA	NA	NA	NA	2.33	2.33	0.783	0.370	0.0561	0	0	0	0	0	0
47	Leprechaun - low gr	Leprechaun - low gr	LLGO_LU	VOLUME	488413	5356821	10.00	400	NA	NA	NA	NA	NA	2.33	2.33	0.005	0.002	0.0004	0	0	0	0	0	0
48	Leprechaun - high g	Leprechaun - high g	HGO_LU	VOLUME	489962	5357914	10.00	410	NA	NA	NA	NA	NA	2.33	2.33	0.0149	0.0070	1.06E-03	0	0	0	0	0	0
49	Berry - waste rock	Berry - waste rock -	BRW_UNLD	VOLUME	490033	5359007	10.00	410	NA	NA	NA	NA	NA	2.33	2.33	0.5799	0.2743	4.15E-02	0	0	0	0	0	0
50	Primary crusher dis	Crushing and screen	CONV_PCD	VOLUME	489925	5357216	2.00	400	NA	NA	NA	NA	NA	0.70	0.47	0.123	0.0581	8.80E-03	0	0	0	0	0	0
51	Crushed ore stockpi	Crusher Ore Stock P	CONV_COSP	VOLUME	489916	5357045	22.90	380	NA	NA	NA	NA	NA	0.70	10.65	0.123	0.0581	8.80E-03	0	0	0	0	0	0
52	SAG mill feed conve	SAG Mill	CONV_SAGM	VOLUME	490000	5356952	2.00	380	NA	NA	NA	NA	NA	0.70	0.47	0	0	0	0	0	0	0	0	0
53	Pebble crusher con	Pebble Crusher	CONV_PC1	VOLUME	489951	5356979	2.00	380	NA	NA	NA	NA	NA	0.70	0.47	0.0279	0.0132	2.00E-03	0	0	0	0	0	0
54	Pebble crusher con	Pebble Crusher	CONV_PC2	VOLUME	489951	5356993	2.00	380	NA	NA	NA	NA	NA	0.70	0.47	0.0279	0.0132	2.00E-03	0	0	0	0	0	0
55	Pebble crusher con	Pebble Crusher	CONV_PC3	VOLUME	489958	5356986	2.00	380	NA	NA	NA	NA	NA	0.70	0.47	0.0279	0.0132	2.00E-03	0	0	0	0	0	0
56	Crushed ore stockpi	Crusher Ore Stock P	COSDAF1	VOLUME	489945	5357023	2.00	380	NA	NA	NA	NA	NA	1.16	0.47	0.123	0.0581	8.80E-03	0	0	0	0	0	0
57	Crushed ore stockpi	Crusher Ore Stock P	COSDAF2	VOLUME	489932	5357013	2.00	380	NA	NA	NA	NA	NA	1.16	0.47	0.123	0.0581	8.80E-03	0	0	0	0	0	0
58	Intensive leaching f	CIL	ILFH	VOLUME	490026	5356971	6.50	380	NA	NA	NA	NA	NA	1.16	6.05	0	0	0	0	0	0	0	0	0
59	Blasting - Marathor	Marathon Pit	MPITBLST	VOLUME	492608	5360436	5.00	390	NA	NA	NA	NA	NA	17.44	4.65	0.084	8.41E-02	8.41E-02	0	2.22	0.277	9.43	0	0
60	Blasting - Leprechau	Leprechaun Pit	LPITBLST	VOLUME	486384	5355993	5.00	400	NA	NA	NA	NA	NA	17.44	4.65	0.084	8.41E-02	8.41E-02	0	2.22	0.277	9.43	0	0
61	Blasting - Berry Pit	Berry Pit	BPITBLST	VOLUME	489618	5358089	5.00	410	NA	NA	NA	NA	NA	17.44	4.65	0.084	8.41E-02	8.41E-02	0	2.22	0.277	9.43	0	0
62	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO1	VOLUME	490560	5358456	5.95	410	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
63	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO2	VOLUME	490609	5358456	5.95	409	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
64	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO3	VOLUME	490658	5358461	5.95	407	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
65	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO4	VOLUME	490705	5358477	5.95	406	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
66	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO5	VOLUME	490751	5358495	5.95	404	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
67	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO6	VOLUME	490785	5358531	5.95	403	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
68	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO7	VOLUME	490816	5358568	5.95	402	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
69	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO8	VOLUME	490838	5358613	5.95	401	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
70	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO9	VOLUME	490860	5358657	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
71	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO10	VOLUME	490891	5358696	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
72	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO11	VOLUME	490914	5358739	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
73	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO12	VOLUME	490930	5358786	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
74	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO13	VOLUME	490945	5358834	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
75	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO14	VOLUME	490955	5358882	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
76	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO15	VOLUME	490966	5358930	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
77	BPIT (entrance2) to	BPIT_BMLGO	BPIT_BMLGO16	VOLUME	490977	5358979	5.95	400	NA	NA	NA	NA	NA	23.07	5.53	0.0179	0.0055	0.0006	0.00006	0.0051	9.79E-06	0.0051	0	0
78	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS1	VOLUME	489352	5358244	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0
79	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS2	VOLUME	489384	5358284	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0
80	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS3	VOLUME	489417	5358323	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0
81	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS4	VOLUME	489449	5358363	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0
82	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS5	VOLUME	489490	5358392	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0
83	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS6	VOLUME	489535	5358417	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0
84	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS7	VOLUME	489579	5358443	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0

Emission Rates - g/s for point and volume or g/m2s for area (continued)

#	As	Cd	Cu	Pb	Hg	Ni	Zn	Ba	Sr	Be	Cobalt	Li	Sb	Sn	Se	Cr	Bi
	7440-38-2	7440-43-9	7440-50-8	7439-92-1	7439-97-6	7440-02-0	7440-66-6	7440-39-3	7440-24-6	7440-41-7	7440-48-4	7439-93-2	7440-36-0	7440-31-5	7782-49-2	7440-47-3	7440-69-9
1	6.50E-07	5.44E-08	6.70E-06	1.89E-06	1.85E-08	5.84E-07	2.20E-06	1.91E-06	2.50E-06	9.35E-09	8.28E-07	1.26E-06	1.36E-06	2.11E-06	1.79E-06	3.06E-06	6.21E-07
2	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
3	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
4	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
5	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
6	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
7	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
8	4.38E-07	3.67E-08	4.52E-06	1.28E-06	1.25E-08	3.94E-07	1.49E-06	1.29E-06	1.69E-06	6.30E-09	5.58E-07	8.47E-07	9.20E-07	1.42E-06	1.21E-06	2.06E-06	4.19E-07
9	5.84E-07	4.89E-08	6.03E-06	1.70E-06	1.67E-08	5.25E-07	1.98E-06	1.71E-06	2.25E-06	8.40E-09	7.44E-07	1.13E-06	1.23E-06	1.89E-06	1.61E-06	2.75E-06	5.58E-07
10	5.84E-07	4.89E-08	6.03E-06	1.70E-06	1.67E-08	5.25E-07	1.98E-06	1.71E-06	2.25E-06	8.40E-09	7.44E-07	1.13E-06	1.23E-06	1.89E-06	1.61E-06	2.75E-06	5.58E-07
11	9.20E-07	7.71E-08	9.49E-06	2.68E-06	2.63E-08	8.27E-07	3.12E-06	2.70E-06	3.54E-06	1.32E-08	1.17E-06	1.78E-06	1.93E-06	2.98E-06	2.53E-06	4.34E-06	8.79E-07
12	2.28E-05	1.91E-06	2.35E-04	6.62E-05	6.49E-07	2.05E-05	7.72E-05	6.68E-05	8.76E-05	3.27E-07	2.90E-05	4.40E-05	4.78E-05	7.38E-05	6.27E-05	1.07E-04	2.17E-05
13	5.84E-07	4.89E-08	6.03E-06	1.70E-06	1.67E-05	5.25E-07	1.98E-06	1.71E-06	2.25E-06	8.40E-09	7.44E-07	1.13E-06	1.23E-06	1.89E-06	1.61E-06	2.75E-06	5.58E-07
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	9.29E-06	7.79E-07	9.59E-05	2.71E-05	2.65E-07	8.36E-06	3.15E-05	2.73E-05	3.58E-05	1.34E-07	1.18E-05	1.80E-05	1.95E-05	3.01E-05	2.56E-05	4.38E-05	8.88E-06
42	2.11E-06	1.77E-07	2.18E-05	6.15E-06	6.03E-08	1.90E-06	7.17E-06	6.20E-06	8.13E-06	3.04E-08	2.69E-06	4.08E-06	4.44E-06	6.85E-06	5.82E-06	9.96E-06	2.02E-06
43	1.16E-05	9.73E-07	1.20E-04	3.38E-05	3.32E-07	1.05E-05	3.94E-05	3.41E-05	4.47E-05	1.67E-07	1.48E-05	2.25E-05	2.44E-05	3.77E-05	3.20E-05	5.48E-05	1.11E-05
44	5.47E-06	4.92E-07	5.47E-05	1.09E-05	1.64E-07	3.83E-06	7.54E-06	6.38E-06	5.97E-06	4.92E-08	2.73E-06	1.09E-05	1.64E-05	2.19E-05	1.64E-05	3.30E-05	5.47E-06
45	3.16E-07	2.84E-08	3.16E-06	6.31E-07	9.47E-09	2.21E-07	4.36E-07	3.68E-07	3.45E-07	2.84E-09	1.58E-07	6.31E-07	9.47E-07	1.26E-06	9.47E-07	1.91E-06	3.16E-07
46	7.83E-06	7.04E-07	7.83E-05	3.13E-05	2.35E-07	7.83E-06	2.74E-05	3.14E-05	4.73E-05	1.02E-07	7.83E-06	1.57E-05	7.83E-06	2.35E-05	2.35E-05	2.90E-05	7.83E-06
47	5.27E-08	4.74E-09	5.27E-07	2.11E-07	1.58E-09	5.27E-08	1.84E-07	2.11E-07	3.18E-07	6.85E-10	5.27E-08	1.05E-07	5.27E-08	1.58E-07	1.58E-07	1.95E-07	5.27E-08
48	1.49E-07	1.34E-08	1.49E-06	5.94E-07	4.46E-09	1.49E-07	5.20E-07	5.96E-07	8.97E-07	1.93E-09	1.49E-07	2.97E-07	1.49E-07	4.46E-07	4.46E-07	5.49E-07	1.49E-07
49	1.10E-06	2.03E-08	1.51E-05	2.17E-06	1.45E-08	1.57E-06	1.48E-05	7.25E-06	7.54E-06	5.51E-08	7.48E-06	1.36E-06	3.48E-06	5.80E-07	2.03E-07	3.42E-06	5.36E-07
50	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
51	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
53	2.04E-07	1.71E-08	2.10E-06	5.94E-07	5.82E-09	1.83E-07	6.92E-07	5.99E-07	7.85E-07	2.93E-09	2.60E-07	3.94E-07	4.28E-07	6.61E-07	5.62E-07	9.62E-07	1.95E-07
54	2.04E-07	1.71E-08	2.10E-06	5.94E-07	5.82E-09	1.83E-07	6.92E-07	5.99E-07	7.85E-07	2.93E-09	2.60E-07	3.94E-07	4.28E-07	6.61E-07	5.62E-07	9.62E-07	1.95E-07
55	2.04E-07	1.71E-08	2.10E-06	5.94E-07	5.82E-09	1.83E-07	6.92E-07	5.99E-07	7.85E-07	2.93E-09	2.60E-07	3.94E-07	4.28E-07	6.61E-07	5.62E-07	9.62E-07	1.95E-07
56	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
57	8.97E-07	7.52E-08	9.26E-06	2.61E-06	2.56E-08	8.07E-07	3.04E-06	2.64E-06	3.45E-06	1.29E-08	1.14E-06	1.74E-06	1.89E-06	2.91E-06	2.47E-06	4.23E-06	8.57E-07
58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	8.41E-07	7.57E-08	8.41E-06	1.68E-06	2.52E-08	5.89E-07	1.16E-06	9.81E-07	9.19E-07	7.57E-09	4.20E-07	1.68E-06	2.52E-06	3.36E-06	2.52E-06	5.07E-06	8.41E-07
60	8.41E-07	7.57E-08	8.41E-06	3.36E-06	2.52E-08	8.41E-07	2.94E-06	3.38E-06	5.08E-06	1.09E-08	8.41E-07	1.68E-06	8.41E-07	2.52E-06	2.52E-06	3.11E-06	8.41E-07
61	1.60E-07	2.94E-09	2.19E-06	3.15E-07	2.10E-09	2.27E-07	2.14E-06	1.05E-06	1.09E-06	7.99E-09	0	1.98E-07	5.05E-07	8.41E-08	2.94E-08	4.96E-07	7.78E-08
62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

85	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS8	VOLUME	489620	5358472	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS9	VOLUME	489661	5358503	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS10	VOLUME	489701	5358534	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS11	VOLUME	489730	5358576	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS12	VOLUME	489757	5358619	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS13	VOLUME	489783	5358663	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS14	VOLUME	489811	5358705	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS15	VOLUME	489846	5358742	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS16	VOLUME	489883	5358778	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS17	VOLUME	489921	5358812	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS18	VOLUME	489959	5358846	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS19	VOLUME	489996	5358881	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	BPIT (entrance1) to	BPIT_BMWRS	BPIT_BMWRS20	VOLUME	490023	5358924	5.95	410	NA	NA	NA	NA	NA	23.73	5.53	0.4209	0.1297	0.0140	0.00119	0.104	1.99E-04	0.104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS1	VOLUME	489353	5358171	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS2	VOLUME	489308	5358197	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS3	VOLUME	489276	5358159	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS4	VOLUME	489244	5358118	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS5	VOLUME	489215	5358075	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS6	VOLUME	489186	5358032	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS7	VOLUME	489174	5357982	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS8	VOLUME	489167	5357931	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS9	VOLUME	489164	5357879	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS10	VOLUME	489174	5357833	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS11	VOLUME	489214	5357800	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS12	VOLUME	489253	5357766	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.008	1.55E-05	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS13	VOLUME	489293	5357733	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS14	VOLUME	489333	5357700	5.95	410	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS15	VOLUME	489378	5357673	5.95	407	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS16	VOLUME	489425	5357653	5.95	405	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS17	VOLUME	489474	5357637	5.95	404	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS18	VOLUME	489524	5357622	5.95	403	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS19	VOLUME	489573	5357606	5.95	403	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS20	VOLUME	489623	5357591	5.95	402	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS21	VOLUME	489672	5357575	5.95	401	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS22	VOLUME	489722	5357560	5.95	401	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS23	VOLUME	489771	5357544	5.95	400	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	BPIT (entrance1) to	BPIT_CRS	BPIT_CRS24	VOLUME	489815	5357517	5.95	400	NA	NA	NA	NA	NA	24.13	5.53	0.0470	0.0145	0.0015	0.00009	0.0081	1.55E-05	0.0081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT1	VOLUME	489826	5358254	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT2	VOLUME	489861	5358218	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT3	VOLUME	489897	5358182	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT4	VOLUME	489911	5358133	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT5	VOLUME	489908	5358083	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT6	VOLUME	489876	5358047	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT7	VOLUME	489838	5358013	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT8	VOLUME	489802	5357978	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT9	VOLUME	489765	5357943	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT10	VOLUME	489726	5357912	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT11	VOLUME	489678	5357896	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT12	VOLUME	489630	5357881	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT13	VOLUME	489584	5357860	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT14	VOLUME	489539	5357835	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT15	VOLUME	489493	5357815	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT16	VOLUME	489444	5357802	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT17	VOLUME	489395	5357792	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT18	VOLUME	489349	5357812	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT19	VOLUME	489306	5357837	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.1115	2.14E-04	0.1115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT20	VOLUME	489276	5357878	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.111	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT21	VOLUME	489264	5357926	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.111	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT22	VOLUME	489264	5357976	5.95	405	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.111	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT23	VOLUME	489290	5358019	5.95	406	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.111	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT24	VOLUME	489321	5358059	5.95	407	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.111	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT25	VOLUME	489352	5358099	5.95	408	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.111	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	BPIT (in pit1) to CRS	BPIT1_INPT	BPIT1_INPT26	VOLUME	489384	5358139	5.95	410	NA	NA	NA	NA	NA	23.57	5.53	0.2342	0.1367	0.0155	0.00128	0.111	2.14E-04	0.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT1	VOLUME	490344	5358443	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT2	VOLUME	490330	5358394	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT3	VOLUME	490316	5358346	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT4	VOLUME	490296	5358300	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT5	VOLUME	490260	5358266	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT6	VOLUME	490217	5358239	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT7	VOLUME	490173	5358214	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT8	VOLUME	490124	5358202	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT9	VOLUME	490075	5358189	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT10	VOLUME	490026	5358190	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT11	VOLUME	489976	5358199	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT12	VOLUME	489938	5358232	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT13	VOLUME	489903	5358268	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT14	VOLUME	489877	5358309	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT15	VOLUME	489865	5358358	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT16	VOLUME	489872	5358403	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT17	VOLUME	489902	5358444	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT18	VOLUME	489932	5358485	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT19	VOLUME	489965	5358523	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT20	VOLUME	490001	5358558	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT21	VOLUME	490037	5358594	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT22	VOLUME	490083	5358612	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	BPIT (in pit2) to LGC	BPIT2_INPT	BPIT2_INPT23	VOLUME	490132	5358626	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

171	BPIT (in pit2) to LGC	BPIT2 INPT	BPIT2 INPT24	VOLUME	490180	5358639	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	BPIT (in pit2) to LGC	BPIT2 INPT	BPIT2 INPT25	VOLUME	490230	5358644	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	BPIT (in pit2) to LGC	BPIT2 INPT	BPIT2 INPT26	VOLUME	490281	5358645	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	BPIT (in pit2) to LGC	BPIT2 INPT	BPIT2 INPT27	VOLUME	490326	5358622	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	BPIT (in pit2) to LGC	BPIT2 INPT	BPIT2 INPT28	VOLUME	490371	5358599	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	BPIT (in pit2) to LGC	BPIT2 INPT	BPIT2 INPT29	VOLUME	490417	5358577	5.95	405	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	BPIT (in pit2) to LGC	BPIT2 INPT	BPIT2 INPT30	VOLUME	490452	5358542	5.95	407	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	BPIT (in pit2) to LGC	BPIT2 INPT	BPIT2 INPT31	VOLUME	490480	5358501	5.95	409	NA	NA	NA	NA	NA	23.53	5.53	0.0510	0.0298	0.0033	0.00024	0.021	4.04E-05	0.021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	BPIT (entrance2) to	BPIT TMF	BPIT TMF1	VOLUME	490497	5358440	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	BPIT (entrance2) to	BPIT TMF	BPIT TMF2	VOLUME	490484	5358390	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181	BPIT (entrance2) to	BPIT TMF	BPIT TMF3	VOLUME	490471	5358341	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	BPIT (entrance2) to	BPIT TMF	BPIT TMF4	VOLUME	490459	5358291	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183	BPIT (entrance2) to	BPIT TMF	BPIT TMF5	VOLUME	490442	5358243	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184	BPIT (entrance2) to	BPIT TMF	BPIT TMF6	VOLUME	490424	5358196	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185	BPIT (entrance2) to	BPIT TMF	BPIT TMF7	VOLUME	490406	5358148	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
186	BPIT (entrance2) to	BPIT TMF	BPIT TMF8	VOLUME	490375	5358107	5.95	410	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187	BPIT (entrance2) to	BPIT TMF	BPIT TMF9	VOLUME	490343	5358068	5.95	409	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188	BPIT (entrance2) to	BPIT TMF	BPIT TMF10	VOLUME	490311	5358028	5.95	409	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
189	BPIT (entrance2) to	BPIT TMF	BPIT TMF11	VOLUME	490278	5357989	5.95	408	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	BPIT (entrance2) to	BPIT TMF	BPIT TMF12	VOLUME	490246	5357949	5.95	408	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191	BPIT (entrance2) to	BPIT TMF	BPIT TMF13	VOLUME	490215	5357908	5.95	407	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192	BPIT (entrance2) to	BPIT TMF	BPIT TMF14	VOLUME	490184	5357868	5.95	407	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193	BPIT (entrance2) to	BPIT TMF	BPIT TMF15	VOLUME	490153	5357827	5.95	407	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194	BPIT (entrance2) to	BPIT TMF	BPIT TMF16	VOLUME	490122	5357786	5.95	406	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195	BPIT (entrance2) to	BPIT TMF	BPIT TMF17	VOLUME	490091	5357746	5.95	406	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196	BPIT (entrance2) to	BPIT TMF	BPIT TMF18	VOLUME	490084	5357696	5.95	406	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197	BPIT (entrance2) to	BPIT TMF	BPIT TMF19	VOLUME	490081	5357646	5.95	405	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198	BPIT (entrance2) to	BPIT TMF	BPIT TMF20	VOLUME	490122	5357668	5.95	405	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199	BPIT (entrance2) to	BPIT TMF	BPIT TMF21	VOLUME	490166	5357695	5.95	405	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	BPIT (entrance2) to	BPIT TMF	BPIT TMF22	VOLUME	490204	5357729	5.95	404	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201	BPIT (entrance2) to	BPIT TMF	BPIT TMF23	VOLUME	490241	5357764	5.95	403	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202	BPIT (entrance2) to	BPIT TMF	BPIT TMF24	VOLUME	490277	5357800	5.95	403	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203	BPIT (entrance2) to	BPIT TMF	BPIT TMF25	VOLUME	490313	5357836	5.95	403	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204	BPIT (entrance2) to	BPIT TMF	BPIT TMF26	VOLUME	490349	5357872	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205	BPIT (entrance2) to	BPIT TMF	BPIT TMF27	VOLUME	490385	5357908	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206	BPIT (entrance2) to	BPIT TMF	BPIT TMF28	VOLUME	490424	5357942	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207	BPIT (entrance2) to	BPIT TMF	BPIT TMF29	VOLUME	490465	5357972	5.95	402	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	BPIT (entrance2) to	BPIT TMF	BPIT TMF30	VOLUME	490506	5358002	5.95	401	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209	BPIT (entrance2) to	BPIT TMF	BPIT TMF31	VOLUME	490547	5358032	5.95	401	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210	BPIT (entrance2) to	BPIT TMF	BPIT TMF32	VOLUME	490588	5358063	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211	BPIT (entrance2) to	BPIT TMF	BPIT TMF33	VOLUME	490630	5358093	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0844	0.0260	0.0028	0.00018	0.016	3.07E-05	0.016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212	HGO + MPIT to CRS	HGO CRS	HGO CRS1	VOLUME	490043	5357964	5.95	410	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213	HGO + MPIT to CRS	HGO CRS	HGO CRS2	VOLUME	490007	5357932	5.95	409	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214	HGO + MPIT to CRS	HGO CRS	HGO CRS3	VOLUME	489972	5357900	5.95	408	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215	HGO + MPIT to CRS	HGO CRS	HGO CRS4	VOLUME	489951	5357857	5.95	406	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216	HGO + MPIT to CRS	HGO CRS	HGO CRS5	VOLUME	489934	5357813	5.95	404	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217	HGO + MPIT to CRS	HGO CRS	HGO CRS6	VOLUME	489919	5357767	5.95	404	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218	HGO + MPIT to CRS	HGO CRS	HGO CRS7	VOLUME	489905	5357722	5.95	403	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219	HGO + MPIT to CRS	HGO CRS	HGO CRS8	VOLUME	489890	5357676	5.95	402	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220	HGO + MPIT to CRS	HGO CRS	HGO CRS9	VOLUME	489880	5357630	5.95	402	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221	HGO + MPIT to CRS	HGO CRS	HGO CRS10	VOLUME	489873	5357582	5.95	401	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222	HGO + MPIT to CRS	HGO CRS	HGO CRS11	VOLUME	489867	5357535	5.95	400	NA	NA	NA	NA	NA	22.23	5.53	0.0263	0.0081	0.0009	0.00008	0.007	1.39E-05	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223	LLGO to CRS	LLGO CRS	LLGO CRS1	VOLUME	488404	5356936	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.003	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224	LLGO to CRS	LLGO CRS	LLGO CRS2	VOLUME	488451	5356955	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.003	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225	LLGO to CRS	LLGO CRS	LLGO CRS3	VOLUME	488498	5356974	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.003	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226	LLGO to CRS	LLGO CRS	LLGO CRS4	VOLUME	488546	5356993	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.003	5.09E-06	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227	LLGO to CRS	LLGO CRS	LLGO CRS5	VOLUME	488593	5357012	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228	LLGO to CRS	LLGO CRS	LLGO CRS6	VOLUME	488640	5357030	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229	LLGO to CRS	LLGO CRS	LLGO CRS7	VOLUME	488687	5357049	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230	LLGO to CRS	LLGO CRS	LLGO CRS8	VOLUME	488735	5357068	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231	LLGO to CRS	LLGO CRS	LLGO CRS9	VOLUME	488782	5357087	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232	LLGO to CRS	LLGO CRS	LLGO CRS10	VOLUME	488829	5357106	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233	LLGO to CRS	LLGO CRS	LLGO CRS11	VOLUME	488877	5357124	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234	LLGO to CRS	LLGO CRS	LLGO CRS12	VOLUME	488925	5357141	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235	LLGO to CRS	LLGO CRS	LLGO CRS13	VOLUME	488974	5357155	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236	LLGO to CRS	LLGO CRS	LLGO CRS14	VOLUME	489022	5357170	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237	LLGO to CRS	LLGO CRS	LLGO CRS15	VOLUME	489071	5357184	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238	LLGO to CRS	LLGO CRS	LLGO CRS16	VOLUME	489120	5357199	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239	LLGO to CRS	LLGO CRS	LLGO CRS17	VOLUME	489169	5357214	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240	LLGO to CRS	LLGO CRS	LLGO CRS18	VOLUME	489218	5357228	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241	LLGO to CRS	LLGO CRS	LLGO CRS19	VOLUME	489266	5357243	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
242	LLGO to CRS	LLGO CRS	LLGO CRS20	VOLUME	489315	5357257	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
243	LLGO to CRS	LLGO CRS	LLGO CRS21	VOLUME	489364	5357273	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
244	LLGO to CRS	LLGO CRS	LLGO CRS22	VOLUME	489412	5357288	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
245	LLGO to CRS	LLGO CRS	LLGO CRS23	VOLUME	489460	5357304	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
246	LLGO to CRS	LLGO CRS	LLGO CRS24	VOLUME	489509	5357320	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
247	LLGO to CRS	LLGO CRS	LLGO CRS25	VOLUME	489557	5357336	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
248	LLGO to CRS	LLGO CRS	LLGO CRS26	VOLUME	489603	5357357	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
249	LLGO to CRS	LLGO CRS	LLGO CRS27	VOLUME	489650	5357379	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
250	LLGO to CRS	LLGO CRS	LLGO CRS28	VOLUME	489696	5357400	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
251	LLGO to CRS	LLGO CRS	LLGO CRS29	VOLUME	489742	5357421	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
252	LLGO to CRS	LLGO CRS	LLGO CRS30	VOLUME	489789	5357442	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
253	LLGO to CRS	LLGO CRS	LLGO CRS31	VOLUME	489835	5357463	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
254	LLGO to CRS	LLGO CRS	LLGO CRS32	VOLUME	489874	5357440	5.95	400	NA	NA	NA	NA	NA	23.68	5.53	0.0088	0.0027	0.0003	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
255	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT1	VOLUME	486279	5356166	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
256	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT2	VOLUME	486316	5356200	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
257	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT3	VOLUME	486353	5356234	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
258	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT4	VOLUME	486398	5356256	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
259	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT5	VOLUME	486445	5356273	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
260	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT6	VOLUME	486492	5356291	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
261	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT7	VOLUME	486540	5356308	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
262	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT8	VOLUME	486587	5356325	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
263	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT9	VOLUME	486635	5356341	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
264	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT10	VOLUME	486683	5356358	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
265	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT11	VOLUME	486728	5356380	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
266	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT12	VOLUME	486773	5356403	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
267	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT13	VOLUME	486818	5356425	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
268	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT14	VOLUME	486864	5356412	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
269	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT15	VOLUME	486910	5356391	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
270	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT16	VOLUME	486956	5356371	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
271	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT17	VOLUME	487002	5356350	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
272	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT18	VOLUME	487041	5356319	5.95	395	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
273	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT19	VOLUME	487072	5356279	5.95	397	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
274	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT20	VOLUME	487100	5356238	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
275	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT21	VOLUME	487131	5356198	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
276	LPIT (in pit) to LLGO	LPIT INPIT	LPIT INPIT22	VOLUME	487178	5356189	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.2899	0.1693	0.0192	0.00162	0.1414	2.72E-04	0.1414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
277	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO1	VOLUME	487263	5356237	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
278	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO2	VOLUME	487302	5356269	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
279	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO3	VOLUME	487341	5356301	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO4	VOLUME	487380	5356333	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
281	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO5	VOLUME	487420	5356364	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
282	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO6	VOLUME	487463	5356390	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
283	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO7	VOLUME	487506	5356416	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
284	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO8	VOLUME	487549	5356442	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
285	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO9	VOLUME	487592	5356468	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
286	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO10	VOLUME	487635	5356494	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
287	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO11	VOLUME	487679	5356521	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
288	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO12	VOLUME	487722	5356547	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
289	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO13	VOLUME	487765	5356573	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
290	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO14	VOLUME	487809	5356598	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
291	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO15	VOLUME	487852	5356623	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
292	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO16	VOLUME	487896	5356648	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
293	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO17	VOLUME	487940	5356674	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
294	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO18	VOLUME	487983	5356699	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO19	VOLUME	488027	5356724	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
296	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO20	VOLUME	488070	5356750	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
297	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO21	VOLUME	488113	5356776	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
298	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO22	VOLUME	488157	5356802	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
299	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO23	VOLUME	488200	5356827	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO24	VOLUME	488243	5356854	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
301	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO25	VOLUME	488286	5356881	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
302	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO26	VOLUME	488333	5356893	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
303	LPIT (entrance) to L	LPIT LLGO	LPIT LLGO27	VOLUME	488383	5356896	5.95	400	NA	NA	NA	NA	NA	23.46	5.53	0.0131	0.0041	0.0005	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
304	LPIT (entrance) to L	LPIT LOVB	LPIT LOVB1	VOLUME	487179	5356134	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
305	LPIT (entrance) to L	LPIT LOVB	LPIT LOVB2	VOLUME	487147	5356094	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

306	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB3	VOLUME	487115	5356054	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
307	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB4	VOLUME	487084	5356014	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
308	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB5	VOLUME	487058	5355970	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
309	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB6	VOLUME	487031	5355926	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
310	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB7	VOLUME	486994	5355892	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
311	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB8	VOLUME	486956	5355857	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
312	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB9	VOLUME	486919	5355823	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
313	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB10	VOLUME	486881	5355788	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
314	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB11	VOLUME	486842	5355756	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB12	VOLUME	486803	5355723	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
316	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB13	VOLUME	486763	5355691	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
317	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB14	VOLUME	486724	5355658	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
318	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB15	VOLUME	486683	5355629	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
319	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB16	VOLUME	486635	5355609	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
320	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB17	VOLUME	486588	5355590	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
321	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB18	VOLUME	486540	5355572	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
322	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB19	VOLUME	486490	5355568	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
323	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB20	VOLUME	486439	5355563	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
324	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB21	VOLUME	486388	5355562	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
325	LPIT (entrance) to L	LPIT_LOVB	LPIT_LOVB22	VOLUME	486337	5355562	5.95	400	NA	NA	NA	NA	NA	23.75	5.53	0.0107	0.0033	0.0004	0.00003	0.0026	5.09E-06	0.0026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
326	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS1	VOLUME	487240	5356180	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
327	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS2	VOLUME	487283	5356205	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
328	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS3	VOLUME	487331	5356220	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
329	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS4	VOLUME	487380	5356224	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
330	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS5	VOLUME	487430	5356227	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
331	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS6	VOLUME	487480	5356231	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
332	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS7	VOLUME	487529	5356228	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
333	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS8	VOLUME	487579	5356224	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
334	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS9	VOLUME	487629	5356221	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
335	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS10	VOLUME	487678	5356215	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
336	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS11	VOLUME	487727	5356208	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
337	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS12	VOLUME	487777	5356202	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
338	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS13	VOLUME	487826	5356199	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
339	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS14	VOLUME	487876	5356196	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
340	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS15	VOLUME	487924	5356186	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
341	LPIT (entrance) to L	LPIT_LWRS	LPIT_LWRS16	VOLUME	487970	5356166	5.95	400	NA	NA	NA	NA	NA	23.16	5.53	0.5412	0.1667	0.0180	0.00150	0.1303	2.50E-04	0.1303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
342	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO1	VOLUME	491723	5359329	5.95	390	NA	NA	NA	NA	NA	23.4	5.53	0.0233	0.0072	0.0008	0.00009	0.0076	1.46E-05	0.0076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
343	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO2	VOLUME	491701	5359284	5.95	390	NA	NA	NA	NA	NA	23.4	5.53	0.0233	0.0072	0.0008	0.00009	0.0076	1.46E-05	0.0076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
344	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO3	VOLUME	491678	5359239	5.95	390	NA	NA	NA	NA	NA	23.4	5.53	0.0233	0.0072	0.0008	0.00009	0.0076	1.46E-05	0.0076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
345	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO4	VOLUME	491649	5359198	5.95	393	NA	NA	NA	NA	NA	23.4	5.53	0.0233	0.0072	0.0008	0.00009	0.0076	1.46E-05	0.0076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
346	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO5	VOLUME	491618	5359158	5.95	396	NA	NA	NA	NA	NA	23.4	5.53	0.0233	0.0072	0.0008	0.00009	0.0076	1.46E-05	0.0076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
347	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO6	VOLUME	491585	5359120	5.95	398	NA	NA	NA	NA	NA	23.4	5.53	0.0233	0.0072	0.0008	0.00009	0.0076	1.46E-05	0.0076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
348	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO7	VOLUME	491553	5359082	5.95	400	NA	NA	NA	NA	NA	23.4	5.53	0.0233	0.0072	0.0008	0.00009	0.0076	1.46E-05	0.0076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
349	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO8	VOLUME	491514	5359050	5.95	400	NA	NA	NA	NA	NA	23.4	5.53	0.0233	0.0072	0.0008	0.00009	0.0076	1.46E-05	0.0076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350	MOVB to BMLGO +	MOVB_BMLGO	MOVB_BMLGO9	VOLUME	491474	5359019	5.95	400	NA	NA	NA	NA	NA	23.4	5.53	0.0233	0.0072	0.0008	0.00009	0.0076	1.46E-05	0.0076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
351	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT1	VOLUME	492512	5360021	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
352	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT2	VOLUME	492550	5360055	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
353	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT3	VOLUME	492588	5360089	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
354	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT4	VOLUME	492626	5360123	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
355	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT5	VOLUME	492664	5360157	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
356	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT6	VOLUME	492701	5360191	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
357	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT7	VOLUME	492738	5360226	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
358	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT8	VOLUME	492775	5360261	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
359	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT9	VOLUME	492814	5360294	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
360	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT10	VOLUME	492855	5360324	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
361	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT11	VOLUME	492896	5360354	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT12	VOLUME	492931	5360390	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
363	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT13	VOLUME	492957	5360434	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
364	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT14	VOLUME	492968	5360483	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
365	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT15	VOLUME	492972	5360534	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
366	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT16	VOLUME	492972	5360584	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
367	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT17	VOLUME	492946	5360627	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
368	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT18	VOLUME	492917	5360668	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
369	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT19	VOLUME	492876	5360699	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
370	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT20	VOLUME	492833	5360725	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
371	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT21	VOLUME	492783	5360731	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
372	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT22	VOLUME	492733	5360737	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
373	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT23	VOLUME	492687	5360720	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
374	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT24	VOLUME	492644	5360693	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
375	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT25	VOLUME	492602	5360664	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
376	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT26	VOLUME	492565	5360630	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
377	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT27	VOLUME	492527	5360596	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
378	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT28	VOLUME	492489	5360562	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
379	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT29	VOLUME	492451	5360529	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
380	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT30	VOLUME	492411	5360497	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
381	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT31	VOLUME	492371	5360465	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
382	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT32	VOLUME	492331	5360433	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
383	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT33	VOLUME	492293	5360400	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
384	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT34	VOLUME	492254	5360367	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
385	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT35	VOLUME	492216	5360334	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
386	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT36	VOLUME	492174	5360306	5.95	385	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
387	MPIT (in pit) to CRS	MPIT_INPIT	MPIT_INPIT37	VOLUME	492126	5360288	5.95	389	NA	NA	NA	NA	NA	23.65	5.53	0.2233	0.1304	0.0147	0.00119	0.1040	2.00E-04	0.1040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
388	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB1	VOLUME	492028	5360162	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
389	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB2	VOLUME	492016	5360114	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
390	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB3	VOLUME	492002	5360066	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
391	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB4	VOLUME	491991	5360018	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
392	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB5	VOLUME	491987	5359968	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
393	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB6	VOLUME	491976	5359920	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
394	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB7	VOLUME	491958	5359873	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
395	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB8	VOLUME	491940	5359827	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
396	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB9	VOLUME	491922	5359780	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
397	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB10	VOLUME	491904	5359733	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
398	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB11	VOLUME	491886	5359687	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
399	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB12	VOLUME	491868	5359640	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB13	VOLUME	491846	5359595	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
401	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB14	VOLUME	491824	5359550	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
402	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB15	VOLUME	491801	5359506	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
403	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB16	VOLUME	491779	5359461	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
404	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB17	VOLUME	491754	5359418	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
405	MPIT (entrance) to	MPIT_MOVB	MPIT_MOVB18	VOLUME	491728	5359375	5.95	390	NA	NA	NA	NA	NA	23.25	5.53	0.0358	0.0110	0.0012	0.00012	0.0103	1.98E-05	0.0103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
406	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS1	VOLUME	492055	5360238	5.95	391	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
407	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS2	VOLUME	492007	5360229	5.95	395	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
408	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS3	VOLUME	491958	5360234	5.95	398	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
409	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS4	VOLUME	491909	5360240	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
410	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS5	VOLUME	491864	5360259	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
411	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS6	VOLUME	491818	5360278	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
412	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS7	VOLUME	491771	5360293	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
413	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS8	VOLUME	491724	5360307	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
414	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS9	VOLUME	491676	5360320	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
415	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS10	VOLUME	491629	5360333	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
416	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS11	VOLUME	491586	5360355	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
417	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS12	VOLUME	491552	5360389	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
418	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS13	VOLUME	491540	5360436	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
419	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS14	VOLUME	491538	5360484	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
420	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS15	VOLUME	491552	5360531	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
421	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS16	VOLUME	491571	5360575	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
422	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS17	VOLUME	491604	5360612	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
423	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS18	VOLUME	491637	5360649	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
424	MPIT (entrance) to	MPIT_MWRS	MPIT_MWRS19	VOLUME	491670	5360686	5.95	400	NA	NA	NA	NA	NA	22.93	5.53	0.3891	0.1198	0.0129	0.00103	0.0890	1.71E-04	0.0890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
425	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO1	VOLUME	491445	5358946	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
426	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO2	VOLUME	491412	5358908	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
427	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO3	VOLUME	491378	5358870	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
428	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO4	VOLUME	491345	5358832	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
429	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO5	VOLUME	491312	5358794	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
430	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO6	VOLUME	491279	5358756	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
431	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO7	VOLUME	491241	5358722	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
432	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO8	VOLUME	491204	5358688	5.95	400	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
433	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO9	VOLUME	491162	5358661	5.95	401	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
434	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO10	VOLUME	491119	5358634	5.95	401	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
435	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO11	VOLUME	491076	5358607	5.95	402	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
436	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO12	VOLUME	491033	5358581	5.95	402	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
437	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO13	VOLUME	490990	5358555	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
438	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO14	VOLUME	490946	5358529	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
439	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO15	VOLUME	490903	5358503	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
440	BMLGO to HGO + C	MOVB_HGO	MOVB_HGO16	VOLUME	490860	5358477	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

441	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO17	VOLUME	490817	5358451	5.95	403	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
442	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO18	VOLUME	490773	5358425	5.95	404	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
443	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO19	VOLUME	490730	5358399	5.95	404	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
444	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO20	VOLUME	490687	5358373	5.95	404	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
445	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO21	VOLUME	490644	5358346	5.95	405	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
446	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO22	VOLUME	490601	5358320	5.95	405	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
447	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO23	VOLUME	490558	5358293	5.95	405	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
448	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO24	VOLUME	490515	5358267	5.95	406	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
449	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO25	VOLUME	490472	5358240	5.95	406	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
450	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO26	VOLUME	490429	5358214	5.95	406	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
451	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO27	VOLUME	490386	5358188	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
452	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO28	VOLUME	490343	5358162	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
453	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO29	VOLUME	490300	5358136	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
454	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO30	VOLUME	490256	5358109	5.95	407	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
455	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO31	VOLUME	490213	5358083	5.95	408	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
456	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO32	VOLUME	490170	5358057	5.95	408	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
457	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO33	VOLUME	490128	5358029	5.95	409	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
458	BMLGO to HGO + Cl	MOVB_HGO	MOVB_HGO34	VOLUME	490085	5358002	5.95	410	NA	NA	NA	NA	NA	23.48	5.53	0.0163	0.0050	0.0006	0.00006	0.0053	1.01E-05	0.0053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
459	Berry - waste rock	Berry - waste rock st	BWRS	POLYAREA	See Lakes Worksheet		5.00	410	NA	NA	NA	NA	1452510	NA	10.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	2.45E-12	4.51E-14	3.35E-11	4.83E-12	3.22E-14	3.48E-12	3.29E-11	1.61E-11	1.68E-11	1.22E-13	0	3.03E-12	7.74E-12	1.29E-12	4.51E-13	7.61E-12	1.19E-12
460	Marathon - waste r	Marathon - waste r	MWRCK	POLYAREA	See Lakes Worksheet		4.00	390	NA	NA	NA	NA	820570	NA	8.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	2.58E-11	3.87E-13	9.02E-12	1.78E-11	1.50E-11	1.41E-11	1.16E-13	6.45E-12	2.58E-11	3.87E-11	5.16E-11	3.87E-11	7.78E-11	1.29E-11
461	Marathon - waste r	Marathon - waste r	MWRS2	POLYAREA	See Lakes Worksheet		4.00	390	NA	NA	NA	NA	243450	NA	8.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	2.58E-11	3.87E-13	9.02E-12	1.78E-11	1.50E-11	1.41E-11	1.16E-13	6.45E-12	2.58E-11	3.87E-11	5.16E-11	3.87E-11	7.78E-11	1.29E-11
462	Marathon - low gra	Marathon - low gra	MLGO	POLYAREA	See Lakes Worksheet		6.25	390	NA	NA	NA	NA	127070	NA	12.50	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	2.58E-11	3.87E-13	9.02E-12	1.78E-11	1.50E-11	1.41E-11	1.16E-13	6.45E-12	2.58E-11	3.87E-11	5.16E-11	3.87E-11	7.78E-11	1.29E-11
463	Leprechaun - waste	Leprechaun - waste	LWRCK	POLYAREA	See Lakes Worksheet		7.50	400	NA	NA	NA	NA	674325	NA	15.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	5.16E-11	3.87E-13	1.29E-11	4.51E-11	5.17E-11	7.78E-11	1.68E-13	1.29E-11	2.58E-11	1.29E-11	3.87E-11	3.87E-11	4.77E-11	1.29E-11
464	Leprechaun - low gr	Leprechaun - low gr	LLGO	POLYAREA	See Lakes Worksheet		6.30	400	NA	NA	NA	NA	60472	NA	12.50	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	5.16E-11	3.87E-13	1.29E-11	4.51E-11	5.17E-11	7.78E-11	1.68E-13	1.29E-11	2.58E-11	1.29E-11	3.87E-11	3.87E-11	4.77E-11	1.29E-11
465	Leprechaun - high g	Leprechaun/Berry -	HGO	POLYAREA	See Lakes Worksheet		10.00	410	NA	NA	NA	NA	54070	NA	20.00	1.29E-06	6.45E-07	2.58E-07	0	0	0	0	0	0	1.29E-11	1.16E-12	1.29E-10	5.16E-11	3.87E-13	1.29E-11	4.51E-11	5.17E-11	7.78E-11	1.68E-13	1.29E-11	2.58E-11	1.29E-11	3.87E-11	3.87E-11	4.77E-11	1.29E-11
466	TMF	Tailings Manageme	TMF_BCH	POLYAREA	See Lakes Worksheet		1.50	400	NA	NA	NA	NA	220431	NA	3.00	6.19E-03	3.09E-03	4.64E-04	0	0	0	0	0	0	7.81E-08	5.28E-09	1.10E-06	1.13E-07	1.34E-09	1.41E-07	2.76E-07	4.34E-07	3.10E-07	9.81E-10	3.39E-08	8.07E-08	8.46E-08	1.36E-07	1.55E-07	6.96E-07	5.49E-08
	TOTAL Emission Rate (g/s)															***1,397.4***	***698.0***	***106.27***	***0.13***	***17.5***	***0.9***	***41.7***	***1.49***	***0.07***	***1.73E-02***	***1.17E-03***	***2.43E-01***	***2.51E-02***	***3.15E-04***	***3.12E-02***	***6.10E-02***	***9.59E-02***	***6.86E-02***	***2.18E-04***	***7.59E-03***	***1.80E-02***	***1.89E-02***	***3.02E-02***	***3.45E-02***	***1.54E-01***	***1.22E-02***

Crushing and Screening Emissions

Releases of dust and trace metals (contained in the dust) are expected from crushing and screening activities.

Releases are estimated based on operating information provided by Marathon Gold and published emission factors from the US EPA (AP-42 Chapter 11.19.2 - Crushed Stone Processing and Pulverized Mineral Processing - US EPA 2004) as well as from the Australian National Pollutant Inventory document "Emission estimation technique manual for Gold Ore Processing", Version 2.0 (AUS NPI 2006). PM2.5 emissions are estimated based on emission factors for high moisture ore (>= 4%) in Table 2.3 of the Nevada DEP Guidance on Emission Factors for the Mining Industry.

Trace metals are estimated using the total particulate matter estimates and the combined ore specs.

Crushing and screening emissions are estimated based on Y6 operating year information.

Releases are assumed to occur continuously for the dispersion modelling.

Material Processed	11,000	t/d	screening and primary crushing
	4,000,000	t/a	
Pebble Crusher processing rate	2,500	t/d	
	909,091	t/a	
Operating Schedule	18	hr/d	(Typical primary crusher operation)
	22	hr/d	(Typical pebble crusher operation)

Source	Air Contaminant	EF (kg/Mg)	Source
Primary Crusher	TSP	0.01	AUS NPI 2006
	PM10	0.004	AUS NPI 2006
	PM2.5	0.00061	Nevada DEP 2017
Grizzly Screen	TSP	0.0125	US EPA AP-42 Ch 11.19.2
	PM10	0.0043	US EPA AP-42 Ch 11.19.2
	PM2.5	0.00065	Nevada DEP 2017

Emissions factors for high moisture content ore (>4%), MC for Marathon 5%

Release Estimates

		Max Hourly			Max Daily/Annual			Annual Emissions			
Air Contaminant	CAS#	Emission Rate (g/s)			Emission Rate (g/s)			Emission Rate (t/a)			
		Primary Crushing	Pebble Crusher	Screening	Primary Crushing	Pebble Crusher	Screening	Primary Crushing	Pebble Crusher	Screening	Total
TSP	N/A-1	1.70	0.32	2.12	1.27	0.29	1.59	40.0	9.09	50.0	99.1
PM10	N/A-2	0.68	0.13	0.73	0.51	0.12	0.55	16.0	3.64	17.2	36.8
PM2.5	N/A-3	0.10	0.019	0.11	0.077	0.018	0.083	2.42	0.55	2.60	5.58
As	7440-38-2	1.24E-05	2.30E-06	1.55E-05	9.29E-06	2.11E-06	1.16E-05	2.92E-04	6.64E-05	3.65E-04	7.23E-04
Cd	7440-43-9	1.04E-06	1.93E-07	1.30E-06	7.79E-07	1.77E-07	9.73E-07	2.45E-05	5.56E-06	3.06E-05	6.06E-05
Cu	7440-50-8	1.28E-04	2.38E-05	1.60E-04	9.59E-05	2.18E-05	1.20E-04	3.01E-03	6.85E-04	3.77E-03	7.46E-03
Pb	7439-92-1	3.61E-05	6.71E-06	4.51E-05	2.71E-05	6.15E-06	3.38E-05	8.50E-04	1.93E-04	1.06E-03	2.11E-03
Hg	7439-97-6	3.54E-07	6.58E-08	4.42E-07	2.65E-07	6.03E-08	3.32E-07	8.33E-06	1.89E-06	1.04E-05	2.06E-05
Ni	7440-02-0	1.11E-05	2.07E-06	1.39E-05	8.36E-06	1.90E-06	1.05E-05	2.63E-04	5.97E-05	3.28E-04	6.51E-04
Zn	7440-66-6	4.20E-05	7.82E-06	5.26E-05	3.15E-05	7.17E-06	3.94E-05	9.91E-04	2.25E-04	1.24E-03	2.45E-03
Ba	7440-39-3	3.64E-05	6.77E-06	4.55E-05	2.73E-05	6.20E-06	3.41E-05	8.57E-04	1.95E-04	1.07E-03	2.12E-03
Sr	7440-24-6	4.77E-05	8.87E-06	5.96E-05	3.58E-05	8.13E-06	4.47E-05	1.12E-03	2.55E-04	1.41E-03	2.78E-03
Be	7440-41-7	1.78E-07	3.31E-08	2.23E-07	1.34E-07	3.04E-08	1.67E-07	4.20E-06	9.55E-07	5.25E-06	1.04E-05
Cobalt	7440-48-4	1.58E-05	2.94E-06	1.97E-05	1.18E-05	2.69E-06	1.48E-05	3.72E-04	8.45E-05	4.65E-04	9.22E-04
Li	7439-93-2	2.40E-05	4.46E-06	3.00E-05	1.80E-05	4.08E-06	2.25E-05	5.65E-04	1.28E-04	7.06E-04	1.40E-03
Sb	7440-36-0	2.60E-05	4.84E-06	3.25E-05	1.95E-05	4.44E-06	2.44E-05	6.13E-04	1.39E-04	7.67E-04	1.52E-03
Sn	7440-31-5	4.02E-05	7.47E-06	5.02E-05	3.01E-05	6.85E-06	3.77E-05	9.47E-04	2.15E-04	1.18E-03	2.35E-03
Se	7782-49-2	3.41E-05	6.35E-06	4.27E-05	2.56E-05	5.82E-06	3.20E-05	8.05E-04	1.83E-04	1.01E-03	1.99E-03
Cr	7440-47-3	5.84E-05	1.09E-05	7.30E-05	4.38E-05	9.96E-06	5.48E-05	1.38E-03	3.13E-04	1.72E-03	3.41E-03
Bi	7440-69-9	1.18E-05	2.20E-06	1.48E-05	8.88E-06	2.02E-06	1.11E-05	2.79E-04	6.34E-05	3.49E-04	6.91E-04

Blasting Emissions

Air contaminant releases from blasting are estimated based on information provided by Marathon Gold and published emission factors (from the US EPA AP-42 Chapter 13.3 Explosives Detonation and ECCC NPRI guidance document *Pits and Quarries Reporting Guide*)

Trace metal fugitives are estimated based on the TSP release estimates and the ore specifications.

Since a portion of the PM (TSP, PM10, PM2.5 and trace metals within the PM) will not leave the pit (due to settling) retention factors are applied to sources below the surface within the pit.
The retention factors applied are from the Australian National Pollutant Release Inventory Emission Estimation Technique Manual for Mining - Wings equation 1981 based on 50 m pit depth.

Ammonium Nitrate Emulsion - Fortis Extra explosive is used, therefore, AP-42 emission factors for ammonium nitrate with fuel oil (ANFO) are used.
It is assumed that blasting is split evenly between in the three pits - Marathon, Leprechaun and Berry.
Blasting is only to occur during daytime hours and for the purpose of modelling the blasting is assumed to occur at 3 pm each day. For the purpose of estimating short-term emissions, it is assumed blasting occurs over a 1-min period.

Blasting occurs at each pit once every third day, on alternate days, so a single blast occurs once per day.
Releases are modelled as volume sources, with variable releases considered using scaling emission factors in the model control file.

Emission Factors

Contaminant	*EF*	*Units*	*Source*
NOx	8	kg/Mg	US EPA AP-42 Ch 13.3
CO	34	kg/Mg	US EPA AP-42 Ch 13.3
SO2	1	kg/Mg	US EPA AP-42 Ch 13.3
PM	23.06	kg/Blast	ECCC NPRI Pits and Quarries Guide
PM10	0.52	scale factor (fraction of total PM)	US EPA AP-42 Ch 13.3
PM2.5	0.3	scale factor (fraction of total PM)	US EPA AP-42 Ch 13.3

Assumed Blast Schedule - for Model

Pit	*Sun*	*Mon*	*Tue*	*Wed*	*Thurs*	*Fri*	*Sat*
Berry Pit	1			1			1
Marathon Pit		1			1		
Leprechaun Pit			1			1	

Total 364

Assumed and provided blasting Information from Marathon Gold (based on Y3 of operation)

Total Explosives	17,500	t/a
Blasts per year	345	
Blasts per pit	115	
Explosives per blast	51.0	t
Assumed Blast Duration	1	min

Particulate Matter Pit Retention Factors

TSP	0.5
PM10	0.05
PM2.5	0.005

Release Estimates

HourlyMarathon Pit HourlyLeprechaun Pit HourlyBerry Pit DailyMarathon Pit DailyLeprechaun Pit DailyBerry Pit AnnualMarathon Pit AnnualLeprechaun Pit AnnualBerry Pit

Air Contaminant	CAS#	Release per blast (kg)			Emission Rate (g/s)									Total Annual Emissions
					Hourly			Daily			Annual			
		Marathon Pit	Leprechaun Pit	Berry Pit	Marathon Pit	Leprechaun Pit	Berry Pit	Marathon Pit	Leprechaun Pit	Berry Pit	Marathon Pit	Leprechaun Pit	Berry Pit	(t/a)
NOX	10102-44-0	408	408	408	113	113	113	4.72	4.72	4.72	2.22	2.22	2.22	141
CO	630-08-0	1,734	1,734	1,734	482	482	482	20.1	20.1	20.1	9.43	9.43	9.43	598
SO2	7446-09-5	51.0	51.0	51.0	14.2	14.2	14.2	0.590	0.590	0.590	0.277	0.277	0.277	17.6
TSP	N/A-1	11.53	11.53	11.53	3.20	3.20	3.20	0.133	0.133	0.133	0.084	0.084	0.084	3.98
PM10	N/A-2	11.53	11.53	11.53	3.20	3.20	3.20	0.133	0.133	0.133	0.084	0.084	0.084	3.98
PM2.5	N/A-3	11.53	11.53	11.53	3.20	3.20	3.20	0.133	0.133	0.133	0.084	0.084	0.084	3.98
As	7440-38-2	1.15E-04	1.15E-04	2.19E-05	3.20E-05	3.20E-05	6.09E-06	1.33E-06	1.33E-06	2.54E-07	8.41E-07	8.41E-07	1.60E-07	2.9E-05
Cd	7440-43-9	1.04E-05	1.04E-05	4.04E-07	2.88E-06	2.88E-06	1.12E-07	1.20E-07	1.20E-07	4.67E-09	7.57E-08	7.57E-08	2.94E-09	2.4E-06
Cu	7440-50-8	1.15E-03	1.15E-03	3.00E-04	3.20E-04	3.20E-04	8.33E-05	1.33E-05	1.33E-05	3.47E-06	8.41E-06	8.41E-06	2.19E-06	3.0E-04
Pb	7439-92-1	2.31E-04	4.61E-04	4.32E-05	6.41E-05	1.28E-04	1.20E-05	2.67E-06	5.34E-06	5.00E-07	1.68E-06	3.36E-06	3.15E-07	8.5E-05
Hg	7439-97-6	3.46E-06	3.46E-06	2.88E-07	9.61E-07	9.61E-07	8.01E-08	4.00E-08	4.00E-08	3.34E-09	2.52E-08	2.52E-08	2.10E-09	8.3E-07
Ni	7440-02-0	8.07E-05	1.15E-04	3.11E-05	2.24E-05	3.20E-05	8.65E-06	9.34E-07	1.33E-06	3.60E-07	5.89E-07	8.41E-07	2.27E-07	2.6E-05
Zn	7440-66-6	1.59E-04	4.04E-04	2.94E-04	4.42E-05	1.12E-04	8.17E-05	1.84E-06	4.67E-06	3.40E-06	1.16E-06	2.94E-06	2.14E-06	9.9E-05
Ba	7440-39-3	1.35E-04	4.63E-04	1.44E-04	3.74E-05	1.29E-04	4.00E-05	1.56E-06	5.36E-06	1.67E-06	9.81E-07	3.38E-06	1.05E-06	8.5E-05
Sr	7440-24-6	1.26E-04	6.96E-04	1.50E-04	3.50E-05	1.93E-04	4.16E-05	1.46E-06	8.06E-06	1.73E-06	9.19E-07	5.08E-06	1.09E-06	1.1E-04
Be	7440-41-7	1.04E-06	1.50E-06	1.10E-06	2.88E-07	4.16E-07	3.04E-07	1.20E-08	1.73E-08	1.27E-08	7.57E-09	1.09E-08	7.99E-09	4.2E-07
Cobalt	7440-48-4	5.77E-05	1.15E-04	1.49E-04	1.60E-05	3.20E-05	4.13E-05	6.67E-07	1.33E-06	1.72E-06	4.20E-07	8.41E-07	1.08E-06	3.7E-05
Li	7439-93-2	2.31E-04	2.31E-04	2.71E-05	6.41E-05	6.41E-05	7.53E-06	2.67E-06	2.67E-06	3.14E-07	1.68E-06	1.68E-06	1.98E-07	5.6E-05
Sb	7440-36-0	3.46E-04	1.15E-04	6.92E-05	9.61E-05	3.20E-05	1.92E-05	4.00E-06	1.33E-06	8.01E-07	2.52E-06	8.41E-07	5.05E-07	6.1E-05
Sn	7440-31-5	4.61E-04	3.46E-04	1.15E-05	1.28E-04	9.61E-05	3.20E-06	5.34E-06	4.00E-06	1.33E-07	3.36E-06	2.52E-06	8.41E-08	9.4E-05
Se	7782-49-2	3.46E-04	3.46E-04	4.04E-06	9.61E-05	9.61E-05	1.12E-06	4.00E-06	4.00E-06	4.67E-08	2.52E-06	2.52E-06	2.94E-08	8.0E-05
Cr	7440-47-3	6.96E-04	4.27E-04	6.80E-05	1.93E-04	1.19E-04	1.89E-05	8.05E-06	4.94E-06	7.87E-07	5.07E-06	3.11E-06	4.96E-07	1.4E-04
Bi	7440-69-9	1.15E-04	1.15E-04	1.07E-05	3.20E-05	3.20E-05	2.96E-06	1.33E-06	1.33E-06	1.23E-07	8.41E-07	8.41E-07	7.78E-08	2.8E-05

Transfer Points - Fugitive Dust Emissions Estimates

Fugitive dust releases generated from material transfer (at drop points from conveyors) are estimated based on information provided by Marathon Gold and published emission factors from the US EPA AP-42 Chapter 13.2.4 Aggregate Handling and Storage Piles.

Trace metal fugitives are estimated based on the TSP release estimates and the individual ore specs (for individual wasterock and ore storage piles) or combined ore specification (from the three pits for the conveyor drop points).

CALMET predicted meteorological data for the Project site (wind speeds) are used to estimate the releases.

Releases are assumed to occur continuously for the dispersion modelling.

Emission Factor Calculations

Average Wind Speed	5.04 m/s	CALMET predicted average wind speed at project site (2017-2019), at surface level (Level01 - 10 m)
Ore Moisture Content	5%	Ore Moisture content from information provided by Marathon Gold (see *Grinding Mill* worksheet)

Particle Size Multiplier, k

TSP	0.74
PM10	0.35
PM2.5	0.053

Contaminant	Emission Factor (kg/Mg)
TSP	9.66E-04
PM10	4.57E-04
PM2.5	6.92E-05

From US EPA AP-42 Ch 13.2.4

The quantity of particulate emissions generated by either type of drop operation, per kilogram (kg) (ton) of material transferred, may be estimated, with a rating of A, using the following empirical expression:[1]

$$E = k(0.0016)\ \frac{\left(\frac{U}{2.2}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}}\ \text{(kg/megagram [Mg])} \qquad (1)$$

$$E = k(0.0032)\ \frac{\left(\frac{U}{5}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}}\ \text{(pound [lb]/ton)}$$

where:

E = emission factor
k = particle size multiplier (dimensionless)
U = mean wind speed, meters per second (m/s) (miles per hour [mph])
M = material moisture content (%)

The particle size multiplier in the equation, k, varies with aerodynamic particle size range, as follows:

Aerodynamic Particle Size Multiplier (k) For Equation 1				
< 30 μm	< 15 μm	< 10 μm	< 5 μm	< 2.5 μm
0.74	0.48	0.35	0.20	0.053[a]

[a] Multiplier for < 2.5 μm taken from Reference 14.

Emissions Estimates

Conveying drop points

Ore Handling Equipment	Transfer/drop Rate (t/d)	Max Operating Hours per day	Typical Operating Hours per day	Comments
Primary crusher discharge conveyor	11,000	24	18	
Crushed ore stockpile feed conveyor	11,000	24	18	
SAG mill feed conveyor	11,000	24	22	drop point inside, conveyors covered and under vacuum
Pebble crusher conveyor 1	2,500	24	22	
Pebble crusher conveyor 2	2,500	24	22	
Pebble crusher conveyor 3	2,500	24	22	
Crushed ore stockpile discharge apron feeder 1	11,000	24	22	
Crushed ore stockpile discharge apron feeder 2	11,000	24	22	
Intensive leaching feed hopper	5.5	8	4	wet/slurry - emissions assumed neg.

Loading and Unloading drop points - Stockpiles

Storage Pile	Add Rate	Remove Rate	Total
	kt/a	kt/a	t/d
Marathon - waste rock	17,850	0	48,904
Marathon - low grade stockpile	1,031	0	2,825
Leprechaun - waste rock	25,560	0	70,027
Leprechaun - low grade stock pile	172	0	471
Leprechaun - high grade stockpile	0	485	1,329
Berry - waste rock	18,940	0	51,890

Air Contaminant	CAS#	Emission Rate (g/s)																		
		Conveyor Drop Points									Stockpile Loading and Unloading Drop Points									
		Primary crusher discharge conveyor	Crushed ore stockpile feed conveyor	SAG mill feed conveyor	Pebble crusher conveyor 1	Pebble crusher conveyor 2	Pebble crusher conveyor 3	Crushed ore stockpile discharge apron feeder 1	Crushed ore stockpile discharge apron feeder 2	Intensive leaching feed hopper	Marathon - waste rock	Marathon - low grade stockpile	Leprechaun - waste rock	Leprechaun - low grade stock pile	Leprechaun - high grade stockpile	Berry - waste rock	Conveyor Drop Points (T/a)	Stockpile Loading/ Unloading (T/a)	Total Annual Releases (T/a)
TSP	N/A-1	0.12	0.12	0	0.028	0.028	0.028	0.12	0.12	0	0.55	0.03	0.78	0.01	0.01	0.58	18.2	61.8	80.0
PM10	N/A-2	0.058	0.058	0	0.013	0.013	0.013	0.058	0.058	0	0.26	0.01	0.37	0.00	0.007	0.274	8.6	29.2	37.8
PM2.5	N/A-3	8.80E-03	8.80E-03	0	2.00E-03	2.00E-03	2.00E-03	8.80E-03	8.80E-03	0	0.039	0.002	0.056	0.000	1.06E-03	4.15E-02	1.30	4.43	5.73
As	7440-38-2	8.97E-07	8.97E-07	0	2.04E-07	2.04E-07	2.04E-07	8.97E-07	8.97E-07	0	5.47E-06	3.16E-07	7.83E-06	5.27E-08	1.49E-07	1.10E-06	1.33E-04	4.70E-04	6.03E-04
Cd	7440-43-9	7.52E-08	7.52E-08	0	1.71E-08	1.71E-08	1.71E-08	7.52E-08	7.52E-08	0	4.92E-07	2.84E-08	7.04E-07	4.74E-09	1.34E-08	2.03E-08	1.11E-05	3.98E-05	5.09E-05
Cu	7440-50-8	9.26E-06	9.26E-06	0	2.10E-06	2.10E-06	2.10E-06	9.26E-06	9.26E-06	0	5.47E-05	3.16E-06	7.83E-05	5.27E-07	1.49E-06	1.51E-05	1.37E-03	4.83E-03	6.20E-03
Pb	7439-92-1	2.61E-06	2.61E-06	0	5.94E-07	5.94E-07	5.94E-07	2.61E-06	2.61E-06	0	1.09E-05	6.31E-07	3.13E-05	2.11E-07	5.94E-07	2.17E-06	3.86E-04	1.45E-03	1.83E-03
Hg	7439-97-6	2.56E-08	2.56E-08	0	5.82E-09	5.82E-09	5.82E-09	2.56E-08	2.56E-08	0	1.64E-07	9.47E-09	2.35E-07	1.58E-09	4.46E-09	1.45E-08	3.78E-06	1.35E-05	1.73E-05
Ni	7440-02-0	8.07E-07	8.07E-07	0	1.83E-07	1.83E-07	1.83E-07	8.07E-07	8.07E-07	0	3.81E-06	2.21E-07	7.83E-06	5.27E-08	1.49E-07	1.57E-06	1.19E-04	4.30E-04	5.49E-04
Zn	7440-66-6	3.04E-06	3.04E-06	0	6.92E-07	6.92E-07	6.92E-07	3.04E-06	3.04E-06	0	7.54E-06	4.36E-07	2.74E-05	1.84E-07	5.20E-07	1.48E-05	4.50E-04	1.60E-03	2.05E-03
Ba	7440-39-3	2.64E-06	2.64E-06	0	5.99E-07	5.99E-07	5.99E-07	2.64E-06	2.64E-06	0	6.38E-06	3.68E-07	3.14E-05	2.11E-07	5.96E-07	7.25E-06	3.89E-04	1.46E-03	1.85E-03
Sr	7440-24-6	3.45E-06	3.45E-06	0	7.85E-07	7.85E-07	7.85E-07	3.45E-06	3.45E-06	0	5.97E-06	3.45E-07	4.73E-05	3.18E-07	8.97E-07	7.54E-06	5.10E-04	1.97E-03	2.48E-03
Be	7440-41-7	1.29E-08	1.29E-08	0	2.93E-09	2.93E-09	2.93E-09	1.29E-08	1.29E-08	0	4.92E-08	2.84E-09	1.02E-07	6.85E-10	1.93E-09	5.51E-08	1.91E-06	6.67E-06	8.58E-06
Cobalt	7440-48-4	1.14E-06	1.14E-06	0	2.60E-07	2.60E-07	2.60E-07	1.14E-06	1.14E-06	0	2.73E-06	1.58E-07	7.83E-06	5.27E-08	1.49E-07	7.48E-06	1.69E-04	5.80E-04	7.49E-04
Li	7439-93-2	1.74E-06	1.74E-06	0	3.94E-07	3.94E-07	3.94E-07	1.74E-06	1.74E-06	0	1.09E-05	6.31E-07	1.57E-05	1.05E-07	2.97E-07	1.36E-06	2.56E-04	9.14E-04	1.17E-03
Sb	7440-36-0	1.89E-06	1.89E-06	0	4.28E-07	4.28E-07	4.28E-07	1.89E-06	1.89E-06	0	1.64E-05	9.47E-07	7.83E-06	5.27E-08	1.49E-07	3.48E-06	2.78E-04	9.10E-04	1.19E-03
Sn	7440-31-5	2.91E-06	2.91E-06	0	6.61E-07	6.61E-07	6.61E-07	2.91E-06	2.91E-06	0	2.19E-05	1.26E-06	2.35E-05	1.58E-07	4.46E-07	5.80E-07	4.30E-04	1.51E-03	1.94E-03
Se	7782-49-2	2.47E-06	2.47E-06	0	5.62E-07	5.62E-07	5.62E-07	2.47E-06	2.47E-06	0	1.64E-05	9.47E-07	2.35E-05	1.58E-07	4.46E-07	2.03E-07	3.65E-04	1.31E-03	1.68E-03
Cr	7440-47-3	4.23E-06	4.23E-06	0	9.62E-07	9.62E-07	9.62E-07	4.23E-06	4.23E-06	0	3.30E-05	1.91E-06	2.90E-05	1.95E-07	5.49E-07	3.42E-06	6.25E-04	2.14E-03	2.77E-03
Bi	7440-69-9	8.57E-07	8.57E-07	0	1.95E-07	1.95E-07	1.95E-07	8.57E-07	8.57E-07	0	5.47E-06	3.16E-07	7.83E-06	5.27E-08	1.49E-07	5.36E-07	1.27E-04	4.52E-04	5.79E-04

Storage Piles - Fugitive Dust - Wind Erosion Emissions Estimates

Air contaminant releases due to wind erosion of storage piles are estimated based on information provided by Marathon Gold and published emission factors from the ECCC NPRI *Pits and Quarries Reporting Guide*

Trace metal fugitives are estimated based on the TSP release estimates and each ore specification (Berry, Marathon and Leprechaun pits).

CALMET predicted meteorological data for the Project site (wind speeds and precipitation) are used along with data from the ECCC operated Deer Lake Station (days with snow cover) to estimate releases.

The releases are approximated in the model on an average basis, modelled continuously over the three-year period of the model.

Silt Content	0.5%	Silt content from Mojave Desert Air Quality Management District, 2000 for "limestone"
Days with precip and/or snow cover	248	Min Annual CALMET predicted precipitation data for grid cell containing the project site and snow cover data from ECCC for Deer Lake station (2017-2019)
Percentage of time with winds >19.3 km/h	53%	CALMET predicted winds for grid cell containing the project site (surface level - 10 m)

Calculation Method - ECCC NPRI Pits and Quarries Reporting Guide (Section 8.9 Emissions Due to Wind Erosion of Stockpile Surfaces)

$EF = 1.12 * 10^{-4} * J * 1.7 * (s/1.5) * 365 * ((365-P)/235) * (I/15)$

Where,

EF: Emission factor in (kg/m^2)
J: Particulate aerodynamic factor
s: Average silt loading of storage pile in percent (%)
P: Average number of days during the year with at least 0.254 mm of precipitation
I: Percentage of time in the year with unobstructed wind speed >19.3 km/h in percent (%)

Particle aerodynamic factors for TPM, PM10 and PM2.5

J(TPM) =	1
J(PM10) =	0.5
J(PM2.5) =	0.2

Contaminant	Emission Factor (kg/m2yr)
TSP	4.07E-02
PM10	2.03E-02
PM2.5	8.13E-03

Storage Pile Surface Areas

Storage Pile	Approximate Max Area (m2)
Marathon - waste rock	820570
Marathon - waste rock2	243450
Marathon - low grade stockpile	127070
Leprechaun - waste rock	674325
Leprechaun - low grade stock pile	60472
Leprechaun - high grade stockpile	54070
Berry - waste rock	1452510

Marathon Ore Marathon Ore Marathon Ore Leprechaun Ore Leprechaun Ore Leprechaun Ore Berry Ore

Air Contaminant	CAS#	Emission Rates (T/a)							
		Marathon - waste rock	Marathon - waste rock2	Marathon - low grade stockpile	Leprechaun - waste rock	Leprechaun - low grade stock pile	Leprechaun - high grade stockpile	Berry - waste rock	TOTAL
TSP	N/A-1	33.4	9.90	5.17	27.4	2.46	2.20	59.1	80.5
PM10	N/A-2	16.7	4.95	2.58	13.7	1.23	1.10	29.5	40.2
PM2.5	N/A-3	6.67	1.98	1.03	5.48	0.492	0.440	11.8	16.1
As	7440-38-2	3.34E-04	9.90E-05	5.17E-05	2.74E-04	2.46E-05	2.20E-05	1.12E-04	8.05E-04
Cd	7440-43-9	3.00E-05	8.91E-06	4.65E-06	2.47E-05	2.21E-06	1.98E-06	2.07E-06	7.24E-05
Cu	7440-50-8	3.34E-03	9.90E-04	5.17E-04	2.74E-03	2.46E-04	2.20E-04	1.54E-03	8.05E-03
Pb	7439-92-1	6.67E-04	1.98E-04	1.03E-04	1.10E-03	9.83E-05	8.79E-05	2.21E-04	2.25E-03
Hg	7439-97-6	1.00E-05	2.97E-06	1.55E-06	8.22E-06	7.38E-07	6.59E-07	1.48E-06	2.41E-05
Ni	7440-02-0	2.34E-04	6.93E-05	3.62E-05	2.74E-04	2.46E-05	2.20E-05	1.59E-04	6.60E-04
Zn	7440-66-6	4.60E-04	1.37E-04	7.13E-05	9.60E-04	8.61E-05	7.69E-05	1.51E-03	1.79E-03
Ba	7440-39-3	3.89E-04	1.15E-04	6.03E-05	1.10E-03	9.87E-05	8.82E-05	7.38E-04	1.85E-03
Sr	7440-24-6	3.65E-04	1.08E-04	5.65E-05	1.66E-03	1.48E-04	1.33E-04	7.68E-04	2.47E-03
Be	7440-41-7	3.00E-06	8.91E-07	4.65E-07	3.56E-06	3.20E-07	2.86E-07	5.61E-06	8.53E-06
Cobalt	7440-48-4	1.67E-04	4.95E-05	2.58E-05	2.74E-04	2.46E-05	2.20E-05	7.62E-04	5.63E-04
Li	7439-93-2	6.67E-04	1.98E-04	1.03E-04	5.48E-04	4.92E-05	4.40E-05	1.39E-04	1.61E-03
Sb	7440-36-0	1.00E-03	2.97E-04	1.55E-04	2.74E-04	2.46E-05	2.20E-05	3.54E-04	1.77E-03
Sn	7440-31-5	1.33E-03	3.96E-04	2.07E-04	8.22E-04	7.38E-05	6.59E-05	5.91E-05	2.90E-03
Se	7782-49-2	1.00E-03	2.97E-04	1.55E-04	8.22E-04	7.38E-05	6.59E-05	2.07E-05	2.41E-03
Cr	7440-47-3	2.01E-03	5.97E-04	3.12E-04	1.01E-03	9.10E-05	8.13E-05	3.48E-04	4.11E-03
Bi	7440-69-9	3.34E-04	9.90E-05	5.17E-05	2.74E-04	2.46E-05	2.20E-05	5.46E-05	8.05E-04

Air Contaminant	CAS#	Emission Rates (g/m2s)						
		Marathon - waste rock	Marathon - waste rock2	Marathon - low grade stockpile	Leprechaun - waste rock	Leprechaun - low grade stock pile	Leprechaun - high grade stockpile	Berry - waste rock
TSP	N/A-1	1.29E-06	1.29E-06	1.29E-06	1.29E-06	1.29E-06	1.29E-06	1.29E-06
PM10	N/A-2	6.45E-07	6.45E-07	6.45E-07	6.45E-07	6.45E-07	6.45E-07	6.45E-07
PM2.5	N/A-3	2.58E-07	2.58E-07	2.58E-07	2.58E-07	2.58E-07	2.58E-07	2.58E-07
As	7440-38-2	1.29E-11	1.29E-11	1.29E-11	1.29E-11	1.29E-11	1.29E-11	2.45E-12
Cd	7440-43-9	1.16E-12	1.16E-12	1.16E-12	1.16E-12	1.16E-12	1.16E-12	4.51E-14
Cu	7440-50-8	1.29E-10	1.29E-10	1.29E-10	1.29E-10	1.29E-10	1.29E-10	3.35E-11
Pb	7439-92-1	2.58E-11	2.58E-11	2.58E-11	5.16E-11	5.16E-11	5.16E-11	4.83E-12
Hg	7439-97-6	3.87E-13	3.87E-13	3.87E-13	3.87E-13	3.87E-13	3.87E-13	3.22E-14
Ni	7440-02-0	9.02E-12	9.02E-12	9.02E-12	1.29E-11	1.29E-11	1.29E-11	3.48E-12
Zn	7440-66-6	1.78E-11	1.78E-11	1.78E-11	4.51E-11	4.51E-11	4.51E-11	3.29E-11
Ba	7440-39-3	1.50E-11	1.50E-11	1.50E-11	5.17E-11	5.17E-11	5.17E-11	1.61E-11
Sr	7440-24-6	1.41E-11	1.41E-11	1.41E-11	7.78E-11	7.78E-11	7.78E-11	1.68E-11
Be	7440-41-7	1.16E-13	1.16E-13	1.16E-13	1.68E-13	1.68E-13	1.68E-13	1.22E-13
Cobalt	7440-48-4	6.45E-12	6.45E-12	6.45E-12	1.29E-11	1.29E-11	1.29E-11	1.66E-11
Li	7439-93-2	2.58E-11	2.58E-11	2.58E-11	2.58E-11	2.58E-11	2.58E-11	3.03E-12
Sb	7440-36-0	3.87E-11	3.87E-11	3.87E-11	1.29E-11	1.29E-11	1.29E-11	7.74E-12
Sn	7440-31-5	5.16E-11	5.16E-11	5.16E-11	3.87E-11	3.87E-11	3.87E-11	1.29E-12
Se	7782-49-2	3.87E-11	3.87E-11	3.87E-11	3.87E-11	3.87E-11	3.87E-11	4.51E-13
Cr	7440-47-3	7.78E-11	7.78E-11	7.78E-11	4.77E-11	4.77E-11	4.77E-11	7.61E-12
Bi	7440-69-9	1.29E-11	1.29E-11	1.29E-11	1.29E-11	1.29E-11	1.29E-11	1.19E-12

Haul Truck Fugitives - Updated March 2023 - Berry Pit EIS Updates

Fugitive dust from movement of haul trucks along haul routes are estimated which include releases of TSP, PM10 and PM2.5.
Total releases of combustion gases and particulate from fuel combustion in haul trucks are estimated in the "*Mobile Equipment Combustion*" worksheet, the release estimates are allocated along the haul routes here for input in the dispersion model.

Releases are estimated based on haul route and truck trip information provided by Marathon and published emission factors (US EPA AP-42 Ch 13.2.2 Unpaved Roads).
Releases are estimated for the two haul truck sizes expected to used at the mine site, CAT777G and the larger CAT785G.

Since a portion of the PM (TSP, PM10, PM2.5) will not leave the pit (due to settling) retention factors are applied to sources below the surface within the pit.
The retention factors applied are from the Australian National Pollutant Release Inventory Emission Estimation Technique Manual for Mining - Wings equation 1981 based on 50 m pit depth.
The retention factors are applied portions of the haul routes in the immediate area of the pits.

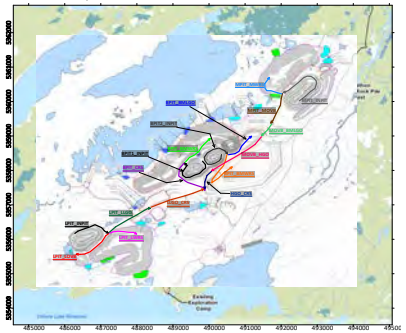
Maximum hourly, daily and annual emissions are estimated for the modelling.

Source dimensions are estimated based on road area and haul truck dimensions. Fugitive releases along haul routes are modelled as segmented volume sources representing a line (in 100 m lengths).

Haul Route Information

	Assumed Haul Route/Source ID	Description	Approx. Modelled Length (m)	No of Vsrc segments	Number of Truck trips			Haul Truck Model on Route	Combustion Emissions Allocation	Location
					Hourly	Daily	Annual			
	BPIT1_INPIT_91t	BPIT (in pit1) to CRS and BWRS - 91 t hauler	1300	--	7	123	43710	777G	10.2%	inpit
dup	BPIT1_INPIT_132t	BPIT (in pit1) to CRS and BWRS - 132 t hauler	1300	--	20	388	137702	785G	18.3%	inpit
	BPIT1_INPT		1300	26	-	-	-	-	-	inpit
	BPIT_CRS	BPIT (entrance1) to CRS	1220	24	3	59	21107	777G	4.1%	
	BPIT_BMLGO	BPIT (entrance1) to BMLGO	770	16	2	24	8481	777G	1.7%	
	BPIT_BMWRS_91t	BPIT (entrance1) to BWRS - 91 t hauler	1000	--	4	64	22603	777G	4.5%	
dup	BPIT_BMWRS_132t	BPIT (entrance1) to BWRS - 132 t hauler	1000	--	20	388	137702	785G	14.1%	
	BPIT_BMWRS		1000	20	-	-	-	-	-	
	BPIT2_INPT	BPIT (in pit2) to LGO and TMF	1540	31	8	132	46761	777G	13.8%	inpit
	BPIT_TMF	BPIT (entrance2) to TMF	1660	33	6	108	38280	777G	11.1%	
	LPIT_INPIT_91t	LPIT (in pit) to LLGO+CRS+LOVB+LWRS - 91 t hauler	1085	--	5	69	24565	777G	6.1%	inpit
dup	LPIT_INPIT_132t	LPIT (in pit) to LLGO+CRS+LOVB+LWRS - 132 t haul	1085	--	28	556	197435	785G	21.4%	inpit
	LPIT_INPIT		1085	22	-	-	-	-	-	inpit
	LPIT_LLGO	LPIT (entrance) to LLGO and CRS	1340	27	2	17	6031	777G	3.0%	
	LLGO_CRS	LLGO to CRS	1600	32	1	11	4005	777G	1.8%	
	LPIT_LOVB	LPIT (entrance) to LOVB	1100	22	1	14	4895	777G	1.2%	
	LPIT_LWRS_91t	LPIT (entrance) to LWRS - 91 t hauler	770	--	2	38	13640	777G	1.7%	
dup	LPIT_LWRS_132t	LPIT (entrance) to LWRS - 132 t hauler	770	--	28	556	197435	785G	15.2%	
	LPIT_LWRS		770	16	-	-	-	-	-	
	MPIT_INPIT_91t	MPIT (in pit) to CRS+BMLGO+MOVB+MWRS - 91 t	1860	--	11	187	66448	777G	22.9%	inpit
dup	MPIT_INPIT_132t	MPIT (in pit) to CRS+BMLGO+MOVB+MWRS - 132 t	1860	--	16	311	110307	785G	20.9%	inpit
	MPIT_INPIT		1860	37	-	-	-	-	-	inpit
	MPIT_MOVB	MPIT (entrance) to MOVB + BMLGO + CRS	875	18	4	47	16790	777G	3.9%	
	MOVB_BMLGO	MOVB to BMLGO + CRS	430	9	3	31	11119	777G	1.4%	
	MOVB_HGO	BMLGO to HGO + CRS	1690	34	2	21	7456	777G	3.8%	
	MPIT_MWRS_91t	MPIT (entrance) to MWRS - 91 t hauler	910	--	7	140	49658	777G	7.1%	
dup	MPIT_MWRS_132t	MPIT (entrance) to MWRS - 132 t hauler	910	--	16	311	110307	785G	10.2%	
	MPIT_MWRS		910	19	-	-	-	-	-	
	HGO_CRS	HGO + MPIT to CRS	500	11	3	37	13168	777G	1.7%	
	* Daily return trips are not additive as there is overlap between routes			397					200%	

Modelled Haul Routes - Updated Mar 2023



Emission Factor Calculations

Silt content (s)	8.3	%		from US EPA AP-42 Ch 13.2.2 Table 13.2.2-1 Typical Silt Content Values of Surface Material or Unpaved Roads for Stone Quarrying and processing (haul road to/from pit)
Gross Vehicle Weight	182	tons	777G	Target Gross Machine Weight (lb) 363000 from CAT 777G Specs (https://www.cat.com/en_US/products/new/equipment/off-highway-trucks/off-highway-trucks/18265926.html)
	281	tons	785G	## from CAT 785G Specs (https://www.finning.com/en_CA/products/new/equipment/off-highway-trucks/mining-trucks/1000033348.html)
Payload Capacity	91	tons	777G	
	132	tons	785G	
Mean Vehicle Weight (W)	136	tons	777G	Mean truck weight (average of loaded and empty)
	215	tons	785G	
Assumed control factor	0.25			It is assumed haul road dust will be controlled using water or calcium chloride, a conservative control efficiency of 75% is assumed

From US EPA AP-42 Chapter 13.2.2

Constant	TSP* N/A-1	PM10 N/A-2	PM2.5 N/A-3
k (lb/VMT)	4.9	1.5	0.15
a	0.9	0.9	0.9
b	0.45	0.45	0.45

Particulate Matter Pit Retention Factors	
TSP	0.5
PM10	0.05
PM2.5	0.005

* constant values for PM30, assumed equivalent to TSP

Emissions Estimates

	Description	Source ID	Hauler	Pit retention factor applied (yes or no)	Release Height (m)	Volume Source Initial Dimensions (m) Volume Source Sigma y	Volume Source Sigma z	Emission Rate (g/s) Hourly TSP N/A-1	PM10 N/A-2	PM2.5 N/A-3	Diesel PM N/A-1	NOX 10102-44-0	SO2 7446-09-5	CO 630-08-0	Daily TSP N/A-1	PM10 N/A-2	PM2.5 N/A-3	Diesel PM N/A-1	NOX 10102-44-0	SO2 7446-09-5	CO 630-08-0	Annual TSP N/A-1	PM10 N/A-2	PM2.5 N/A-3	Diesel PM N/A-1	NOX 10102-44-0	SO2 7446-09-5	CO 630-08-0
Rigid	BPIT (in pit1) to CRS and BWRS - 91 t hauler	BPIT1_INPIT_91t	777G	yes	-	-	-	1.75	1.02	0.11	0.0064	0.489	0.00094	0.489	1.28	0.75	0.08	0.0055	0.482	0.00093	0.482	1.25	0.73	0.08	0.0054	0.482	0.00093	0.482
Rigid	BPIT (in pit1) to CRS and BWRS - 132 t hauler	BPIT1_INPIT_132t	785G	yes	-	-	-	6.15	3.59	0.40	0.039	2.484	0.0048	2.484	4.98	2.91	0.33	0.038	2.416	0.0046	2.416	4.84	2.83	0.32	0.038	2.416	0.0046	2.416
	BPIT (in pit1) to CRS and BWRS - TOTAL	BPIT1_INPT		yes	5.95	23.57	5.53	7.90	4.61	0.51	0.034	2.973	0.0057	2.973	6.26	3.65	0.41	0.033	2.898	0.0056	2.898	6.09	3.56	0.40	0.033	2.898	0.0056	2.898
Rigid	BPIT (entrance1) to CRS	BPIT_CRS	777G	no	5.95	24.13	5.53	1.40	0.43	0.05	0.0015	0.197	0.00038	0.197	1.16	0.36	0.04	0.0013	0.194	0.00037	0.194	1.13	0.35	0.04	0.0013	0.194	0.00037	0.194
Rigid	BPIT (entrance2) to BMLGO	BPIT_BMLGO	777G	no	5.95	23.07	5.53	0.59	0.18	0.02	0.0010	0.083	0.00016	0.083	0.29	0.09	0.01	0.0009	0.082	0.00016	0.082	0.29	0.09	0.01	0.0009	0.082	0.00016	0.082
Rigid	BPIT (entrance1) to BWRS - 91 t hauler	BPIT_BMWRS_91t	777G	no	-	-	-	1.53	0.47	0.05	0.0025	0.215	0.00041	0.215	1.02	0.31	0.03	0.0024	0.212	0.00041	0.212	0.99	0.30	0.03	0.0024	0.212	0.00041	0.212
Rigid	BPIT (entrance1) to BWRS - 132 t hauler	BPIT_BMWRS_132t	785G	no	-	-	-	9.44	2.91	0.31	0.022	1.911	0.0037	1.911	7.64	2.35	0.25	0.021	1.859	0.0036	1.859	7.43	2.29	0.25	0.021	1.859	0.0036	1.859
	BPIT (entrance1) to BWRS - TOTAL	BPIT_BMWRS		no	5.95	23.73	5.53	10.98	3.38	0.36	0.025	2.126	0.0041	2.126	8.65	2.67	0.29	0.024	2.071	0.0040	2.071	8.42	2.59	0.28	0.024	2.071	0.0040	2.071
Rigid	BPIT (in pit2) to LGO and TMF	BPIT2_INPT	777G	yes	5.95	23.53	5.53	2.37	1.38	0.15	0.0076	0.662	0.0013	0.662	1.63	0.95	0.11	0.0075	0.652	0.0013	0.652	1.58	0.92	0.10	0.0075	0.652	0.0013	0.652
Rigid	BPIT (entrance2) to TMF	BPIT_TMF	777G	no	5.95	23.75	5.53	3.82	1.17	0.12	0.0067	0.535	0.0010	0.535	2.86	0.88	0.09	0.0063	0.527	0.0010	0.527	2.78	0.86	0.09	0.0063	0.527	0.0010	0.527
Rigid	LPIT (in pit) to LLGO+CRS+LOVB+LWRS - 91 t hauler	LPIT_INPIT_91t	777G	yes	-	-	-	1.04	0.61	0.07	0.0038	0.291	0.00056	0.291	0.60	0.35	0.04	0.0033	0.287	0.00055	0.287	0.59	0.34	0.04	0.0033	0.287	0.00055	0.287
Rigid	LPIT (in pit) to LLGO+CRS+LOVB+LWRS - 132 t hauler	LPIT_INPIT_132t	785G	yes	-	-	-	7.19	4.20	0.47	0.033	2.903	0.0056	2.903	5.95	3.48	0.39	0.032	2.823	0.0054	2.823	5.79	3.38	0.38	0.032	2.823	0.0054	2.823
	LPIT (in pit) to LLGO+CRS+LOVB+LWRS - TOTAL	LPIT_INPIT		yes	5.95	23.46	5.53	8.23	4.80	0.54	0.037	3.194	0.0061	3.194	6.56	3.83	0.43	0.036	3.111	0.0060	3.111	6.38	3.72	0.42	0.036	3.111	0.0060	3.111
Rigid	LPIT (entrance) to LLGO and CRS	LPIT_LLGO	777G	no	5.95	23.46	5.53	1.03	0.32	0.03	0.0017	0.144	0.00028	0.144	0.36	0.11	0.01	0.0016	0.142	0.00027	0.142	0.35	0.11	0.01	0.0016	0.142	0.00027	0.142
Rigid	LLGO to CRS	LLGO_CRS	777G	no	5.95	23.68	5.53	0.61	0.19	0.02	0.0010	0.086	0.00017	0.086	0.29	0.09	0.01	0.0010	0.085	0.00016	0.085	0.28	0.09	0.01	0.0010	0.085	0.00016	0.085
Rigid	LPIT (entrance) to LOVB	LPIT_LOVB	777G	no	5.95	23.75	5.53	0.42	0.13	0.01	0.00069	0.059	0.00011	0.059	0.24	0.07	0.01	0.00067	0.058	0.00011	0.058	0.24	0.07	0.01	0.00067	0.058	0.00011	0.058
Rigid	LPIT (entrance) to LWRS - 91 t hauler	LPIT_LWRS_91t	777G	no	-	-	-	0.59	0.18	0.02	0.0010	0.083	0.00016	0.083	0.47	0.15	0.02	0.0009	0.082	0.00016	0.082	0.46	0.14	0.01	0.0009	0.082	0.00016	0.082
Rigid	LPIT (entrance) to LWRS - 132 t hauler	LPIT_LWRS_132t	785G	no	-	-	-	10.18	3.13	0.33	0.024	2.060	0.0040	2.060	8.43	2.60	0.28	0.023	2.004	0.0038	2.004	8.20	2.53	0.27	0.023	2.004	0.0038	2.004
	LPIT (entrance) to LWRS - TOTAL	LPIT_LWRS		no	5.95	23.16	5.53	10.77	3.31	0.35	0.025	2.143	0.0041	2.143	8.90	2.74	0.30	0.024	2.085	0.0040	2.085	8.66	2.67	0.29	0.024	2.085	0.0040	2.085
Rigid	MPIT (in pit) to CRS+BMLGO+MOVB+MWRS - 91 t hauler	MPIT_INPIT_91t	777G	yes	-	-	-	3.93	2.29	0.25	0.013	1.099	0.0021	1.099	2.79	1.63	0.18	0.013	1.083	0.0021	1.083	2.71	1.58	0.18	0.012	1.083	0.0021	1.083
Rigid	MPIT (in pit) to CRS+BMLGO+MOVB+MWRS - 132 t hauler	MPIT_INPIT_132t	785G	yes	-	-	-	7.04	4.11	0.46	0.039	2.844	0.0055	2.844	5.70	3.33	0.38	0.037	2.766	0.0053	2.766	5.55	3.24	0.37	0.037	2.766	0.0053	2.766
	MPIT (in pit) to CRS+BMLGO+MOVB+MWRS - TOTAL	MPIT_INPIT		yes	5.95	23.65	5.53	10.97	6.40	0.71	0.045	3.943	0.0076	3.943	8.49	4.96	0.56	0.044	3.849	0.0074	3.849	8.26	4.82	0.54	0.044	3.849	0.0074	3.849
Rigid	MPIT (entrance) to MOVB + BMLGO + CRS	MPIT_MOVB	777G	no	5.95	23.25	5.53	1.34	0.41	0.04	0.0022	0.188	0.00036	0.188	0.66	0.20	0.02	0.0021	0.185	0.00036	0.185	0.64	0.20	0.02	0.0021	0.185	0.00036	0.185
Rigid	MOVB to BMLGO + CRS	MOVB_BMLGO	777G	no	5.95	23.40	5.53	0.49	0.15	0.02	0.0008	0.069	0.00013	0.069	0.22	0.07	0.01	0.0008	0.068	0.00013	0.068	0.21	0.06	0.01	0.0008	0.068	0.00013	0.068
Rigid	BMLGO to HGO + CRS	MOVB_HGO	777G	no	5.95	23.48	5.53	1.30	0.40	0.04	0.0022	0.182	0.00035	0.182	0.57	0.18	0.02	0.0021	0.179	0.00034	0.179	0.55	0.17	0.02	0.0021	0.179	0.00034	0.179
Rigid	MPIT (entrance) to MWRS - 91 t hauler	MPIT_MWRS_91t	777G	no	-	-	-	2.44	0.75	0.08	0.0039	0.342	0.00066	0.342	2.04	0.63	0.07	0.0039	0.337	0.00065	0.337	1.98	0.61	0.06	0.0038	0.337	0.00065	0.337
Rigid	MPIT (entrance) to MWRS - 132 t hauler	MPIT_MWRS_132t	785G	no	-	-	-	6.88	2.12	0.23	0.016	1.391	0.0027	1.391	5.57	1.71	0.19	0.016	1.353	0.0026	1.353	5.41	1.67	0.18	0.016	1.353	0.0026	1.353
	MPIT (entrance) to MWRS - TOTAL	MPIT_MWRS		no	5.95	22.93	5.53	9.32	2.87	0.30	0.020	1.733	0.0033	1.733	7.60	2.34	0.25	0.020	1.691	0.0032	1.691	7.39	2.28	0.25	0.020	1.691	0.0032	1.691
Rigid	HGO + MPIT to CRS	HGO_CRS	777G	no	5.95	22.23	5.53	0.58	0.18	0.02	0.0009	0.081	0.00015	0.081	0.30	0.09	0.01	0.0008	0.079	0.00015	0.079	0.29	0.09	0.01	0.0008	0.079	0.00015	0.079
	TOTAL							**72.13**	**30.31**	**3.30**	**0.212**	**18.40**	**0.035**	**18.40**	**55.05**	**23.28**	**2.58**	**0.207**	**17.96**	**0.03**	**17.96**	**53.55**	**22.65**	**2.51**	**0.207**	**17.96**	**0.034**	**17.96**

Mobile Equipment Release Estimates

Air contaminant releases from combustion of fuel in large mobile equipment are estimated based on fuel consumption and operational information provided by Marathon Gold and published emission factors (from the US EPA/Canada CEPA Tiered Emission Standards for Off-Road Heavy Duty Diesel Engines).

Releases are estimated for combustion products (NOX, SO2, CO and Dust - including TSP, PM10 and PM2.5).

Sources consuming >50L/hr fuel are included in the dispersion model and estimated in this sheet. Other smaller mobile sources (including smaller equipment and passenger vehicles) are not modelled as the expected air contaminant releases are not likely to contribute substantively to ground-level concentrations outside Project area, given the large property area.

Mobile equipment are represented in the model at a fixed location assumed based on site plan drawings provided by Marathon Gold. Releases are modelled as maximum hourly, daily and annual rates, based on the expected hours of operation for each piece of equipment and number of equipment operating simultaneously (which are assumed by Stantec as the whole fleet).
In some cases (for the drill, loader and excavator defined below) the daily estimated release rates (scaled/prorated hourly rates based on provided hours of operation per day) are lower than the annual rates (in g/s - converted from the t/a estimates), which may be a result of the assumption that the entire fleet operates simultaneously leading to lower emissions from individual sources as the annual release estimates are based on the expected total annual hours of operation for each equipment type. In these cases the daily emissions in g/s are assumed to be consistent with the annual g/s emission rates. This is assumed in absence of a detailed breakdown of the annual operating hours and max number of equipment operating simultaneously, which would be needed to estimate the actual daily maximum emissions rates for the drill, loader and excavator.

Since a portion of the PM (TSP, PM10, PM2.5) will not leave the pit (due to settling) retention factors are applied to sources below the surface within the pit.
The retention factors applied are from the Australian National Pollutant Release Inventory Emission Estimation Technique Manual for Mining - Wings equation 1981 based on 50 m pit depth.

Exhaust gas properties (temperature and velocity) and stack dimensions (heights and diameters) are assumed/estimated (by Stantec) based on similar equipment specification and previous experience.

Emission Factors - Diesel Fuel

US EPA/Canada CEPA Tier 1, 2, 3 and 4 NOx, CO and PM Emission Standards for Off-Road Heavy-Duty Diesel Engines

	Engine Power (hp)	Tier	Model Year	Emission Factors (g/hp-hr)			BSFC (lb/hp-hr)	Emission Factors (g/hp-hr)
				NO_x *	CO	TSP		SO_2
				10102-44-0	630-08-0	N/A-1		7446-09-5
	≥100 to <175	Tier 1	1997–2000	6.9	-	-	0.367	4.99E-03
		Tier 2	2003–2006	4.5	3.7	0.22		4.99E-03
		Tier 3	2007–2011	2.8	3.7	0.22		4.99E-03
		Tier 4 transitional	2012–2013	0.3	-	0.01		4.99E-03
100		Tier 4 final	2014+	0.3	3.7	0.01		4.99E-03
	≥175 to <300	Tier 1	1996–2002	6.9	8.5	0.4	0.367	4.99E-03
		Tier 2	2003–2005	4.5	2.6	0.15		4.99E-03
		Tier 3	2006–2010	2.8	2.6	0.15		4.99E-03
		Tier 4 transitional	2011–2013	-	-	0.01		4.99E-03
175		Tier 4 final	2014+	0.3	2.6	0.01		4.99E-03
	≥300 to <600	Tier 1	1996–2000	6.9	8.5	0.4		4.99E-03
		Tier 2	2001–2005	4.5	2.6	0.15		4.99E-03
		Tier 3	2006-2010	2.8	2.6	0.15	0.367	4.99E-03
		Tier 4 transitional	2011–2013	0.3	2.6	0.01		4.99E-03
300		Tier 4 final	2014+	0.3	2.6	0.01		4.99E-03
	≥600 to <750	Tier 1	1996–2001	6.9	8.5	0.4	0.367	4.99E-03
		Tier 2	2002–2005	4.5	2.6	0.15		4.99E-03
		Tier 3	2006-2010	2.8	2.6	0.15		4.99E-03
		Tier 4 transitional	2011–2013	0.3	2.6	0.01		4.99E-03
600		Tier 4 final	2014+	0.3	2.6	0.01		4.99E-03
	≥750	Tier 1	2000–2005	6.9	8.5	0.4	0.367	4.99E-03
		Tier 2	2006–2010	4.5	2.6	0.15		4.99E-03
		Tier 4 transitional	2011–2014	2.6	2.6	0.07		4.99E-03
750		Tier 4 final	2015+	2.6	2.6	0.03		4.99E-03

NOTES:
"-"= not available
SOURCES:
[29] Canadian Off-Road Compression-Ignition Engine Emission Regulations (ECCC, 2005) Canadian Off-road Compression-Ignition (Mobile and Stationary) and Large Spark-Ignition Engine Emission Regulations (ECCC, 2020)
[30] Nonroad Compression-Ignition Engines - Exhaust Emission Standards (US EPA, 2016a)
* Particulate from diesel combustion assumed to be <1 um

Diesel HHV	0.137	MMBTU/gal	from US EPA AP-42 Appendix A Misc. Data and Conversion Factors
Diesel S Content	0.0015	%	
Assumed Diesel Engine thermal efficiency	0.4		https://www.sciencedirect.com/topics/engineering/engine-thermal-efficiency

(Table 3.3-1 Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines and Table 3.4-1 Gaseous Emission Factors for Large Stationary Diesel and All Stationary Dual-fuel Engines)

Air Contaminant	CAS#	Uncontrolled EF (lb/MMBTU) *	
		Diesel Engines (AP-42 Ch 3.3)	Large Diesel Engines (AP-42 Ch 3.4)
NOX	10102-44-0	4.41	3.2
SO2	7446-09-5	0.29	0.001515
CO	630-08-0	0.95	0.85
TSP	N/A-1	0.31	0.1
PM10	N/A-2	0.31	0.1
PM2.5	N/A-3	0.31	0.1

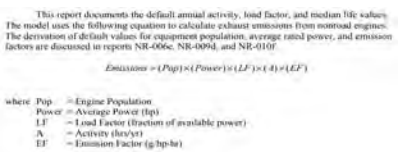
Particulate Matter Pit Retention Factors

TSP	0.5
PM10	0.05
PM2.5	0.005

PM2.5 factor applied since diesel PM is assumed to be PM1

Inna Yankova, April 2022:
The emission calculation from the NONROAD technical documentation includes a "Load Factor" for each equipment type
Updated the SO2 emission factor using the equation from the NONROAD model technical documentation
Corrected the annual average emission rates.

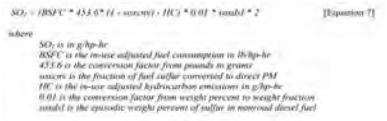
Nonroad Technical Reports | US EPA
Median Life, Annual Activity, and Load Factor Values for Nonroad Engine Emissions Modeling, Report No. NR-005d (EPA420-R-10-016) (July 2010)



This report documents the default annual activity, load factor, and median life values. The model uses the following equation to calculate exhaust emissions from nonroad engines. The derivation of default values for equipment population, average rated power, and emission factors are discussed in reports NR-006e, NR-009d, and NR-010f.

$$Emissions = (Pop) \times (Power) \times (LF) \times (A) \times (EF)$$

where Pop = Engine Population
Power = Average Power (hp)
LF = Load Factor (fraction of available power)
A = Activity (hrs/yr)
EF = Emission Factor (g/hp-hr)



$SO_2 = (BSFC * 453.6 * (1 - sreserv) - HC) * 0.01 * sxtabl * 2$ [Equation 7]

where
SO_2 is in g/hp-hr
BSFC is the in-use adjusted fuel consumption in lb/hp-hr
453.6 is the conversion factor from pounds to grams
sreserv is the fraction of fuel sulfur converted to direct PM
HC is the in-use adjusted hydrocarbon emissions in g/hp-hr
0.01 is the conversion factor from weight percent to weight fraction
sxtabl is the episodic weight percent of sulfur in nonroad diesel fuel

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2 is the grams of SO_2 formed from a gram of sulfur

Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling--Compression-Ignition, Report No. NR-009d (E

Equipment List

Equipment	Function	Modelled Location Stantec Assumed	Fuel Consumption gal/hr	Heat from Fuel Combustion MMBTU/hr	 hp	Assumed Output Power hp	Number of Equipment Total	 Operating Simultaneously	Operating Hours/yr *	Assumed per unit Operating Hours/day	Load Factors	Notes
Rotary Drill, Tracked, 200 mm diameter	Production Drilling	2 - berry pit 1 - leprechaun pit 1 - marathon pit	27.8	3.81	1494	598	-	4	24,380	17	43%	https://www.cat.com/en_MX/products/new/equipment/drills/rotary-drills/134294315741.html
DTH Drill, Tracked, 144 mm diameter	Production Drilling	1 - berry pit 2 - leprechaun pit 1 - marathon pit	13.2	1.81	712	285	-	4	19,089	14	43%	https://www.rockdrillsales.com/fullpanel/uploads/files/dth%20equipment.pdf
RC Drill, Tracked, 144mm diameter	Grade Control (RC) Drilling	1 in each pit	13.2	1.81	712	285	-	3	3,125	3	43%	https://www.rockdrillsales.com/fullpanel/uploads/files/dth%20equipment.pdf
Wheel Loader, 13 m3 bucket	Production Loading, Crusher Loading	1 - berry pit 1 - leprechaun pit	30.4	4.17	1637	973	-	2	8,729	12	48%	Exhaust dimensions approximated and net engine power based on CAT Large Wheel Loader 993K (https://www.cat.com/en_US/products/new/equipment/wheel-loaders/large-wheel-loaders/18366798.html)
Hydraulic Excavator, 15 m3 bucket	Production Loading	1 in each pit	48.9	6.71	2633	1530	-	3	17,461	16	53%	Exhaust dimensions approximated and net engine power based on CAT 6030 Hydraulic Shovel (https://s7d2.scene7.com/is/content/Caterpillar/C825901)
Hydraulic Excavator, 12 m3 bucket	Production Loading	2 - berry pit 1 - leprechaun pit 1 - marathon pit	34.4	4.71	1850	1086	-	4	19,663	14	53%	Exhaust dimensions approximated and gross engine power based on Hitachi EX1900 (https://www.hitachiconstruction.com/wp-content/uploads/2016/02/DKEX1900HT_16-01.pdf)
Rigid Fram Hauler, 132 t payload	Hauling Waste	along haul routes	41.3	5.65	2220	1450	-	22	132,780	17	59%	Exhaust dimensions approximated and gross engine power based on CAT 785G Haul Truck (https://www.finning.com/en_CA/products/new/equipment/off-highway-trucks/mining-trucks/1000033348.html)
Rigid Fram Hauler, 91t payload	Hauling Ore and Waste	along haul routes	26.5	3.62	1423	1025	-	11	59,360	15	59%	Exhaust dimensions approximated and gross engine power based on CAT 777G Haul Truck (https://www.cat.com/en_US/products/new/equipment/off-highway-trucks/off-highway-trucks/18265926.html)
Track Dozer, 447 kW	Waste Dump Maintenance	1 in each pit	22.5	3.08	1210	599	-	3	12,726	12	59%	Exhaust dimensions approximated based on CATD10 447kW Dozer
Track Dozer, 325 kW	Pit Support	1 - berry pit 1 - leprechaun pit	15.9	2.17	854	436	-	2	10,790	15	59%	Exhaust dimensions approximated based on CATD9 325kW Dozer
Wheel Dozer, 370 kW	Pit Support	1 - berry pit 1 - marathon pit	17.2	2.36	925	496	-	2	6,474	9	59%	Exhaust dimensions approximated based on CAT834K Wheel Dozer https://www.finning.com/en_CA/products/new/equipment/dozers/wheel-dozers/18483684.html

* Haul truck hours of operation are based on Year 6 (from Haul Road Usage worksheet) and other equipment is based Y3 (from Mine Mobile worksheet)

Release Estimates

Hourly (per source)

Parameter	Number of Sources Operating Simultaneously	Stack Height m	Base Elevation m	Stack Diameter m	Velocity m/s	Temperature K	Emission Rates (g/s) TSP N/A-1	 PM10 N/A-2	 PM2.5 N/A-3	 NOX 10102-44-0	 SO2 7446-09-5	 CO 630-08-0	
Rotary Drill, Tracked, 200 mm diameter	4	3.0	See Lakes worksheet	0.152	20	723.15	7.10E-04	7.10E-04	7.10E-04	0.0214	0.0004	0.186	in pit
DTH Drill, Tracked, 144 mm diameter	4	2.0		0.102	20	723.15	3.38E-04	3.38E-04	3.38E-04	0.0102	0.0002	0.088	in pit
RC Drill, Tracked, 144mm diameter	3	2.0		0.102	20	723.15	3.38E-04	3.38E-04	3.38E-04	0.0102	0.0002	0.088	in pit
Wheel Loader, 13 m3 bucket	2	5.0		0.254	20	723.15	3.87E-03	3.87E-03	3.87E-03	0.337	0.0006	0.337	in pit
Hydraulic Excavator, 15 m3 bucket	3	5.0		0.508	20	723.15	6.72E-03	6.72E-03	6.72E-03	0.586	0.0011	0.586	in pit
Hydraulic Excavator, 12 m3 bucket	4	6.4		0.457	20	723.15	4.77E-03	4.77E-03	4.77E-03	0.416	0.0008	0.416	in pit
Rigid Fram Hauler, 132 t payload	22	3.5		0.356	20	723.15	7.13E-03	7.13E-03	7.13E-03	0.618	0.0012	0.618	haul routes
Rigid Fram Hauler, 91t payload	11	3.0		0.254	20	723.15	5.04E-03	5.04E-03	5.04E-03	0.437	0.0008	0.437	haul routes
Track Dozer, 447 kW	3	5.0		0.305	20	723.15	9.82E-04	9.82E-04	9.82E-04	0.029	0.0005	0.255	wasterock storage
Track Dozer, 325 kW	2	3.0		0.203	20	723.15	7.11E-04	7.11E-04	7.11E-04	0.0214	0.0004	0.186	in pit
Wheel Dozer, 370 kW	2	3.0		0.203	20	723.15	8.09E-04	8.09E-04	8.09E-04	0.0244	0.0004	0.211	in pit
						total	0.058	0.058	0.058	4.431	0.013	7.016	

Daily (per source)

Parameter	Number of Sources Operating Simultaneously	Stack Height m	Base Elevation m	Stack Diameter m	Velocity m/s	Temperature K	Emission Rates (g/s) TSP N/A-1	 PM10 N/A-2	 PM2.5 N/A-3	 NOX 10102-44-0	 SO2 7446-09-5	 CO 630-08-0
Rotary Drill, Tracked, 200 mm diameter	4	3.0	See Lakes worksheet	0.152	20	723.15	6.98E-04	6.98E-04	6.98E-04	0.021	0.0004	0.182
DTH Drill, Tracked, 144 mm diameter	4	2.0		0.102	20	723.15	3.16E-04	3.16E-04	3.16E-04	0.010	0.0002	0.083
RC Drill, Tracked, 144mm diameter	3	2.0		0.102	20	723.15	3.22E-04	3.22E-04	3.22E-04	0.010	0.0002	0.084
Wheel Loader, 13 m3 bucket	2	5.0		0.254	20	723.15	3.86E-03	3.86E-03	3.86E-03	0.336	0.001	0.336
Hydraulic Excavator, 15 m3 bucket	3	5.0		0.508	20	723.15	6.70E-03	6.70E-03	6.70E-03	0.584	0.001	0.584
Hydraulic Excavator, 12 m3 bucket	4	6.4		0.457	20	723.15	4.59E-03	4.59E-03	4.59E-03	0.400	0.001	0.400
Rigid Fram Hauler, 132 t payload	22	3.5		0.356	20	723.15	6.93E-03	6.93E-03	6.93E-03	0.601	0.001	0.601
Rigid Fram Hauler, 91t payload	11	3.0		0.254	20	723.15	4.97E-03	4.97E-03	4.97E-03	0.430	0.001	0.430
Track Dozer, 447 kW	3	5.0		0.305	20	723.15	9.51E-04	9.51E-04	9.51E-04	0.029	0.0005	0.247
Track Dozer, 325 kW	2	3.0		0.203	20	723.15	7.00E-04	7.00E-04	7.00E-04	0.021	0.0004	0.183
Wheel Dozer, 370 kW	2	3.0		0.203	20	723.15	7.97E-04	7.97E-04	7.97E-04	0.024	0.0004	0.208
						total	0.057	0.057	0.057	4.350	0.013	6.859

Annual (per source)

Parameter	Number of Sources Operating	Stack Height m	Base Elevation m	Stack Diameter m	Velocity m/s	Temperature K	Emission Rates (g/s) TSP N/A-1	 PM10 N/A-2	 PM2.5 N/A-3	 NOX 10102-44-0	 SO2 7446-09-5	 CO 630-08-0
Rotary Drill, Tracked, 200 mm diameter	4	3.0	See Lakes worksheet	0.152	20	723.15	6.98E-04	6.98E-04	6.98E-04	0.0210	0.0004	0.182
DTH Drill, Tracked, 144 mm diameter	4	2.0		0.102	20	723.15	3.16E-04	3.16E-04	3.16E-04	0.0095	0.0002	0.083
RC Drill, Tracked, 144mm diameter	3	2.0		0.102	20	723.15	3.22E-04	3.22E-04	3.22E-04	0.0097	0.0002	0.084
Wheel Loader, 13 m3 bucket	2	5.0		0.254	20	723.15	3.86E-03	3.86E-03	3.86E-03	0.336	0.001	0.336
Hydraulic Excavator, 15 m3 bucket	3	5.0		0.508	20	723.15	6.70E-03	6.70E-03	6.70E-03	0.584	0.001	0.584
Hydraulic Excavator, 12 m3 bucket	4	6.4		0.457	20	723.15	4.59E-03	4.59E-03	4.59E-03	0.400	0.001	0.400
Rigid Fram Hauler, 132 t payload	22	3.5		0.356	20	723.15	6.93E-03	6.93E-03	6.93E-03	0.601	0.001	0.601
Rigid Fram Hauler, 91t payload	11	3.0		0.254	20	723.15	4.97E-03	4.97E-03	4.97E-03	0.430	0.001	0.430
Track Dozer, 447 kW	3	5.0		0.305	20	723.15	9.51E-04	9.51E-04	9.51E-04	0.0285	0.0005	0.247
Track Dozer, 325 kW	2	3.0		0.203	20	723.15	7.00E-04	7.00E-04	7.00E-04	0.0211	0.0004	0.183
Wheel Dozer, 370 kW	2	3.0		0.203	20	723.15	7.97E-04	7.97E-04	7.97E-04	2.40E-02	0.0004	2.08E-01
						total	0.057	0.057	0.057	4.350	0.013	6.859

Total Annual Emissions

Air Contaminant	CAS#	Emission Rate (T/a) Rotary Drill, Tracked, 200 mm diameter	DTH Drill, Tracked, 144 mm diameter	RC Drill, Tracked, 144mm diameter	Wheel Loader, 13 m3 bucket	Hydraulic Excavator, 15 m3 bucket	Hydraulic Excavator, 12 m3 bucket	Rigid Fram Hauler, 132 t payload	Rigid Fram Hauler, 91t payload	Track Dozer, 447 kW	Track Dozer, 325 kW	Wheel Dozer, 370 kW	TOTAL
TSP	N/A-1	0.062	0.023	0.004	0.122	0.423	0.338	3.41	1.08	0.0450	0.0276	0.0189	5.47
PM10	N/A-2	0.062	0.023	0.004	0.122	0.423	0.338	3.41	1.08	0.0450	0.0276	0.0189	5.47
PM2.5	N/A-3	0.062	0.023	0.004	0.122	0.423	0.338	3.41	1.08	0.0450	0.0276	0.0189	5.47
NOX	10102-44-0	1.88	0.70	0.11	10.6	36.8	29.4	295	93.3	1.35	0.83	0.57	469
SO2	7446-09-5	0.031	0.012	0.0019	0.020	0.071	0.057	0.57	0.18	0.022	0.014	0.0095	0.94
CO	630-08-0	16.3	6.1	1.0	10.6	36.8	29.4	295	93.3	11.7	7.2	4.9	492

Processing Plant Emissions

Air contaminant releases from processing plant sources are estimated based on information provided by Marathon Gold and published emission factors (from the US EPA AP-42 and Australian NPI Guide).
for Gold Processing.

Stack concentrations of dust are provided by Marathon Gold. Trace metal fugitives are estimated based on the TSP release estimates and the ore specification. Emissions are based on Y3 operating year.
Electrical heating is used for process heating requirements, i.e., there are no large stationary combustion sources associated with the operation of the processing plant, therefore, no substantive emissions of combustion gases are expected from the operation of the processing plant.

Operating schedules are based on information from Marathon Gold. Releases are estimated for maximum hourly and daily operation, with daily max emissions prorated based on the operating hours per day for each source.
Annual release estimates are estimated based on the operating hours per day for each source assuming 365 operating days per year.

Worksheet updated: Jun 2, 2021 - revised source locations and dimensions/release orientation

Operating Days 365 per year

Stantec Assumed Source Locations

updated emissions based on new info from Marathon - Barring furnace, electrowinning and regen kiln

Hourly Max Emissions

Source	Source ID	Release Orientation	Operating Schedule hrs/day	Exhaust Flow m3/s	Location (m)		Emissions Controls	Provided Stack Height m	Base Elevation m	Stack Diameter m	Velocity m/s	Temperature K	Emission Rates (g/s)																										
					UTM X	UTM-Y							TSP	PM10	PM2.5	NOX	SO2	CO	HCN	NH3	As	Cd	Cu	Pb	Hg	Ni	Zn	Ba	Sr	Be	Cobalt	Li	Sb	Sn	Se	Cr	Bi
													N/A-1	N/A-2	N/A-3	10102-44-0	7446-09-5	630-08-0	74-90-8	7664-41-7	7440-38-2	7440-43-9	7440-50-8	7439-92-1	7439-97-6	7440-02-0	7440-66-6	7440-39-3	7440-24-6	7440-41-7	7440-48-4	7439-93-2	7440-36-0	7440-31-5	7782-49-2	7440-47-3	7440-69-9
Acid wash exhaust fan	AW_EXH	Verical, through building sidewall	4	0.89	See model input sheet		NA	10.00	380	0.30	12.59	288.15	0.53	0.44	0.18	-	-	-	-	-	3.90E-06	3.27E-07	4.02E-05	1.13E-05	1.11E-07	3.51E-06	1.32E-05	1.14E-05	1.50E-05	5.61E-08	4.97E-06	7.54E-06	8.19E-06	1.26E-05	1.07E-05	1.84E-05	3.72E-06
Lime dust fan	LD_FAN	Verical, through building sidewall	4	0.28			baghouse	8.78	380	0.15	16.01	288.15	0.17	0.17	0.17	-	-	-	-	-	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
Sodium cyanide dust fan	NACN_FAN	Verical, through building sidewall	4	0.28			baghouse	9.25	380	0.15	16.01	288.15	0.17	0.17	0.17	-	-	-	8.96	-	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
Copper sulphate exhaust fan	CS_FAN	Verical, through building sidewall	4	0.28			baghouse	2.42	380	0.15	16.01	288.15	0.17	0.17	0.17	-	-	-	-	-	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
Sodium metabisulphite exhaust fan	SMBS_FAN	Verical, through building sidewall	4	0.28			baghouse	8.02	380	0.15	16.01	288.15	0.17	0.17	0.17	-	-	-	-	-	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
PAX exhaust fan	PAX_FAN	Verical, through building sidewall	24	0.28			baghouse	8.91	380	0.15	16.01	288.15	0.17	0.17	0.17	-	-	-	-	-	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
Lime silo baghouse fan	LBH_FAN	Verical	24	0.28			baghouse	11.75	380	0.15	16.01	288.15	0.17	0.17	0.17	-	-	-	-	-	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
Drying oven extraction fan	DRYOVEN	Horizontal, through building sidewall	12	0.60			NA	4.54	380	0.30	8.49	323.15	0.12	0.10	0.04	-	-	-	-	-	8.76E-07	7.34E-08	9.04E-06	2.55E-06	2.50E-08	7.88E-07	2.97E-06	2.57E-06	3.37E-06	1.26E-08	1.12E-06	1.69E-06	1.84E-06	2.84E-06	2.41E-06	4.13E-06	8.37E-07
Elution ew extraction fan	ELUTION	vertical	16	0.60			baghouse	9.49	380	0.30	8.49	323.15	0.12	0.12	0.12	-	-	-	-	0.0556	8.76E-07	7.34E-08	9.04E-06	2.55E-06	2.50E-08	7.88E-07	2.97E-06	2.57E-06	3.37E-06	1.26E-08	1.12E-06	1.69E-06	1.84E-06	2.84E-06	2.41E-06	4.13E-06	8.37E-07
ICU ew extraction fan	EW_FAN	vertical	16	0.60			baghouse	9.49	380	0.30	8.49	323.15	0.12	0.12	0.12	-	-	-	-	0.0556	8.76E-07	7.34E-08	9.04E-06	2.55E-06	2.50E-08	7.88E-07	2.97E-06	2.57E-06	3.37E-06	1.26E-08	1.12E-06	1.69E-06	1.84E-06	2.84E-06	2.41E-06	4.13E-06	8.37E-07
Barring Furnace Exhaust Stack	BARFURN	veritcal	4	3.78			baghouse	10.00	380	0.66	11.00	353.15	0.76	0.76	0.76	-	-	-	-	-	5.52E-06	4.62E-07	5.70E-05	1.61E-05	1.58E-07	4.96E-06	1.87E-05	1.62E-05	2.12E-05	7.94E-08	7.03E-06	1.07E-05	1.16E-05	1.79E-05	1.52E-05	2.60E-05	5.27E-06
Stockpile Ventilation Fan	SP_FAN	Horizontal, through building sidewall	24	5.19			NA	15.00	380	0.66	15.20	288.15	3.12	2.59	1.03	-	-	-	-	-	2.28E-05	1.91E-06	2.35E-04	6.62E-05	6.49E-07	2.05E-05	7.72E-05	6.68E-05	8.76E-05	3.27E-07	2.90E-05	4.40E-05	4.78E-05	7.38E-05	6.27E-05	1.07E-04	2.17E-05
Carbon Regeneration Kiln	CREGEN	Verical, through building sidewall	16	0.60			NA	2.09	380	0.30	8.50	288.15	0.12	0.10	0.04	-	-	-	-	5.56E-04	8.76E-07	7.34E-08	9.04E-06	2.55E-06	2.50E-05	7.88E-07	2.97E-06	2.57E-06	3.37E-06	1.26E-08	1.12E-06	1.69E-06	1.84E-06	2.84E-06	2.41E-06	4.13E-06	8.37E-07
Total													***5.91***	***5.24***	***3.30***	***0.00***	***0.00***	***0.00***	***8.96***	***0.11***	***4.31E-05***	***3.61E-06***	***4.45E-04***	***1.25E-04***	***2.62E-05***	***3.88E-05***	***1.46E-04***	***1.27E-04***	***1.66E-04***	***6.20E-07***	***5.49E-05***	***8.34E-05***	***9.06E-05***	***1.40E-04***	***1.19E-04***	***2.03E-04***	***4.12E-05***

Daily/Annual Max Emissions

Source	Source ID	Operating Schedule hrs/day	Exhaust Flow m3/s	Location (m)		Adjusted Heights - based on building heights (bh+0.3 m)* m	Provided Stack Height m	Base Elevation m	Stack Diameter m	Velocity m/s	Temperature K	Emission Rates (g/s)																												
				UTM X	UTM-Y							TSP	PM10	PM2.5	NOX	SO2	CO	HCN	NH3	As	Cd	Cu	Pb	Hg	Ni	Zn	Ba	Sr	Be	Cobalt	Li	Sb	Sn	Se	Cr	Bi
												N/A-1	N/A-2	N/A-3	10102-44-0	7446-09-5	630-08-0	74-90-8	7664-41-7	7440-38-2	7440-43-9	7440-50-8	7439-92-1	7439-97-6	7440-02-0	7440-66-6	7440-39-3	7440-24-6	7440-41-7	7440-48-4	7439-93-2	7440-36-0	7440-31-5	7782-49-2	7440-47-3	7440-69-9
Acid wash exhaust fan	AW_EXH	4	0.89	See model input worksheet		NA	10.00	380	0.30	12.59	288.15	0.089	0.074	0.029	-	-	-	-	-	6.50E-07	5.44E-08	6.70E-06	1.89E-06	1.85E-08	5.84E-07	2.20E-06	1.91E-06	2.50E-06	9.35E-09	8.28E-07	1.26E-06	1.36E-06	2.11E-06	1.79E-06	3.06E-06	6.21E-07
Lime dust fan	LD_FAN	4	0.28			baghouse	8.78	380	0.15	16.01	288.15	0.028	0.028	0.028	-	-	-	-	-	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
Sodium cyanide dust fan	NACN_FAN	4	0.28			baghouse	9.25	380	0.15	16.01	288.15	0.028	0.028	0.028	-	-	-	1.49	-	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
Copper sulphate exhaust fan	CS_FAN	4	0.28			baghouse	2.42	380	0.15	16.01	288.15	0.028	0.028	0.028	-	-	-	-	-	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
Sodium metabisulphite exhaust fan	SMBS_FAN	4	0.28			baghouse	8.02	380	0.15	16.01	288.15	0.028	0.028	0.028	-	-	-	-	-	2.07E-07	1.73E-08	2.13E-06	6.01E-07	5.90E-09	1.86E-07	7.01E-07	6.07E-07	7.95E-07	2.97E-09	2.63E-07	4.00E-07	4.34E-07	6.70E-07	5.69E-07	9.74E-07	1.97E-07
PAX exhaust fan	PAX_FAN	24	0.28			baghouse	8.91	380	0.15	16.01	288.15	0.17	0.17	0.17	-	-	-	-	-	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
Lime silo baghouse fan	LBH_FAN	24	0.28			baghouse	11.75	380	0.15	16.01	288.15	0.17	0.17	0.17	-	-	-	-	-	1.24E-06	1.04E-07	1.28E-05	3.61E-06	3.54E-08	1.12E-06	4.21E-06	3.64E-06	4.77E-06	1.78E-08	1.58E-06	2.40E-06	2.60E-06	4.02E-06	3.42E-06	5.84E-06	1.18E-06
Drying oven extraction fan	DRYOVEN	12	0.60			NA	4.54	380	0.30	8.49	323.15	0.060	0.050	0.020	-	-	-	-	-	4.38E-07	3.67E-08	4.52E-06	1.28E-06	1.25E-08	3.94E-07	1.49E-06	1.29E-06	1.69E-06	6.30E-09	5.58E-07	8.47E-07	9.20E-07	1.42E-06	1.21E-06	2.06E-06	4.19E-07
Elution ew extraction fan	ELUTION	16	0.60			baghouse	9.49	380	0.30	8.49	323.15	0.080	0.080	0.080	-	-	-	-	0.04	5.84E-07	4.89E-08	6.03E-06	1.70E-06	1.67E-08	5.25E-07	1.98E-06	1.71E-06	2.25E-06	8.40E-09	7.44E-07	1.13E-06	1.23E-06	1.89E-06	1.61E-06	2.75E-06	5.58E-07
ICU ew extraction fan	EW_FAN	16	0.60			baghouse	9.49	380	0.30	8.49	323.15	0.080	0.080	0.080	-	-	-	-	0.04	5.84E-07	4.89E-08	6.03E-06	1.70E-06	1.67E-08	5.25E-07	1.98E-06	1.71E-06	2.25E-06	8.40E-09	7.44E-07	1.13E-06	1.23E-06	1.89E-06	1.61E-06	2.75E-06	5.58E-07
Barring Furnace Exhaust Stack	BARFURN	4	3.78			baghouse	10.00	380	0.66	11.00	353.15	0.13	0.13	0.13	-	-	-	-	-	9.20E-07	7.71E-08	9.49E-06	2.68E-06	2.63E-08	8.27E-07	3.12E-06	2.70E-06	3.54E-06	1.32E-08	1.17E-06	1.78E-06	1.93E-06	2.98E-06	2.53E-06	4.34E-06	8.79E-07
Stockpile Ventilation Fan	SP_FAN	24	5.19			NA	15.00	380	0.66	15.20	288.15	3.12	2.59	1.03	-	-	-	-	-	2.28E-05	1.91E-06	2.35E-04	6.62E-05	6.49E-07	2.05E-05	7.72E-05	6.68E-05	8.76E-05	3.27E-07	2.90E-05	4.40E-05	4.78E-05	7.38E-05	6.27E-05	1.07E-04	2.17E-05
Carbon Regeneration Kiln	CREGEN	16	0.60			NA	2.09	380	0.30	8.50	288.15	0.080	0.066	0.026	-	-	-	-	5.56E-04	5.84E-07	4.89E-08	6.03E-06	1.70E-06	1.67E-05	5.25E-07	1.98E-06	1.71E-06	2.25E-06	8.40E-09	7.44E-07	1.13E-06	1.23E-06	1.89E-06	1.61E-06	2.75E-06	5.58E-07
Total												***4.08***	***3.52***	***1.84***	***0.00***	***0.00***	***0.00***	***1.49***	***0.07***	***2.98E-05***	***2.50E-06***	***3.08E-04***	***8.68E-05***	***1.75E-05***	***2.68E-05***	***1.01E-04***	***8.76E-05***	***1.15E-04***	***4.29E-07***	***3.80E-05***	***5.77E-05***	***6.26E-05***	***9.67E-05***	***8.22E-05***	***1.41E-04***	***2.85E-05***

Annual Emissions (t/a)

Source	TSP	PM10	PM2.5	NOX	SO2	CO	HCN	NH3	As	Cd	Cu	Pb	Hg	Ni	Zn	Ba	Sr	Be	Cobalt	Li	Sb	Sn	Se	Cr	Bi
	N/A-1	N/A-2	N/A-3	10102-44-0	7446-09-5	630-08-0	74-90-8	7664-41-7	7440-38-2	7440-43-9	7440-50-8	7439-92-1	7439-97-6	7440-02-0	7440-66-6	7440-39-3	7440-24-6	7440-41-7	7440-48-4	7439-93-2	7440-36-0	7440-31-5	7782-49-2	7440-47-3	7440-69-9
Acid wash exhaust fan	2.81	2.33	0.926	--	--	--	--	--	2.05E-05	1.72E-06	2.11E-04	5.96E-05	5.85E-07	1.84E-05	6.95E-05	6.02E-05	7.89E-05	2.95E-07	2.61E-05	3.96E-05	4.30E-05	6.64E-05	5.65E-05	9.66E-05	1.96E-05
Lime dust fan	0.892	0.892	0.892	--	--	--	--	--	6.52E-06	5.46E-07	6.72E-05	1.90E-05	1.86E-07	5.86E-06	2.21E-05	1.91E-05	2.51E-05	9.37E-08	8.30E-06	1.26E-05	1.37E-05	2.11E-05	1.80E-05	3.07E-05	6.22E-06
Sodium cyanide dust fan	0.892	0.892	0.892	--	--	--	47.1	--	6.52E-06	5.46E-07	6.72E-05	1.90E-05	1.86E-07	5.86E-06	2.21E-05	1.91E-05	2.51E-05	9.37E-08	8.30E-06	1.26E-05	1.37E-05	2.11E-05	1.80E-05	3.07E-05	6.22E-06
Copper sulphate exhaust fan	0.892	0.892	0.892	--	--	--	--	--	6.52E-06	5.46E-07	6.72E-05	1.90E-05	1.86E-07	5.86E-06	2.21E-05	1.91E-05	2.51E-05	9.37E-08	8.30E-06	1.26E-05	1.37E-05	2.11E-05	1.80E-05	3.07E-05	6.22E-06
Sodium metabisulphite exhaust fan	0.892	0.892	0.892	--	--	--	--	--	6.52E-06	5.46E-07	6.72E-05	1.90E-05	1.86E-07	5.86E-06	2.21E-05	1.91E-05	2.51E-05	9.37E-08	8.30E-06	1.26E-05	1.37E-05	2.11E-05	1.80E-05	3.07E-05	6.22E-06
PAX exhaust fan	5.35	5.35	5.35	--	--	--	--	--	3.91E-05	3.28E-06	4.03E-04	1.14E-04	1.12E-06	3.52E-05	1.33E-04	1.15E-04	1.50E-04	5.62E-07	4.98E-05	7.56E-05	8.21E-05	1.27E-04	1.08E-04	1.84E-04	3.73E-05
Lime silo baghouse fan	5.35	5.35	5.35	--	--	--	--	--	3.91E-05	3.28E-06	4.03E-04	1.14E-04	1.12E-06	3.52E-05	1.33E-04	1.15E-04	1.50E-04	5.62E-07	4.98E-05	7.56E-05	8.21E-05	1.27E-04	1.08E-04	1.84E-04	3.73E-05
Drying oven extraction fan	1.89	1.57	0.62	--	--	--	--	--	1.38E-05	1.16E-06	1.43E-04	4.02E-05	3.94E-07	1.24E-05	4.69E-05	4.06E-05	5.32E-05	1.99E-07	1.76E-05	2.67E-05	2.90E-05	4.48E-05	3.81E-05	6.51E-05	1.32E-05
Elution ew extraction fan	2.52	2.52	2.52	--	--	--	--	1.17	1.84E-05	1.54E-06	1.90E-04	5.36E-05	5.26E-07	1.66E-05	6.25E-05	5.41E-05	7.09E-05	2.65E-07	2.35E-05	3.56E-05	3.87E-05	5.97E-05	5.08E-05	8.68E-05	1.76E-05
ICU ew extraction fan	2.52	2.52	2.52	--	--	--	--	1.17	1.84E-05	1.54E-06	1.90E-04	5.36E-05	5.26E-07	1.66E-05	6.25E-05	5.41E-05	7.09E-05	2.65E-07	2.35E-05	3.56E-05	3.87E-05	5.97E-05	5.08E-05	8.68E-05	1.76E-05
Barring Furnace Exhaust Stack	3.97	3.97	3.97	--	--	--	--	--	2.90E-05	2.43E-06	2.99E-04	8.44E-05	8.28E-07	2.61E-05	9.84E-05	8.52E-05	1.12E-04	4.17E-07	3.70E-05	5.61E-05	6.09E-05	9.40E-05	7.99E-05	1.37E-04	2.77E-05
Stockpile Ventilation Fan	98.3	81.6	32.4	--	--	--	--	--	7.17E-04	6.01E-05	7.40E-03	2.09E-03	2.05E-05	6.45E-04	2.43E-03	2.11E-03	2.76E-03	1.03E-05	9.14E-04	1.39E-03	1.51E-03	2.33E-03	1.98E-03	3.38E-03	6.86E-04
Carbon Regeneration Kiln	2.52	2.09	0.833	--	--	--	--	0.0117	1.84E-05	1.54E-06	1.90E-04	5.36E-05	5.26E-04	1.66E-05	6.25E-05	5.41E-05	7.09E-05	2.65E-07	2.35E-05	3.56E-05	3.87E-05	5.97E-05	5.08E-05	8.68E-05	1.76E-05
Total	***129***	***111***	***58.1***	-	-	-	***47.1***	***2.35***	***9.4E-04***	***7.9E-05***	***9.7E-03***	***2.7E-03***	***5.5E-04***	***8.5E-04***	***3.2E-03***	***2.8E-03***	***3.6E-03***	***1.4E-05***	***1.2E-03***	***1.8E-03***	***2.0E-03***	***3.0E-03***	***2.6E-03***	***4.4E-03***	***9.0E-04***

* The AW_EXH and NACN_FAN locations confirmed and release heights were increased to be above the building heights, by 0.3 m, based on discussion with Ausenco (design engineer Jared Dietrich) on July 22, 2020.
During the discussion the adjacent building heights were confirmed and the release points would range between 0.3 to 0.5 m above the roof.

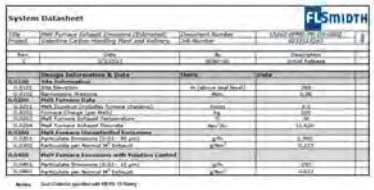
2023 Updated Emissions Info

	Emissions (kg/hr)		
Source	PM (>5 um)	NH3	Hg
Carbon Regeneration Kiln - WO Hg Abatement	0.375	2.00E-03	NA
Carbon Regeneration Kiln - with Hg Abatement	0.001	2.00E-03	1.70E-05
Carbon Regeneration Kiln - Orig EIS Est (hrly)	0.432	0	9.01E-05
Carbon Regeneration Kiln - Orig EIS Est (16hrs daily)	0.288	0	6.01E-05
	PM (0.03-50 um)	NH3	Hg
Melt Furnace Exhaust - WO Control	2.5	NA	NA
Melt Furnace Exhaust - with Control	0.25	NA	NA
Barring Furnace - Orig EIS Est (hrly)	2.72	0	5.67E-07
Barring Furnace - Orig EIS Est (4hrs daily)	0.45	0	9.45E-08
Electrowinning Exhaust Emissions	NA	0.4	NA
Elution Electrowinning Extraction Fan - Orig EIS (hrly)	0.43	0.20	9.00E-08
Elution Electrowinning Extraction Fan - Orig EIS (16hrs daily)	0.29	0.13	6.00E-08
ICU Electrowinning Extraction Fan - Orig EIS (hrly)	0.43	0.20	9.00E-08
ICU Electrowinning Extraction Fan - Orig EIS (16hrs daily)	0.29	0.13	6.00E-08

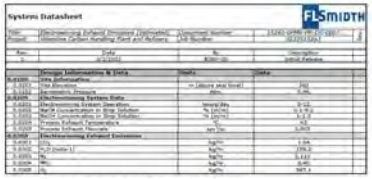

System Datasheet

FLSmidth

document needs to be updated with confirmation of inclusion of Hg abatement system


System Datasheet

FLSmidth


System Datasheet

FLSmidth

Electrowinning Emissions

Dust, trace metals and ammonia emissions are expected from the electrowinning process. Dust and metals emissions are estimated in the "Processing Plant" worksheet, based on provided emissions info (from Marathon Gold) and provided ore specifications. Ammonia emissions are estimated using *Development and Selection of Ammonia Emission Factors* prepared for the USEPA by Battye, Battye, Overcash and Fudge, August 1994.

Emissions are estimated based on total ore processing rate. The NH3 emission rate is split between the two extraction fan exhausts serving the electrowinning process.

Ore processed 6800 t/day Y3 ore processing

Air Contaminant	CAS#	EF (kg/t)	Er (kg/hr)
Ammonia	7664-41-7	0.029	8.22

Carbon-in-Leach Circuit Emissions

Releases of HCN are expected from the CIL tanks due to volatilization of the HCN. Emissions of cyanide are expected to be released from the CIL tanks and HIC. Emissions are estimated based on the assumption that 1% of the total cyanide added to the circuit is lost through HCN volatilization, as presented in the Australian Government National Pollution Inventory (NPI) guide for gold ore processing (2006), referenced from Heath, et al. A method for measuring HCN(g) emissions from CIP/CIL tanks. 1998.

Emissions are assumed to be released from the Sodium cyanide dust fan exhaust.

NaCN consumed in CIL circuit	23.4	t/d	provided by Marathon Gold [1]
Operating time per day	4.0	hours	provided by Marathon Gold [1]

NaCN MW	49.01	kg/kgmol
HCN MW	27.03	kg/kgmol
volatilization of HCN	1	%

HCN Releases

Air Contaminants	CAS#	Er (kg/hr)
HCN	74-90-8	32.27

Carbon Regeneration Kiln Emissions

In addition to the dust (and trace metals within the dust) released from the kiln, mercury bound to the spent carbon is released in the kiln.

The mercury concentration from the provided heap leach/ore specification is in the calculation in absence of specific concentrations within the spent carbon.

The kiln is heated electrically, therefore, no combustion products are generated/released.

Kiln processing rate	300	kg/hr
Hg Concentration	0.3	ppm

Hg Releases	9.00E-05	kg/hr

Tailings Management Facility (TMF) - Fugitive Release Estimates from Wind Erosion of Tailing Beaches

Fugitive releases of particulate matter and bound trace metals resulting from wind erosion of tailings beaches are estimated. Release estimates of particulate matter are estimated on an hourly basis using the approximate area of the tailing beaches at the end of year 3 of operation (as shown in the "*Tailings Figures*" worksheet), hourly CALMET predicted winds and precipitation for the Project site and published emission factors from the US EPA AP-42 Chapter 13.2.5 Industrial Wind Erosion. Trace metal releases are estimated using the TSP release estimates and the combined heap leach specification (for Marathon and Leprechaun pits) as well as tailings composition for the Berry pit.

The maximum hourly, daily and annual average emissions are estimated using the hourly release estimates to include in the dispersion model. Additionally, wind speed (WSPS) emission scale factors are used in the model for consideration of hourly variable releases, where emissions only occur when wind speeds exceed the minimum threshold velocity resulting in fugitive releases from the TMF beach area.

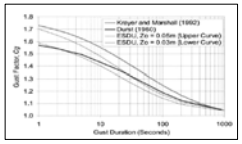
Estimated TMF beaches area 220431 m^2

estimated based on TMF Figures (end of Year 3), see *Tailings Figures* worksheet
and discussions with Marathon Gold: ~50% of area (for end of year) is assumed wet at a given time
Area calculated using Figures and Lakes Environmental AERMODView Software

Emissions Estimates

Air Contaminant	CAS#	Maximum Emissions g/m²s Hourly	g/m²s Daily	g/m²s Annual Average	g/s Hourly	g/s Daily	g/s Annual Average	Annual Emissions (t/a) (average 2017-2019)
TSP	N/A-1	6.19E-03	3.58E-03	6.05E-05	1,364	789	13.34	348
PM10	N/A-2	3.09E-03	1.79E-03	3.03E-05	682	395	6.67	174
PM2.5	N/A-3	4.64E-04	2.69E-04	4.54E-06	102.3	59.2	1.00	26.1
As	7440-38-2	7.81E-06	4.52E-06	7.64E-10	1.72E-02	9.96E-03	1.68E-04	4.39E-03
Cd	7440-43-9	5.28E-09	3.06E-09	5.17E-11	1.16E-03	6.74E-04	1.14E-05	2.97E-04
Cu	7440-50-8	1.10E-06	6.34E-07	1.07E-08	2.42E-01	1.40E-01	2.36E-03	6.16E-02
Pb	7439-92-1	1.13E-07	6.51E-08	1.10E-09	2.48E-02	1.44E-02	2.43E-04	6.32E-03
Hg	7439-97-6	1.34E-09	7.76E-10	1.31E-11	2.96E-04	1.71E-04	2.89E-06	7.53E-05
Ni	7440-02-0	1.41E-07	8.18E-08	1.38E-09	3.11E-02	1.80E-02	3.05E-04	7.94E-03
Zn	7440-66-6	2.76E-07	1.59E-07	2.70E-09	6.07E-02	3.51E-02	5.94E-04	1.55E-02
Ba	7440-39-3	4.34E-07	2.51E-07	4.24E-09	9.56E-02	5.53E-02	9.35E-04	2.44E-02
Sr	7440-24-6	3.10E-07	1.79E-07	3.03E-09	6.82E-02	3.95E-02	6.68E-04	1.74E-02
Be	7440-41-7	9.81E-10	5.68E-10	9.60E-12	2.16E-04	1.25E-04	2.12E-06	5.51E-05
Cobalt	7440-48-4	3.39E-08	1.96E-08	3.32E-10	7.48E-03	4.33E-03	7.32E-05	1.91E-03
Li	7439-93-2	8.07E-08	4.67E-08	7.89E-10	1.78E-02	1.03E-02	1.74E-04	4.53E-03
Sb	7440-36-0	8.46E-08	4.89E-08	8.27E-10	1.86E-02	1.08E-02	1.82E-04	4.75E-03
Sn	7440-31-5	1.36E-07	7.84E-08	1.33E-09	2.99E-02	1.73E-02	2.92E-04	7.61E-03
Se	7782-49-2	1.55E-07	8.99E-08	1.52E-09	3.43E-02	1.98E-02	3.35E-04	8.73E-03
Cr	7440-47-3	6.96E-07	4.03E-07	6.81E-09	1.53E-01	8.88E-02	1.50E-03	3.91E-02
Bi	7440-69-9	5.49E-08	3.17E-08	5.37E-10	1.21E-02	7.00E-03	1.18E-04	3.08E-03

The Fastest Mile Wind is higher than the average hourly wind speed.
A correction factor of 1.26 corresponding to 60 s averaging period to correct the hourly wind speed based on the Durst Curve (wind speed variation with averaging period)



Hourly Fugitive Emission calcs for TMF dust

Based on information from previous work, 50% of the material is assumed below 10 um.
Threshold friction velocity and roughness height is for scraper tracks on coal pile taken from AP 42 , Table 13.2.5-2.
This helps account for the crusting of the material.

				TMF	
Anemometer Height (m)	=	10	u*	0.62	Threshold friction velocity
Threshold friction Velocity u_t^* (m/s)	=	0.62	u+	11.70	Fastest Mile Wind
Roughness Height (m)	=	0.06	u	9.28	Threshold hourly average wind
Surface Area (m^2)	=	220,431.00			

Required Information fields
Values only calculated when Actual Friction Vel. (u*) is greater than threshold friction velocity u_t^*
No wind erosion occurs, therefore set to 0

Average Threshold Ws (	13.61699606	1324	102
Min Threshold Ws (m/s	9.285	1790	1789

CALPUFF Wind Speed Classes

Wind Speeds (m/s) used for defining upper bound of
categories for emissions scale-factors
5 upper bounds (m/s) are entered; the 6th class has no upper limit
(WSCAT(5)) Default :
ISC RURAL : 1.54, 3.09, 5.14, 8.23, 10.8 (10.8+)

Wind Speed Class : 1 2 3 4 5

! WSCAT = 1.54, 3.09, 5.14, 8.23, 10.80 !

Based on the minimum threshold wind speed, emissions are assumed to occur for wind speed classes 5 and 6 (based on CPUFF model default Ws classes).

The following table presents the hourly emission rates for the first month of the model, the remaining period is available upon request.

Date mmddyyyy hh	Assumed Fastest Mile (hourly CALMET predicted winds) u_t (m/s)	Fastest Mile u_{10} (m/s)	Actual Friction Velocity u* $u^*=0.053*u10*$	Erosion Potential P (g/m^2)	TPM Emission (g/m2)	PM10 Emission (g/m2)	PM2.5 Emission (g/m2)	Emission Rate TPM Corrected for Precip g/s	Emission Rate PM10 Corrected for Precip g/s	Emission Rate PM2.5 Corrected for Precip g/s	Emission Flux TPM g/m²s	Emission Flux PM10 g/m²s	Emission Flux PM2.5 g/m²s	Precip occurring 1 non occurring 0
01/01/2017 00	4.191	5.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	4.263	5.37	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	4.497	5.67	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	4.59	5.78	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	4.324	5.45	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	4.005	5.05	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	3.724	4.69	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	3.52	4.44	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	3.346	4.22	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	3.062	3.86	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	3.666	4.62	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	4.862	6.13	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	5.539	6.98	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	6.434	8.11	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	6.14	7.74	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	6.259	7.89	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0
01/01/2017 00	6.526	8.22	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0

1/1/2017	2017	1/1/2017
1/1/2017	2017	1/2/2017
1/1/2017	2017	1/3/2017
1/1/2017	2017	1/4/2017
1/1/2017	2017	1/5/2017
1/1/2017	2017	1/6/2017
1/1/2017	2017	1/7/2017
1/1/2017	2017	1/8/2017
1/1/2017	2017	1/9/2017
1/1/2017	2017	1/10/2017
1/1/2017	2017	1/11/2017
1/1/2017	2017	1/12/2017
1/1/2017	2017	1/13/2017
1/1/2017	2017	1/14/2017
1/1/2017	2017	1/15/2017
1/1/2017	2017	1/16/2017
1/1/2017	2017	1/17/2017

Daily Average Emissions

Date	Emissions (g/m2s) TSP	PM10	PM2.5
1/1/2017	2.79066E-05	1.36033E-05	2.04E-06
1/2/2017	0	0	0
1/3/2017	0	0	0
1/4/2017	7.19094E-05	3.58547E-05	5.39321E-06
1/5/2017	1.69351E-05	8.46753E-06	1.27013E-06
1/6/2017	0	0	0
1/7/2017	0	0	0
1/8/2017	0	0	0
1/9/2017	0	0	0
1/10/2017	0	0	0
1/11/2017	0.000123506	6.17529E-05	9.26293E-06
1/12/2017	2.02354E-05	1.01177E-05	1.51765E-06
1/13/2017	0.000367887	0.000183943	2.75915E-05
1/14/2017	0.000649187	0.000324593	4.8689E-05
1/15/2017	0	0	0
1/16/2017	0	0	0
1/17/2017	0	0	0

Annual Average Emissions

Year	Emissions (g/m2s) TSP	PM10	PM2.5
2017	4.68E-05	2.34E-05	3.51E-06
2018	4.27E-05	2.14E-05	3.20E-06
2019	6.05E-05	3.03E-05	4.54E-06

Emissions in tonnes/hr

TSP	PM10	PM2.5
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

01/01/2017 00	8.805	11.09	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/1/2017	2017	1/18/2017	0	0	0	0	0	0
01/01/2017 00	9.649	12.16	0.64	0.64	0.64	0.32	0.05	39.40	19.70	2.95	1.79E-04	8.94E-05	1.34E-05	0	1/1/2017	2017	1/19/2017	0	0	0	0.141831	0.070915	0.010637
01/01/2017 00	10.186	12.83	0.68	1.72	1.72	0.86	0.13	105.06	52.53	7.88	4.77E-04	2.38E-04	3.57E-05	0	1/1/2017	2017	1/20/2017	0	0	0	0.378231	0.189115	0.028367
01/01/2017 00	10.177	12.82	0.68	1.70	1.70	0.85	0.13	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/1/2017	2017	1/21/2017	0	0	0	0	0	0
01/01/2017 00	9.07	11.43	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/1/2017	2017	1/22/2017	0	0	0	0	0	0
01/01/2017 00	7.622	9.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/1/2017	2017	1/23/2017	0	0	0	0	0	0
01/01/2017 00	7.803	9.83	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/1/2017	2017	1/24/2017	0	0	0	0	0	0
01/02/2017 00	7.902	9.96	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	1/25/2017	3.00554E-05	1.50277E-05	2.25415E-06	0	0	0
01/02/2017 00	6.62	8.34	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	1/26/2017	0	0	0	0	0	0
01/02/2017 00	5.477	6.90	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	1/27/2017	0	0	0	0	0	0
01/02/2017 00	3.778	4.76	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	1/28/2017	1.81127E-05	9.05637E-06	1.35845E-06	0	0	0
01/02/2017 00	4.46	5.62	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	1/29/2017	4.107E-05	2.0535E-05	3.08025E-06	0	0	0
01/02/2017 00	3.737	4.71	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	1/30/2017	0	0	0	0	0	0
01/02/2017 00	3.425	4.32	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	1/31/2017	0	0	0	0	0	0
01/02/2017 00	3.695	4.66	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/1/2017	0	0	0	0	0	0
01/02/2017 00	3.396	4.28	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/2/2017	0	0	0	0	0	0
01/02/2017 00	5.679	7.16	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/3/2017	3.5911E-06	1.79555E-06	2.69332E-07	0	0	0
01/02/2017 00	7.261	9.15	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/4/2017	0	0	0	0	0	0
01/02/2017 00	8.327	10.49	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/5/2017	0	0	0	0	0	0
01/02/2017 00	8.366	10.54	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/6/2017	0.000257525	0.000128762	1.93144E-05	0	0	0
01/02/2017 00	9.182	11.57	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/7/2017	0.00026344	0.00013172	1.9758E-05	0	0	0
01/02/2017 00	7.585	9.56	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/8/2017	0	0	0	0	0	0
01/02/2017 00	6.897	8.69	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/9/2017	7.27517E-06	3.63759E-06	5.45638E-07	0	0	0
01/02/2017 00	6.479	8.16	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/10/2017	0.000734025	0.000367012	5.50519E-05	0	0	0
01/02/2017 00	6.692	8.43	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/11/2017	0	0	0	0	0	0
01/02/2017 00	6.89	8.68	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/12/2017	0	0	0	0	0	0
01/02/2017 00	6.577	8.29	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/13/2017	0.000108135	5.40674E-05	8.11012E-06	0	0	0
01/02/2017 00	7.537	9.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/14/2017	0.000545125	0.000272562	4.08844E-05	0	0	0
01/02/2017 00	7.658	9.65	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/15/2017	2.70957E-05	1.35479E-05	2.03218E-06	0	0	0
01/02/2017 00	7.638	9.62	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/16/2017	0.000116283	5.81415E-05	8.72122E-06	0	0	0
01/02/2017 00	7.129	8.98	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/2/2017	2017	2/17/2017	0.000401946	0.000200973	3.01459E-05	0	0	0
01/03/2017 00	6.618	8.34	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/18/2017	5.58655E-07	2.79327E-07	4.18991E-08	0	0	0
01/03/2017 00	6.475	8.16	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/19/2017	0	0	0	0	0	0
01/03/2017 00	6.359	8.01	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/20/2017	0	0	0	0	0	0
01/03/2017 00	6.41	8.08	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/21/2017	0	0	0	0	0	0
01/03/2017 00	6.411	8.08	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/22/2017	0	0	0	0	0	0
01/03/2017 00	6.384	8.04	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/23/2017	0	0	0	0	0	0
01/03/2017 00	6.334	7.98	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/24/2017	0	0	0	0	0	0
01/03/2017 00	6.227	7.85	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/25/2017	0	0	0	0	0	0
01/03/2017 00	6.159	7.76	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/26/2017	9.72306E-05	4.86153E-05	7.2923E-06	0	0	0
01/03/2017 00	6.215	7.83	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/27/2017	5.54687E-05	2.77344E-05	4.16016E-06	0	0	0
01/03/2017 00	6.22	7.84	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	2/28/2017	5.73059E-05	2.86529E-05	4.29794E-06	0	0	0
01/03/2017 00	6.23	7.85	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/1/2017	0.000196885	9.84425E-05	1.47664E-05	0	0	0
01/03/2017 00	5.771	7.27	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/2/2017	0	0	0	0	0	0
01/03/2017 00	5.41	6.82	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/3/2017	0.000419568	0.000209784	3.14676E-05	0	0	0
01/03/2017 00	4.975	6.27	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/4/2017	0.000405751	0.000202876	3.04314E-05	0	0	0
01/03/2017 00	4.141	5.22	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/5/2017	0.000511948	0.000255974	3.83961E-05	0	0	0
01/03/2017 00	4.083	5.14	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/6/2017	4.42473E-05	2.21237E-05	3.31855E-06	0	0	0
01/03/2017 00	3.548	4.47	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/7/2017	0	0	0	0	0	0
01/03/2017 00	3.842	4.84	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/8/2017	0	0	0	0	0	0
01/03/2017 00	3.452	4.35	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/9/2017	0	0	0	0	0	0
01/03/2017 00	3.529	4.45	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/10/2017	0.00021796	0.00010898	1.6347E-05	0	0	0
01/03/2017 00	3.479	4.38	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/11/2017	0.000358094	0.000179047	2.6857E-05	0	0	0
01/03/2017 00	3.827	4.82	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/12/2017	0.00029997	0.000149985	2.24978E-05	0	0	0
01/03/2017 00	3.806	4.80	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/3/2017	2017	3/13/2017	0	0	0	0	0	0
01/04/2017 00	4.031	5.08	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/14/2017	0	0	0	0	0	0
01/04/2017 00	3.693	4.65	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/15/2017	8.94527E-06	4.47264E-06	6.70895E-07	0	0	0
01/04/2017 00	3.508	4.42	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/16/2017	2.19707E-05	1.09854E-05	1.6478E-06	0	0	0
01/04/2017 00	3.864	4.87	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/17/2017	0	0	0	0	0	0
01/04/2017 00	4.165	5.25	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/18/2017	0	0	0	0	0	0
01/04/2017 00	4.541	5.72	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/19/2017	0	0	0	0	0	0
01/04/2017 00	5.085	6.41	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/20/2017	0	0	0	0	0	0
01/04/2017 00	5.323	6.71	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/21/2017	0	0	0	0	0	0
01/04/2017 00	5.804	7.31	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/22/2017	0	0	0	0	0	0
01/04/2017 00	5.553	7.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/23/2017	0	0	0	0	0	0
01/04/2017 00	6.6	8.32	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/24/2017	0	0	0	0	0	0
01/04/2017 00	6.94	8.74	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/25/2017	0	0	0	0	0	0
01/04/2017 00	7.44	9.37	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/26/2017	5.00118E-05	2.50059E-05	3.75089E-06	0	0	0
01/04/2017 00	7.553	9.52	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/27/2017	0	0	0	0	0	0
01/04/2017 00	8.136	10.25	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/4/2017	2017	3/28/2017	0	0	0	0	0	0
01/04/2017 00	10.91	13.75	0.73	3.40	3.40	1.70	0.25	208.06	104.03	15.60	9.44E-04	4.72E-04	7.08E-05	0	1/4/2017	2017	3/29/2017	0	0	0	0.749006	0.374503	0.056175
01/04/2017 00	10.672	13.45	0.71	2.82	2.82	1.41	0.21	172.37	86.18	12.93	7.82E-04	3.91E-04	5.86E-05	0	1/4/2017	2017	3/30/2017	0	0	0	0.620526	0.310263	0.046539
01/04/2017 00	12.593	15.87	0.84	8.36	8.36	4.18	0.63	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/4/2017	2017	3/31/2017	0	0	0	0	0	0
01/04/2017 00	13.029	16.42	0.87	9.88	9.88	4.94	0.74	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/4/2017	2017	4/1/2017	0	0	0	0	0	0
01/04/2017 00	12.347	15.56	0.82	7.54	7.54	3.77	0.57	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/4/2017	2017	4/2/2017	0	0	0	0	0	0
01/04/2017 00	10.756	13.55	0.72	3.02	3.02	1.51	0.23	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/4/2017	2017	4/3/2017	0.000311128	0.000155564	2.33346E-05	0	0	0
01/04/2017 00	10.339	13.03	0.69	2.05	2.05	1.02	0.15	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/4/2017	2017	4/4/2017	0.000939774	0.000469887	7.04831E-05	0	0	0
01/04/2017 00	10.247	12.91	0.68	1.85	1.85	0.92	0.14	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/4/2017	2017	4/5/2017	0	0	0	0	0	0
01/04/2017 00	10.246	12.91	0.68	1.84	1.84	0.92	0.14	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/4/2017	2017	4/6/2017	0	0	0	0	0	0
01/05/2017 00	9.162	11.54	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/5/2017	2017	4/7/2017	0.000217205	0.000108603	1.62904E-05	0	0	0
01/05/2017 00	9.065	11.42	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/8/2017	0	0	0	0	0	0
01/05/2017 00	9.14	11.52	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/9/2017	0	0	0	0	0	0
01/05/2017 00	8.184	10.31	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/10/2017	0	0	0	0	0	0
01/05/2017 00	7.422	9.35	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/11/2017	0	0	0	0	0	0
01/05/2017 00	6.442	8.12	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/12/2017	0	0	0	0	0	0
01/05/2017 00	6.255	7.88	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/13/2017	0	0	0	0	0	0
01/05/2017 00	5.813	7.32	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/14/2017	0	0	0	0	0	0
01/05/2017 00	5.579	7.03	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/15/2017	0	0	0	0	0	0
01/05/2017 00	5.465	6.89	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/16/2017	0	0	0	0	0	0
01/05/2017 00	5.869	7.39	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/17/2017	0	0	0	0	0	0
01/05/2017 00	7.048	8.88	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/18/2017	0	0	0	0	0	0
01/05/2017 00	8.173	10.30	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/19/2017	0	0	0	0	0	0
01/05/2017 00	8.323	10.49	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/20/2017	0	0	0	0	0	0
01/05/2017 00	9.525	12.00	0.64	0.42	0.42	0.21	0.03	25.53	12.77	1.91	1.16E-04	5.79E-05	8.69E-06	0	1/5/2017	2017	4/21/2017	0	0	0	0.091916	0.045958	0.006894
01/05/2017 00	9.518	11.99	0.64	0.40	0.40	0.20	0.03	24.76	12.38	1.86	1.12E-04	5.62E-05	8.43E-06	0	1/5/2017	2017	4/22/2017	0	0	0	0.089151	0.044575	0.006686
01/05/2017 00	9.481	11.95	0.63	0.34	0.34	0.17	0.03	20.73	10.36	1.55	9.40E-05	4.70E-05	7.05E-06	0	1/5/2017	2017	4/23/2017	0	0	0	0.074626	0.037313	0.005597
01/05/2017 00	9.461	11.92	0.63	0.30	0.30	0.15	0.02	18.57	9.28	1.39	8.42E-05	4.21E-05	6.32E-06	0	1/5/2017	2017	4/24/2017	0	0	0	0.06684	0.03342	0.005013
01/05/2017 00	9.068	11.43	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/25/2017	0	0	0	0	0	0
01/05/2017 00	8.765	11.04	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/26/2017	0	0	0	0	0	0
01/05/2017 00	8.915	11.23	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/27/2017	0	0	0	0	0	0
01/05/2017 00	8.645	10.89	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/28/2017	0	0	0	0	0	0
01/05/2017 00	8.811	11.10	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/29/2017	0	0	0	0	0	0
01/05/2017 00	8.778	11.06	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/5/2017	2017	4/30/2017	1.69483E-05	8.47413E-06	1.27112E-06	0	0	0
01/06/2017 00	8.925	11.25	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/1/2017	0	0	0	0	0	0
01/06/2017 00	9.089	11.45	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/2/2017	0	0	0	0	0	0
01/06/2017 00	9.103	11.47	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/3/2017	0	0	0	0	0	0
01/06/2017 00	9.112	11.48	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/4/2017	6.21726E-06	3.10863E-06	4.66295E-07	0	0	0
01/06/2017 00	9.061	11.42	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/5/2017	0	0	0	0	0	0
01/06/2017 00	9.145	11.52	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/6/2017	0	0	0	0	0	0
01/06/2017 00	9.082	11.44	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/7/2017	0	0	0	0	0	0
01/06/2017 00	8.706	10.97	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/8/2017	0	0	0	0	0	0
01/06/2017 00	8.226	10.36	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/9/2017	0	0	0	0	0	0
01/06/2017 00	8.692	10.95	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/10/2017	0	0	0	0	0	0
01/06/2017 00	8.558	10.78	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/11/2017	0	0	0	0	0	0
01/06/2017 00	8.525	10.74	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/12/2017	0	0	0	0	0	0
01/06/2017 00	7.807	9.84	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/13/2017	0	0	0	0	0	0
01/06/2017 00	6.827	8.60	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/14/2017	0	0	0	0	0	0
01/06/2017 00	6.472	8.15	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/15/2017	0	0	0	0	0	0
01/06/2017 00	5.592	7.05	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/16/2017	0	0	0	0	0	0
01/06/2017 00	4.552	5.74	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/17/2017	0	0	0	0	0	0
01/06/2017 00	5.142	6.48	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/6/2017	2017	5/18/2017	0	0	0	0	0	0
01/06/2017 00	5.065	6.38	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/6/2017	2017	5/19/2017	0	0	0	0	0	0
01/06/2017 00	4.352	5.48	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/20/2017	0.00021597	0.000107985	1.61977E-05	0	0	0
01/06/2017 00	5.256	6.62	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/6/2017	2017	5/21/2017	0.00018356	9.17799E-05	1.3767E-05	0	0	0
01/06/2017 00	4.704	5.93	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/22/2017	0	0	0	0	0	0
01/06/2017 00	4.304	5.42	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/23/2017	0	0	0	0	0	0
01/06/2017 00	3.43	4.32	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/6/2017	2017	5/24/2017	0	0	0	0	0	0
01/07/2017 00	2.753	3.47	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/7/2017	2017	5/25/2017	0	0	0	0	0	0
01/07/2017 00	2.852	3.59	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	5/26/2017	0	0	0	0	0	0
01/07/2017 00	4.041	5.09	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	5/27/2017	0	0	0	0	0	0
01/07/2017 00	4.113	5.18	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	5/28/2017	0	0	0	0	0	0
01/07/2017 00	3.963	4.99	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	5/29/2017	0	0	0	0	0	0
01/07/2017 00	3.549	4.47	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	5/30/2017	0	0	0	0	0	0
01/07/2017 00	4.125	5.20	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	5/31/2017	0	0	0	0	0	0
01/07/2017 00	4.492	5.66	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/1/2017	0	0	0	0	0	0

01/07/2017 00	4.587	5.78	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/2/2017	0	0	0	0	0	0
01/07/2017 00	5.625	7.09	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/3/2017	0	0	0	0	0	0
01/07/2017 00	6.242	7.86	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/4/2017	0	0	0	0	0	0
01/07/2017 00	6.76	8.52	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/5/2017	0	0	0	0	0	0
01/07/2017 00	6.816	8.59	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/6/2017	0	0	0	0	0	0
01/07/2017 00	6.817	8.59	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/7/2017	0	0	0	0	0	0
01/07/2017 00	6.652	8.38	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/8/2017	0	0	0	0	0	0
01/07/2017 00	6.227	7.85	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/9/2017	0	0	0	0	0	0
01/07/2017 00	4.75	5.99	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/10/2017	0	0	0	0	0	0
01/07/2017 00	4.272	5.38	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/11/2017	5.58655E-07	2.79327E-07	4.18991E-08	0	0	0
01/07/2017 00	3.684	4.64	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/12/2017	0	0	0	0	0	0
01/07/2017 00	3.236	4.08	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/13/2017	0	0	0	0	0	0
01/07/2017 00	3.061	3.86	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/14/2017	0	0	0	0	0	0
01/07/2017 00	2.449	3.09	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/15/2017	0	0	0	0	0	0
01/07/2017 00	1.709	2.15	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/16/2017	0	0	0	0	0	0
01/07/2017 00	0.966	1.22	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/7/2017	2017	6/17/2017	0	0	0	0	0	0
01/08/2017 00	1.239	1.56	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	6/18/2017	0	0	0	0	0	0
01/08/2017 00	2.171	2.74	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	6/19/2017	0	0	0	0	0	0
01/08/2017 00	2.636	3.32	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	6/20/2017	0	0	0	0	0	0
01/08/2017 00	2.928	3.69	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/21/2017	0	0	0	0	0	0
01/08/2017 00	3.144	3.96	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/22/2017	0	0	0	0	0	0
01/08/2017 00	3.806	4.80	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/23/2017	0	0	0	0	0	0
01/08/2017 00	5.754	7.25	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/24/2017	0	0	0	0	0	0
01/08/2017 00	6.095	7.68	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/25/2017	0	0	0	0	0	0
01/08/2017 00	7.521	9.48	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/26/2017	0	0	0	0	0	0
01/08/2017 00	8.251	10.40	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/27/2017	0	0	0	0	0	0
01/08/2017 00	7.932	9.99	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/28/2017	0	0	0	0	0	0
01/08/2017 00	7.383	9.30	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/29/2017	0	0	0	0	0	0
01/08/2017 00	7.296	9.19	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	6/30/2017	0	0	0	0	0	0
01/08/2017 00	7.85	9.89	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/8/2017	2017	7/1/2017	0	0	0	0	0	0
01/08/2017 00	7.539	9.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/2/2017	0	0	0	0	0	0
01/08/2017 00	7.837	9.87	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/3/2017	0	0	0	0	0	0
01/08/2017 00	8.288	10.44	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/4/2017	0	0	0	0	0	0
01/08/2017 00	8.848	11.15	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/5/2017	0	0	0	0	0	0
01/08/2017 00	8.081	10.18	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/6/2017	0	0	0	0	0	0
01/08/2017 00	7.749	9.76	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/7/2017	0	0	0	0	0	0
01/08/2017 00	9.261	11.67	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/8/2017	0	0	0	0	0	0
01/08/2017 00	7.38	9.30	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/9/2017	0	0	0	0	0	0
01/08/2017 00	6.814	8.59	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/10/2017	0	0	0	0	0	0
01/08/2017 00	6.684	8.42	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/8/2017	2017	7/11/2017	0	0	0	0	0	0
01/09/2017 00	6.245	7.87	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/12/2017	0	0	0	0	0	0
01/09/2017 00	5.622	7.08	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/13/2017	0	0	0	0	0	0
01/09/2017 00	5.506	6.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/14/2017	0	0	0	0	0	0
01/09/2017 00	5.492	6.92	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/15/2017	0	0	0	0	0	0
01/09/2017 00	5.4	6.80	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/16/2017	0	0	0	0	0	0
01/09/2017 00	5.211	6.57	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/17/2017	0	0	0	0	0	0
01/09/2017 00	5.226	6.58	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/18/2017	0	0	0	0	0	0
01/09/2017 00	5.457	6.88	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/19/2017	0	0	0	0	0	0
01/09/2017 00	5.279	6.65	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/20/2017	0	0	0	0	0	0
01/09/2017 00	6.224	7.84	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/21/2017	0	0	0	0	0	0
01/09/2017 00	7.004	8.83	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/22/2017	0	0	0	0	0	0
01/09/2017 00	7.407	9.33	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/23/2017	0	0	0	0	0	0
01/09/2017 00	7.265	9.15	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/24/2017	0	0	0	0	0	0
01/09/2017 00	6.855	8.64	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/25/2017	0	0	0	0	0	0
01/09/2017 00	7.582	9.55	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/9/2017	2017	7/26/2017	0	0	0	0	0	0
01/09/2017 00	6.32	7.96	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/27/2017	0	0	0	0	0	0
01/09/2017 00	7.137	8.99	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/28/2017	0	0	0	0	0	0
01/09/2017 00	7.487	9.43	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/29/2017	0	0	0	0	0	0
01/09/2017 00	7.719	9.73	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/30/2017	0	0	0	0	0	0
01/09/2017 00	7.62	9.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	7/31/2017	0	0	0	0	0	0
01/09/2017 00	8.58	10.81	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	8/1/2017	0	0	0	0	0	0
01/09/2017 00	7.374	9.29	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	8/2/2017	0	0	0	0	0	0
01/09/2017 00	5.882	7.41	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	8/3/2017	0	0	0	0	0	0
01/09/2017 00	5.858	7.38	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/9/2017	2017	8/4/2017	0	0	0	0	0	0
01/10/2017 00	5.528	6.97	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/5/2017	0	0	0	0	0	0
01/10/2017 00	4.869	6.13	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/6/2017	0	0	0	0	0	0
01/10/2017 00	4.351	5.48	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/7/2017	0	0	0	0	0	0
01/10/2017 00	3.413	4.30	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/8/2017	0	0	0	0	0	0
01/10/2017 00	3.467	4.37	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/9/2017	0	0	0	0	0	0
01/10/2017 00	3.774	4.76	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/10/2017	0	0	0	0	0	0
01/10/2017 00	3.75	4.73	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/11/2017	0	0	0	0	0	0
01/10/2017 00	4.159	5.24	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/12/2017	0	0	0	0	0	0
01/10/2017 00	4.173	5.26	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/13/2017	0	0	0	0	0	0
01/10/2017 00	5.023	6.33	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/14/2017	0	0	0	0	0	0
01/10/2017 00	5.401	6.81	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/15/2017	0	0	0	0	0	0
01/10/2017 00	6.071	7.65	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/16/2017	0	0	0	0	0	0
01/10/2017 00	6.406	8.07	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/17/2017	0	0	0	0	0	0
01/10/2017 00	6.286	7.92	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/18/2017	0	0	0	0	0	0
01/10/2017 00	5.924	7.46	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/19/2017	0	0	0	0	0	0
01/10/2017 00	4.838	6.10	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/20/2017	0	0	0	0	0	0
01/10/2017 00	4.353	5.48	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/21/2017	0	0	0	0	0	0
01/10/2017 00	4.499	5.67	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/22/2017	0	0	0	0	0	0
01/10/2017 00	4.37	5.51	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/23/2017	0	0	0	0	0	0
01/10/2017 00	4.076	5.14	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/24/2017	0	0	0	0	0	0
01/10/2017 00	4.159	5.24	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/25/2017	0	0	0	0	0	0
01/10/2017 00	4.186	5.27	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/26/2017	0	0	0	0	0	0
01/10/2017 00	4.327	5.45	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/27/2017	0	0	0	0	0	0
01/10/2017 00	4.228	5.33	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/10/2017	2017	8/28/2017	0	0	0	0	0	0
01/11/2017 00	4.154	5.23	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	8/29/2017	0	0	0	0	0	0
01/11/2017 00	4.287	5.40	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	8/30/2017	0	0	0	0	0	0
01/11/2017 00	4.678	5.89	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	8/31/2017	0	0	0	0	0	0
01/11/2017 00	4.78	6.02	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/1/2017	0	0	0	0	0	0
01/11/2017 00	4.73	5.96	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/2/2017	0	0	0	0	0	0
01/11/2017 00	4.747	5.98	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/3/2017	0	0	0	0	0	0
01/11/2017 00	5.219	6.58	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/4/2017	0	0	0	0	0	0
01/11/2017 00	6.012	7.58	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/5/2017	0	0	0	0	0	0
01/11/2017 00	6.388	8.05	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/6/2017	0	0	0	0	0	0
01/11/2017 00	7.58	9.55	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/7/2017	0	0	0	0	0	0
01/11/2017 00	8.829	11.12	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/8/2017	0	0	0	0	0	0
01/11/2017 00	8.241	10.38	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/9/2017	0	0	0	0	0	0
01/11/2017 00	9.263	11.67	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/10/2017	0	0	0	0	0	0
01/11/2017 00	8.94	11.26	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/11/2017	0	0	0	0	0	0
01/11/2017 00	10.342	13.03	0.69	2.06	2.06	1.03	0.15	125.85	62.93	9.44	5.71E-04	2.85E-04	4.28E-05	0	1/11/2017	2017	9/12/2017	0	0	0	0.453069	0.226535	0.03398
01/11/2017 00	10.005	12.61	0.67	1.34	1.34	0.67	0.10	81.91	40.96	6.14	3.72E-04	1.86E-04	2.79E-05	0	1/11/2017	2017	9/13/2017	0	0	0	0.294876	0.147438	0.022116
01/11/2017 00	8.559	10.78	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/14/2017	0	0	0	0	0	0
01/11/2017 00	8.39	10.57	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/11/2017	2017	9/15/2017	0	0	0	0	0	0
01/11/2017 00	10.528	13.27	0.70	2.48	2.48	1.24	0.19	151.65	75.82	11.37	6.88E-04	3.44E-04	5.16E-05	0	1/11/2017	2017	9/16/2017	0	0	0	0.545927	0.272963	0.040945
01/11/2017 00	11.44	14.41	0.76	4.80	4.80	2.40	0.36	293.98	146.99	22.05	1.33E-03	6.67E-04	1.00E-04	0	1/11/2017	2017	9/17/2017	0	0	0	1.058323	0.529162	0.079374
01/11/2017 00	12.474	15.72	0.83	7.96	7.96	3.98	0.60	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/11/2017	2017	9/18/2017	0	0	0	0	0	0
01/11/2017 00	11.54	14.54	0.77	5.08	5.08	2.54	0.38	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/11/2017	2017	9/19/2017	0	0	0	0	0	0
01/11/2017 00	10.9	13.73	0.73	3.37	3.37	1.69	0.25	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/11/2017	2017	9/20/2017	0	0	0	0	0	0
01/11/2017 00	9.018	11.36	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/11/2017	2017	9/21/2017	0	0	0	0	0	0
01/12/2017 00	7.519	9.47	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/12/2017	2017	9/22/2017	0	0	0	0	0	0
01/12/2017 00	7.8	9.83	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	9/23/2017	5.50324E-06	2.75162E-06	4.12743E-07	0	0	0
01/12/2017 00	6.444	8.12	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	9/24/2017	0	0	0	0	0	0
01/12/2017 00	5.068	6.39	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	9/25/2017	0	0	0	0	0	0
01/12/2017 00	5.607	7.06	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	9/26/2017	0	0	0	0	0	0
01/12/2017 00	5.613	7.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	9/27/2017	0	0	0	0	0	0
01/12/2017 00	5.231	6.59	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	9/28/2017	0	0	0	0	0	0
01/12/2017 00	4.857	6.12	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	9/29/2017	0	0	0	0	0	0
01/12/2017 00	5.27	6.64	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	9/30/2017	0	0	0	0	0	0
01/12/2017 00	6.379	8.04	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/1/2017	1.33879E-05	6.69393E-06	1.00409E-06	0	0	0
01/12/2017 00	7.496	9.44	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/2/2017	0	0	0	0	0	0
01/12/2017 00	7.798	9.83	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/3/2017	0	0	0	0	0	0
01/12/2017 00	8.359	10.53	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/4/2017	0	0	0	0	0	0
01/12/2017 00	9.398	11.84	0.63	0.19	0.19	0.10	0.01	11.84	5.92	0.89	5.37E-05	2.68E-05	4.03E-06	0	1/12/2017	2017	10/5/2017	0	0	0	0.042611	0.021306	0.003196
01/12/2017 00	9.253	11.66	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/6/2017	0	0	0	0	0	0
01/12/2017 00	9.032	11.38	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/7/2017	0	0	0	0	0	0
01/12/2017 00	8.859	11.16	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/8/2017	0	0	0	0	0	0
01/12/2017 00	9.167	11.55	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/9/2017	0	0	0	0	0	0
01/12/2017 00	10.11	12.74	0.68	1.56	1.56	0.78	0.12	95.22	47.61	7.14	4.32E-04	2.16E-04	3.24E-05	0	1/12/2017	2017	10/10/2017	0	0	0	0.342776	0.171388	0.025708
01/12/2017 00	10.365	13.06	0.69	2.11	2.11	1.05	0.16	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/12/2017	2017	10/11/2017	0	0	0	0	0	0
01/12/2017 00	8.617	10.86	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/12/2017	2017	10/12/2017	0	0	0	0	0	0
01/12/2017 00	8.665	10.92	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/13/2017	0	0	0	0	0	0
01/12/2017 00	7.905	9.96	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/14/2017	1.67372E-05	8.36859E-06	1.25529E-06	0	0	0

01/12/2017 00	6.366	8.02	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/12/2017	2017	10/15/2017	0	0	0	0	0	0
01/13/2017 00	5.999	7.56	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/16/2017	0	0	0	0	0	0
01/13/2017 00	5.305	6.68	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/13/2017	2017	10/17/2017	0	0	0	0	0	0
01/13/2017 00	5.494	6.92	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/13/2017	2017	10/18/2017	0	0	0	0	0	0
01/13/2017 00	5.761	7.26	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/13/2017	2017	10/19/2017	0	0	0	0	0	0
01/13/2017 00	6.123	7.71	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/20/2017	0	0	0	0	0	0
01/13/2017 00	6.266	7.90	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/21/2017	0	0	0	0	0	0
01/13/2017 00	6.138	7.73	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/22/2017	0	0	0	0	0	0
01/13/2017 00	6.77	8.53	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/23/2017	0	0	0	0	0	0
01/13/2017 00	6.694	8.43	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/24/2017	0	0	0	0	0	0
01/13/2017 00	6.117	7.71	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/25/2017	0	0	0	0	0	0
01/13/2017 00	6.048	7.62	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/26/2017	0	0	0	0	0	0
01/13/2017 00	6.699	8.44	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/27/2017	0	0	0	0	0	0
01/13/2017 00	7.72	9.73	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/28/2017	0	0	0	0	0	0
01/13/2017 00	7.806	9.84	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/29/2017	0	0	0	0	0	0
01/13/2017 00	7.827	9.86	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/30/2017	4.23708E-05	2.11854E-05	3.17781E-06	0	0	0
01/13/2017 00	8.541	10.76	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	10/31/2017	0	0	0	0	0	0
01/13/2017 00	8.796	11.08	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/13/2017	2017	11/1/2017	0	0	0	0	0	0
01/13/2017 00	9.841	12.40	0.66	1.01	1.01	0.50	0.08	61.83	30.91	4.64	2.80E-04	1.40E-04	2.10E-05	0	1/13/2017	2017	11/2/2017	0	0	0	0.222577	0.111288	0.016693
01/13/2017 00	11.025	13.89	0.74	3.69	3.69	1.85	0.28	225.94	112.97	16.95	1.03E-03	5.13E-04	7.69E-05	0	1/13/2017	2017	11/3/2017	6.67221E-06	3.33611E-06	5.00416E-07	0.813401	0.4067	0.061005
01/13/2017 00	11.175	14.08	0.75	4.08	4.08	2.04	0.31	249.91	124.95	18.74	1.13E-03	5.67E-04	8.50E-05	0	1/13/2017	2017	11/4/2017	0.000112086	5.60432E-05	8.40648E-06	0.89966	0.44983	0.067475
01/13/2017 00	11.897	14.99	0.79	6.13	6.13	3.06	0.46	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/13/2017	2017	11/5/2017	0	0	0	0	0	0
01/13/2017 00	12.001	15.12	0.80	6.44	6.44	3.22	0.48	394.62	197.31	29.60	1.79E-03	8.95E-04	1.34E-04	0	1/13/2017	2017	11/6/2017	0.000229056	0.000114528	1.71792E-05	1.420629	0.710315	0.106547
01/13/2017 00	12.298	15.50	0.82	7.38	7.38	3.69	0.55	451.94	225.97	33.90	2.05E-03	1.03E-03	1.54E-04	0	1/13/2017	2017	11/7/2017	0	0	0	1.626967	0.813484	0.122023
01/13/2017 00	12.832	16.17	0.86	9.18	9.18	4.59	0.69	562.02	281.01	42.15	2.55E-03	1.27E-03	1.91E-04	0	1/13/2017	2017	11/8/2017	0	0	0	2.02326	1.01163	0.151744
01/14/2017 00	13.302	16.76	0.89	10.88	10.88	5.44	0.82	666.38	333.19	49.98	3.02E-03	1.51E-03	2.27E-04	0	1/14/2017	2017	11/9/2017	0	0	0	2.398961	1.199481	0.179922
01/14/2017 00	12.99	16.37	0.87	9.74	9.74	4.87	0.73	596.32	298.16	44.72	2.71E-03	1.35E-03	2.03E-04	0	1/14/2017	2017	11/10/2017	1.72727E-05	8.63633E-06	1.29545E-06	2.146749	1.073374	0.161006
01/14/2017 00	12.39	15.61	0.83	7.68	7.68	3.84	0.58	470.26	235.13	35.27	2.13E-03	1.07E-03	1.60E-04	0	1/14/2017	2017	11/11/2017	0.000312496	0.000156248	2.34372E-05	1.692924	0.846462	0.126969
01/14/2017 00	11.885	14.98	0.79	6.09	6.09	3.05	0.46	372.99	186.50	27.97	1.69E-03	8.46E-04	1.27E-04	0	1/14/2017	2017	11/12/2017	0	0	0	1.342771	0.671385	0.100708
01/14/2017 00	11.358	14.31	0.76	4.57	4.57	2.29	0.34	280.10	140.05	21.01	1.27E-03	6.35E-04	9.53E-05	0	1/14/2017	2017	11/13/2017	0	0	0	1.008372	0.504186	0.075628
01/14/2017 00	10.938	13.78	0.73	3.47	3.47	1.73	0.26	212.37	106.19	15.93	9.63E-04	4.82E-04	7.23E-05	0	1/14/2017	2017	11/14/2017	0	0	0	0.764546	0.382273	0.057341
01/14/2017 00	10.45	13.17	0.70	2.30	2.30	1.15	0.17	140.70	70.35	10.55	6.38E-04	3.19E-04	4.79E-05	0	1/14/2017	2017	11/15/2017	0	0	0	0.506506	0.253253	0.037988
01/14/2017 00	10.082	12.70	0.67	1.50	1.50	0.75	0.11	91.63	45.82	6.87	4.16E-04	2.08E-04	3.12E-05	0	1/14/2017	2017	11/16/2017	0	0	0	0.32988	0.16494	0.024741
01/14/2017 00	10.043	12.65	0.67	1.42	1.42	0.71	0.11	86.69	43.34	6.50	3.93E-04	1.97E-04	2.95E-05	0	1/14/2017	2017	11/17/2017	0	0	0	0.312066	0.156033	0.023405
01/14/2017 00	10.226	12.88	0.68	1.80	1.80	0.90	0.14	110.32	55.16	8.27	5.00E-04	2.50E-04	3.75E-05	0	1/14/2017	2017	11/18/2017	0	0	0	0.397155	0.198578	0.029787
01/14/2017 00	10.386	13.09	0.69	2.15	2.15	1.08	0.16	131.86	65.93	9.89	5.98E-04	2.99E-04	4.49E-05	0	1/14/2017	2017	11/19/2017	0	0	0	0.474679	0.23734	0.035601
01/14/2017 00	10.345	13.03	0.69	2.06	2.06	1.03	0.15	126.26	63.13	9.47	5.73E-04	2.86E-04	4.30E-05	0	1/14/2017	2017	11/20/2017	0	0	0	0.454536	0.227268	0.03409
01/14/2017 00	10.09	12.71	0.67	1.51	1.51	0.76	0.11	92.65	46.33	6.95	4.20E-04	2.10E-04	3.15E-05	0	1/14/2017	2017	11/21/2017	0	0	0	0.333555	0.166778	0.025017
01/14/2017 00	9.744	12.28	0.65	0.82	0.82	0.41	0.06	50.35	25.17	3.78	2.28E-04	1.14E-04	1.71E-05	0	1/14/2017	2017	11/22/2017	0	0	0	0.181258	0.090629	0.013594
01/14/2017 00	9.338	11.77	0.62	0.09	0.09	0.05	0.01	5.54	2.77	0.42	2.51E-05	1.26E-05	1.89E-06	0	1/14/2017	2017	11/23/2017	2.71424E-05	1.35712E-05	2.03568E-06	0.019958	0.009979	0.001497
01/14/2017 00	9.033	11.38	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/14/2017	2017	11/24/2017	0	0	0	0	0	0
01/14/2017 00	8.512	10.73	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/14/2017	2017	11/25/2017	0	0	0	0	0	0
01/14/2017 00	7.753	9.77	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/14/2017	2017	11/26/2017	0	0	0	0	0	0
01/14/2017 00	7.291	9.19	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/14/2017	2017	11/27/2017	0	0	0	0	0	0
01/14/2017 00	7.238	9.12	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/14/2017	2017	11/28/2017	0	0	0	0	0	0
01/14/2017 00	7.791	9.82	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/14/2017	2017	11/29/2017	2.10281E-05	1.05141E-05	1.57711E-06	0	0	0
01/14/2017 00	7.19	9.06	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/14/2017	2017	11/30/2017	0	0	0	0	0	0
01/14/2017 00	6.371	8.03	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/14/2017	2017	12/1/2017	0	0	0	0	0	0
01/14/2017 00	5.638	7.10	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/14/2017	2017	12/2/2017	0	0	0	0	0	0
01/15/2017 00	4.864	6.13	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/3/2017	0	0	0	0	0	0
01/15/2017 00	4.377	5.52	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/4/2017	0	0	0	0	0	0
01/15/2017 00	4.515	5.69	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/5/2017	0	0	0	0	0	0
01/15/2017 00	4.325	5.45	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/6/2017	0	0	0	0	0	0
01/15/2017 00	3.062	3.86	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/7/2017	1.16641E-05	5.83204E-06	8.74807E-07	0	0	0
01/15/2017 00	4.667	5.88	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/8/2017	0	0	0	0	0	0
01/15/2017 00	5.948	7.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/9/2017	0	0	0	0	0	0
01/15/2017 00	5.594	7.05	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/10/2017	3.29419E-05	1.6471E-05	2.47064E-06	0	0	0
01/15/2017 00	5.143	6.48	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/11/2017	0	0	0	0	0	0
01/15/2017 00	6.129	7.72	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/12/2017	0	0	0	0	0	0
01/15/2017 00	6.045	7.62	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/13/2017	0.000881917	0.000440959	6.61438E-05	0	0	0
01/15/2017 00	5.941	7.49	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/14/2017	0.00055998	0.00027999	4.19985E-05	0	0	0
01/15/2017 00	5.802	7.31	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/15/2017	0.000686999	0.0003435	5.1525E-05	0	0	0
01/15/2017 00	5.361	6.75	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/16/2017	0	0	0	0	0	0
01/15/2017 00	4.739	5.97	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/17/2017	0	0	0	0	0	0
01/15/2017 00	4.304	5.42	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/18/2017	0	0	0	0	0	0
01/15/2017 00	3.128	3.94	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/19/2017	0	0	0	0	0	0
01/15/2017 00	2.91	3.67	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/15/2017	2017	12/20/2017	2.65879E-06	1.32939E-06	1.99409E-07	0	0	0
01/15/2017 00	2.406	3.03	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/21/2017	0.000400784	0.000200392	3.00588E-05	0	0	0
01/15/2017 00	2.232	2.81	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/22/2017	0	0	0	0	0	0
01/15/2017 00	4.59	5.78	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/15/2017	2017	12/23/2017	0	0	0	0	0	0
01/15/2017 00	4.425	5.58	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/24/2017	1.2328E-05	6.164E-06	9.24599E-07	0	0	0
01/15/2017 00	4.296	5.41	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/25/2017	6.19343E-05	3.09671E-05	4.64507E-06	0	0	0
01/15/2017 00	4.07	5.13	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/15/2017	2017	12/26/2017	0.002560576	0.001280288	0.000192043	0	0	0
01/16/2017 00	4.15	5.23	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	12/27/2017	0.002494079	0.001247039	0.000187056	0	0	0
01/16/2017 00	4.644	5.85	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	12/28/2017	0.000119268	5.96339E-05	8.94509E-06	0	0	0
01/16/2017 00	4.653	5.86	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	12/29/2017	0	0	0	0	0	0
01/16/2017 00	4.038	5.09	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	12/30/2017	0	0	0	0	0	0
01/16/2017 00	3.627	4.57	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	12/31/2017	0	0	0	0	0	0
01/16/2017 00	3.261	4.11	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/1/2018	0	0	0	0	0	0
01/16/2017 00	3.108	3.92	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/2/2018	0	0	0	0	0	0
01/16/2017 00	3.237	4.08	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/3/2018	5.88267E-06	2.94133E-06	4.412E-07	0	0	0
01/16/2017 00	3.065	3.86	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/4/2018	2.1774E-06	1.0887E-06	1.63305E-07	0	0	0
01/16/2017 00	2.384	3.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/5/2018	0.001184799	0.0005924	8.88599E-05	0	0	0
01/16/2017 00	1.885	2.38	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/6/2018	0.000955644	0.000477822	7.16733E-05	0	0	0
01/16/2017 00	1.719	2.17	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/7/2018	0.00037264	0.00018632	2.7948E-05	0	0	0
01/16/2017 00	1.724	2.17	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/8/2018	0.000210689	0.000105344	1.58017E-05	0	0	0
01/16/2017 00	2.178	2.74	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/9/2018	0	0	0	0	0	0
01/16/2017 00	2.815	3.55	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/10/2018	0.000105097	5.25486E-05	7.88229E-06	0	0	0
01/16/2017 00	3.996	5.03	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/11/2018	0	0	0	0	0	0
01/16/2017 00	3.686	4.64	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/12/2018	0.000165754	8.28769E-05	1.24315E-05	0	0	0
01/16/2017 00	4.106	5.17	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/13/2018	0.001146242	0.000573121	8.59682E-05	0	0	0
01/16/2017 00	4.996	6.29	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/14/2018	0	0	0	0	0	0
01/16/2017 00	5.959	7.51	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/15/2018	0	0	0	0	0	0
01/16/2017 00	4.688	5.91	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/16/2018	0	0	0	0	0	0
01/16/2017 00	7.148	9.01	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/17/2018	0	0	0	0	0	0
01/16/2017 00	6.919	8.72	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/18/2018	0	0	0	0	0	0
01/16/2017 00	7.001	8.82	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/16/2017	2017	1/19/2018	0	0	0	0	0	0
01/17/2017 00	6.47	8.15	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	1/20/2018	0	0	0	0	0	0
01/17/2017 00	5.968	7.52	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	1/21/2018	7.63539E-05	3.81769E-05	5.72654E-06	0	0	0
01/17/2017 00	5.895	7.43	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	1/22/2018	0	0	0	0	0	0
01/17/2017 00	5.929	7.47	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	1/23/2018	0	0	0	0	0	0
01/17/2017 00	6.297	7.93	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	1/24/2018	0.000122724	6.13619E-05	9.20429E-06	0	0	0
01/17/2017 00	5.852	7.37	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/17/2017	2017	1/25/2018	6.31045E-07	3.15523E-07	4.73284E-08	0	0	0
01/17/2017 00	4.96	6.25	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/17/2017	2017	1/26/2018	0	0	0	0	0	0
01/17/2017 00	4.448	5.60	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/17/2017	2017	1/27/2018	0	0	0	0	0	0
01/17/2017 00	4.161	5.24	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	1/28/2018	1.50587E-05	7.52936E-06	1.1294E-06	0	0	0
01/17/2017 00	5.449	6.87	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	1/29/2018	0	0	0	0	0	0
01/17/2017 00	5.57	7.02	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	1/30/2018	0	0	0	0	0	0
01/17/2017 00	5.334	6.72	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	1/31/2018	3.78896E-05	1.89448E-05	2.84172E-06	0	0	0
01/17/2017 00	5.228	6.59	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/1/2018	0	0	0	0	0	0
01/17/2017 00	4	5.04	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/2/2018	0	0	0	0	0	0
01/17/2017 00	9.195	11.59	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/17/2017	2017	2/3/2018	0.000117604	5.88022E-05	8.82033E-06	0	0	0
01/17/2017 00	8.372	10.55	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/17/2017	2017	2/4/2018	0.000187475	9.37376E-05	1.40606E-05	0	0	0
01/17/2017 00	7.319	9.22	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/5/2018	8.52704E-05	4.26352E-05	6.39528E-06	0	0	0
01/17/2017 00	6.946	8.75	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/6/2018	2.47497E-07	1.23749E-07	1.85623E-08	0	0	0
01/17/2017 00	6.884	8.67	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/7/2018	0	0	0	0	0	0
01/17/2017 00	6.224	7.84	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/8/2018	0	0	0	0	0	0
01/17/2017 00	6.454	8.13	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/9/2018	0	0	0	0	0	0
01/17/2017 00	6.086	7.67	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/10/2018	0	0	0	0	0	0
01/17/2017 00	7.86	9.90	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/11/2018	0	0	0	0	0	0
01/17/2017 00	8.985	11.32	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/17/2017	2017	2/12/2018	2.26301E-05	1.1315E-05	1.69725E-06	0	0	0
01/18/2017 00	9.014	11.36	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/13/2018	0.000201964	0.000100982	1.51473E-05	0	0	0
01/18/2017 00	7.943	10.01	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/14/2018	0.000107996	5.39981E-05	8.09972E-06	0	0	0
01/18/2017 00	7.218	9.09	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/15/2018	0	0	0	0	0	0
01/18/2017 00	7.232	9.11	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/16/2018	0	0	0	0	0	0
01/18/2017 00	6.756	8.51	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/17/2018	0.000232452	0.000116226	1.74339E-05	0	0	0
01/18/2017 00	5.663	7.14	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/18/2018	0	0	0	0	0	0
01/18/2017 00	4.914	6.19	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/19/2018	0	0	0	0	0	0
01/18/2017 00	3.792	4.78	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/20/2018	0	0	0	0	0	0
01/18/2017 00	2.422	3.05	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/21/2018	0	0	0	0	0	0
01/18/2017 00	4.475	5.64	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/22/2018	1.02096E-05	5.10479E-06	7.65718E-07	0	0	0
01/18/2017 00	5.023	6.33	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/23/2018	0	0	0	0	0	0
01/18/2017 00	4.953	6.24	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/24/2018	0	0	0	0	0	0
01/18/2017 00	4.013	5.06	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/25/2018	0	0	0	0	0	0
01/18/2017 00	3.29	4.15	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/26/2018	0	0	0	0	0	0

01/18/2017 00	3.923	4.94	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/27/2018	0	0	0	0	0	0
01/18/2017 00	3.708	4.67	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	2/28/2018	0	0	0	0	0	0
01/18/2017 00	3.648	4.60	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	3/1/2018	0	0	0	0	0	0
01/18/2017 00	3.893	4.91	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	3/2/2018	0	0	0	0	0	0
01/18/2017 00	2.67	3.36	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	3/3/2018	0	0	0	0	0	0
01/18/2017 00	2.809	3.54	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	3/4/2018	0	0	0	0	0	0
01/18/2017 00	2.561	3.23	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	3/5/2018	8.07645E-06	4.03822E-06	6.05734E-07	0	0	0
01/18/2017 00	2.377	3.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	3/6/2018	0.000567808	0.000283904	4.25856E-05	0	0	0
01/18/2017 00	2.376	2.99	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	3/7/2018	1.18455E-05	5.92274E-06	8.88411E-07	0	0	0
01/18/2017 00	2.769	3.49	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/18/2017	2017	3/8/2018	0	0	0	0	0	0
01/19/2017 00	2.474	3.12	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/9/2018	2.42563E-05	1.21281E-05	1.81922E-06	0	0	0
01/19/2017 00	1.451	1.83	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/10/2018	0	0	0	0	0	0
01/19/2017 00	1.353	1.70	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/11/2018	0	0	0	0	0	0
01/19/2017 00	1.339	1.69	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/12/2018	0	0	0	0	0	0
01/19/2017 00	1.595	2.01	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/13/2018	0	0	0	0	0	0
01/19/2017 00	2.082	2.62	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/14/2018	0.000146299	7.31496E-05	1.09724E-05	0	0	0
01/19/2017 00	2.518	3.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/15/2018	0	0	0	0	0	0
01/19/2017 00	2.865	3.61	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/16/2018	0	0	0	0	0	0
01/19/2017 00	3.144	3.96	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/17/2018	0	0	0	0	0	0
01/19/2017 00	2.742	3.45	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/18/2018	3.15043E-05	1.57521E-05	2.36282E-06	0	0	0
01/19/2017 00	2.829	3.56	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/19/2018	0	0	0	0	0	0
01/19/2017 00	3.219	4.06	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/20/2018	0	0	0	0	0	0
01/19/2017 00	3.398	4.28	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/21/2018	0	0	0	0	0	0
01/19/2017 00	3.729	4.70	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/22/2018	5.32826E-05	2.66413E-05	3.99619E-06	0	0	0
01/19/2017 00	3.773	4.75	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/23/2018	0	0	0	0	0	0
01/19/2017 00	3.632	4.58	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/24/2018	0.000162883	8.14414E-05	1.22162E-05	0	0	0
01/19/2017 00	3.063	3.86	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/25/2018	0.000144376	7.21881E-05	1.08282E-05	0	0	0
01/19/2017 00	3.039	3.83	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/26/2018	0	0	0	0	0	0
01/19/2017 00	3.715	4.68	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/27/2018	0	0	0	0	0	0
01/19/2017 00	4.131	5.21	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/28/2018	0	0	0	0	0	0
01/19/2017 00	4.412	5.56	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/29/2018	0	0	0	0	0	0
01/19/2017 00	3.192	4.02	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/30/2018	0	0	0	0	0	0
01/19/2017 00	3.142	3.96	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	3/31/2018	0.00018762	9.38101E-05	1.40715E-05	0	0	0
01/19/2017 00	3.618	4.56	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/19/2017	2017	4/1/2018	4.57058E-05	2.28529E-05	3.42794E-06	0	0	0
01/20/2017 00	3.206	4.04	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/2/2018	0	0	0	0	0	0
01/20/2017 00	2.616	3.30	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/3/2018	0	0	0	0	0	0
01/20/2017 00	2.607	3.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/4/2018	3.44655E-08	1.72328E-08	2.58492E-09	0	0	0
01/20/2017 00	2.672	3.37	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/5/2018	0.000113485	5.67425E-05	8.51138E-06	0	0	0
01/20/2017 00	2.72	3.43	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/20/2017	2017	4/6/2018	0.000516369	0.000258185	3.87277E-05	0	0	0
01/20/2017 00	3.035	3.82	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/7/2018	0	0	0	0	0	0
01/20/2017 00	2.603	3.28	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/8/2018	0	0	0	0	0	0
01/20/2017 00	2.464	3.10	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/9/2018	0.000203225	0.000101612	1.52419E-05	0	0	0
01/20/2017 00	2.565	3.23	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/10/2018	0	0	0	0	0	0
01/20/2017 00	2.912	3.67	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/11/2018	0	0	0	0	0	0
01/20/2017 00	2.98	3.75	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/12/2018	0	0	0	0	0	0
01/20/2017 00	2.046	2.58	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/13/2018	3.14538E-05	1.57269E-05	2.35904E-06	0	0	0
01/20/2017 00	1.982	2.50	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/14/2018	0.000308572	0.000154286	2.31429E-05	0	0	0
01/20/2017 00	2.472	3.11	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/15/2018	9.1487E-05	4.57435E-05	6.86153E-06	0	0	0
01/20/2017 00	2.797	3.52	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/16/2018	0	0	0	0	0	0
01/20/2017 00	2.749	3.46	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/17/2018	0	0	0	0	0	0
01/20/2017 00	3.61	4.55	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/18/2018	8.37915E-05	4.18958E-05	6.28436E-06	0	0	0
01/20/2017 00	4	5.04	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/19/2018	0	0	0	0	0	0
01/20/2017 00	3.897	4.91	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/20/2018	0	0	0	0	0	0
01/20/2017 00	3.884	4.89	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/21/2018	0	0	0	0	0	0
01/20/2017 00	4.208	5.30	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/22/2018	0	0	0	0	0	0
01/20/2017 00	4.146	5.22	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/23/2018	0	0	0	0	0	0
01/20/2017 00	3.933	4.96	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/24/2018	0	0	0	0	0	0
01/20/2017 00	3.727	4.70	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/20/2017	2017	4/25/2018	0	0	0	0	0	0
01/21/2017 00	3.944	4.97	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	4/26/2018	2.57832E-06	1.28916E-06	1.93374E-07	0	0	0
01/21/2017 00	4.247	5.35	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	4/27/2018	4.39146E-06	2.19573E-06	3.2936E-07	0	0	0
01/21/2017 00	4.579	5.77	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	4/28/2018	0	0	0	0	0	0
01/21/2017 00	4.782	6.03	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	4/29/2018	0	0	0	0	0	0
01/21/2017 00	5.14	6.48	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	4/30/2018	0	0	0	0	0	0
01/21/2017 00	5.293	6.67	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/1/2018	0	0	0	0	0	0
01/21/2017 00	5.253	6.62	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/2/2018	0	0	0	0	0	0
01/21/2017 00	5.123	6.45	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/3/2018	0	0	0	0	0	0
01/21/2017 00	5.318	6.70	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/4/2018	0	0	0	0	0	0
01/21/2017 00	6.271	7.90	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/5/2018	0.00024778	0.00012389	1.85835E-05	0	0	0
01/21/2017 00	5.648	7.12	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/6/2018	0	0	0	0	0	0
01/21/2017 00	6.011	7.57	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/7/2018	0	0	0	0	0	0
01/21/2017 00	5.907	7.44	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/8/2018	0	0	0	0	0	0
01/21/2017 00	6.115	7.70	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/9/2018	0	0	0	0	0	0
01/21/2017 00	6.093	7.68	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/10/2018	0	0	0	0	0	0
01/21/2017 00	5.325	6.71	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/11/2018	0	0	0	0	0	0
01/21/2017 00	4.971	6.26	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/12/2018	0	0	0	0	0	0
01/21/2017 00	4.715	5.94	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/13/2018	0	0	0	0	0	0
01/21/2017 00	4.47	5.63	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/14/2018	0	0	0	0	0	0
01/21/2017 00	4.277	5.39	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/15/2018	0	0	0	0	0	0
01/21/2017 00	4.467	5.63	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/16/2018	0	0	0	0	0	0
01/21/2017 00	4.314	5.44	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/17/2018	7.85918E-05	3.92959E-05	5.89439E-06	0	0	0
01/21/2017 00	4.186	5.27	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/18/2018	0	0	0	0	0	0
01/21/2017 00	4.311	5.43	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/21/2017	2017	5/19/2018	0	0	0	0	0	0
01/22/2017 00	4.064	5.12	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/20/2018	5.81553E-05	2.90777E-05	4.36165E-06	0	0	0
01/22/2017 00	3.843	4.84	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/21/2018	0	0	0	0	0	0
01/22/2017 00	3.713	4.68	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/22/2018	0	0	0	0	0	0
01/22/2017 00	3.627	4.57	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/23/2018	0	0	0	0	0	0
01/22/2017 00	3.738	4.71	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/24/2018	0	0	0	0	0	0
01/22/2017 00	3.785	4.77	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/25/2018	0	0	0	0	0	0
01/22/2017 00	3.853	4.85	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/26/2018	0	0	0	0	0	0
01/22/2017 00	3.907	4.92	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/27/2018	0	0	0	0	0	0
01/22/2017 00	3.947	4.97	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/28/2018	0	0	0	0	0	0
01/22/2017 00	4.006	5.05	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/29/2018	0	0	0	0	0	0
01/22/2017 00	4.446	5.60	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/30/2018	0.000108016	5.4008E-05	8.1012E-06	0	0	0
01/22/2017 00	4.355	5.49	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	5/31/2018	0	0	0	0	0	0
01/22/2017 00	4.502	5.67	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/1/2018	0	0	0	0	0	0
01/22/2017 00	4.899	6.17	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/2/2018	0	0	0	0	0	0
01/22/2017 00	6.13	7.72	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/3/2018	8.90939E-07	4.4547E-07	6.68205E-08	0	0	0
01/22/2017 00	5.511	6.94	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/4/2018	0	0	0	0	0	0
01/22/2017 00	5.313	6.69	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/5/2018	0	0	0	0	0	0
01/22/2017 00	4.414	5.56	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/6/2018	0	0	0	0	0	0
01/22/2017 00	4.569	5.76	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/7/2018	0	0	0	0	0	0
01/22/2017 00	4.892	6.16	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/8/2018	0	0	0	0	0	0
01/22/2017 00	4.085	5.15	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/22/2017	2017	6/9/2018	0	0	0	0	0	0
01/22/2017 00	3.579	4.51	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/10/2018	0	0	0	0	0	0
01/22/2017 00	7.079	8.92	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/22/2017	2017	6/11/2018	0	0	0	0	0	0
01/22/2017 00	5.559	7.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/22/2017	2017	6/12/2018	0	0	0	0	0	0
01/23/2017 00	4.733	5.96	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/13/2018	9.88999E-07	4.945E-07	7.4175E-08	0	0	0
01/23/2017 00	4.334	5.46	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/14/2018	0	0	0	0	0	0
01/23/2017 00	5.354	6.75	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/15/2018	0	0	0	0	0	0
01/23/2017 00	4.209	5.30	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/16/2018	0	0	0	0	0	0
01/23/2017 00	2.731	3.44	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/17/2018	0	0	0	0	0	0
01/23/2017 00	1.382	1.74	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/18/2018	0	0	0	0	0	0
01/23/2017 00	4.34	5.47	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/19/2018	0	0	0	0	0	0
01/23/2017 00	4.402	5.55	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/20/2018	0	0	0	0	0	0
01/23/2017 00	4.657	5.87	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/21/2018	0	0	0	0	0	0
01/23/2017 00	5.918	7.46	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/22/2018	0	0	0	0	0	0
01/23/2017 00	6.488	8.17	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/23/2018	2.2774E-06	1.1387E-06	1.70805E-07	0	0	0
01/23/2017 00	7.221	9.10	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/24/2018	0	0	0	0	0	0
01/23/2017 00	7.603	9.58	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/25/2018	0	0	0	0	0	0
01/23/2017 00	7.775	9.80	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/26/2018	0	0	0	0	0	0
01/23/2017 00	7.702	9.70	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/27/2018	0	0	0	0	0	0
01/23/2017 00	7.197	9.07	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/28/2018	0	0	0	0	0	0
01/23/2017 00	6.784	8.55	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/29/2018	0	0	0	0	0	0
01/23/2017 00	7.113	8.96	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	6/30/2018	0	0	0	0	0	0
01/23/2017 00	6.847	8.63	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	7/1/2018	0	0	0	0	0	0
01/23/2017 00	5.483	6.91	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	7/2/2018	0	0	0	0	0	0
01/23/2017 00	3.175	4.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	7/3/2018	0	0	0	0	0	0
01/23/2017 00	3.618	4.56	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	7/4/2018	0	0	0	0	0	0
01/23/2017 00	4.403	5.55	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	7/5/2018	0	0	0	0	0	0
01/23/2017 00	4.312	5.43	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/23/2017	2017	7/6/2018	0	0	0	0	0	0
01/24/2017 00	4.627	5.83	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/7/2018	0	0	0	0	0	0
01/24/2017 00	3.769	4.75	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/8/2018	1.11848E-07	5.59239E-08	8.38859E-09	0	0	0
01/24/2017 00	2.97	3.74	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/9/2018	0	0	0	0	0	0
01/24/2017 00	2.988	3.76	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/10/2018	0	0	0	0	0	0
01/24/2017 00	3.409	4.30	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/11/2018	0	0	0	0	0	0

01/24/2017 00	3.437	4.33	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/12/2018	0	0	0	0	0	0
01/24/2017 00	3.492	4.40	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/13/2018	0	0	0	0	0	0
01/24/2017 00	3.085	3.89	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/14/2018	0	0	0	0	0	0
01/24/2017 00	2.182	2.75	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/15/2018	0	0	0	0	0	0
01/24/2017 00	1.548	1.95	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/16/2018	0	0	0	0	0	0
01/24/2017 00	2.016	2.54	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/17/2018	0	0	0	0	0	0
01/24/2017 00	1.986	2.50	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/18/2018	0	0	0	0	0	0
01/24/2017 00	2.15	2.71	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/19/2018	0	0	0	0	0	0
01/24/2017 00	2.105	2.65	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/20/2018	0	0	0	0	0	0
01/24/2017 00	1.864	2.35	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/21/2018	0	0	0	0	0	0
01/24/2017 00	1.579	1.99	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/22/2018	0	0	0	0	0	0
01/24/2017 00	2.367	2.98	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/23/2018	0	0	0	0	0	0
01/24/2017 00	2.664	3.36	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/24/2018	0	0	0	0	0	0
01/24/2017 00	2.408	3.03	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/25/2018	0	0	0	0	0	0
01/24/2017 00	2.62	3.30	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/26/2018	0	0	0	0	0	0
01/24/2017 00	3.416	4.30	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/27/2018	0	0	0	0	0	0
01/24/2017 00	3.276	4.13	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/28/2018	0	0	0	0	0	0
01/24/2017 00	3.446	4.34	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/29/2018	0	0	0	0	0	0
01/24/2017 00	3.289	4.14	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/24/2017	2017	7/30/2018	0	0	0	0	0	0
01/25/2017 00	3.685	4.64	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	7/31/2018	0	0	0	0	0	0
01/25/2017 00	4.408	5.55	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/1/2018	0	0	0	0	0	0
01/25/2017 00	4.576	5.77	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/2/2018	0	0	0	0	0	0
01/25/2017 00	4.305	5.42	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/3/2018	0	0	0	0	0	0
01/25/2017 00	4.624	5.83	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/4/2018	0	0	0	0	0	0
01/25/2017 00	5.449	6.87	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/5/2018	0	0	0	0	0	0
01/25/2017 00	5.552	7.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/6/2018	0	0	0	0	0	0
01/25/2017 00	6.348	8.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/7/2018	0	0	0	0	0	0
01/25/2017 00	6.667	8.40	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/8/2018	0	0	0	0	0	0
01/25/2017 00	6.832	8.61	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/9/2018	0	0	0	0	0	0
01/25/2017 00	6.937	8.74	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/10/2018	0	0	0	0	0	0
01/25/2017 00	6.166	7.77	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/11/2018	0	0	0	0	0	0
01/25/2017 00	7.65	9.64	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/25/2017	2017	8/12/2018	0	0	0	0	0	0
01/25/2017 00	9.131	11.51	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/25/2017	2017	8/13/2018	0	0	0	0	0	0
01/25/2017 00	8.171	10.30	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/25/2017	2017	8/14/2018	0	0	0	0	0	0
01/25/2017 00	8.235	10.38	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/25/2017	2017	8/15/2018	0	0	0	0	0	0
01/25/2017 00	9.294	11.71	0.62	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/25/2017	2017	8/16/2018	0	0	0	0	0	0
01/25/2017 00	9.381	11.82	0.63	0.16	0.16	0.08	0.01	10.04	5.02	0.75	4.56E-05	2.28E-05	3.42E-06	0	1/25/2017	2017	8/17/2018	0	0	0	0.036151	0.018076	0.002711
01/25/2017 00	10.509	13.24	0.70	2.43	2.43	1.22	0.18	148.96	74.48	11.17	6.76E-04	3.38E-04	5.07E-05	0	1/25/2017	2017	8/18/2018	0	0	0	0.536261	0.26813	0.04022
01/25/2017 00	11.831	14.91	0.79	5.93	5.93	2.96	0.44	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/25/2017	2017	8/19/2018	0	0	0	0	0	0
01/25/2017 00	13.546	17.07	0.90	11.81	11.81	5.91	0.89	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/25/2017	2017	8/20/2018	0	0	0	0	0	0
01/25/2017 00	13.986	17.62	0.93	13.57	13.57	6.78	1.02	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/25/2017	2017	8/21/2018	0	0	0	0	0	0
01/25/2017 00	14.077	17.74	0.94	13.94	13.94	6.97	1.05	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/25/2017	2017	8/22/2018	0	0	0	0	0	0
01/25/2017 00	14.214	17.91	0.95	14.52	14.52	7.26	1.09	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/25/2017	2017	8/23/2018	0	0	0	0	0	0
01/26/2017 00	13.875	17.48	0.93	13.12	13.12	6.56	0.98	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/26/2017	2017	8/24/2018	0	0	0	0	0	0
01/26/2017 00	13.323	16.79	0.89	10.96	10.96	5.48	0.82	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/26/2017	2017	8/25/2018	0	0	0	0	0	0
01/26/2017 00	12.159	15.32	0.81	6.94	6.94	3.47	0.52	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/26/2017	2017	8/26/2018	0	0	0	0	0	0
01/26/2017 00	10.606	13.36	0.71	2.66	2.66	1.33	0.20	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/26/2017	2017	8/27/2018	0	0	0	0	0	0
01/26/2017 00	11.298	14.24	0.75	4.41	4.41	2.21	0.33	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/26/2017	2017	8/28/2018	0	0	0	0	0	0
01/26/2017 00	9.563	12.05	0.64	0.49	0.49	0.24	0.04	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/26/2017	2017	8/29/2018	0	0	0	0	0	0
01/26/2017 00	8.971	11.30	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	8/30/2018	0	0	0	0	0	0
01/26/2017 00	8.331	10.50	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	8/31/2018	0	0	0	0	0	0
01/26/2017 00	8.687	10.95	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/1/2018	0	0	0	0	0	0
01/26/2017 00	7.733	9.74	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/2/2018	0	0	0	0	0	0
01/26/2017 00	7.298	9.20	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/3/2018	0	0	0	0	0	0
01/26/2017 00	5.615	7.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/26/2017	2017	9/4/2018	0	0	0	0	0	0
01/26/2017 00	4.556	5.74	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/26/2017	2017	9/5/2018	0	0	0	0	0	0
01/26/2017 00	4.994	6.29	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/6/2018	3.29118E-05	1.64559E-05	2.46838E-06	0	0	0
01/26/2017 00	6.521	8.22	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/7/2018	0	0	0	0	0	0
01/26/2017 00	7.067	8.90	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/8/2018	0	0	0	0	0	0
01/26/2017 00	6.646	8.37	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/9/2018	0	0	0	0	0	0
01/26/2017 00	5.608	7.07	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/10/2018	0	0	0	0	0	0
01/26/2017 00	6.176	7.78	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/11/2018	0	0	0	0	0	0
01/26/2017 00	6.625	8.35	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/12/2018	0	0	0	0	0	0
01/26/2017 00	6.16	7.76	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/13/2018	0	0	0	0	0	0
01/26/2017 00	5.745	7.24	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/14/2018	0	0	0	0	0	0
01/26/2017 00	5.737	7.23	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/15/2018	0	0	0	0	0	0
01/26/2017 00	5.898	7.43	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/26/2017	2017	9/16/2018	0	0	0	0	0	0
01/27/2017 00	5.935	7.48	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	9/17/2018	0	0	0	0	0	0
01/27/2017 00	5.877	7.41	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	9/18/2018	0	0	0	0	0	0
01/27/2017 00	5.002	6.30	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	9/19/2018	0	0	0	0	0	0
01/27/2017 00	4.605	5.80	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/27/2017	2017	9/20/2018	0	0	0	0	0	0
01/27/2017 00	4.401	5.55	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/27/2017	2017	9/21/2018	0	0	0	0	0	0
01/27/2017 00	3.432	4.32	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/27/2017	2017	9/22/2018	0.000180059	9.00294E-05	1.35044E-05	0	0	0
01/27/2017 00	2.802	3.53	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/27/2017	2017	9/23/2018	0	0	0	0	0	0
01/27/2017 00	3.529	4.45	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	1/27/2017	2017	9/24/2018	0	0	0	0	0	0
01/27/2017 00	4.874	6.14	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	9/25/2018	0	0	0	0	0	0
01/27/2017 00	5.617	7.08	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	9/26/2018	0	0	0	0	0	0
01/27/2017 00	7.209	9.08	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	9/27/2018	0	0	0	0	0	0
01/27/2017 00	7.587	9.56	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	9/28/2018	0	0	0	0	0	0
01/27/2017 00	8.117	10.23	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	9/29/2018	0	0	0	0	0	0
01/27/2017 00	8.216	10.35	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	9/30/2018	0	0	0	0	0	0
01/27/2017 00	8.627	10.87	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/1/2018	0	0	0	0	0	0
01/27/2017 00	8.857	11.16	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/2/2018	0	0	0	0	0	0
01/27/2017 00	9.093	11.46	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/3/2018	0	0	0	0	0	0
01/27/2017 00	8.476	10.68	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/4/2018	2.0871E-07	1.04355E-07	1.56533E-08	0	0	0
01/27/2017 00	7.879	9.93	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/5/2018	0	0	0	0	0	0
01/27/2017 00	8.076	10.18	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/6/2018	0	0	0	0	0	0
01/27/2017 00	7.388	9.31	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/7/2018	0	0	0	0	0	0
01/27/2017 00	7.373	9.29	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/8/2018	0	0	0	0	0	0
01/27/2017 00	6.982	8.80	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/9/2018	0	0	0	0	0	0
01/27/2017 00	7.342	9.25	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/27/2017	2017	10/10/2018	0	0	0	0	0	0
01/28/2017 00	7.762	9.78	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/11/2018	0	0	0	0	0	0
01/28/2017 00	7.659	9.65	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/12/2018	0	0	0	0	0	0
01/28/2017 00	7.631	9.62	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/13/2018	0	0	0	0	0	0
01/28/2017 00	7.592	9.57	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/14/2018	0	0	0	0	0	0
01/28/2017 00	7.634	9.62	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/15/2018	0	0	0	0	0	0
01/28/2017 00	7.547	9.51	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/16/2018	0.000277464	0.000138732	2.08098E-05	0	0	0
01/28/2017 00	7.862	9.91	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/17/2018	0	0	0	0	0	0
01/28/2017 00	7.861	9.90	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/18/2018	0	0	0	0	0	0
01/28/2017 00	7.471	9.41	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/19/2018	0	0	0	0	0	0
01/28/2017 00	8.779	11.06	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/20/2018	0	0	0	0	0	0
01/28/2017 00	9.088	11.45	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/21/2018	0	0	0	0	0	0
01/28/2017 00	9.596	12.09	0.64	0.55	0.55	0.27	0.04	33.41	16.71	2.51	1.52E-04	7.58E-05	1.14E-05	0	1/28/2017	2017	10/22/2018	0	0	0	0.120282	0.060141	0.009021
01/28/2017 00	9.713	12.24	0.65	0.76	0.76	0.38	0.06	46.74	23.37	3.51	2.12E-04	1.06E-04	1.59E-05	0	1/28/2017	2017	10/23/2018	0	0	0	0.168279	0.084139	0.012621
01/28/2017 00	9.434	11.89	0.63	0.26	0.26	0.13	0.02	15.67	7.83	1.18	7.11E-05	3.55E-05	5.33E-06	0	1/28/2017	2017	10/24/2018	0	0	0	0.056401	0.0282	0.00423
01/28/2017 00	9.265	11.67	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/25/2018	0	0	0	0	0	0
01/28/2017 00	8.758	11.04	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/26/2018	1.604E-05	8.01999E-06	1.203E-06	0	0	0
01/28/2017 00	8.003	10.08	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/27/2018	0	0	0	0	0	0
01/28/2017 00	7.545	9.51	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/28/2018	0	0	0	0	0	0
01/28/2017 00	7.623	9.60	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/29/2018	0	0	0	0	0	0
01/28/2017 00	7.644	9.63	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/30/2018	0	0	0	0	0	0
01/28/2017 00	6.996	8.81	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	10/31/2018	0	0	0	0	0	0
01/28/2017 00	7.312	9.21	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	11/1/2018	0	0	0	0	0	0
01/28/2017 00	7.424	9.35	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	11/2/2018	0	0	0	0	0	0
01/28/2017 00	7.104	8.95	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/28/2017	2017	11/3/2018	0	0	0	0	0	0
01/29/2017 00	7.156	9.02	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/4/2018	0.000995979	0.000497989	7.46984E-05	0	0	0
01/29/2017 00	7.466	9.41	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/5/2018	0	0	0	0	0	0
01/29/2017 00	7.561	9.53	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/6/2018	0	0	0	0	0	0
01/29/2017 00	7.465	9.41	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/7/2018	0	0	0	0	0	0
01/29/2017 00	7.546	9.51	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/8/2018	1.59302E-05	7.96512E-06	1.19477E-06	0	0	0
01/29/2017 00	7.721	9.73	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/9/2018	0	0	0	0	0	0
01/29/2017 00	7.635	9.62	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/10/2018	0	0	0	0	0	0
01/29/2017 00	7.706	9.71	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/11/2018	0.000743861	0.00037193	5.57896E-05	0	0	0
01/29/2017 00	7.792	9.82	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/12/2018	0.000150637	7.53186E-05	1.12978E-05	0	0	0
01/29/2017 00	8.594	10.83	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/13/2018	0	0	0	0	0	0
01/29/2017 00	9.352	11.78	0.62	0.11	0.11	0.06	0.01	7.00	3.50	0.53	3.18E-05	1.59E-05	2.38E-06	0	1/29/2017	2017	11/14/2018	0.001038782	0.000519391	7.79087E-05	0.025207	0.012603	0.001891
01/29/2017 00	9.921	12.50	0.66	1.17	1.17	0.58	0.09	71.52	35.76	5.36	3.24E-04	1.62E-04	2.43E-05	0	1/29/2017	2017	11/15/2018	0.001111758	0.000555879	8.33819E-05	0.257462	0.128731	0.01931
01/29/2017 00	9.905	12.48	0.66	1.14	1.14	0.57	0.09	69.56	34.78	5.22	3.16E-04	1.58E-04	2.37E-05	0	1/29/2017	2017	11/16/2018	0	0	0	0.250426	0.125213	0.018782
01/29/2017 00	9.71	12.23	0.65	0.76	0.76	0.38	0.06	46.40	23.20	3.48	2.10E-04	1.05E-04	1.58E-05	0	1/29/2017	2017	11/17/2018	0	0	0	0.167029	0.083514	0.012527
01/29/2017 00	9.5	11.97	0.63	0.37	0.37	0.19	0.03	22.80	11.40	1.71	1.03E-04	5.17E-05	7.76E-06	0	1/29/2017	2017	11/18/2018	0	0	0	0.082065	0.041033	0.006155
01/29/2017 00	9.031	11.38	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/19/2018	0	0	0	0	0	0
01/29/2017 00	8.344	10.51	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/20/2018	0	0	0	0	0	0
01/29/2017 00	7.584	9.56	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/21/2018	0	0	0	0	0	0
01/29/2017 00	7.239	9.12	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/22/2018	6.63947E-06	3.31974E-06	4.9796E-07	0	0	0
01/29/2017 00	7.113	8.96	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/23/2018	3.2416E-05	1.6208E-05	2.4312E-06	0	0	0

01/29/2017 00	5.704	7.19	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/24/2018	0.000977892	0.000488946	7.33419E-05	0	0	0
01/29/2017 00	5.443	6.86	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/25/2018	0	0	0	0	0	0
01/29/2017 00	5.243	6.61	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/26/2018	0	0	0	0	0	0
01/29/2017 00	5.338	6.73	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/29/2017	2017	11/27/2018	0	0	0	0	0	0
01/30/2017 00	5.247	6.61	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	11/28/2018	0.000353295	0.000176647	2.64971E-05	0	0	0
01/30/2017 00	5.138	6.47	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	11/29/2018	6.08776E-05	3.04388E-05	4.56582E-06	0	0	0
01/30/2017 00	5.168	6.51	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	11/30/2018	0.00015982	7.99101E-05	1.19865E-05	0	0	0
01/30/2017 00	5.111	6.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/1/2018	0	0	0	0	0	0
01/30/2017 00	5.066	6.38	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/2/2018	0	0	0	0	0	0
01/30/2017 00	5.015	6.32	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/3/2018	0.000236648	0.000118324	1.77486E-05	0	0	0
01/30/2017 00	4.878	6.15	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/4/2018	0	0	0	0	0	0
01/30/2017 00	4.762	6.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/5/2018	0	0	0	0	0	0
01/30/2017 00	4.691	5.91	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/6/2018	0	0	0	0	0	0
01/30/2017 00	5.379	6.78	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/7/2018	0	0	0	0	0	0
01/30/2017 00	5.852	7.37	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/8/2018	0	0	0	0	0	0
01/30/2017 00	6.365	8.02	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/9/2018	0	0	0	0	0	0
01/30/2017 00	6.3	7.94	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/10/2018	0	0	0	0	0	0
01/30/2017 00	6.181	7.79	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/11/2018	0	0	0	0	0	0
01/30/2017 00	5.951	7.50	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/12/2018	0	0	0	0	0	0
01/30/2017 00	5.071	6.39	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/13/2018	0	0	0	0	0	0
01/30/2017 00	4.332	5.46	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/14/2018	6.08154E-05	3.04077E-05	4.56115E-06	0	0	0
01/30/2017 00	4.391	5.53	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/15/2018	0	0	0	0	0	0
01/30/2017 00	4.196	5.29	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/16/2018	0	0	0	0	0	0
01/30/2017 00	4.129	5.20	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/17/2018	0	0	0	0	0	0
01/30/2017 00	4.752	5.99	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/18/2018	0	0	0	0	0	0
01/30/2017 00	4.48	5.64	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/19/2018	2.88012E-05	1.44006E-05	2.16009E-06	0	0	0
01/30/2017 00	4.464	5.62	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/20/2018	0.000414149	0.000207074	3.10612E-05	0	0	0
01/30/2017 00	4.413	5.56	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/30/2017	2017	12/21/2018	0	0	0	0	0	0
01/31/2017 00	4.14	5.22	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/22/2018	8.98064E-05	4.49032E-05	6.73548E-06	0	0	0
01/31/2017 00	4.068	5.13	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/23/2018	0	0	0	0	0	0
01/31/2017 00	4.019	5.06	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/24/2018	0	0	0	0	0	0
01/31/2017 00	3.869	4.87	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/25/2018	0	0	0	0	0	0
01/31/2017 00	3.276	4.13	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/26/2018	0	0	0	0	0	0
01/31/2017 00	2.828	3.56	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/27/2018	0	0	0	0	0	0
01/31/2017 00	2.825	3.56	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/28/2018	0	0	0	0	0	0
01/31/2017 00	2.96	3.73	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/29/2018	0	0	0	0	0	0
01/31/2017 00	3.024	3.81	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/30/2018	0	0	0	0	0	0
01/31/2017 00	1.122	1.41	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	12/31/2018	0	0	0	0	0	0
01/31/2017 00	0.425	0.54	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/1/2019	0	0	0	0	0	0
01/31/2017 00	0.472	0.59	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/2/2019	9.37134E-05	4.68567E-05	7.0285E-06	0	0	0
01/31/2017 00	0.639	0.81	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/3/2019	0	0	0	0	0	0
01/31/2017 00	1.299	1.64	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/4/2019	0	0	0	0	0	0
01/31/2017 00	2.228	2.81	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/5/2019	0	0	0	0	0	0
01/31/2017 00	3.215	4.05	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/6/2019	0	0	0	0	0	0
01/31/2017 00	3.918	4.94	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/7/2019	6.7382E-05	3.3691E-05	5.05365E-06	0	0	0
01/31/2017 00	4.685	5.90	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/8/2019	0	0	0	0	0	0
01/31/2017 00	4.504	5.68	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/9/2019	0	0	0	0	0	0
01/31/2017 00	4.575	5.76	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/10/2019	0	0	0	0	0	0
01/31/2017 00	5.109	6.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/11/2019	0	0	0	0	0	0
01/31/2017 00	5.053	6.37	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/12/2019	0	0	0	0	0	0
01/31/2017 00	4.741	5.97	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/13/2019	0	0	0	0	0	0
01/31/2017 00	4.381	5.52	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	1/31/2017	2017	1/14/2019	0	0	0	0	0	0
02/01/2017 00	4.098	5.16	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/15/2019	0	0	0	0	0	0
02/01/2017 00	3.76	4.74	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/16/2019	0	0	0	0	0	0
02/01/2017 00	3.1	3.91	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/17/2019	0	0	0	0	0	0
02/01/2017 00	3.167	3.99	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/18/2019	0	0	0	0	0	0
02/01/2017 00	3.558	4.48	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/19/2019	0	0	0	0	0	0
02/01/2017 00	3.715	4.68	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/20/2019	0	0	0	0	0	0
02/01/2017 00	3.91	4.93	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/21/2019	0	0	0	0	0	0
02/01/2017 00	3.968	5.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/22/2019	0	0	0	0	0	0
02/01/2017 00	3.614	4.55	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/23/2019	0	0	0	0	0	0
02/01/2017 00	2.519	3.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/24/2019	0	0	0	0	0	0
02/01/2017 00	2.681	3.38	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/25/2019	0	0	0	0	0	0
02/01/2017 00	3.105	3.91	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/26/2019	0	0	0	0	0	0
02/01/2017 00	3.656	4.61	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/27/2019	0	0	0	0	0	0
02/01/2017 00	3.871	4.88	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/28/2019	0	0	0	0	0	0
02/01/2017 00	3.877	4.89	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/29/2019	0	0	0	0	0	0
02/01/2017 00	3.478	4.38	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/30/2019	0	0	0	0	0	0
02/01/2017 00	2.788	3.51	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	1/31/2019	0	0	0	0	0	0
02/01/2017 00	2.322	2.93	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	2/1/2019	0.000172924	8.64621E-05	1.29693E-05	0	0	0
02/01/2017 00	1.915	2.41	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	2/2/2019	0.00011488	5.74398E-05	8.61597E-06	0	0	0
02/01/2017 00	1.183	1.49	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	2/3/2019	7.09067E-05	3.54534E-05	5.31801E-06	0	0	0
02/01/2017 00	4.107	5.17	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	2/4/2019	0	0	0	0	0	0
02/01/2017 00	3.594	4.53	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	2/5/2019	0	0	0	0	0	0
02/01/2017 00	2.225	2.80	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	2/6/2019	0	0	0	0	0	0
02/01/2017 00	0.312	0.39	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/1/2017	2017	2/7/2019	0	0	0	0	0	0
02/02/2017 00	2.145	2.70	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/8/2019	8.79435E-05	4.39718E-05	6.59576E-06	0	0	0
02/02/2017 00	2.201	2.77	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/9/2019	0.001791877	0.000895939	0.000134391	0	0	0
02/02/2017 00	3.608	4.55	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/10/2019	0.003580735	0.001790368	0.000268555	0	0	0
02/02/2017 00	3.791	4.78	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/11/2019	0.00121187	0.000605935	9.08903E-05	0	0	0
02/02/2017 00	3.549	4.47	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/12/2019	3.61151E-06	1.80575E-06	2.70863E-07	0	0	0
02/02/2017 00	3.563	4.49	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/13/2019	0	0	0	0	0	0
02/02/2017 00	3.773	4.75	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/14/2019	0	0	0	0	0	0
02/02/2017 00	3.81	4.80	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/15/2019	0	0	0	0	0	0
02/02/2017 00	3.984	5.02	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/16/2019	0.000340518	0.000170259	2.55388E-05	0	0	0
02/02/2017 00	3.594	4.53	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/17/2019	0	0	0	0	0	0
02/02/2017 00	3.081	3.88	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/18/2019	5.96376E-05	2.98188E-05	4.47282E-06	0	0	0
02/02/2017 00	2.948	3.71	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/19/2019	4.46584E-05	2.23292E-05	3.34938E-06	0	0	0
02/02/2017 00	2.662	3.35	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/20/2019	0.000679189	0.000339595	5.09392E-05	0	0	0
02/02/2017 00	2.682	3.38	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/21/2019	0	0	0	0	0	0
02/02/2017 00	2.613	3.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/22/2019	8.90939E-07	4.4547E-07	6.68205E-08	0	0	0
02/02/2017 00	2.679	3.38	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/23/2019	0	0	0	0	0	0
02/02/2017 00	2.725	3.43	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/24/2019	0	0	0	0	0	0
02/02/2017 00	3.55	4.47	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/25/2019	0	0	0	0	0	0
02/02/2017 00	3.386	4.27	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/26/2019	0.000137361	6.86806E-05	1.03021E-05	0	0	0
02/02/2017 00	2.891	3.64	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/27/2019	0.000941331	0.000470666	7.05998E-05	0	0	0
02/02/2017 00	3.228	4.07	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	2/28/2019	8.12599E-07	4.063E-07	6.09449E-08	0	0	0
02/02/2017 00	3.994	5.03	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	3/1/2019	8.17523E-05	4.08762E-05	6.13142E-06	0	0	0
02/02/2017 00	3.865	4.87	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	3/2/2019	0.000262428	0.000131214	1.96821E-05	0	0	0
02/02/2017 00	3.694	4.65	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/2/2017	2017	3/3/2019	0	0	0	0	0	0
02/03/2017 00	3.651	4.60	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/4/2019	0	0	0	0	0	0
02/03/2017 00	3.479	4.38	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/5/2019	0.000129965	6.49827E-05	9.7474E-06	0	0	0
02/03/2017 00	3.394	4.28	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/6/2019	0	0	0	0	0	0
02/03/2017 00	2.754	3.47	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/7/2019	0.000337296	0.000168648	2.52972E-05	0	0	0
02/03/2017 00	3.294	4.15	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	2/3/2017	2017	3/8/2019	4.21819E-05	2.1091E-05	3.16365E-06	0	0	0
02/03/2017 00	3.687	4.65	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	2/3/2017	2017	3/9/2019	0	0	0	0	0	0
02/03/2017 00	4.304	5.42	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/10/2019	0	0	0	0	0	0
02/03/2017 00	4.555	5.74	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/11/2019	2.45098E-05	1.22549E-05	1.83824E-06	0	0	0
02/03/2017 00	4.884	6.15	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/12/2019	0	0	0	0	0	0
02/03/2017 00	6.822	8.60	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/13/2019	0	0	0	0	0	0
02/03/2017 00	7.887	9.94	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/14/2019	0	0	0	0	0	0
02/03/2017 00	8.589	10.82	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/15/2019	5.46646E-05	2.73323E-05	4.09985E-06	0	0	0
02/03/2017 00	9.066	11.42	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/16/2019	5.53565E-06	2.76783E-06	4.15174E-07	0	0	0
02/03/2017 00	9.014	11.36	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/17/2019	0.000306794	0.000153397	2.30095E-05	0	0	0
02/03/2017 00	9.465	11.93	0.63	0.31	0.31	0.16	0.02	19.00	9.50	1.42	8.62E-05	4.31E-05	6.46E-06	0	2/3/2017	2017	3/18/2019	3.02574E-06	1.51287E-06	2.2693E-07	0.068393	0.034197	0.00513
02/03/2017 00	8.941	11.27	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/19/2019	0	0	0	0	0	0
02/03/2017 00	8.483	10.69	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/20/2019	0	0	0	0	0	0
02/03/2017 00	8.023	10.11	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/21/2019	0	0	0	0	0	0
02/03/2017 00	7.272	9.16	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/22/2019	0	0	0	0	0	0
02/03/2017 00	7.363	9.28	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/23/2019	0	0	0	0	0	0
02/03/2017 00	8.289	10.44	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	2/3/2017	2017	3/24/2019	0	0	0	0	0	0
02/03/2017 00	8.523	10.74	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	1	2/3/2017	2017	3/25/2019	0	0	0	0	0	0
02/03/2017 00	8.089	10.19	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/26/2019	0	0	0	0	0	0
02/03/2017 00	7.58	9.55	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/3/2017	2017	3/27/2019	0	0	0	0	0	0
02/04/2017 00	7.48	9.42	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	3/28/2019	0	0	0	0	0	0
02/04/2017 00	7.244	9.13	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	3/29/2019	0	0	0	0	0	0
02/04/2017 00	7.258	9.15	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	3/30/2019	0	0	0	0	0	0
02/04/2017 00	6.917	8.72	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	3/31/2019	0	0	0	0	0	0
02/04/2017 00	6.66	8.39	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	4/1/2019	2.70823E-05	1.35411E-05	2.03117E-06	0	0	0
02/04/2017 00	6.561	8.27	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	4/2/2019	0.000581086	0.000290543	4.35815E-05	0	0	0
02/04/2017 00	6.199	7.81	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	4/3/2019	0.000162296	8.11482E-05	1.21722E-05	0	0	0
02/04/2017 00	5.665	7.14	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	4/4/2019	0.001526972	0.000763486	0.000114523	0	0	0
02/04/2017 00	5.113	6.44	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	4/5/2019	0.000916405	0.000458203	6.87304E-05	0	0	0
02/04/2017 00	5.456	6.87	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	4/6/2019	0	0	0	0	0	0
02/04/2017 00	5.305	6.68	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0	2/4/2017	2017	4/7/2019	2.47022E-05	1.23511E-05	1.85266E-06	0	0	0

Mobile Equipment considered in GHG Assessment

from 2022 FS mine and cost estimate - Provided by Marathon Gold

			Peak Operations Year (2028)			
FLEET COST SUMMARY	**FUNCTION**	**Hourly Fuel Burn (L/SMU)**	**Operating Simultaneously**	**Hours (SMU)**	**Total Fuel (L)**	**Assumed**
Drilling						**Operating Hours/day**
Rotary Drill, Tracked, 200 mm diameter	Production Drilling	105	4	24,380	2,559,900	17
DTH Drill, Tracked, 144 mm diameter	Production Drilling	50	4	19,089	954,450	14
RC Drill, Tracked, 144mm diameter	Grade Control (RC) Drilling	50	3	3,125	156,250	3
Loading						
Wheel Loader, 13 m^3 bucket	Production Loading, Crusher Loading	115	2	8,729	1,003,835	12
Hydraulic Excavator, 12 m^3 bucket	Production Loading	130	4	19,663	2,556,190	14
Hydraulic Excavator, 15 m^3 bucket	Production Loading	185	3	17,461	3,230,285	16
Hauling						
Rigid Fram Hauler, 91t payload	Hauling Ore and Waste	100	11	59,360	5,936,000	15
Rigid Fram Hauler, 132 t payload	Hauling Waste	156	22	132,780	20,713,680	17
Articulated Hauler, 36 tonnes payload	Support Hauler, Till Hauling	45	2	9,868	444,060	14
Primary Pit Support						
Motor Grader, 4.9 m blade	Haul Road Maintenance	35	3	16,104	563,640	15
Water/Gravel Truck	Water/Gravel Haul Roads	25	3	16,882	422,050	16
Track Dozer, 447 kW	Waste Dump Maintenance	85	3	12,726	1,081,710	12
Track Dozer, 325 kW	Pit Support	60	2	10,790	647,400	15
Wheel Loader, 4.5m^3 bucket	Pit Support	20	2	9,021	180,420	13
Hydraulic Excavator, 4.0 m^3 bucket	Pit Support and Back Up Loading	45	3	10,364	466,380	10
Fuel/Lube Truck	Equipment Fuel/Lube	30	3	12,948	388,440	12
Wheel Dozer, 370 kW	Pit Support	65	2	6,474	420,810	9
Hydraulic Excavator, 3.0 m^3 bucket	Pit Support, Ditching, Construction	30	2	8,632	258,960	12
Hydraulic Excavator, 1.75 m^3 bucket	Construction and Reclamation Support	30	1	4,316	129,480	12
Track Dozer, 160 kW	Construction and Reclamation Support	25	1	4,316	107,900	12
Ancillary						
Crew Shuttle	Employee Transport	7	6	6,000	42,000	3
Pickup Trucks	Staff Transportation	3	10	25,000	75,000	7
Light Plants	Pit Lighting	1	18	62,999	62,999	10
Water Pumps, 150 m^3/hour	Pit Dewatering	30	10	34,999	1,049,970	10
On Highway Dump Truck	Utility Material Movement	10	2	3,000	30,000	5
Flatbed Picker Truck	Construction Support	10	2	3,000	30,000	5
Emergency Response Vehicle	Safety and First Aid	10	1	300	3,000	1
Mobile Maintenance Fleet						
Maintenance Trucks	Mobile Maintenance Crew and Tool Transport	7	4	8,000	56,000	6
Mobile Crane - 36 t capacity	Mobile Maintenance Material Handling	30	1	1,000	29,997	3
Float Trailer - 55 ton Capacity	Material and Equipment Transport	0	1	500	0	2
Forklift and Tire Handler	Shop Material and Tire Handling	10	2	2,000	20,000	3
Mobile Steam Cleaner	Cleaning for Mobile Maintenance	2	2	2,000	4,000	3
Scissor Lift	Maintenance Support	5	1	1,000	5,000	3
Mobile Manlift	Maintenance Support	5	1	1,000	5,000	3
				Total	43,634,805	

Mobile Equipment considered in Air Quality Modelling

Equipment	**Function**	**Fuel**	**Assumed**	**Number of Equipment**			**Assumed**
		Consumption gal/hr	**Output Power hp**	**Total**	**Operating Simultaneously (Assumed)**	**Operating Hours/yr ***	**Operating Hours/day**
DTH Drill, Tracked, 144 mm diameter	Production Drilling	13.2	540	4	3	19,089	18
Rotary Drill, Tracked, 200 mm diameter	Production Drilling	27.7	860	4	4	24,380	17
Wheel Loader, 13 m^3 bucket	Production Loading, Crusher Loading	30.4	1040	2	2	8,729	12
Hydraulic Excavator, 12 m^3 bucket	Production Loading	34.3	1040	4	3	19,663	18
Hydraulic Excavator, 15 m^3 bucket	Production Loading	48.9	1531	3	3	17,461	16
Rigid Fram Hauler, 91 t payload	Hauling Ore and Waste	26.4	1025	11	9	59,360	19
Rigid Fram Hauler, 132 t payload	Hauling Waste	41.2	1600	22	20	132,780	19
Track Dozer, 447 kW	Waste Dump Maintenance	22.5	700	3	2	12,726	18
Track Dozer, 325 kW	Pit Support	15.9	474	2	2	10,790	15

* Hours of operation are based on 2028

Route Information

Haul Routes - 2028 provided by Marathon Gold

Haul Route	Approx. Length (m)	Truck trips (cycles)			Material Hauled (tonnes)
	One Way	Hourly	Daily	Annual	
Berry Pit to Crusher	2,859	3	59	21,107	1,792,000
Berry Pit to Berry/Marathon LGSP	3,585	2	24	8,481	720,000
Berry Pit to Berry WRSF - 91 t hauler	2,701	4	64	22,603	1,919,000
Berry Pit to Berry WRSF - 132 t hauler	2,670	20	388	137,702	17,020,000
Berry Pit to Tailings Dam	4,376	6	108	38,280	3,250,000
Leprechaun Pit to Crusher	4,439	1	11	4,005	340,000
Leprechaun Pit to Leprecahun LGSP	2,855	1	6	2,026	172,000
Leprechaun Pit to Leprechaun OVBSP	1,975	1	14	4,895	372,000
Leprechaun Pit to Leprechaun WRSF - 91 t hauler	1,553	2	38	13,640	1,158,000
Leprechaun Pit to Leprechaun WRSF - 132 t hauler	2,085	28	556	197,435	24,403,000
Marathon Pit to Crusher	5,669	2	21	7,456	633,000
Marathon Pit to Berry/Marathon LGSP	3,615	1	10	3,663	311,000
Marathon Pit to Berry/Martahon OVBSP	1,502	1	16	5,671	431,000
Marathon Pit to Marathon WRSF - 91 t hauler	2,306	7	140	49,658	4,216,000
Marathon Pit to Marathon WRSF - 132 t hauler	3,017	16	311	110,307	13,634,000
High Grade Storage to Crusher	925	1	16	5,713	485,000

Ore handling and processing - Provided by Marathon Gold

Blasting - 2028

Total Explosives	17,500	t/a
Blasts per year	345	
Blasts per pit	115	
Explosives per blast	51.0	t

Material transfer and conveying - Provided by Marathon Gold

Stockpile drop points - 2028

Storage Pile	**Add Rate kt/a**	**Remove Rate kt/a**	**Total t/d**
Marathon - waste rock	17,850	0	48,904
Marathon/Berry - low grade stockpile	1,031	0	2,825
Berry - waste rock	18,940	0	51,890
Leprechaun - waste rock	25,560	0	70,027
Leprechaun - low grade stock pile	172	0	471
Leprechaun - high grade stockpile	0	-485	1,329

Table B-10: Total concentrations of trace elements in composite samples

	Analysis	Unit	ACUCx10	B QPOR	B SED	B MD	B QTP	B LGO	B HGO	B Ore Avg	B QPOR-PAG	B SED-High SFE	B QTP-PAG	B LGO-PAG	B HGO-PAG-Zn	B OB-ML	B-QPOR_FB	B-CG_FB	B-MD_FB	B-QTP_FB	B-LGO_FB	B-HGO_FB	Ore Avg	B QPOR-PAG-CO3DP	B QTP-PAG-CO3DP	B LGO-PAG-CO3DP	B HGO-PAG-CO3DP	BL1021-24D Detox Tls	BL1021-43 Detox Tls	TMFAvg
7439-97-6	Hg	µg/g	0.5	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*0.025*	*< 0.05*	*< 0.05*	*0.05*
#N/A	Ag	µg/g	530	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*	*0.5*
7440-38-2	As	µg/g	48	0.97	0.93	4.6	1.1	2.7	1.1	1.9	1.4	2.4	2.7	6.2	1.5	22	0.81	1.4	20	1.1	1.2	1.7	1.45	1.6	0.98	4.8	1.1	2.4	8.3	5.35
#N/A	Al	µg/g	407639	7400	10000	26000	6100	6600	6900	6750	6300	16000	5200	6400	6900	16000	12000	12000	24000	9800	8000	7900	7950	5100	5600	6800	6100	9600	9800	9700
7440-39-3	Ba	µg/g		22	83	18	9.8	15	10	12.5	18	39	17	22	11	64	14	41	15	12	11	9.3	10.15	16	18	18	9.8	32	27	29.5
7440-41-7	Be	µg/g	21	0.14	0.31	0.32	0.12	0.10	0.090	0.095	0.11	0.28	0.080	0.090	0.070	0.29	0.074	0.20	0.18	0.054	0.048	0.058	0.053	0.051	0.069	0.062	0.044	0.12	0.12	0.12
7440-69-9	Bi	µg/g		0.2	0.1	< 0.09	0.16	0.65	1.2	0.925	0.29	< 0.09	0.37	1.1	6.3	0.17	< 0.09	0.093	< 0.09	0.11	0.45	1.2	0.825	0.1	0.13	0.36	3.7	2	1.2	1.6
#N/A	Ca	µg/g		8600	19000	24000	7500	15000	12000	13500	6300	14000	10000	12000	7400	5400	15000	27000	38000	13000	13000	13000	13000	960	690	940	650	15000	16000	15500
7440-43-9	Cd	µg/g	0.90	0.19	0.10	0.11	0.075	0.040	0.030	0.035	0.030	0.040	0.030	*0.01*	0.040	0.16	0.050	0.065	0.10	0.21	0.044	0.12	0.082	0.03	*0.01*	*0.01*	*0.01*	0.19	0.23	0.21
7440-48-4	Cobalt	µg/g	173	3.5	8.2	22	4.2	21	4.8	12.9	4.1	10	18	28	6.8	16	7.4	9.9	20	3.8	5.4	4.3	4.85	13	3.9	26	6.1	6	4.4	5.2
7440-47-3	Cr	µg/g	920	3.5	13	58	6.2	4.7	7.1	5.9	95	69	130	90	150	73	56	45	62	76	56	82	69	2.6	1.9	2.2	2.6	270	210	240
7440-50-8	Cu	µg/g	280	18	42	38	26	26	26	26	15	25	13	92	13	45	26	16	31	16	73	15	44	13	8.5	150	8.3	51	650	350.5
#N/A	Fe	µg/g	320415	17000	21000	48000	15000	31000	25000	28000	24000	31000	25000	64000	24000	39000	26000	29000	52000	23000	24000	22000	23000	27000	24000	61000	23000	26000	27000	26500
#N/A	K	µg/g		490	740	350	280	590	320	455	560	990	550	650	470	1600	420	630	390	400	400	310	355	500	510	570	380	1000	950	975
7439-93-2	Li	µg/g		2.7	5.6	8	2.6	2.2	2.5	2.35	2	9	2	2	< 2	15	3.5	5	5.2	2.1	< 2	< 2	2	< 2	< 2	< 2	< 2	2.7	3	2.85
#N/A	Mg	µg/g		2200	7200	17000	2100	2600	2800	2700	2300	12000	2200	2500	2700	11000	5300	9600	16000	3200	2900	3000	2950	2000	1800	2400	2200	3400	3600	3500
#N/A	Mn	µg/g	774.5	380	810	900	370	560	410	485	320	730	300	320	290	600	480	780	1000	460	440	430	435	110	110	150	130	490	500	495
#N/A	Mo	µg/g	11	1.8	1.9	1.3	1.6	3.8	5.7	4.75	1.2	1.3	4.4	1.6	2.5	1.3	0.62	0.31	0.56	0.78	0.92	1.9	1.41	2.9	0.7	0.6	1.8	5.7	4.2	4.95
7440-02-0	Ni	µg/g	470	1.3	13	20	2.2	2.6	2.8	2.7	5.7	21	6.3	5.0	6.5	29	22	16	15	2.6	4.2	3.8	4	0.82	1	2.9	1.2	71	35	53
7439-92-1	Pb	µg/g	170	1.3	1.8	5.0	0.85	5.8	1.7	3.75	0.80	2.8	0.76	1.3	5.5	8.2	0.94	2.0	1.3	1.6	15	3.8	9.4	1.6	2.2	1.2	4.3	6.9	5.7	6.3
7440-36-0	Sb	µg/g		< 6	< 6	< 6	< 6	< 6	< 6	6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	< 6	6	< 6	< 6	< 6	< 6	< 6	< 6	6
7782-49-2	Se	µg/g	0.9	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	0.80	1.1	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	*0.35*	0.8	*0.35*	*0.35*	*0.35*	*0.35*
7440-31-5	Sn	µg/g		*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	0.7	0.7	0.7
7440-24-6	Sr	µg/g		8.3	36	42	10	14	12	13	7.3	23	11	12	8.5	17	15	38	46	12	13	14	13.5	4.1	4.5	6.1	3.4	17	19	18
#N/A	Ti	µg/g		28	33	250	27	29	48	38.5	49	87	50	29	82	1500	110	320	370	79	43	39	41	22	39	17	43	160	110	135
#N/A	Tl	µg/g	9	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	0.046	0.024	*0.01*	*0.01*	*0.01*	*0.01*
#N/A	U	µg/g	27	0.14	0.62	0.16	0.11	0.10	0.10	0.10	0.13	0.58	0.10	0.12	0.090	1.6	0.13	0.79	0.12	0.12	0.10	0.10	0.10	0.08	0.10	0.08	0.07	0.15	0.14	0.15
#N/A	V	µg/g	970	7.1	26	100	8.4	7.7	9.6	8.65	3.0	26	5.0	8.0	7.0	63	20	37	100	9.8	9.3	9.8	9.55	6.6	3.2	10	7	9.8	10	9.9
#N/A	Yttrium	µg/g		6.4	8	12	5.5	6.5	6.1	6.3	5.5	9.6	5	6.4	4.3	9.3	6.1	9.7	11	6.9	5.7	5.9	5.8	3.7	3.8	4.1	3	6.5	6	6.25
7440-66-6	Zn	µg/g	670	26	39	75	24	25	26	25.5	17	50	13	17	18	62	44	58	85	49	31	34	32.5	14	15	20	18	40	38	39

Notes:

ACUC - Average Concentration in the Upper Crust of the Earth based on Rudnick and Gao (2004);

Values exceeding 10x the Average Concentration in the Upper Crust are highlighted red with red text.

For the values less than Reportable Detection Limit (RDLs) values, 1/2 of RDLs are used to calculate statistical parameters. It is displayed with blue italic text.

Au	#N/A
Cu	7440-50-8
	#N/A
As	7440-38-2
Hg	7439-97-6
	#N/A
	#N/A
	#N/A
	#N/A
	#N/A
Te	#N/A
	#N/A
	#N/A
Ag	#N/A
Ba	7440-39-3
Be	7440-41-7
Bi	7440-69-9
Cd	7440-43-9
Cobalt	7440-48-4
Cr	7440-47-3
Li	7439-93-2
Mo	#N/A
Ni	7440-02-0
Pb	7439-92-1
Sb	7440-36-0
Se	7782-49-2
Sn	7440-31-5
Sr	7440-24-6
Tl	#N/A
U,	#N/A
Y,	#N/A
Zn	7440-66-6

Source: '16863, Heads.xlsx' Tab "All Comps, Chemical Analyses"

Client email April 8, 2020

Attached is a file with head assay data. "16863. Heads.xlsx". The data on ore composition is on the "All Comps. Chemical Analyses" sheet and with green fill.
I am not sure what Stantec are looking for but they could take an average of the five Leprechaun and five Marathon samples to arrive at data for the two deposits. If they want a global average, they could take 72% Marathon and 28% Leprechaun if they wanted to match the mixtures used in testwork. The actual ratio of the two ore types varies from year to year ... and I am not sure what the ratio is in the current mine plan.

Head Analysis, Quantitative and Semi-quantitative Analysis, Marathon and Leprechaun Zones

Element	Heap Leach Composites							Use for Tailings beach fugitives - Stantec Calculations								Combined Avg TMF	Combined 3 pit Assumed even split	Milling Composites										Stantec Calculations																	
	Marathon Comps				Leprechaun Comps			Marathon (ppmw)					Leprechaun (ppmw)							Marathon Comps					Leprechaun Comps					Marathon (ppmw)					Marathon Ore	Leprechaun (ppmw)					Leprechaun Ore	Combined Avg Ore	3 Pit Avg
	A	B	C	[2] HG HL Comp 1	D	E	F	VL 12-408	A	B	C	[2] HG HL Comp 1	Marathon TMF Average	D	E	F	VL 12-408	Leprechaun TMF Average			MZA	MZB	MZC	MZD	MZE	LZA	LZB	LZC	LZD	LZE	MZA	MZB	MZC	MZD	MZE	Average	LZA	LZB	LZC	LZD	LZE	Average		Assumed even split
Quantitative Analyses																																										ppmw	ppmw
[1] Au, g/t	--	--	--	2.99	########	########	########	3.64	--	--	--	2.99	2.99	0.35	########	########	3.64	1.31	3.65	2.15	########	########	########	########	########	########	########	########	########	########	4.08	3.25	1.98	3.94	2.68	3.39	2.65	2.61	5.19	3.82	2.75	3.41	3.2509566	3.33
Cu, %	0.01	0.01	0.01	0.01	0.01	0.01	0.01	########	0.0418181	########	########	100	100	700	100	100	24	81	94.68	177.17	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100	75.33
Cu ICN adj.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20	20.00
As, %	.001	########	.001	.001	.001	.001	########	.003	1.55	30	10	10	15	40	10	20	30	17.5	15.7	12.62	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10	7.30
Hg g/t	<0.3	0.3	<0.3	--	<0.3	0.3	0.3	<0.3	0	0.3	0.3	--	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.22	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.3	0.21
S, %	########	########	########	0.52	########	########	########	0.29	0.0787143	########	########	5200	5175.00	1900.00	########	########	2900.00	2500.00	4426.00	3837.50	########	########	########	########	########	########	########	########	########	########	6800.00	6800.00	7900.00	7000.00	5100.00	6720.00	3000.00	2800.00	4300.00	3400.00	3600.00	3420.00	5796	5070.00
$S^{=}$, %	########	########	########	0.52	########	########	########	0.29	########	########	########	5200	4575.00	1500.00	########	########	2900.00	2350.00	3952.00	3462.50	########	########	########	########	########	########	########	########	########	########	6800.00	6000.00	7400.00	6400.00	4700.00	6260.00	2800.00	2500.00	3700.00	3400.00	3300.00	3140.00	5386.4	4700.00
C(t), %	########	########	########	0.26	########	########	########	1.09	########	########	########	2550	3187.50	800.00	########	########	10900.00	8450.00	4661.00	5818.75	########	########	########	########	########	########	########	########	########	########	4800.00	4100.00	3800.00	3300.00	3800.00	3960.00	8000.00	6400.00	14000.00	9250.00	8400.00	9210.00	5430	6585.00
C(g), %	0.05	0.05	0.05	0.13	0.05	0.05	0.05	< 0.05	########	########	########	1300	700	500	500	500	500	500	644	600.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500	500.00
TOC Leco	0.05	0.05	0.05	<0.05	0.05	0.05	0.05	0.07	########	########	########	500	500	500	500	500	700	550	514	525.00	########	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	600.00	500.00	500.00	500.00	500.00	520.00	500.00	500.00	500.00	500.00	500.00	500.00	514.4	510.00
CO_3, %	########	########	########	0.90	########	########	########	3.97	########	########	########	8950	13462.50	25100.00	########	########	39700.00	30475.00	18226.00	21968.75	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########
Te, g/t	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	2	3	3	8	3	6	2	3	2	3.00	2.00	3.00	3.00	8.00	3.80	3.00	6.00	2.00	3.00	2.00	3.20	3.632	3.50
Spec. Grav	########	########	########	2.75	########	########	########	2.74	########	########	2.7	2.75	2.72	2.72	########	########	2.74	2.73	2.72	2.72				########			########																	
Semi-quantitative ICP Scan Analyses																																											
Ag, g/t	0.8	0.8	0.8	<8	<0.8	0.8	0.8	<2	0.8	0.8	0.8	8	2.6	0.8	0.8	0.8	2	1.1	2.18	1.85	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.8	0.80
Ba, g/t	########	########	########	7.98	105	########	########	475	9.38	########	########	7.9751156	8.371278902	105	########	########	475	172.425	54.30632081	70.09875963	########	########	########	########	########	########	########	########	########	########	12.50	10.80	13.80	8.93	12.30	11.67	44.30	58.50	33.30	28.90	35.70	40.14	19.63872	21.44
Be, g/t	########	0.08	0.08	0.06	0.11	########	########	0.74	0.08	########	########	0.0622543	0.075563584	0.11	########	########	0.74	0.28	0.13280578	0.158521199	0.09	0.09	0.09	0.09	0.09	########	########	########	########	########	0.09	0.09	0.09	0.09	0.09	0.09	0.15	0.12	0.11	0.14	0.13	0.13	0.1012	0.11
Bi, g/t	<10	<10	<10	<20	<10	<10	<10	< 20	10	10	10	20	12.5	10	10	10	20	12.5	12.5	8.866666667	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10	6.98
Cd, g/t	0.9	0.9	0.9	<2	<0.9	0.9	0.9	< 2	0.9	0.9	0.9	2	1.175	0.9	0.9	0.9	2	1.175	1.175	0.853333333	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.9	0.61
Co, g/t	<5	<5	<5	<4	<4	<5	<5	12	5	5	5	4	4.75	4	5	5	12	6.5	5.24	5.483333333	<5	<5	<5	<5	<5	<5	<10	<10	<10	<10	5.00	5.00	5.00	5.00	5.00	5.00	10.00	10.00	10.00	10.00	10.00	10.00	6.4	9.30
Cr, g/t	--	--	--	60	37	--	--	--	--	--	--	--	60.3468221	60.3468208	37	--	--	--	53.80971098	112.4483403	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60.35	--	--	--	--	--	37.00	53.809711	34.42
Li, g/t	<20	<20	<20	<20	<20	<20	<20	<5	20	20	20	20	20	20	20	20	5	16.25	18.95	13.03333333	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20	14.12
Mo, g/t	<6	<6	<6	<6	<6	<6	<6	< 6	6	6	6	6	6	6	6	6	6	6	6	6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6	6.00
Ni, g/t	<6	<6	<6	<6	<6	<6	<6	< 20	6	6	6	6	6	6	6	6	20	9.5	6.98	22.83333333	11	<6	<6	<6	<6	6	<10	<10	<10	<10	11.00	6.00	6.00	6.00	6.00	7.00	10.00	10.00	10.00	10.00	10.00	10.00	7.84	6.57
Pb, g/t	26	42	<20	<25	<20	<20	<20	< 20	26	42	20	25	28.25	20	20	20	20	20	25.94	18.18333333	<20	<20	<20	<20	<20	<40	<40	<40	<40	<40	20.00	20.00	20.00	20.00	20.00	20.00	40.00	40.00	40.00	40.00	40.00	40.00	25.6	21.25
Sb, g/t	<30	<30	<30	<10	<10	<10	<10	< 10	30	30	30	10	25	10	10	10	10	10	20.8	13.66666667	<30	<30	<30	<30	<30	<10	<10	<10	<10	<10	30.00	30.00	30.00	30.00	30.00	30.00	10.00	10.00	10.00	10.00	10.00	10.00	24.4	15.33
Se, g/t	<50	<50	<50	<30	<30	<30	<30	< 30	50	50	50	30	45	30	30	30	30	30	40.8	25.11666667	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30	20.12
Sn, g/t	<40	<40	<40	<20	<20	<40	<40	< 20	40	40	40	20	35	20	40	40	20	30	33.6	21.9	<40	<40	<40	<40	<40	<30	<30	<30	<30	<30	40.00	40.00	40.00	40.00	40.00	40.00	30.00	30.00	30.00	30.00	30.00	30.00	37.2	23.67
Sr, g/t	########	########	########	7.30	57.000	########	########	310	10.6	########	########	7.2971676	8.314291908	57	########	########	310	123.75	40.63629017	50.02143084	########	########	########	########	########	########	########	########	########	########	14.70	10.10	9.75	9.59	10.50	10.93	44.90	45.40	68.50	74.20	68.90	60.38	24.77456	28.10
Ti, g/t	<40	<40	<40	<30	<30	<30	<30	< 30	40	40	40	30	37.5	30	30	30	30	30	35.4	33.75	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30	30.00
U, g/t	<10	<10	<10	<20	<10	<10	<10	< 20	10	10	10	20	12.5	10	10	10	20	12.5	12.5	12.5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Y, g/t	6.4	3.8	2.3	2.7	3.5	2.8	2.9	6.9	6.4	3.8	2.3	2.7109827	3.802745665	3.5	2.8	2.9	6.9	4.025	3.864976879	3.913872832	5.9	3.7	3.3	3.3	3.5	3.3	2.9	5	3.4	3	5.90	3.70	3.30	3.30	3.50	3.94	3.30	2.90	5.00	3.40	3.00	3.52	3.8224	3.73
Zn, g/t	23	########	25	30	37	38	39	47	23	########	25	30.306358	54.3265896	37	38	39	47	40.25	50.38514451	44.52552987	16	13	15	14	11	26	44	44	35	26	16.00	13.00	15.00	14.00	11.00	13.80	26.00	44.00	44.00	35.00	26.00	35.00	19.736	24.77

Heap Leach Composites Au heads are calculated from screened metallics analysis of five screen fractions at each of three top sizes. Milling composites heads are calculated from single 1-kg screened metallics analyses.
[2] ICP Scan values are calculated from ICP scans completed on the three separate components included in MAR HG HL Comp 1.

APPENDIX 6B

Contour Plots

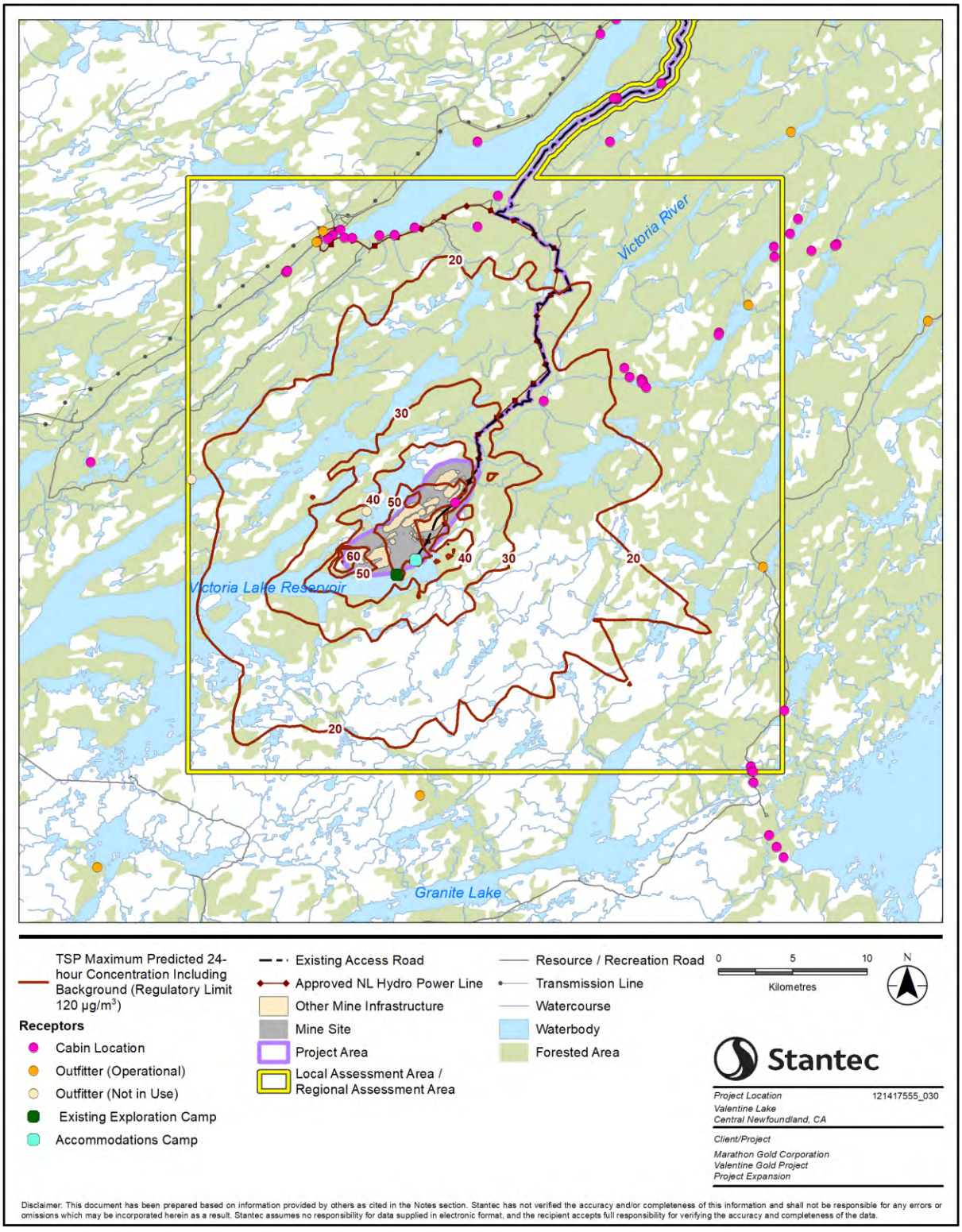


Figure B-1 Maximum Predicted 24-Hour TSP Concentrations (Including Background)

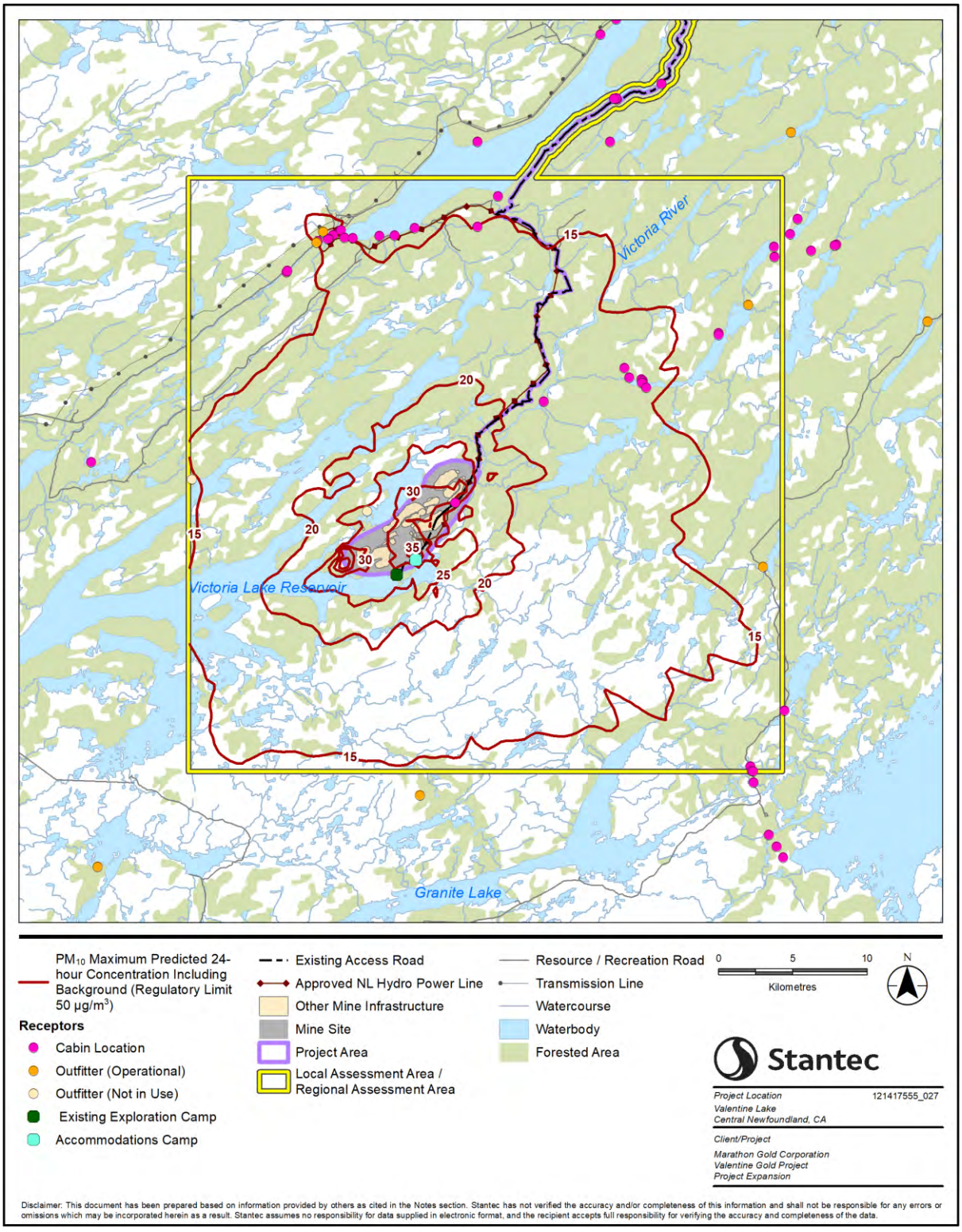


Figure B-2 Maximum Predicted 24-Hour PM_{10} Concentrations (Including Background)

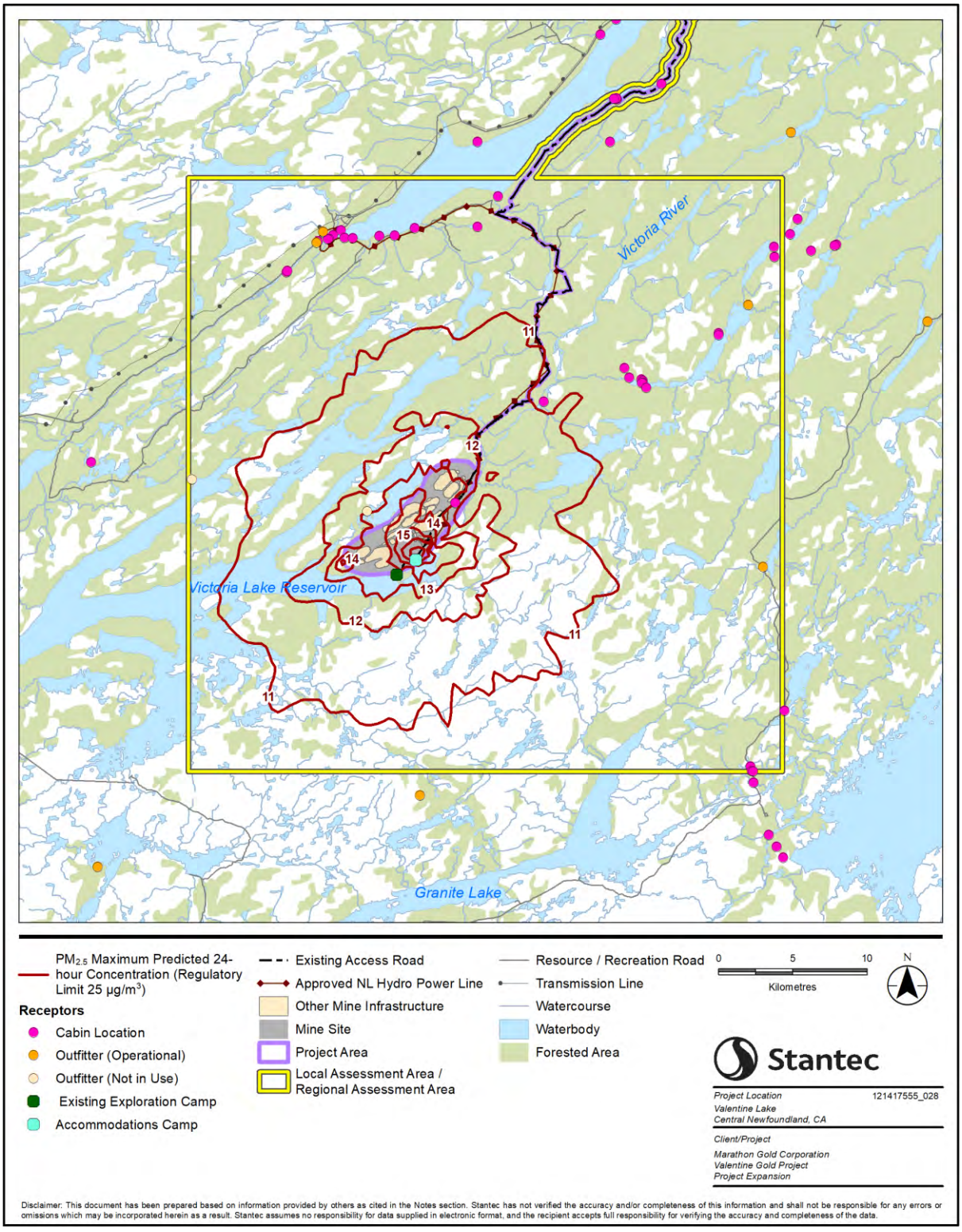


Figure B-3 Maximum Predicted 24-Hour $PM_{2.5}$ Concentrations (Including Background)

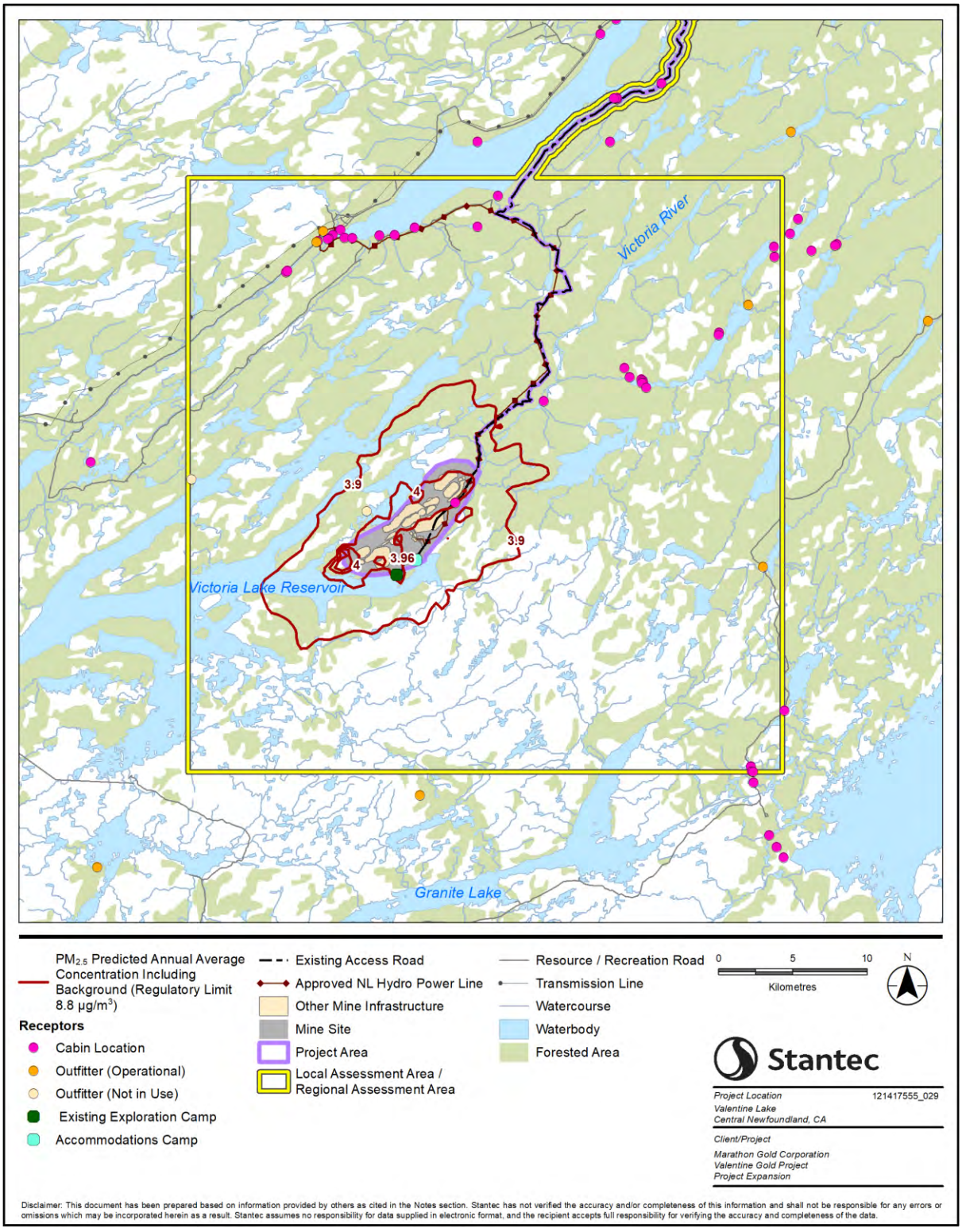


Figure B-4 Maximum Predicted Annual $PM_{2.5}$ Concentrations (Including Background)

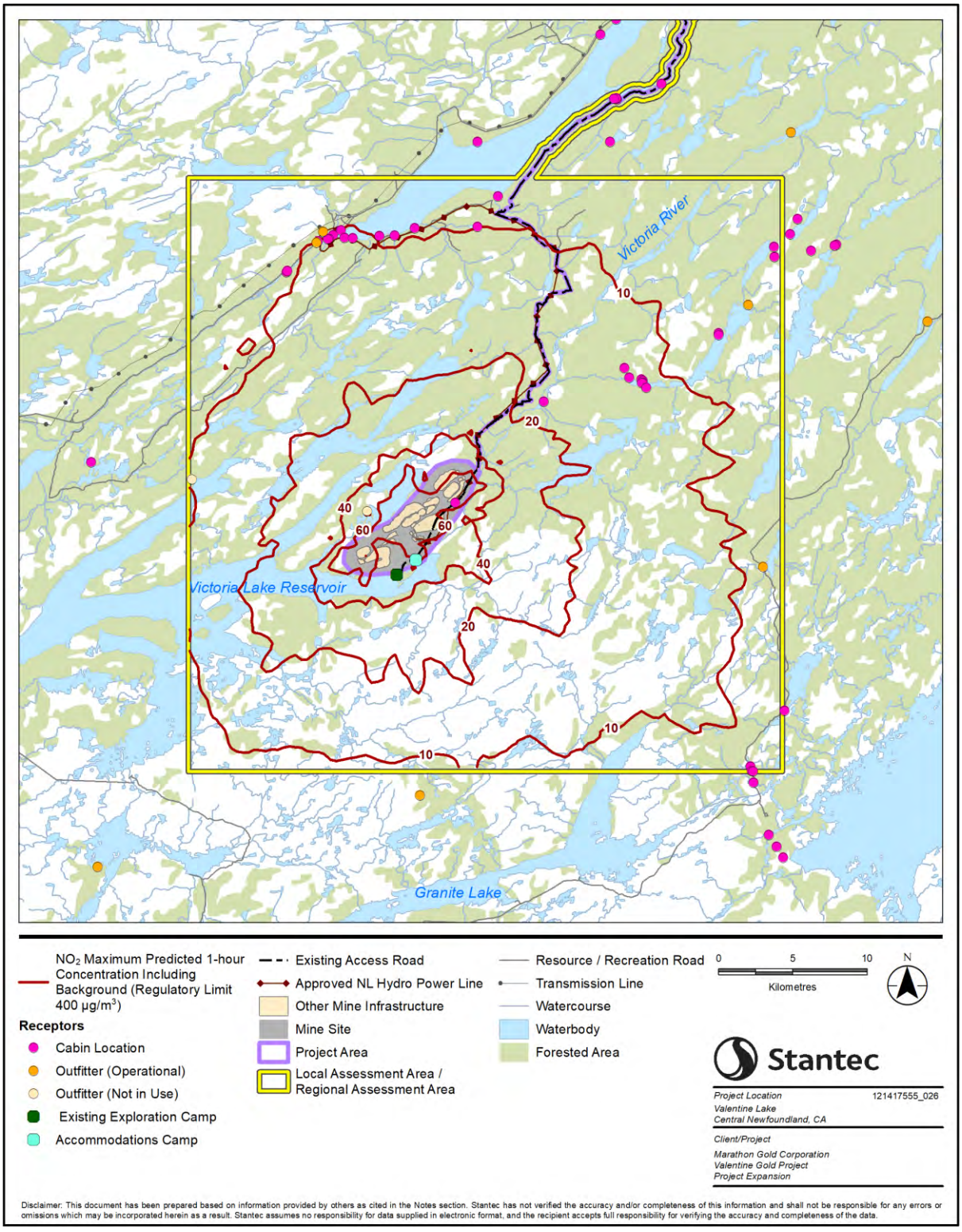


Figure B-5 Maximum Predicted 1-Hour NO_2 Concentrations (Including Background)

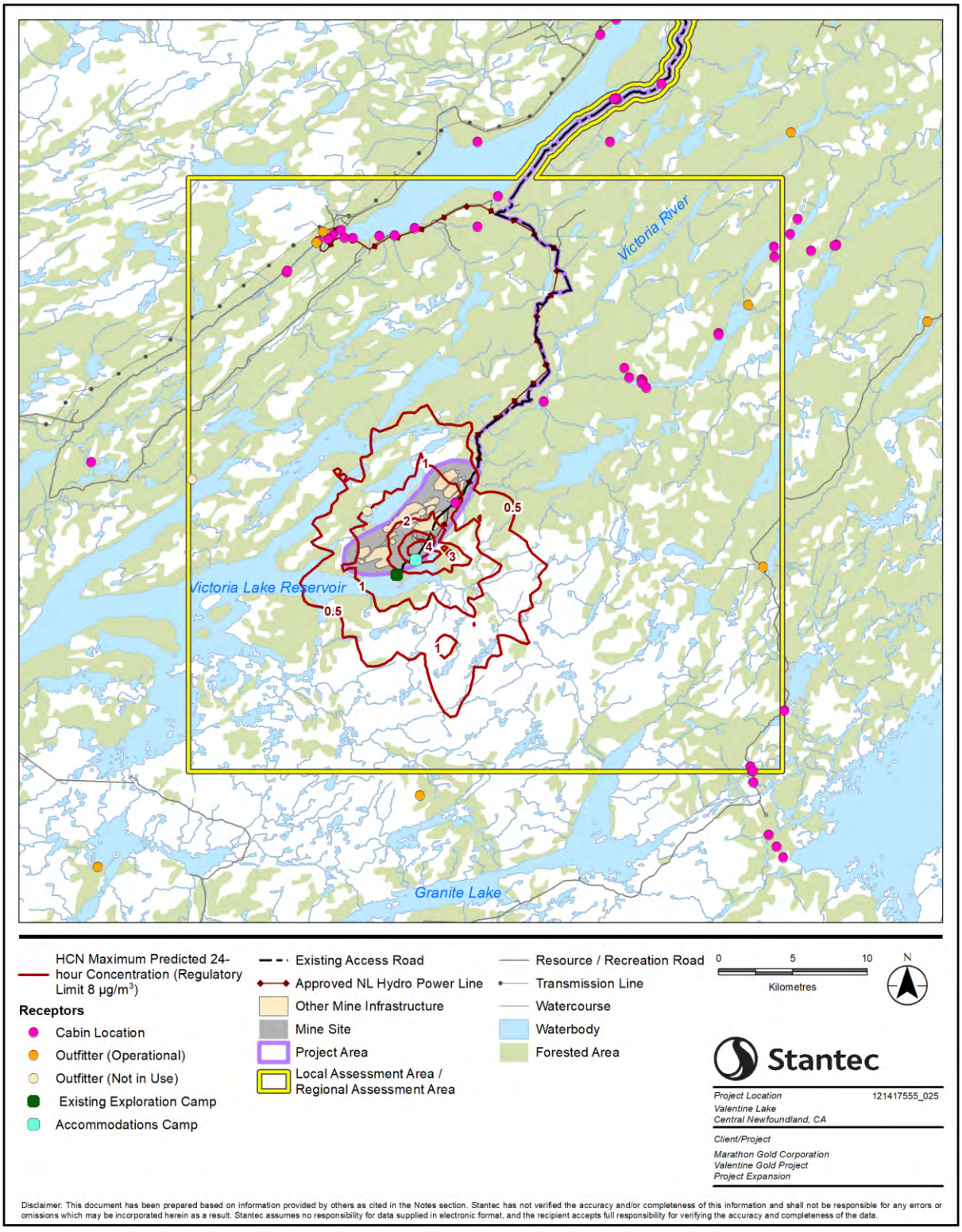


Figure B-6 Maximum Predicted 24-Hour HCN Concentrations