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**2017 ASSESSMENT WORK REPORT**  
**ON THE**  
**EAST SOULES BAY PROPERTY**  
**RIACH LAKE AREA**  
**PATRICIA MINING DIVISION, ONTARIO, CANADA**  
**NTS: 52O/01SW**

**Rockex Mining Corporation**  
**490 Maureen Street**  
**Thunder Bay, Ontario.**  
**P7B 6T2**

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May 11, 2017

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## **Summary**

Rockex Mining Corporation owns 41 units in 5 claims property in the surroundings of East Lake St. Joseph area on its East Soules Bay Property, near highway 599 en route to Pickle Lake. The property is located 50 kilometers south of Pickle Lake near Osnaburgh village of the Mishkeegogamang First Nation in the Patricia Mining Division.

A crew composed of a geologist and his assistant made the trip to the property and carried out a geophysical survey from May 03 to May 04. The instrument called Beep Mat was rented out from the Ministry of Northern Development and Mines in Thunder Bay, and consists in measuring the magnetism and conductivity in the ground to a depth of 3.0 meters. To reach the property, an Air-Boat was necessary for safety travelling on the ice at this time of the year.

The survey took in excess of 4 hours of traverse in the field with the instrument as part of the 2 days of this expedition. Back to the office in Thunder Bay, the results have been downloaded in the computer and interpreted to produce this report, which report will be used for assessment work for the claims.

The costs amounted at **\$5,583** in total for the 2 days out in the field, including transportation and living as well as 3 days needed at building the report. The 3 samples taken in the field were not enough representatives for analysis so they were simply kept in our office here in Thunder Bay for later references.

## **Recommendations**

The Beep Mat instrument is an inexpensive way to do geophysics in the field. It is used to find conductors and magnetic anomalies in the ground as an easy prospecting tool. However, the instrument has severe limitations with its 3.0 meters penetration and the poor volume of data that it can generate.

Taking for account that a high resolution airborne magnetic survey was done over the property in 2012, this is recommended to do a ground geophysical survey at a larger scale with deeper resolution, to generate diamond drill targets and evaluate the potential in volume and grade of the iron content on the property.

## **Introduction**

East Soules Bay deposit consists in a low to medium grade magnetite iron formation called the North Zone Deposit by Sage and Breaks (1982) hosted within clastic meta-sedimentary rocks and mafic flows to the north. The segment of this iron formation straddles the Rockex property at approximately 075° azimuth, and includes a large portion of the estimated Fe reserves.

East Soules Bay property is in Riach Lake area of Patricia mining district some 25 kilometers west of highway 599 en route to Pickle Lake. This expedition to the property has been planned for the purpose of assessment work needed for claims 4244438, 4267101 and 4267102. A team of two headed to the property on May 03<sup>rd</sup>, 2017 in an “Air Boat” (flat boat with closed cabin and powerful propeller) moving on the icy waters of Lake St-Joseph with a “Beep Mat” instrument borrowed to the Ministry of Development and Mines (MNDM). The Beep Mat permits to detect magnetic susceptibility and electromagnetic (EM) conductivity. The survey consists in crossing the contact between the mafic volcanic rocks to the north and south through the iron formation contact.

## **Property, Location, Access, and Physiography**

The East Soules Bay Property is located approximately 489 km north-east of Thunder Bay, off highway 17 at Ignace by taking highway 599 to Pickle Lake. It can be accessed by water off highway 599 on the east end of Lake St-Joseph from a bridge where it narrows (*see figure 1*).

The property consists of 5 claims of 41 units (656 hectares) that are 100% owned by Rockex Mining Corporation. They are contained within the Patricia Mining Division and centered on latitude 676,515 East and longitude 5,657,420 North, within the Riach Lake Area (Claim Map G-2184), and NTS block 52O/01SW (*see figures 2 and 3, and table 1*).

The relief is rather flat with swamps, marshes and variable growths of black spruce, larch, and tag alder. The area also supports a large number of lakes with a strong southwesterly grain due to the passage of the ice sheet. The level of Lake St-Joseph is variable because its natural drainage has been diverted by a dam erected at the northeast outlet of the lake. Many streams are inter-connected in a network between the small and larger water plants.

The Osnaburgh Reserve is on Lake St-Joseph across highway 599 one kilometers east of Doghole Bay. The members of the reserve are by the hundreds and members of the Mishkeegogamang First Nation of the Ojibway tribe. The reserve is just a few kilometers north of the property and Rockex is actively consulting with Mishkeegogamang.

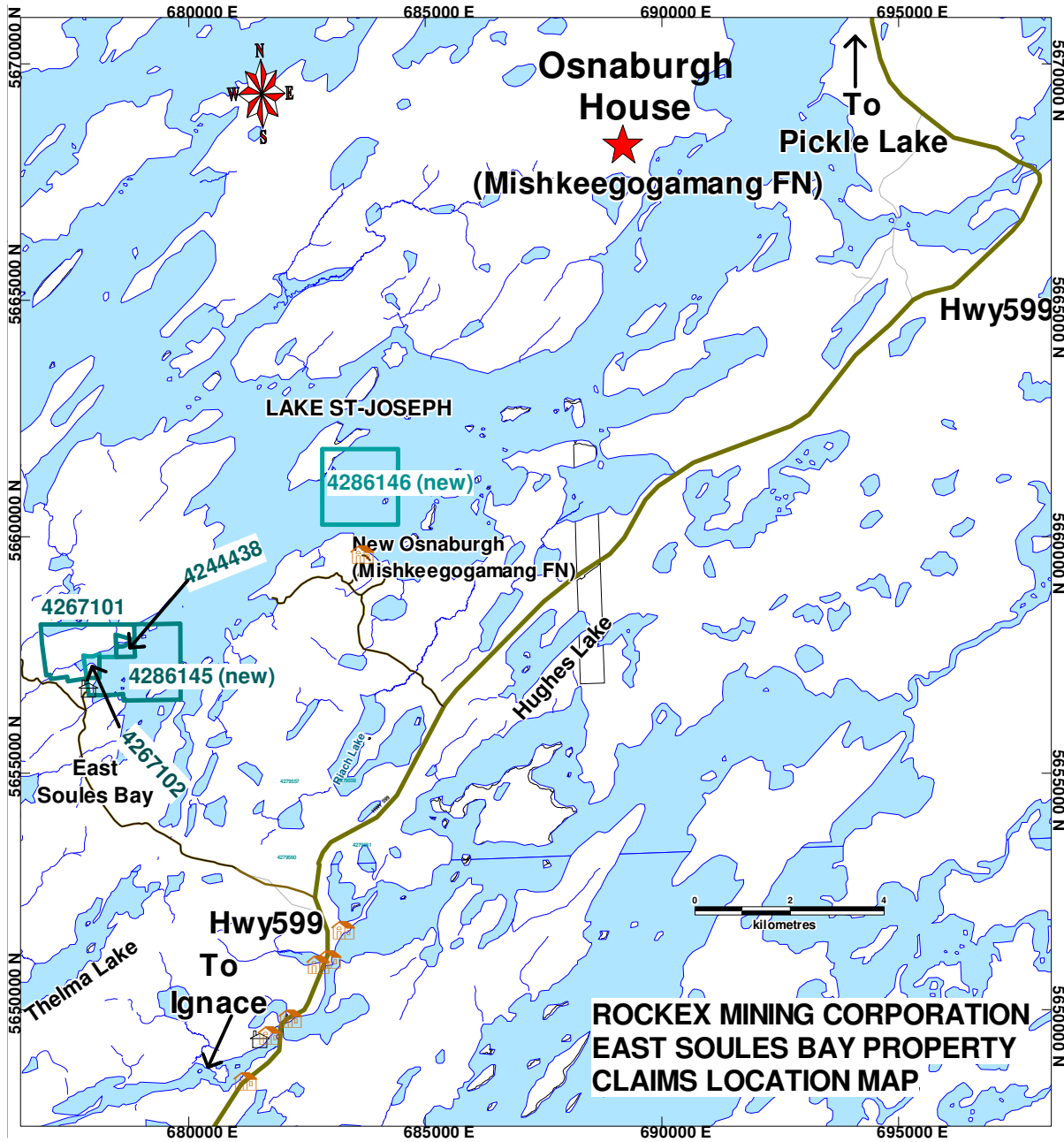


Figure 1: Ontario Location Map

**Rockex Mining Corporation - 410638**

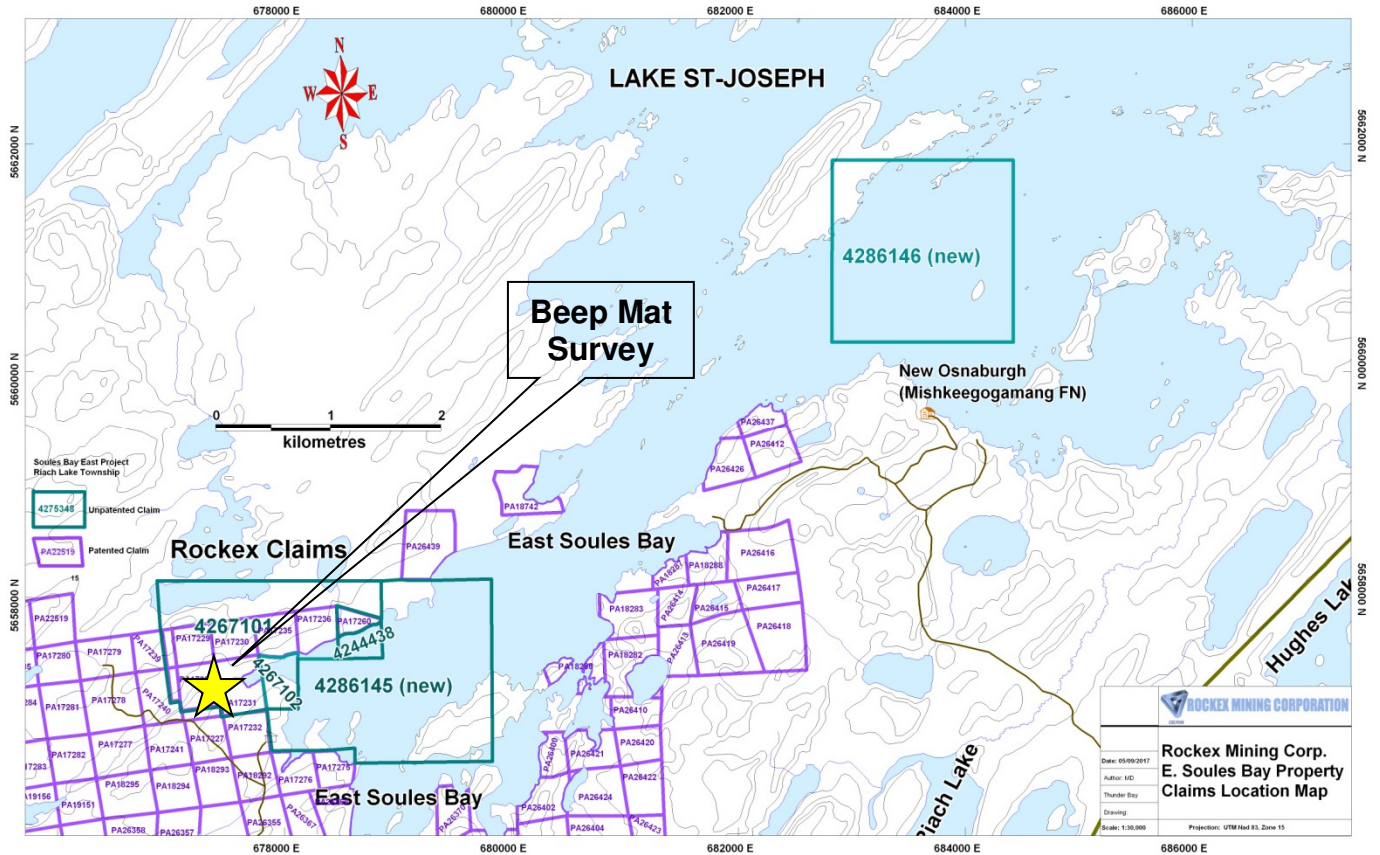
Township / Area	Claim ID	Recording Date	Claim Due Date	# Units	# Hectares	Work Required
RIACH LAKE AREA	4244438	2015-May-25	2017-May-25	1	16	\$400
RIACH LAKE AREA	4267101	2011-May-20	2017-May-20	8	128	\$3,200
RIACH LAKE AREA	4267102	2011-May-20	2017-May-20	1	16	\$400
RIACH LAKE AREA	4286145	2017-Mar-17	2019-Mar-17	15	240	\$6,000
RIACH LAKE AREA	4286146	2017-Mar-17	2019-Mar-17	16	256	\$6,400
<b>5 claims</b>				<b>41</b>	<b>656</b>	

**Table 1: Claim Status**



**Figure 2: East Soules Bay Location Map**





**Figure 3: East Soules Bay Claims Map (scale 1:30,000 on 11”x17” in appendix I)**

**Work History**

- 1922:** The area was mapped by E. L. Bruce.
- 1933:** Subsequent mapping was carried out by W. S. Dyer.
- 1959 to 1960:** The Ontario Department of Mines and the Geological Survey of Canada joined force together to carry out a large regional airborne magnetometer survey and mapping program.
- 1965:** A. M. Goodwin submitted report No. 42 on Geology of Pashkokogan Lake – Eastern Lake St. Joseph Area on his detailed mapping of the area for the Ontario Department of Mines. His report includes his estimation of iron ore reserves in eastern Lake St. Joseph.
- 1985 & 2007:** The Ministry of Northern Development and Mines updated and summarized the geology and iron ore reserves on the Eastern Lake St. Joseph based on 1965 Goodwin report No. 42.



**2012: Heliborne High Resolution Aeromagnetic Survey over the East Soules Bay  
Property of Rockex Mining Corporation by Geo Data Solutions GDS Inc. of  
Laval, Quebec.**

**Regional Geology**

The bedrock in Eastern Lake St. Joseph is characteristically of Precambrian age. It comprises an older assemblage of metasediments and metavolcanics as well as associated mafic intrusions such as younger felsic intrusions and diabases. The unconsolidated till, sand, gravel and clay are chiefly of Pleistocene age.

The older assemblage comprises interzoned metasediments and metavolcanics. Metasediments form the lower part of the sequence. They are conformably overlain by a substantial thickness of assorted felsic to mafic volcanic rocks with which several thinner zones of metasediments are associated.

Metasediments consist mainly of quartz-mica schist, arkose, greywacke, staurolite-garnet-andalusite schist, pebble conglomerate and banded iron formation. All iron formation of economic interest is contained in the main sedimentary zone that lies in the lower part of the rock sequence.

Metavolcanics consist predominantly of felsic to mafic tuffs, flows, breccias and metamorphic equivalents. Occasional dikes, sills and larger irregular masses of metadiorite or metagabbro are present.

Granitic stocks up to 9 kilometers in diameter are present in the older rocks. In addition, the south border of the area is underlain by younger granite gneiss and migmatite. Fewer dikes of fresh diabase were found to intrude into metavolcanics.

See figure 4 below;

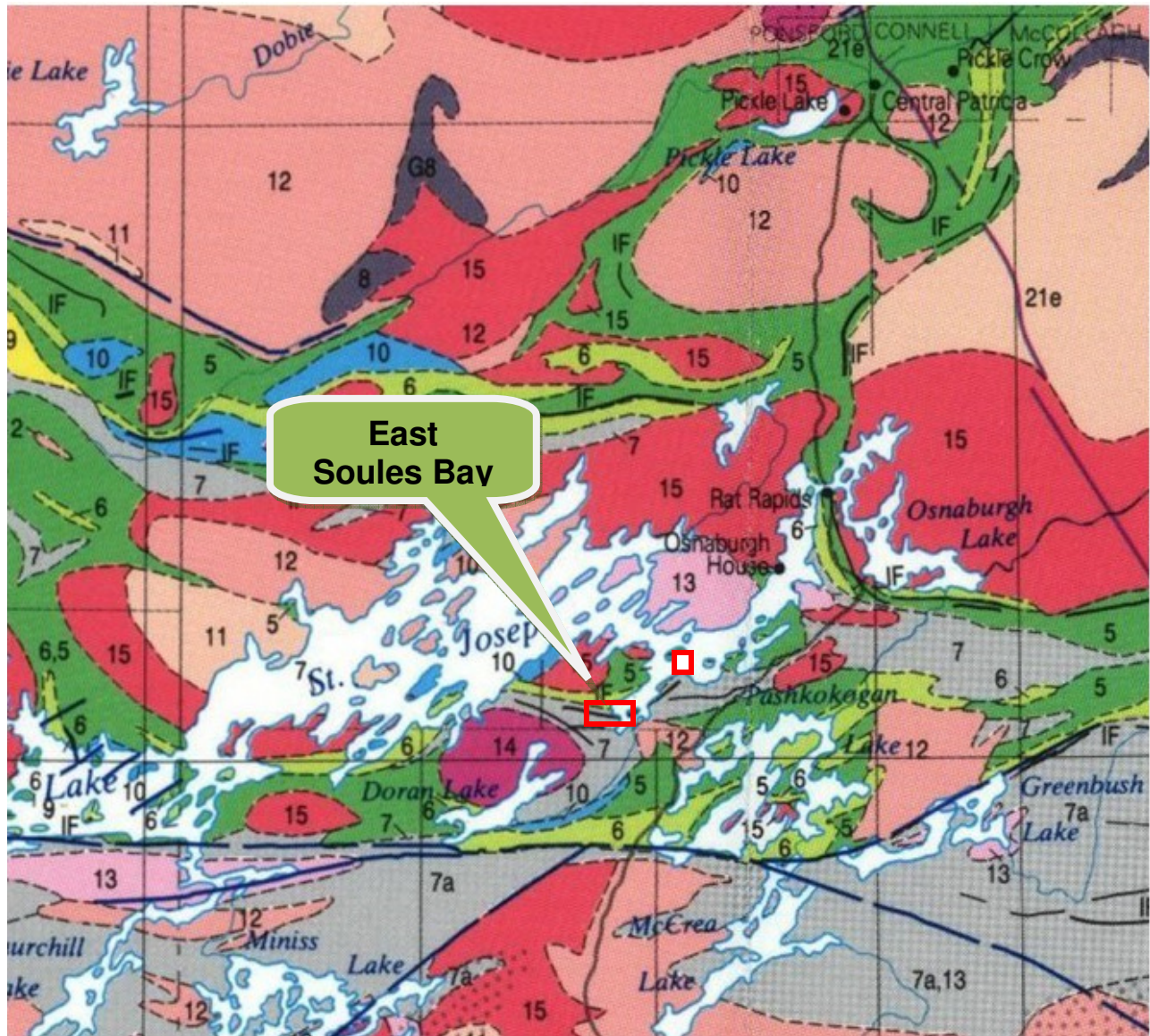


Figure 4: Regional Geology Map

- 5 Mafic Metavolcanics - green
- 6 Felsic to Intermediate Metavolcanics – light green
- 7 Meta Sediments including Chemical Sediments Iron Formation - grey
- 10 Ultramafics – blue
- 12 Tonalite – dark pink
- 13 Muscovite bearing granitic rocks – pink
- 14 Diorite-Monzonite-Granodiorite suite - purple
- 15 Massive granodiorite to granite - red

## **Property Geology**

The East Soules Bay Property of Eastern Lake St. Joseph consists in a medium grade magnetite iron formation deposit named the North Zone hosted within a clastic metasedimentary rock sequence (Goodwin 1965). The metasedimentary sequence is reported to consist of a variety of lithologies ranging from conglomerates to argillite, and is intercalated with metavolcanic tuff and amphibolite units. The iron formations are reported by Goodwin (1965) to be closely associated with argillaceous schist units that occur near the upper (northern) contact of the metasedimentary sequence with an overlying metavolcanic rock-dominated assemblage. The iron formation is described by Goodwin (1965) as banded iron formation consisting of alternating 1 to 25cm thick layers of black magnetite-rich material, white quartz-rich layers, and grey-green-brown silicate-rich (clastic sediment-dominated) layers. The richest zones with highest concentration of magnetite layers are reported to occur near the northern contact. Goodwin (1965) reports that the rocks of this area lie on the north limb of an east-northeast trending, and east-northeast plunging (30-60°) anticline. This limb of the structure is overturned, with bedding generally reported to dip between 60-80° towards the south. Smaller scale complex folding of the iron formation is also reported by Goodwin (1965), with numerous reversals in younging direction noted in various portion of the deposit.

The portion of the North Zone hosted within Rockex claims fills the southern half of the claims, and ranges up to 300 meter in width with a minimum of 150 meters in depth reported by old drilling (Goodwin, 1965). The strike direction is about 105° with dips varying from 55 to 80° toward the south. Sage and Breaks (1982) report reserves in the hundreds of millions tonnes grading 23.78% Fe for the North Zone to a depth of 122 meters.

## **Property Beep Mat Prospecting Survey**

The Beep Mat prospecting survey was completed at the Rockex East Soules Bay property on May 03<sup>rd</sup>, 2017 by the author of this report (Mitch Dumoulin, P. Geo) and his geological assistant (Jerry Nichols). A decision to do field work was necessary to fill the needs of assessment work in relation with the claims. The geological data is fairly poor concerning the property but an airborne survey has been flown in 2012 (GDS report) localizing the North Zone iron formation in the southern part of the claims. After planning a traverse crossing the range of where the contact of this iron formation should be, Rockex rented for free a Beep Mat Model BM8 instrument to the Ministry of Northern Development and Mines (MNDM) at their office in Thunder Bay (see instructions and free rental in appendix III).

On May 03<sup>rd</sup>, 2017 a crew of 2 persons, Jerry and myself, took the road from Thunder Bay heading out to the town of Ignace on highway 17 then taking highway 599 on the right en route to Pickle Lake some 590 kilometers away from Thunder Bay. The pickup truck was pulling what is called an AIR-BOAT that consists in a flat base boat propelled by a propeller geared on a 400 horse power engine at the back of the boat. This mean



of transport was the only way to get to the property at this time of the year when the ice on the lake is thinning ready for break up. The landing site to get to the property is at Ace Lake some 50 kilometers south of Pickle Lake on Mishkeegogamang First Nation land. With their permission, we manage to land the boat on the thin ice and head to the Soules Bay property without any incident.

The traverse took place in a branch of the bay using the usual tools such as a compass and a handheld GPS Garmin GpsMap 60Cx, aiming at the pre-planned points to cross the iron formation contact several times and recording waypoints and tracks (see data in appendix II and on tables 2 and 3 below).

The traverse consisted at pulling the Beep Mat instrument and taking regular waypoints and readings out of it specifically because the Beep Mat did not have a connected GPS and antenna provided with it so it had to be done manually (see figure 5 below). The whole work was done on claim 4267101 that is notably contiguous to all the other ones in that area. Also, 3 rock grab samples have been taken on otherwise poorly outcropping area. Samples ESB17-001, ESB17-002 and ESB17-003 consist respectively in banded iron formation, chloritic mafic volcanic and un-expectedly to the north in another banded iron formation suggesting the irregularity of the North Zone banded iron formation. The samples are located on figures 5 and 7 and were not sent to analysis at the laboratory because they were not enough representatives. However, the pictures of these samples can be seen in figure 6 below.

Version 2:CSV  
 Datum: NAD83  
 ZoneOffset 0

Type	Name	Col	ZoneNum	ZoneChar	Eastings	Northing	Month#	Day#	Year	Hour	Min	Sec	Altitude (M)	Depth (M)	Temp (Deg)	Units	DP	DS	DT	VP (m/sec)	TP	
N	ACTIVE LOK	15	U		677782.1	5657408	5	3	2017	18	30	7	377.4548	1.00E+25	1.00E+25	M		0	0	0	INF	-
T		15	U		677782.6	5657408	5	3	2017	18	30	50	375.5321	1.00E+25	1.00E+25	M	0.4688	0.4688	0.4688	0.010903	43	
T		15	U		677782.7	5657411	5	3	2017	18	31	14	377.9354	1.00E+25	1.00E+25	M	2.3469	2.8157	2.8157	0.097787	24	
T		15	U		677782.7	5657410	5	3	2017	18	31	30	376.0128	1.00E+25	1.00E+25	M	0.2333	3.049	3.049	0.014581	16	
T		15	U		677783.4	5657411	5	3	2017	18	31	53	374.5708	1.00E+25	1.00E+25	M	0.6976	3.7466	3.7466	0.030331	23	
T		15	U		677781.9	5657409	5	3	2017	18	32	22	375.0515	1.00E+25	1.00E+25	M	2.3432	6.0898	6.0898	0.0808	29	
T		15	U		677781.2	5657408	5	3	2017	18	32	46	373.1289	1.00E+25	1.00E+25	M	0.9897	7.0796	7.0796	0.041239	24	
T		15	U		677776.7	5657408	5	3	2017	18	33	0	374.5708	1.00E+25	1.00E+25	M	4.4686	11.5481	11.5481	0.319183	14	
T		15	U		677773.1	5657410	5	3	2017	18	33	11	375.5321	1.00E+25	1.00E+25	M	3.9572	15.5053	15.5053	0.359744	11	
T		15	U		677771.7	5657412	5	3	2017	18	33	32	375.0515	1.00E+25	1.00E+25	M	2.4947	18	18	0.118795	21	
T		15	U		677767.8	5657413	5	3	2017	18	33	53	374.5708	1.00E+25	1.00E+25	M	4.0075	22.0075	22.0075	0.190832	21	
T		15	U		677762.7	5657418	5	3	2017	18	34	7	374.5708	1.00E+25	1.00E+25	M	7.5797	29.5871	29.5871	0.541404	14	
T		15	U		677755.9	5657423	5	3	2017	18	34	19	378.4161	1.00E+25	1.00E+25	M	8.0574	37.6446	37.6446	0.671451	12	
T		15	U		677749.8	5657428	5	3	2017	18	34	36	382.7421	1.00E+25	1.00E+25	M	7.7064	45.351	45.351	0.453318	17	
T		15	U		677742.6	5657430	5	3	2017	18	34	54	383.2227	1.00E+25	1.00E+25	M	7.6874	53.0383	53.0383	0.427075	18	
T		15	U		677736.8	5657430	5	3	2017	18	35	11	382.2614	1.00E+25	1.00E+25	M	5.7791	58.8174	58.8174	0.339948	17	
T		15	U		677730.7	5657429	5	3	2017	18	35	25	376.9742	1.00E+25	1.00E+25	M	6.3158	65.1332	65.1332	0.451129	14	
T		15	U		677722.3	5657427	5	3	2017	18	35	42	378.8969	1.00E+25	1.00E+25	M	8.5293	73.6626	73.6626	0.501725	17	
T		15	U		677720.5	5657422	5	3	2017	18	35	54	381.3	1.00E+25	1.00E+25	M	5.5627	79.2253	79.2253	0.463561	12	
T		15	U		677719.5	5657419	5	3	2017	18	36	7	380.3387	1.00E+25	1.00E+25	M	2.975	82.2003	82.2003	0.228847	13	
T		15	U		677716.4	5657422	5	3	2017	18	36	24	382.7421	1.00E+25	1.00E+25	M	4.1059	86.3062	86.3062	0.241521	17	
T		15	U		677716.8	5657427	5	3	2017	18	36	36	379.858	1.00E+25	1.00E+25	M	5.1609	91.4671	91.4671	0.430073	12	
T		15	U		677718.6	5657428	5	3	2017	18	36	55	385.1454	1.00E+25	1.00E+25	M	2.3232	93.7903	93.7903	0.122276	19	
T		15	U		677719.4	5657432	5	3	2017	18	37	32	384.1841	1.00E+25	1.00E+25	M	4.0458	97.8361	97.8361	0.109347	37	
T		15	U		677721	5657437	5	3	2017	18	37	42	384.1841	1.00E+25	1.00E+25	M	5.0943	102.9304	102.9304	0.509427	10	
T		15	U		677711.9	5657438	5	3	2017	18	38	5	383.7032	1.00E+25	1.00E+25	M	9.212	112.1424	112.1424	0.400521	23	
T		15	U		677705.7	5657442	5	3	2017	18	38	23	382.2614	1.00E+25	1.00E+25	M	6.9389	119.0813	119.0813	0.385495	18	
T		15	U		677700	5657444	5	3	2017	18	38	42	382.2614	1.00E+25	1.00E+25	M	6.2095	125.2908	125.2908	0.326816	19	
T		15	U		677698.3	5657444	5	3	2017	18	38	57	379.858	1.00E+25	1.00E+25	M	1.6834	126.9742	126.9742	0.112228	15	
T		15	U		677703.5	5657441	5	3	2017	18	39	31	384.6648	1.00E+25	1.00E+25	M	5.8857	132.8599	132.8599	0.173108	34	
T		15	U		677701.1	5657439	5	3	2017	18	40	4	384.1841	1.00E+25	1.00E+25	M	3.4301	136.29	136.29	0.103941	33	
T		15	U		677699.9	5657438	5	3	2017	18	40	22	383.7032	1.00E+25	1.00E+25	M	1.3479	137.6378	137.6378	0.074882	18	
T		15	U		677703.3	5657439	5	3	2017	18	40	45	386.5874	1.00E+25	1.00E+25	M	3.5725	141.2103	141.2103	0.155326	23	
T		15	U		677703.8	5657440	5	3	2017	18	41	19	386.1067	1.00E+25	1.00E+25	M	0.879	142.0894	142.0894	0.025854	34	

Table 2 East Soules Bay Beep Mat Traverse GPS Tracks (see all in appendix II)

Version 2:CSV

Datum: NAD83

ZoneOffset

Type	Name	ZoneNum	ZoneChar	Easting	Northing	Month#	Day#	Year	Hour	Min	Sec	Comment	Symbol#	SymbolColor	SymbolDisj	Altitude (M)	Depth (M)	Temp (Deg)	Ref Dist	Ref units
		0																		
W		1	15 U	677362.4186	5657410.886	5	3	2017	15	47		16 03-MAY-17 3:47:16	8286	Default Color S+N		380.0841	1.00E+25	1.00E+25	491127.7	M
W		15 U		677348.6653	5657596.494	5	3	2017	16	44		50 03-MAY-17 4:44:50	8286	Default Color S+N		395.7053	1.00E+25	1.00E+25	491254.8	M
W	ACE L. LANDING	15 U		689683.004	5660727.017	5	2	2017	13	44		48 02-MAY-17 1:44:48	8286	Default Color S+N		1.00E+25	1.00E+25	1.00E+25	483754.6	M
W	ESB 1	15 U		677620.0048	5657431.013	5	1	2017	17	13		59 01-MAY-17 5:13:59	8286	Default Color S+N		193.5897	1.00E+25	1.00E+25	490940.4	M
W	ESB 2	15 U		677578.0014	5657320.013	5	1	2017	17	15		39 01-MAY-17 5:15:39	8286	Default Color S+N		205.3658	1.00E+25	1.00E+25	490903.4	M
W	ESB 3	15 U		677494.0045	5657341.01	5	1	2017	17	16		53 01-MAY-17 5:16:53	8286	Default Color S+N		215.9402	1.00E+25	1.00E+25	490981.7	M
W	ESB 4	15 U		677528.0026	5657490.015	5	1	2017	17	18		31 01-MAY-17 5:18:31	8286	Default Color S+N		203.2028	1.00E+25	1.00E+25	491048.8	M
W	ESB 5	15 U		677429.0021	5657535.016	5	1	2017	17	19		42 01-MAY-17 5:19:42	8286	Default Color S+N		206.8077	1.00E+25	1.00E+25	491153.9	M
W	ESB 6	15 U		677349.0005	5657377.013	5	1	2017	17	20		56 01-MAY-17 5:20:56	8286	Default Color S+N		203.6835	1.00E+25	1.00E+25	491116.9	M
W	ESB 7	15 U		677251.0032	5657401.013	5	1	2017	17	22		17 01-MAY-17 5:22:17	8286	Default Color S+N		202.9624	1.00E+25	1.00E+25	491208	M
W	ESB 8	15 U		677327.0039	5657580.01	5	1	2017	17	23		40 01-MAY-17 5:23:40	8286	Default Color S+N		192.8688	1.00E+25	1.00E+25	491261.3	M
W	ESB BRIDGE	15 U		697932.0026	5667782.016	5	2	2017	9	41		26 02-MAY-17 9:41:26	8286	Default Color S+N		1.00E+25	1.00E+25	1.00E+25	482122.6	M
W	ESB START	15 U		677786.0046	5657376.016	5	1	2017	16	58		46 01-MAY-17 4:58:46	8286	Default Color S+N		1.00E+25	1.00E+25	1.00E+25	490777.1	M
W	ESB17-001	15 U		677294.3197	5657368.287	5	3	2017	16	3		40 03-MAY-17 4:03:40	8286	Default Color S+N		380.0841	1.00E+25	1.00E+25	491153.8	M
W	ESB17-002	15 U		677328.3824	5657520.363	5	3	2017	16	31		57 03-MAY-17 4:31:57	8286	Default Color S+N		397.1473	1.00E+25	1.00E+25	491222.8	M
W	ESB17-003	15 U		677350.5545	5657599.544	5	3	2017	16	51		21 03-MAY-17 4:51:21	8286	Default Color S+N		389.6971	1.00E+25	1.00E+25	491255.3	M
W	Pierre Cabin	15 U		677673.9776	5657380.985	5	3	2017	17	19		49 03-MAY-17 5:19:49	8286	Default Color S+N		382.0067	1.00E+25	1.00E+25	490867.1	M
W	Pt 10	15 U		677644.851	5657488.782	5	3	2017	17	12		14 03-MAY-17 5:12:14	8286	Default Color S+N		380.5648	1.00E+25	1.00E+25	490957.4	M
W	Pt 11	15 U		677652.7481	5657402.199	5	3	2017	17	16		40 03-MAY-17 5:16:40	8286	Default Color S+N		376.9598	1.00E+25	1.00E+25	490986.9	M
W	Pt 1B	15 U		677546.2783	5657375.258	5	3	2017	15	2		27 03-MAY-17 3:02:27	8286	Default Color S+N		391.8601	1.00E+25	1.00E+25	490962.6	M
W	Pt 5B	15 U		677397.5767	5657497.987	5	3	2017	15	41		11 03-MAY-17 3:41:11	8286	Default Color S+N		387.0536	1.00E+25	1.00E+25	491155.1	M
W	Pt 5C	15 U		677372.8307	5657461.02	5	3	2017	15	44		29 03-MAY-17 3:44:29	8286	Default Color S+N		372.8743	1.00E+25	1.00E+25	491151.1	M
W	Pt 5D	15 U		677362.4067	5657410.717	5	3	2017	15	47		21 03-MAY-17 3:47:21	8286	Default Color S+N		380.3245	1.00E+25	1.00E+25	491127.6	M
W	Pt 6B O/C	15 U		677298.5656	5657374.824	5	3	2017	15	58		3 03-MAY-17 3:58:03	8286	Default Color S+N		391.3794	1.00E+25	1.00E+25	491154.6	M
W	Pt 7B	15 U		677294.4714	5657406.724	5	3	2017	16	18		17 03-MAY-17 4:18:17	8286	Default Color S+N		384.8906	1.00E+25	1.00E+25	491205	M
W	Pt 7C	15 U		677265.4115	5657433.127	5	3	2017	16	21		26 03-MAY-17 4:21:26	8286	Default Color S+N		383.2084	1.00E+25	1.00E+25	491216.9	M
W	Pt 7D	15 U		677307.0467	5657493.869	5	3	2017	16	25		57 03-MAY-17 4:25:57	8286	Default Color S+N		383.4487	1.00E+25	1.00E+25	491222.7	M
W	Pt 9	15 U		677532.2644	5657517.117	5	3	2017	17	5		43 03-MAY-17 5:05:43	8286	Default Color S+N		377.4404	1.00E+25	1.00E+25	491026.5	M

**Table 3 East Soules Bay Beep Mat Traverse GPS Waypoints (see in appendix II)**

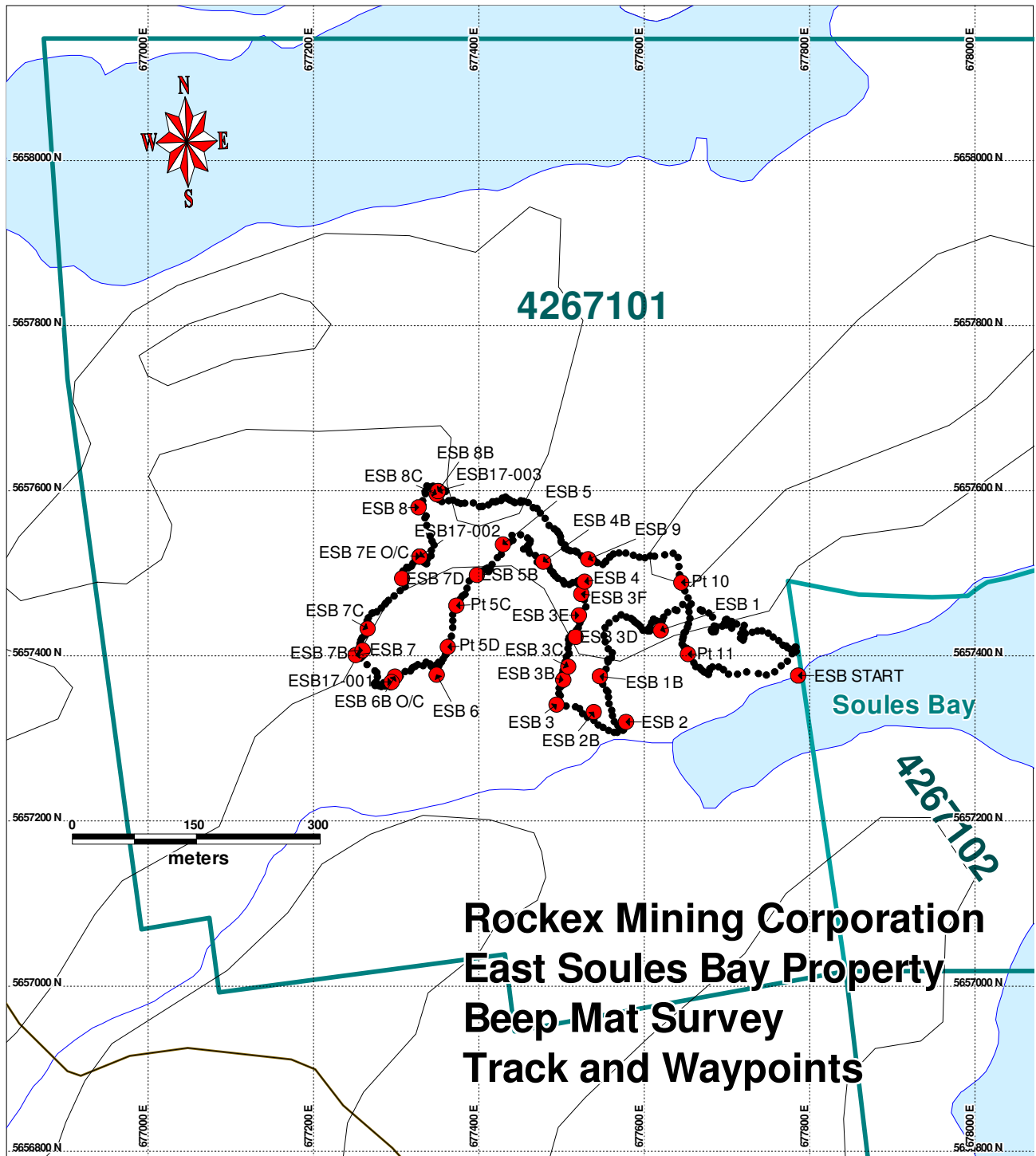


Figure 5 East Soules Bay Beep Mat Traverse Map with Tracks & Waypoints



**Figure 6 Photos illustrating the Equipment utilized for the Beep Mat Program**



Stop in Ignace with the covered AIR-BOAT



The author at Soules Bay site beside the AIR-BOAT & holding the Beep Mat unit





The author taking electronic readings in boreal type of forest



Physical unit of Beep Mat Model BM8 of Instrumentation GDD Inc.





Setting and close-up of first sample taken in iron formation domain (sample ESB17-001)





Samples ESB17-002 and ESB17-003

## Interpretation of the Beep Mat Data taken from the field at East Soules Bay

A close-up map of Claim 4267101 was drawn from Map Info to lay down the data collected in the field with the Beep Mat instrument. The map at scale 1:3,000 (see map in appendix II BM Interpretation and figure 7 below) contains all the values in relation with their location and waypoints along the prospecting traverse carried out on the property on the claim above. There are 3 types of values such as; LFR (low frequency value), HFR (high frequency value) and MAG (magnetic value) to measure the magnetism and conductivity in the ground down to 3 meters deep. The instrument had to be initialized regularly to reset all values by lifting the “sleigh part” above ground.

To create the map, we took the HFR values which were very closely representing the same values as the MAG values, all of them normally negative. From there, we’ve made a triangulation of the results to create an anomaly grid with iso-curves equalizing the values from strong to weak that gives the pattern resulting on the map. To finish up the interpretation, the coarse red dash lines are representing the high magnetic corridors versus the low magnetic ones. To help with the interpretation, we consulted the data from Rockex Heliborne Aeromagnetic Survey flown over the property as it was in 2012.

The interpretation suggests a mass of high magnetic ground to the south that branches out to the west and with a narrower unit to the north-west. We understand that this interpretation is limited on the Rockex portion of the North Zone described in the upper paragraph by Goodwin (1965).

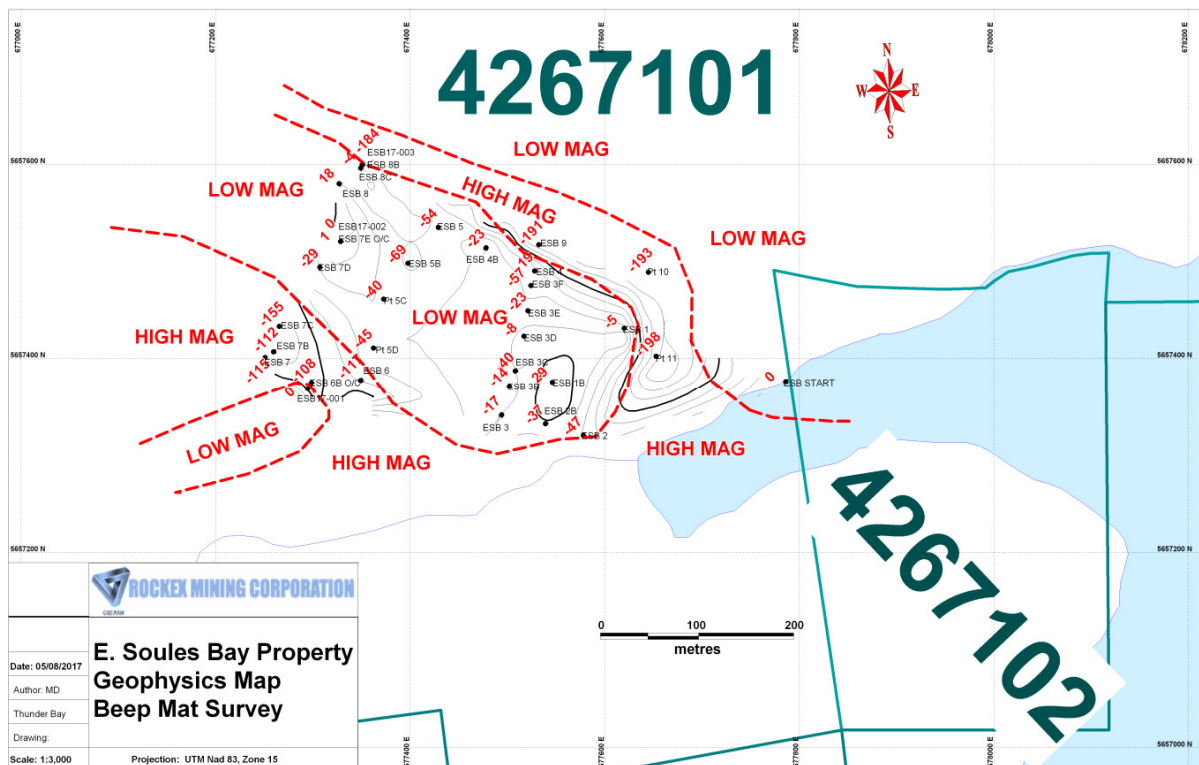



Figure 7: Magnetic/Conductivity Interpreted Anomaly Map (see in appendix II)

## Legend Beep Mat Interpretation

- Pt 11 Waypoint
- 54** Beep Mat High Frequency Value (HFR) similar to Mag Values
-  Triangulated lines from Beep Mat readings
-  Interpretation of the HRF/Mag Values

**Table 4: East Soules Bay Legend Beep Mat Interpretation (see in appendix II)**

### Conclusion

Rockex Mining Corporation and its East Soules Bay Property contains a portion of the North Zone Iron Formation Deposit described by Goodwin (1965), which deposit contains in itself more than 348,000,000 tons of ore, at a grade of 23.78% Fe over a length of 3.2km and more than 150m deep. The property is only 12km west of Highway 599 to Pickle Lake, and is relatively easy to access with the power line nearby.

The Beep Mat survey has been carried out on a limited grid to verify the response on the ground on the possible locations of the magnetic contacts. The Beep Mat is an inexpensive geophysical instrument and easy to perform in the field. However, the penetration of the frequencies is very limited and it warrants more ground geophysical work to determine the size and volume of the deposit, as well as further exploration work such as diamond drilling to ultimately estimate the resources in iron ore within Rockex's claims.

## **Costs of Travelling from May 03<sup>rd</sup> and May 05<sup>th</sup>, 2017 between Thunder Bay and Pickle Lake to perform the Beep Mat Mag & Conductivity Survey**

The travel costs below include the work done for the Beep Mat Survey on May 03<sup>rd</sup>, 2017 to May 05<sup>th</sup>, 2017 with starting business base and return from Thunder Bay, Ontario. To reach the property, we must turn right at Ignace off highway 17 en route to Pickle Lake and drive roughly 296km on highway 599 through Ace Lake where the landing is for the Air Boat. Ace Lake is on Mishkeegogamang First Nation land near Osnaburgh village some 50km south of Pickle Lake. Details are described below;

May 03 Field Work on the Property including travel for the day to Pickle Lake Geologist and Assistant (\$800 + \$600) .....	\$1,400
Meals for 2 persons on the 2 days trip to Pickle Lake (see receipts in appdix IV) .....	\$170
Accommodation night stay for 2 people in Pickle Lake (see receipts in appdix IV) ...	\$248
Total Gas needed to travel to site and back to base in Thunder Bay, including gas for the Air-Boat to reach the property travelling on ice (see receipts in addendum) ..	\$565
Compilation, Creation, Time to make the Report & build Maps (4 days x \$800) ....	\$3,200
<b>Total for Beep Mat Prospecting Program.....</b>	<b>\$5,583</b>

## **References**

- Goodwin A. M., 1965. Geology of Pashkokogan Lake – Eastern Lake St. Joseph Area, Geological Report No. 42, Ontario Department of Mines, 75p.*
- Geo Data Solution GDS Inc., Heliborne High Resolution Aeromagnetic Survey, Soules Bay Property, Pickle Lake Area, Ontario, June 2012*
- MNDM, 2007 MDI electronic document, MDI52O01SW00003, Lake St. Joseph North Zone – 1985, Soules Bay – 1985.*
- Sage R. P. and Breaks F. W., OGS Report 207, Geology of the Cat Lake – Pickle Lake Area, District of Kenora and Thunder Bay, 1982, 261 p.*



## Certificate of Qualifications

I, **Mitch Dumoulin**, of 507 McMaster St., Thunder Bay, Ontario, do hereby certify that:

1. I hold a ***Bachelor of Science Degree in Geology (1981)*** from Université du Québec à Chicoutimi, Chicoutimi, Québec;
2. I am a member of the Association of Professional Geoscientists of Ontario (P.Geo Registration #0304).
3. I have practiced my profession in Ontario and Quebec since 1981 and have been employed directly by several large mining and exploration companies and also several junior mining companies;
4. I am presently an employee of Pierre Gagné Contraction based in Thunder Bay, Ontario but also indirectly employed to Rockex Mining Corporation as Principal Geologist for the company;
5. I have supervised numerous projects similar to that represented by the East Soules Bay Project, also a 'Qualified Person' in the context of National Instrument 43-101, and have been employed as such by Rockex Mining Corporation. I consider this report to be accurate in all respects;
6. Permission is granted to Rockex to use this report in a prospectus or other financial offering.

Dated May 11, 2017 at Thunder Bay, Ontario.

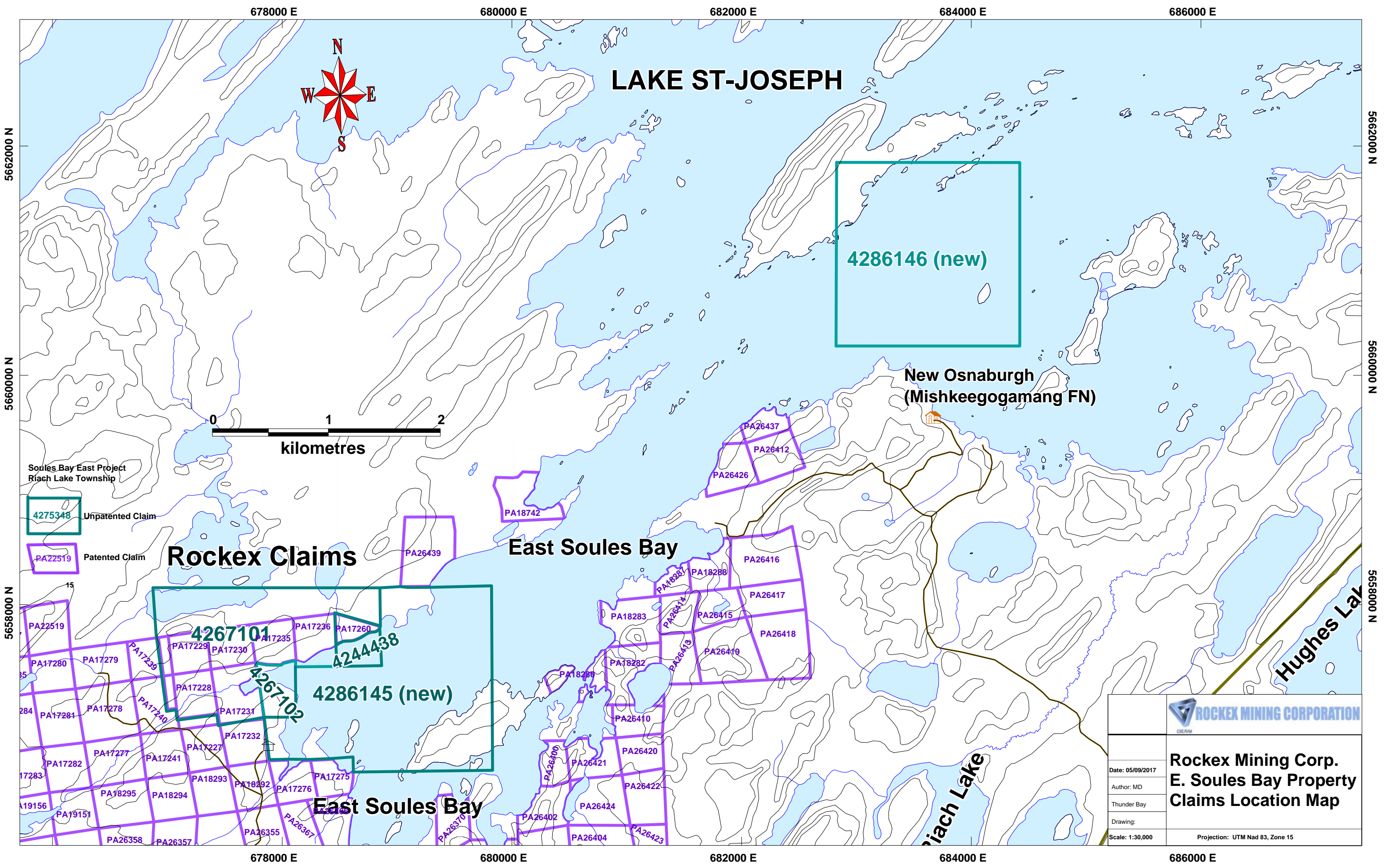


Mitch Dumoulin., P.Geo  
Principal Geologist  
Rockex Mining Corporation



**Appendix I**  
**Rockex Mining Corporation**  
**2017 East Soules Bay**  
**Claims Location Map**

**-Map at 1:30,000 on 11" x 17" paper**



# LAKE ST-JOSEPH

4286146 (new)

New Osnaburgh  
(Miskeegogamang FN)

0 1 2  
kilometres

Soules Bay East Project  
Riach Lake Township

4275348 Unpatented Claim  
PA22519 Patented Claim

Rockex Claims

East Soules Bay

4267101  
4267102  
4244438  
4286145 (new)

East Soules Bay



Date: 05/09/2017	<b>Rockex Mining Corp.</b> <b>E. Soules Bay Property</b> <b>Claims Location Map</b>
Author: MD	
Thunder Bay	
Drawing:	
Scale: 1:30,000	
Projection: UTM Nad 83, Zone 15	

Hughes Lake

Riach Lake

678000 E 680000 E 682000 E 684000 E 686000 E

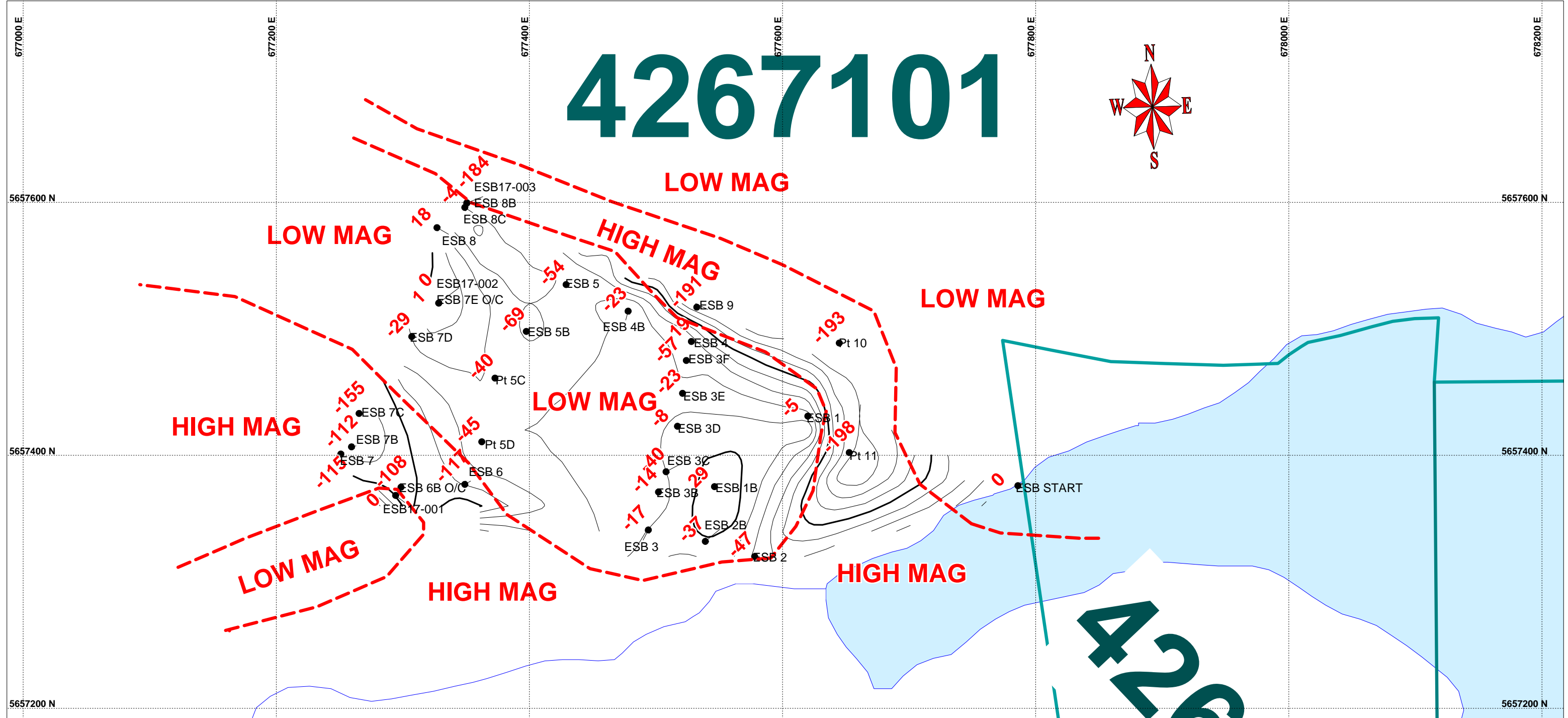
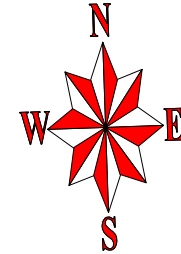
5662000 N  
5660000 N  
5658000 N

5662000 N  
5660000 N  
5658000 N

**Appendix II**  
**Rockex Mining Corporation**  
**2017 East Soules Bay**  
**Beep Mat Field Data**

- Tracks sheet**
- Waypoint sheet**
- Map of interpreted results at 1:3,000 on 11" x 17" paper**
- Legend of the interpreted results map**

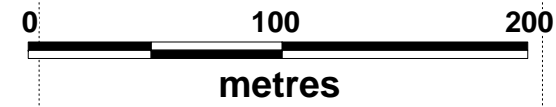
# 4267101



## E. Soules Bay Property Geophysics Map Beep Mat Survey

Date: 05/08/2017  
Author: MD  
Thunder Bay  
Drawing:  
Scale: 1:3,000

Projection: UTM Nad 83, Zone 15



# 4267101

Version 2:CSV

Datum: NAD83

ZoneOffset 0

Type	Name	ZoneNum	ZoneChar	Easting	Northing	Month#	Day#	Year	Hour	Min	Sec	Comment	Symbol#	SymbolColor	SymbolDis	Altitude (M)	Depth (M)	Temp Deg	Ref Dist	Ref units
W		1	15 U	677362.4186	5657410.886	5	3	2017	15	47	16	03-MAY-17 3:47:16	8286	Default Color S+N		380.0841	1.00E+25	1.00E+25	491127.7	M
W		2	15 U	677348.6653	5657596.494	5	3	2017	16	44	50	03-MAY-17 4:44:50	8286	Default Color S+N		395.7053	1.00E+25	1.00E+25	491254.8	M
W	ACE L. LANDING	15 U		689683.004	5660727.017	5	2	2017	13	44	48	02-MAY-17 1:44:48	8286	Default Color S+N		1.00E+25	1.00E+25	1.00E+25	483754.6	M
W	ESB 1	15 U		677620.0048	5657431.013	5	1	2017	17	13	59	01-MAY-17 5:13:59	8286	Default Color S+N		193.5897	1.00E+25	1.00E+25	490940.4	M
W	ESB 2	15 U		677578.0014	5657320.013	5	1	2017	17	15	39	01-MAY-17 5:15:39	8286	Default Color S+N		205.3658	1.00E+25	1.00E+25	490903.4	M
W	ESB 3	15 U		677494.0045	5657341.01	5	1	2017	17	16	53	01-MAY-17 5:16:53	8286	Default Color S+N		215.9402	1.00E+25	1.00E+25	490981.7	M
W	ESB 4	15 U		677528.0026	5657490.015	5	1	2017	17	18	31	01-MAY-17 5:18:31	8286	Default Color S+N		203.2028	1.00E+25	1.00E+25	491048.8	M
W	ESB 5	15 U		677429.0021	5657535.016	5	1	2017	17	19	42	01-MAY-17 5:19:42	8286	Default Color S+N		206.8077	1.00E+25	1.00E+25	491153.9	M
W	ESB 6	15 U		677349.0005	5657377.013	5	1	2017	17	20	56	01-MAY-17 5:20:56	8286	Default Color S+N		203.6835	1.00E+25	1.00E+25	491116.9	M
W	ESB 7	15 U		677251.0032	5657401.013	5	1	2017	17	22	17	01-MAY-17 5:22:17	8286	Default Color S+N		202.9624	1.00E+25	1.00E+25	491208	M
W	ESB 8	15 U		677327.0039	5657580.01	5	1	2017	17	23	40	01-MAY-17 5:23:40	8286	Default Color S+N		192.8688	1.00E+25	1.00E+25	491261.3	M
W	ESB BRIDGE	15 U		697932.0026	5667782.016	5	2	2017		9	41	26 02-MAY-17 9:41:26	8286	Default Color S+N		1.00E+25	1.00E+25	1.00E+25	482122.6	M
W	ESB START	15 U		677786.0046	5657376.016	5	1	2017	16	58	46	01-MAY-17 4:58:46	8286	Default Color S+N		1.00E+25	1.00E+25	1.00E+25	490777.1	M
W	ESB17-001	15 U		677294.3197	5657368.287	5	3	2017	16		3	40 03-MAY-17 4:03:40	8286	Default Color S+N		380.0841	1.00E+25	1.00E+25	491153.8	M
W	ESB17-002	15 U		677328.3824	5657520.363	5	3	2017	16	31	57	03-MAY-17 4:31:57	8286	Default Color S+N		397.1473	1.00E+25	1.00E+25	491222.8	M
W	ESB17-003	15 U		677350.5545	5657599.544	5	3	2017	16	51	21	03-MAY-17 4:51:21	8286	Default Color S+N		389.6971	1.00E+25	1.00E+25	491255.3	M
W	Pierre Cabin	15 U		677673.9776	5657380.985	5	3	2017	17	19	49	03-MAY-17 5:19:49	8286	Default Color S+N		382.0067	1.00E+25	1.00E+25	490867.1	M
W	Pt 10	15 U		677644.851	5657488.782	5	3	2017	17	12	14	03-MAY-17 5:12:14	8286	Default Color S+N		380.5648	1.00E+25	1.00E+25	490957.4	M
W	Pt 11	15 U		677652.7481	5657402.199	5	3	2017	17	16	40	03-MAY-17 5:16:40	8286	Default Color S+N		376.9598	1.00E+25	1.00E+25	490896.9	M
W	Pt 1B	15 U		677546.2783	5657375.258	5	3	2017	15		2	27 03-MAY-17 3:02:27	8286	Default Color S+N		391.8601	1.00E+25	1.00E+25	490962.6	M
W	Pt 5B	15 U		677397.5767	5657497.987	5	3	2017	15	41	11	03-MAY-17 3:41:11	8286	Default Color S+N		387.0536	1.00E+25	1.00E+25	491155.1	M
W	Pt 5C	15 U		677372.8307	5657461.02	5	3	2017	15	44	29	03-MAY-17 3:44:29	8286	Default Color S+N		372.8743	1.00E+25	1.00E+25	491151.1	M
W	Pt 5D	15 U		677362.4067	5657410.717	5	3	2017	15	47	21	03-MAY-17 3:47:21	8286	Default Color S+N		380.3245	1.00E+25	1.00E+25	491127.6	M
W	Pt 6B O/C	15 U		677298.5656	5657374.824	5	3	2017	15	58	3	03-MAY-17 3:58:03	8286	Default Color S+N		391.3794	1.00E+25	1.00E+25	491154.6	M
W	Pt 7B	15 U		677259.4714	5657406.724	5	3	2017	16	18	17	03-MAY-17 4:18:17	8286	Default Color S+N		384.8906	1.00E+25	1.00E+25	491205	M
W	Pt 7C	15 U		677265.4115	5657433.127	5	3	2017	16	21	26	03-MAY-17 4:21:26	8286	Default Color S+N		383.2084	1.00E+25	1.00E+25	491216.9	M
W	Pt 7D	15 U		677307.0467	5657493.869	5	3	2017	16	25	57	03-MAY-17 4:25:57	8286	Default Color S+N		383.4487	1.00E+25	1.00E+25	491222.7	M
W	Pt 9	15 U		677532.2644	5657517.117	5	3	2017	17	5	43	03-MAY-17 5:05:43	8286	Default Color S+N		377.4404	1.00E+25	1.00E+25	491062.5	M

Version 2:CSV

Datum: NAD83

ZoneOffset 0

Type	Name\Colc	ZoneNum	ZoneChar	Easting	Northing	Month#	Day#	Year	Hour	Min	Sec	Altitude (N	Depth (Me	Temp Deg	Units	DP	DS	DT	VP (m/sec)	TP	
N	ACTIVE LOC	15	U	677782.1	5657408	5	3	2017	18	30	7	377.4548	1.00E+25	1.00E+25	M		0	0	0	INF	-
T		15	U	677782.6	5657408	5	3	2017	18	30	50	375.5321	1.00E+25	1.00E+25	M	0.4688	0.4688	0.4688	0.010903	43	
T		15	U	677782.7	5657411	5	3	2017	18	31	14	377.9354	1.00E+25	1.00E+25	M	2.3469	2.8157	2.8157	0.097787	24	
T		15	U	677782.7	5657410	5	3	2017	18	31	30	376.0128	1.00E+25	1.00E+25	M	0.2333	3.049	3.049	0.014581	16	
T		15	U	677783.4	5657411	5	3	2017	18	31	53	374.5708	1.00E+25	1.00E+25	M	0.6976	3.7466	3.7466	0.030331	23	
T		15	U	677781.9	5657409	5	3	2017	18	32	22	375.0515	1.00E+25	1.00E+25	M	2.3432	6.0898	6.0898	0.0808	29	
T		15	U	677781.2	5657408	5	3	2017	18	32	46	373.1289	1.00E+25	1.00E+25	M	0.9897	7.0796	7.0796	0.041239	24	
T		15	U	677776.7	5657408	5	3	2017	18	33	0	374.5708	1.00E+25	1.00E+25	M	4.4686	11.5481	11.5481	0.319183	14	
T		15	U	677773.1	5657410	5	3	2017	18	33	11	375.5321	1.00E+25	1.00E+25	M	3.9572	15.5053	15.5053	0.359744	11	
T		15	U	677771.7	5657412	5	3	2017	18	33	32	375.0515	1.00E+25	1.00E+25	M	2.4947	18	18	0.118795	21	
T		15	U	677767.8	5657413	5	3	2017	18	33	53	374.5708	1.00E+25	1.00E+25	M	4.0075	22.0075	22.0075	0.190832	21	
T		15	U	677762.7	5657418	5	3	2017	18	34	7	374.5708	1.00E+25	1.00E+25	M	7.5797	29.5871	29.5871	0.541404	14	
T		15	U	677755.9	5657423	5	3	2017	18	34	19	378.4161	1.00E+25	1.00E+25	M	8.0574	37.6446	37.6446	0.671451	12	
T		15	U	677749.8	5657428	5	3	2017	18	34	36	382.7421	1.00E+25	1.00E+25	M	7.7064	45.351	45.351	0.453318	17	
T		15	U	677742.6	5657430	5	3	2017	18	34	54	383.2227	1.00E+25	1.00E+25	M	7.6874	53.0383	53.0383	0.427075	18	
T		15	U	677736.8	5657430	5	3	2017	18	35	11	382.2614	1.00E+25	1.00E+25	M	5.7791	58.8174	58.8174	0.339948	17	
T		15	U	677730.7	5657429	5	3	2017	18	35	25	376.9742	1.00E+25	1.00E+25	M	6.3158	65.1332	65.1332	0.451129	14	
T		15	U	677722.3	5657427	5	3	2017	18	35	42	378.8969	1.00E+25	1.00E+25	M	8.5293	73.6626	73.6626	0.501725	17	
T		15	U	677720.5	5657422	5	3	2017	18	35	54	381.3	1.00E+25	1.00E+25	M	5.5627	79.2253	79.2253	0.463561	12	
T		15	U	677719.5	5657419	5	3	2017	18	36	7	380.3387	1.00E+25	1.00E+25	M	2.975	82.2003	82.2003	0.228847	13	
T		15	U	677716.4	5657422	5	3	2017	18	36	24	382.7421	1.00E+25	1.00E+25	M	4.1059	86.3062	86.3062	0.241521	17	
T		15	U	677716.8	5657427	5	3	2017	18	36	36	379.858	1.00E+25	1.00E+25	M	5.1609	91.4671	91.4671	0.430073	12	
T		15	U	677718.6	5657428	5	3	2017	18	36	55	385.1454	1.00E+25	1.00E+25	M	2.3232	93.7903	93.7903	0.122276	19	
T		15	U	677719.4	5657432	5	3	2017	18	37	32	384.1841	1.00E+25	1.00E+25	M	4.0458	97.8361	97.8361	0.109347	37	
T		15	U	677721	5657437	5	3	2017	18	37	42	384.1841	1.00E+25	1.00E+25	M	5.0943	102.9304	102.9304	0.509427	10	
T		15	U	677711.9	5657438	5	3	2017	18	38	5	383.7032	1.00E+25	1.00E+25	M	9.212	112.1424	112.1424	0.400521	23	
T		15	U	677705.7	5657442	5	3	2017	18	38	23	382.2614	1.00E+25	1.00E+25	M	6.9389	119.0813	119.0813	0.385495	18	
T		15	U	677700	5657444	5	3	2017	18	38	42	382.2614	1.00E+25	1.00E+25	M	6.2095	125.2908	125.2908	0.326816	19	
T		15	U	677698.3	5657444	5	3	2017	18	38	57	379.858	1.00E+25	1.00E+25	M	1.6834	126.9742	126.9742	0.112228	15	
T		15	U	677703.5	5657441	5	3	2017	18	39	31	384.6648	1.00E+25	1.00E+25	M	5.8857	132.8599	132.8599	0.173108	34	
T		15	U	677701.1	5657439	5	3	2017	18	40	4	384.1841	1.00E+25	1.00E+25	M	3.4301	136.29	136.29	0.103941	33	
T		15	U	677699.9	5657438	5	3	2017	18	40	22	383.7032	1.00E+25	1.00E+25	M	1.3479	137.6378	137.6378	0.074882	18	
T		15	U	677703.3	5657439	5	3	2017	18	40	45	386.5874	1.00E+25	1.00E+25	M	3.5725	141.2103	141.2103	0.155326	23	
T		15	U	677703.8	5657440	5	3	2017	18	41	19	386.1067	1.00E+25	1.00E+25	M	0.879	142.0894	142.0894	0.025854	34	

T	15	U	677705.8	5657439	5	3	2017	18	41	42	387.5486	1.00E+25	1.00E+25	M	2.3119	144.4012	144.4012	0.100515	23
T	15	U	677705.9	5657434	5	3	2017	18	42	38	395.2391	1.00E+25	1.00E+25	M	5.1368	149.538	149.538	0.091728	56
T	15	U	677699.6	5657437	5	3	2017	18	43	9	387.068	1.00E+25	1.00E+25	M	7.2185	156.7565	156.7565	0.232854	31
T	15	U	677697.1	5657440	5	3	2017	18	43	25	384.1841	1.00E+25	1.00E+25	M	3.5993	160.3558	160.3558	0.224959	16
T	15	U	677694.3	5657436	5	3	2017	18	43	40	379.3774	1.00E+25	1.00E+25	M	4.6909	165.0467	165.0467	0.312724	15
T	15	U	677687	5657435	5	3	2017	18	44	4	381.3	1.00E+25	1.00E+25	M	7.2984	172.3451	172.3451	0.304099	24
T	15	U	677686	5657434	5	3	2017	18	44	22	381.3	1.00E+25	1.00E+25	M	1.9471	174.2922	174.2922	0.108172	18
T	15	U	677682.8	5657430	5	3	2017	18	44	40	381.7806	1.00E+25	1.00E+25	M	4.7743	179.0665	179.0665	0.265241	18
T	15	U	677682.9	5657429	5	3	2017	18	45	2	382.2614	1.00E+25	1.00E+25	M	1.4127	180.4792	180.4792	0.064215	22
T	15	U	677681.6	5657430	5	3	2017	18	45	21	379.3774	1.00E+25	1.00E+25	M	1.6542	182.1334	182.1334	0.087062	19
T	15	U	677683.6	5657430	5	3	2017	18	45	41	384.6648	1.00E+25	1.00E+25	M	2.0107	184.1441	184.1441	0.100537	20
T	15	U	677685.8	5657429	5	3	2017	18	46	1	382.7421	1.00E+25	1.00E+25	M	2.3444	186.4886	186.4886	0.117222	20
T	15	U	677685.1	5657434	5	3	2017	18	46	13	383.2227	1.00E+25	1.00E+25	M	4.4187	190.9072	190.9072	0.368223	12
T	15	U	677686.3	5657432	5	3	2017	18	46	33	385.626	1.00E+25	1.00E+25	M	1.7727	192.6799	192.6799	0.088633	20
T	15	U	677681.4	5657432	5	3	2017	18	46	58	381.7806	1.00E+25	1.00E+25	M	4.9105	197.5904	197.5904	0.196419	25
T	15	U	677684.5	5657436	5	3	2017	18	47	17	382.2614	1.00E+25	1.00E+25	M	5.3669	202.9573	202.9573	0.282468	19
T	15	U	677682.7	5657447	5	3	2017	18	47	38	383.7032	1.00E+25	1.00E+25	M	10.9796	213.9368	213.9368	0.522836	21
T	15	U	677678.2	5657452	5	3	2017	18	48	58	381.7806	1.00E+25	1.00E+25	M	6.5718	220.5086	220.5086	0.082147	80
T	15	U	677670.2	5657455	5	3	2017	18	49	14	380.8195	1.00E+25	1.00E+25	M	8.6542	229.1628	229.1628	0.540885	16
T	15	U	677670.1	5657454	5	3	2017	18	49	27	382.2614	1.00E+25	1.00E+25	M	0.8237	229.9865	229.9865	0.063363	13
T	15	U	677667.9	5657456	5	3	2017	18	49	40	386.1067	1.00E+25	1.00E+25	M	2.7911	232.7776	232.7776	0.214698	13
T	15	U	677656.9	5657463	5	3	2017	18	49	59	382.2614	1.00E+25	1.00E+25	M	13.0674	245.8449	245.8449	0.687756	19
T	15	U	677646.5	5657462	5	3	2017	18	50	15	379.3774	1.00E+25	1.00E+25	M	10.3366	256.1816	256.1816	0.646039	16
T	15	U	677639.6	5657455	5	3	2017	18	50	31	379.858	1.00E+25	1.00E+25	M	9.9603	266.1418	266.1418	0.622516	16
T	15	U	677637.5	5657456	5	3	2017	18	50	50	380.3387	1.00E+25	1.00E+25	M	2.3178	268.4596	268.4596	0.121991	19
T	15	U	677628.5	5657453	5	3	2017	18	51	7	381.3	1.00E+25	1.00E+25	M	9.5039	277.9635	277.9635	0.559051	17
T	15	U	677623.5	5657447	5	3	2017	18	51	21	379.3774	1.00E+25	1.00E+25	M	7.7677	285.7312	285.7312	0.554833	14
T	15	U	677621.9	5657443	5	3	2017	18	51	34	380.8195	1.00E+25	1.00E+25	M	4.3762	290.1074	290.1074	0.336633	13
T	15	U	677619.5	5657441	5	3	2017	18	51	48	380.8195	1.00E+25	1.00E+25	M	2.927	293.0344	293.0344	0.209074	14
T	15	U	677615.6	5657442	5	3	2017	18	52	8	380.3387	1.00E+25	1.00E+25	M	4.0764	297.1108	297.1108	0.203819	20
T	15	U	677611.2	5657445	5	3	2017	18	52	32	380.8195	1.00E+25	1.00E+25	M	5.0215	302.1323	302.1323	0.20923	24
T	15	U	677608.9	5657440	5	3	2017	18	52	47	378.8969	1.00E+25	1.00E+25	M	5.0385	307.1708	307.1708	0.3359	15
T	15	U	677607	5657435	5	3	2017	18	53	4	380.8195	1.00E+25	1.00E+25	M	5.0698	312.2406	312.2406	0.298221	17
T	15	U	677607	5657434	5	3	2017	18	53	51	380.8195	1.00E+25	1.00E+25	M	1.9107	314.1513	314.1513	0.040653	47
T	15	U	677604.1	5657430	5	3	2017	18	54	17	383.2227	1.00E+25	1.00E+25	M	4.3455	318.4967	318.4967	0.167134	26
T	15	U	677606.1	5657431	5	3	2017	18	55	6	385.1454	1.00E+25	1.00E+25	M	1.977	320.4737	320.4737	0.040346	49
T	15	U	677606.7	5657430	5	3	2017	18	55	19	383.7032	1.00E+25	1.00E+25	M	0.7798	321.2535	321.2535	0.059988	13
T	15	U	677606.5	5657433	5	3	2017	18	55	35	382.2614	1.00E+25	1.00E+25	M	2.3697	323.6232	323.6232	0.148106	16



T	15	U	677604.5	5657432	5	3	2017	18	55	53	382.2614	1.00E+25	1.00E+25	M	2.1479	325.7711	325.7711	0.119326	18
T	15	U	677602.1	5657431	5	3	2017	18	56	8	380.3387	1.00E+25	1.00E+25	M	2.4224	328.1935	328.1935	0.161492	15
T	15	U	677598.3	5657431	5	3	2017	18	56	29	381.7806	1.00E+25	1.00E+25	M	3.8446	332.0381	332.0381	0.183076	21
T	15	U	677595.6	5657435	5	3	2017	18	56	41	380.3387	1.00E+25	1.00E+25	M	4.9142	336.9522	336.9522	0.409513	12
T	15	U	677593.1	5657438	5	3	2017	18	56	54	381.3	1.00E+25	1.00E+25	M	3.5092	340.4614	340.4614	0.269935	13
T	15	U	677590.7	5657440	5	3	2017	18	57	15	382.7421	1.00E+25	1.00E+25	M	3.0238	343.4852	343.4852	0.143993	21
T	15	U	677588.4	5657441	5	3	2017	18	57	27	382.2614	1.00E+25	1.00E+25	M	2.8164	346.3016	346.3016	0.234699	12
T	15	U	677587	5657443	5	3	2017	18	57	38	380.8195	1.00E+25	1.00E+25	M	2.3938	348.6954	348.6954	0.217616	11
T	15	U	677584.2	5657445	5	3	2017	18	57	57	385.626	1.00E+25	1.00E+25	M	3.541	352.2365	352.2365	0.186371	19
T	15	U	677578.5	5657447	5	3	2017	18	58	12	386.1067	1.00E+25	1.00E+25	M	5.8757	358.1121	358.1121	0.39171	15
T	15	U	677572	5657450	5	3	2017	18	58	27	382.2614	1.00E+25	1.00E+25	M	7.0974	365.2095	365.2095	0.473157	15
T	15	U	677565.6	5657445	5	3	2017	18	58	39	379.858	1.00E+25	1.00E+25	M	7.8018	373.0112	373.0112	0.650147	12
T	15	U	677557.6	5657440	5	3	2017	18	58	55	381.3	1.00E+25	1.00E+25	M	9.5172	382.5285	382.5285	0.594828	16
T	15	U	677552.6	5657434	5	3	2017	18	59	8	380.3387	1.00E+25	1.00E+25	M	7.5512	390.0797	390.0797	0.580862	13
T	15	U	677551.2	5657424	5	3	2017	18	59	26	380.3387	1.00E+25	1.00E+25	M	9.9919	400.0716	400.0716	0.555106	18
T	15	U	677552.9	5657417	5	3	2017	18	59	40	380.8195	1.00E+25	1.00E+25	M	7.6514	407.723	407.723	0.54653	14
T	15	U	677556.5	5657408	5	3	2017	19	0	1	381.7806	1.00E+25	1.00E+25	M	9.2052	416.9282	416.9282	0.438344	21
T	15	U	677561.3	5657404	5	3	2017	19	0	17	380.8195	1.00E+25	1.00E+25	M	6.7591	423.6873	423.6873	0.422442	16
T	15	U	677560.4	5657398	5	3	2017	19	0	35	380.3387	1.00E+25	1.00E+25	M	6.1293	429.8166	429.8166	0.340516	18
T	15	U	677555.8	5657395	5	3	2017	19	0	52	382.7421	1.00E+25	1.00E+25	M	5.1753	434.9919	434.9919	0.30443	17
T	15	U	677556.2	5657393	5	3	2017	19	1	9	383.2227	1.00E+25	1.00E+25	M	2.468	437.4599	437.4599	0.145176	17
T	15	U	677553.9	5657384	5	3	2017	19	1	24	382.2614	1.00E+25	1.00E+25	M	9.0975	446.5574	446.5574	0.6065	15
T	15	U	677551.1	5657380	5	3	2017	19	1	38	378.8969	1.00E+25	1.00E+25	M	5.0073	451.5646	451.5646	0.357661	14
T	15	U	677545.8	5657371	5	3	2017	19	2	1	388.51	1.00E+25	1.00E+25	M	9.9932	461.5578	461.5578	0.434487	23
T	15	U	677549.4	5657375	5	3	2017	19	3	33	386.5874	1.00E+25	1.00E+25	M	5.5022	467.0601	467.0601	0.059807	92
T	15	U	677549.8	5657366	5	3	2017	19	3	55	386.1067	1.00E+25	1.00E+25	M	9.9076	476.9676	476.9676	0.450344	22
T	15	U	677554.3	5657358	5	3	2017	19	4	12	379.3774	1.00E+25	1.00E+25	M	8.4921	485.4598	485.4598	0.499538	17
T	15	U	677555.9	5657356	5	3	2017	19	4	24	378.4161	1.00E+25	1.00E+25	M	2.422	487.8818	487.8818	0.201834	12
T	15	U	677556.8	5657350	5	3	2017	19	4	36	375.5321	1.00E+25	1.00E+25	M	6.3383	494.2201	494.2201	0.528194	12
T	15	U	677557.4	5657342	5	3	2017	19	4	51	373.1289	1.00E+25	1.00E+25	M	8.0787	502.2989	502.2989	0.538583	15
T	15	U	677560.6	5657334	5	3	2017	19	5	8	370.7256	1.00E+25	1.00E+25	M	8.6187	510.9176	510.9176	0.506983	17
T	15	U	677561.6	5657328	5	3	2017	19	5	23	371.2063	1.00E+25	1.00E+25	M	6.6354	517.5529	517.5529	0.442357	15
T	15	U	677563.7	5657320	5	3	2017	19	5	38	373.1289	1.00E+25	1.00E+25	M	7.4781	525.031	525.031	0.498542	15
T	15	U	677568.2	5657316	5	3	2017	19	5	52	373.6095	1.00E+25	1.00E+25	M	6.5501	531.5812	531.5812	0.467865	14
T	15	U	677570.3	5657313	5	3	2017	19	6	4	373.1289	1.00E+25	1.00E+25	M	3.002	534.5831	534.5831	0.250165	12
T	15	U	677574.5	5657310	5	3	2017	19	6	17	373.1289	1.00E+25	1.00E+25	M	5.3604	539.9436	539.9436	0.412341	13
T	15	U	677574.1	5657310	5	3	2017	19	7	50	369.2837	1.00E+25	1.00E+25	M	0.3516	540.2952	540.2952	0.003781	93
T	15	U	677575.1	5657311	5	3	2017	19	8	33	368.803	1.00E+25	1.00E+25	M	1.1907	541.4859	541.4859	0.027691	43

T	15	U	677567.6	5657307	5	3	2017	19	9	1	370.7256	1.00E+25	1.00E+25	M	8.176	549.6619	549.6619	0.292001	28
T	15	U	677563.6	5657307	5	3	2017	19	9	12	370.7256	1.00E+25	1.00E+25	M	4.0146	553.6766	553.6766	0.364967	11
T	15	U	677556.9	5657310	5	3	2017	19	9	27	370.7256	1.00E+25	1.00E+25	M	7.0272	560.7038	560.7038	0.46848	15
T	15	U	677550.1	5657313	5	3	2017	19	9	43	370.7256	1.00E+25	1.00E+25	M	7.7417	568.4454	568.4454	0.483854	16
T	15	U	677544.4	5657316	5	3	2017	19	10	0	370.2449	1.00E+25	1.00E+25	M	6.4172	574.8627	574.8627	0.377485	17
T	15	U	677539.2	5657322	5	3	2017	19	10	14	376.0128	1.00E+25	1.00E+25	M	7.5268	582.3895	582.3895	0.537632	14
T	15	U	677531.4	5657326	5	3	2017	19	10	29	376.0128	1.00E+25	1.00E+25	M	8.6862	591.0757	591.0757	0.57908	15
T	15	U	677525.5	5657330	5	3	2017	19	10	48	373.1289	1.00E+25	1.00E+25	M	7.271	598.3468	598.3468	0.382686	19
T	15	U	677521.7	5657336	5	3	2017	19	11	8	375.0515	1.00E+25	1.00E+25	M	7.2666	605.6134	605.6134	0.36333	20
T	15	U	677516.9	5657338	5	3	2017	19	11	54	376.0128	1.00E+25	1.00E+25	M	5.2424	610.8557	610.8557	0.113965	46
T	15	U	677505.5	5657339	5	3	2017	19	12	12	374.5708	1.00E+25	1.00E+25	M	11.3826	622.2384	622.2384	0.632369	18
T	15	U	677496	5657341	5	3	2017	19	12	28	379.858	1.00E+25	1.00E+25	M	9.655	631.8934	631.8934	0.603439	16
T	15	U	677497.9	5657343	5	3	2017	19	12	59	382.7421	1.00E+25	1.00E+25	M	2.472	634.3655	634.3655	0.079743	31
T	15	U	677498.4	5657343	5	3	2017	19	13	36	383.2227	1.00E+25	1.00E+25	M	0.4229	634.7883	634.7883	0.011429	37
T	15	U	677498.4	5657352	5	3	2017	19	14	9	384.1841	1.00E+25	1.00E+25	M	8.9835	643.7718	643.7718	0.272227	33
T	15	U	677496.8	5657354	5	3	2017	19	14	22	381.3	1.00E+25	1.00E+25	M	3.082	646.8538	646.8538	0.23708	13
T	15	U	677497.1	5657361	5	3	2017	19	14	38	382.2614	1.00E+25	1.00E+25	M	6.46	653.3138	653.3138	0.403749	16
T	15	U	677499	5657366	5	3	2017	19	15	1	388.9906	1.00E+25	1.00E+25	M	5.2469	658.5608	658.5608	0.228128	23
T	15	U	677498.8	5657362	5	3	2017	19	15	32	388.51	1.00E+25	1.00E+25	M	3.4516	662.0124	662.0124	0.111343	31
T	15	U	677501.1	5657365	5	3	2017	19	15	54	383.2227	1.00E+25	1.00E+25	M	3.2506	665.263	665.263	0.147754	22
T	15	U	677502.2	5657373	5	3	2017	19	16	5	382.2614	1.00E+25	1.00E+25	M	8.4979	673.7609	673.7609	0.772533	11
T	15	U	677503.6	5657378	5	3	2017	19	16	22	382.7421	1.00E+25	1.00E+25	M	4.8974	678.6583	678.6583	0.288083	17
T	15	U	677505.7	5657375	5	3	2017	19	16	48	384.6648	1.00E+25	1.00E+25	M	3.7688	682.427	682.427	0.144952	26
T	15	U	677501	5657378	5	3	2017	19	17	16	388.0293	1.00E+25	1.00E+25	M	5.7299	688.1569	688.1569	0.204639	28
T	15	U	677502	5657382	5	3	2017	19	17	27	382.7421	1.00E+25	1.00E+25	M	4.5226	692.6795	692.6795	0.411144	11
T	15	U	677504	5657386	5	3	2017	19	17	45	382.7421	1.00E+25	1.00E+25	M	4.2629	696.9424	696.9424	0.236829	18
T	15	U	677503.8	5657391	5	3	2017	19	18	8	386.1067	1.00E+25	1.00E+25	M	4.7254	701.6678	701.6678	0.205451	23
T	15	U	677504.3	5657393	5	3	2017	19	18	46	383.7032	1.00E+25	1.00E+25	M	1.8405	703.5083	703.5083	0.048434	38
T	15	U	677505.8	5657399	5	3	2017	19	19	15	379.3774	1.00E+25	1.00E+25	M	6.5424	710.0506	710.0506	0.225598	29
T	15	U	677509.1	5657403	5	3	2017	19	19	40	381.3	1.00E+25	1.00E+25	M	5.1259	715.1765	715.1765	0.205037	25
T	15	U	677507.8	5657409	5	3	2017	19	19	54	381.3	1.00E+25	1.00E+25	M	6.185	721.3616	721.3616	0.441789	14
T	15	U	677509	5657415	5	3	2017	19	20	9	381.3	1.00E+25	1.00E+25	M	5.6818	727.0434	727.0434	0.378788	15
T	15	U	677508.8	5657419	5	3	2017	19	20	27	382.2614	1.00E+25	1.00E+25	M	4.6416	731.685	731.685	0.257865	18
T	15	U	677509.7	5657421	5	3	2017	19	20	46	379.858	1.00E+25	1.00E+25	M	1.5948	733.2798	733.2798	0.083937	19
T	15	U	677508.4	5657420	5	3	2017	19	21	1	381.3	1.00E+25	1.00E+25	M	1.4704	734.7502	734.7502	0.098028	15
T	15	U	677509.2	5657422	5	3	2017	19	21	21	382.7421	1.00E+25	1.00E+25	M	2.7222	737.4724	737.4724	0.136112	20
T	15	U	677512.6	5657427	5	3	2017	19	21	46	382.2614	1.00E+25	1.00E+25	M	5.5955	743.0679	743.0679	0.22382	25
T	15	U	677517.6	5657431	5	3	2017	19	22	1	379.858	1.00E+25	1.00E+25	M	6.4011	749.469	749.469	0.42674	15

T	15	U	677520.2	5657434	5	3	2017	19	22	15	378.8969	1.00E+25	1.00E+25	M	4.2712	753.7403	753.7403	0.305089	14
T	15	U	677522	5657440	5	3	2017	19	22	28	382.2614	1.00E+25	1.00E+25	M	5.8213	759.5616	759.5616	0.447794	13
T	15	U	677523.4	5657443	5	3	2017	19	22	39	383.2227	1.00E+25	1.00E+25	M	3.6099	763.1715	763.1715	0.328174	11
T	15	U	677522.7	5657446	5	3	2017	19	22	54	384.1841	1.00E+25	1.00E+25	M	3.2738	766.4454	766.4454	0.218255	15
T	15	U	677522.4	5657450	5	3	2017	19	23	22	382.7421	1.00E+25	1.00E+25	M	3.2928	769.7382	769.7382	0.1176	28
T	15	U	677523.7	5657454	5	3	2017	19	23	35	382.2614	1.00E+25	1.00E+25	M	4.937	774.6751	774.6751	0.379767	13
T	15	U	677529.5	5657460	5	3	2017	19	23	55	382.7421	1.00E+25	1.00E+25	M	7.8202	782.4953	782.4953	0.391011	20
T	15	U	677527.5	5657468	5	3	2017	19	24	10	381.7806	1.00E+25	1.00E+25	M	8.4453	790.9406	790.9406	0.563017	15
T	15	U	677528.3	5657473	5	3	2017	19	24	25	382.2614	1.00E+25	1.00E+25	M	5.3223	796.2629	796.2629	0.354818	15
T	15	U	677527	5657479	5	3	2017	19	24	39	380.3387	1.00E+25	1.00E+25	M	5.645	801.9079	801.9079	0.403213	14
T	15	U	677524.2	5657483	5	3	2017	19	24	52	376.9742	1.00E+25	1.00E+25	M	5.5263	807.4341	807.4341	0.425097	13
T	15	U	677520.3	5657487	5	3	2017	19	25	5	379.3774	1.00E+25	1.00E+25	M	5.671	813.1051	813.1051	0.436228	13
T	15	U	677519.4	5657491	5	3	2017	19	25	34	382.7421	1.00E+25	1.00E+25	M	3.4598	816.5649	816.5649	0.119303	29
T	15	U	677520.8	5657489	5	3	2017	19	26	15	380.3387	1.00E+25	1.00E+25	M	2.0013	818.5662	818.5662	0.048813	41
T	15	U	677520.7	5657490	5	3	2017	19	26	52	380.8195	1.00E+25	1.00E+25	M	0.5571	819.1233	819.1233	0.015057	37
T	15	U	677513.3	5657489	5	3	2017	19	27	5	380.3387	1.00E+25	1.00E+25	M	7.4041	826.5274	826.5274	0.569545	13
T	15	U	677509.4	5657486	5	3	2017	19	27	16	381.3	1.00E+25	1.00E+25	M	4.5883	831.1157	831.1157	0.41712	11
T	15	U	677503.5	5657487	5	3	2017	19	27	28	381.3	1.00E+25	1.00E+25	M	5.9082	837.0239	837.0239	0.49235	12
T	15	U	677502.8	5657489	5	3	2017	19	27	39	379.3774	1.00E+25	1.00E+25	M	2.1774	839.2013	839.2013	0.197945	11
T	15	U	677501.6	5657491	5	3	2017	19	27	42	379.3774	1.00E+25	1.00E+25	M	2.071	841.2724	841.2724	0.690335	3
T	15	U	677495.5	5657494	5	3	2017	19	27	54	378.4161	1.00E+25	1.00E+25	M	6.755	848.0274	848.0274	0.562919	12
T	15	U	677492.5	5657497	5	3	2017	19	28	6	378.8969	1.00E+25	1.00E+25	M	4.0653	852.0926	852.0926	0.338771	12
T	15	U	677490.3	5657499	5	3	2017	19	28	20	380.8195	1.00E+25	1.00E+25	M	3.2541	855.3468	855.3468	0.232438	14
T	15	U	677489.6	5657501	5	3	2017	19	28	31	381.3	1.00E+25	1.00E+25	M	2.1463	857.493	857.493	0.195115	11
T	15	U	677487	5657503	5	3	2017	19	28	43	382.2614	1.00E+25	1.00E+25	M	3.2157	860.7087	860.7087	0.267974	12
T	15	U	677484.9	5657508	5	3	2017	19	28	55	381.3	1.00E+25	1.00E+25	M	5.1061	865.8148	865.8148	0.425507	12
T	15	U	677484	5657509	5	3	2017	19	29	10	383.7032	1.00E+25	1.00E+25	M	1.6122	867.4269	867.4269	0.107477	15
T	15	U	677484	5657510	5	3	2017	19	29	23	386.5874	1.00E+25	1.00E+25	M	0.932	868.359	868.359	0.071696	13
T	15	U	677477.2	5657512	5	3	2017	19	29	38	386.1067	1.00E+25	1.00E+25	M	6.9	875.259	875.259	0.460003	15
T	15	U	677472.3	5657515	5	3	2017	19	29	54	384.1841	1.00E+25	1.00E+25	M	5.974	881.233	881.233	0.373373	16
T	15	U	677472.6	5657516	5	3	2017	19	30	41	382.7421	1.00E+25	1.00E+25	M	0.6369	881.8699	881.8699	0.01355	47
T	15	U	677473.4	5657514	5	3	2017	19	31	6	380.3387	1.00E+25	1.00E+25	M	2.0407	883.9106	883.9106	0.081628	25
T	15	U	677470.4	5657514	5	3	2017	19	31	28	375.5321	1.00E+25	1.00E+25	M	2.943	886.8535	886.8535	0.133772	22
T	15	U	677468.5	5657522	5	3	2017	19	31	41	382.7421	1.00E+25	1.00E+25	M	8.148	895.0016	895.0016	0.62677	13
T	15	U	677461.4	5657524	5	3	2017	19	31	58	386.1067	1.00E+25	1.00E+25	M	7.5795	902.5811	902.5811	0.445855	17
T	15	U	677460.2	5657528	5	3	2017	19	32	11	385.1454	1.00E+25	1.00E+25	M	3.3627	905.9438	905.9438	0.25867	13
T	15	U	677459.4	5657529	5	3	2017	19	32	26	392.3553	1.00E+25	1.00E+25	M	1.359	907.3028	907.3028	0.090598	15
T	15	U	677459.3	5657532	5	3	2017	19	32	47	388.51	1.00E+25	1.00E+25	M	3.4021	910.7048	910.7048	0.162003	21

T	15	U	677454.1	5657529	5	3	2017	19	33	13	385.626	1.00E+25	1.00E+25	M	5.84	916.5448	916.5448	0.224614	26
T	15	U	677459	5657533	5	3	2017	19	33	39	384.6648	1.00E+25	1.00E+25	M	6.247	922.7918	922.7918	0.240269	26
T	15	U	677462.1	5657539	5	3	2017	19	34	3	386.5874	1.00E+25	1.00E+25	M	6.986	929.7778	929.7778	0.291083	24
T	15	U	677461.4	5657537	5	3	2017	19	34	29	392.3553	1.00E+25	1.00E+25	M	3.0016	932.7793	932.7793	0.115444	26
T	15	U	677459	5657543	5	3	2017	19	34	45	385.626	1.00E+25	1.00E+25	M	6.7352	939.5145	939.5145	0.420949	16
T	15	U	677450.6	5657546	5	3	2017	19	34	58	386.5874	1.00E+25	1.00E+25	M	9.1325	948.6471	948.6471	0.702502	13
T	15	U	677440.1	5657546	5	3	2017	19	35	15	389.4712	1.00E+25	1.00E+25	M	10.4321	959.0791	959.0791	0.613651	17
T	15	U	677441.2	5657540	5	3	2017	19	35	35	385.1454	1.00E+25	1.00E+25	M	6.105	965.1841	965.1841	0.305251	20
T	15	U	677437	5657538	5	3	2017	19	35	53	384.1841	1.00E+25	1.00E+25	M	4.7401	969.9243	969.9243	0.263341	18
T	15	U	677433.2	5657535	5	3	2017	19	36	10	383.7032	1.00E+25	1.00E+25	M	4.6645	974.5888	974.5888	0.274385	17
T	15	U	677428.9	5657535	5	3	2017	19	36	22	386.1067	1.00E+25	1.00E+25	M	4.3143	978.9031	978.9031	0.359526	12
T	15	U	677433	5657534	5	3	2017	19	37	7	390.4326	1.00E+25	1.00E+25	M	4.2462	983.1493	983.1493	0.094359	45
T	15	U	677427.1	5657530	5	3	2017	19	37	41	380.8195	1.00E+25	1.00E+25	M	7.5765	990.7258	990.7258	0.222837	34
T	15	U	677427.1	5657523	5	3	2017	19	37	57	379.858	1.00E+25	1.00E+25	M	6.5272	997.253	997.253	0.407951	16
T	15	U	677422.4	5657519	5	3	2017	19	38	19	377.9354	1.00E+25	1.00E+25	M	6.2767	1003.53	1003.53	0.285306	22
T	15	U	677415.9	5657511	5	3	2017	19	38	33	383.7032	1.00E+25	1.00E+25	M	10.3517	1013.881	1013.881	0.739404	14
T	15	U	677413.7	5657505	5	3	2017	19	38	47	387.5486	1.00E+25	1.00E+25	M	6.0222	1019.904	1019.904	0.43016	14
T	15	U	677411.9	5657502	5	3	2017	19	39	1	385.626	1.00E+25	1.00E+25	M	3.446	1023.35	1023.35	0.24614	14
T	15	U	677411.4	5657505	5	3	2017	19	39	19	388.51	1.00E+25	1.00E+25	M	2.3608	1025.71	1025.71	0.131158	18
T	15	U	677410.4	5657506	5	3	2017	19	39	53	391.3938	1.00E+25	1.00E+25	M	2.1579	1027.868	1027.868	0.063467	34
T	15	U	677408	5657505	5	3	2017	19	40	6	389.4712	1.00E+25	1.00E+25	M	2.782	1030.65	1030.65	0.214	13
T	15	U	677404.1	5657503	5	3	2017	19	40	21	388.51	1.00E+25	1.00E+25	M	4.6643	1035.315	1035.315	0.31095	15
T	15	U	677397.1	5657500	5	3	2017	19	40	33	388.0293	1.00E+25	1.00E+25	M	7.3445	1042.659	1042.659	0.612043	12
T	15	U	677397.3	5657500	5	3	2017	19	41	5	388.0293	1.00E+25	1.00E+25	M	0.6094	1043.268	1043.268	0.019042	32
T	15	U	677398.3	5657497	5	3	2017	19	41	30	385.1454	1.00E+25	1.00E+25	M	2.5576	1045.826	1045.826	0.102305	25
T	15	U	677396	5657496	5	3	2017	19	42	6	382.7421	1.00E+25	1.00E+25	M	2.4771	1048.303	1048.303	0.068809	36
T	15	U	677392.6	5657494	5	3	2017	19	42	20	380.3387	1.00E+25	1.00E+25	M	3.9747	1052.278	1052.278	0.283908	14
T	15	U	677388.3	5657491	5	3	2017	19	42	34	378.8969	1.00E+25	1.00E+25	M	5.5983	1057.876	1057.876	0.399881	14
T	15	U	677385.7	5657482	5	3	2017	19	42	50	378.8969	1.00E+25	1.00E+25	M	9.0193	1066.896	1066.896	0.563704	16
T	15	U	677383.3	5657475	5	3	2017	19	43	4	376.0128	1.00E+25	1.00E+25	M	7.7851	1074.681	1074.681	0.55608	14
T	15	U	677379.9	5657472	5	3	2017	19	43	20	379.3774	1.00E+25	1.00E+25	M	4.0087	1078.689	1078.689	0.250547	16
T	15	U	677377.6	5657469	5	3	2017	19	43	32	377.9354	1.00E+25	1.00E+25	M	3.9433	1082.633	1082.633	0.328609	12
T	15	U	677376.1	5657466	5	3	2017	19	43	44	378.8969	1.00E+25	1.00E+25	M	3.434	1086.067	1086.067	0.286164	12
T	15	U	677375.5	5657463	5	3	2017	19	43	59	378.8969	1.00E+25	1.00E+25	M	3.2382	1089.305	1089.305	0.215877	15
T	15	U	677372.5	5657460	5	3	2017	19	44	37	376.0128	1.00E+25	1.00E+25	M	4.1885	1093.493	1093.493	0.110224	38
T	15	U	677369.7	5657456	5	3	2017	19	45	18	376.9742	1.00E+25	1.00E+25	M	4.4723	1097.966	1097.966	0.10908	41
T	15	U	677368.4	5657450	5	3	2017	19	45	34	375.0515	1.00E+25	1.00E+25	M	6.5532	1104.519	1104.519	0.409576	16
T	15	U	677368.5	5657443	5	3	2017	19	45	46	376.9742	1.00E+25	1.00E+25	M	7.2903	1111.809	1111.809	0.607524	12

T	15	U	677368.3	5657434	5	3	2017	19	45	58	376.0128	1.00E+25	1.00E+25	M	8.3334	1120.143	1120.143	0.694448	12
T	15	U	677366.8	5657424	5	3	2017	19	46	14	373.6095	1.00E+25	1.00E+25	M	10.6945	1130.837	1130.837	0.668404	16
T	15	U	677362.7	5657417	5	3	2017	19	46	28	373.6095	1.00E+25	1.00E+25	M	8.1941	1139.031	1139.031	0.585294	14
T	15	U	677362.6	5657413	5	3	2017	19	47	5	381.3	1.00E+25	1.00E+25	M	4.1885	1143.22	1143.22	0.113202	37
T	15	U	677362.4	5657411	5	3	2017	19	47	19	380.3387	1.00E+25	1.00E+25	M	1.6338	1144.853	1144.853	0.116702	14
T	15	U	677363	5657412	5	3	2017	19	47	55	389.4712	1.00E+25	1.00E+25	M	0.9454	1145.799	1145.799	0.02626	36
T	15	U	677364.1	5657411	5	3	2017	19	48	22	383.7032	1.00E+25	1.00E+25	M	1.2272	1147.026	1147.026	0.045451	27
T	15	U	677362	5657409	5	3	2017	19	48	40	381.7806	1.00E+25	1.00E+25	M	3.0872	1150.113	1150.113	0.171512	18
T	15	U	677365.4	5657409	5	3	2017	19	49	53	384.6648	1.00E+25	1.00E+25	M	3.3524	1153.466	1153.466	0.045923	73
T	15	U	677366.3	5657409	5	3	2017	19	50	17	383.7032	1.00E+25	1.00E+25	M	0.9349	1154.4	1154.4	0.038955	24
T	15	U	677361.3	5657407	5	3	2017	19	50	36	381.3	1.00E+25	1.00E+25	M	5.1691	1159.57	1159.57	0.27206	19
T	15	U	677360.2	5657402	5	3	2017	19	50	53	378.8969	1.00E+25	1.00E+25	M	5.3135	1164.883	1164.883	0.312561	17
T	15	U	677359.3	5657401	5	3	2017	19	51	6	376.4935	1.00E+25	1.00E+25	M	1.5837	1166.467	1166.467	0.12182	13
T	15	U	677356.9	5657396	5	3	2017	19	51	21	377.9354	1.00E+25	1.00E+25	M	5.0421	1171.509	1171.509	0.336137	15
T	15	U	677354.6	5657392	5	3	2017	19	51	32	377.9354	1.00E+25	1.00E+25	M	4.6748	1176.184	1176.184	0.424978	11
T	15	U	677351.5	5657388	5	3	2017	19	51	47	378.8969	1.00E+25	1.00E+25	M	5.6465	1181.83	1181.83	0.376433	15
T	15	U	677351.9	5657392	5	3	2017	19	52	27	385.1454	1.00E+25	1.00E+25	M	4.7183	1186.548	1186.548	0.117958	40
T	15	U	677351.3	5657392	5	3	2017	19	53	8	388.0293	1.00E+25	1.00E+25	M	0.5449	1187.093	1187.093	0.01329	41
T	15	U	677348	5657389	5	3	2017	19	53	16	386.1067	1.00E+25	1.00E+25	M	4.7176	1191.811	1191.811	0.5897	8
T	15	U	677346	5657387	5	3	2017	19	53	28	385.1454	1.00E+25	1.00E+25	M	2.6605	1194.471	1194.471	0.221705	12
T	15	U	677346.1	5657387	5	3	2017	19	54	3	385.1454	1.00E+25	1.00E+25	M	0.189	1194.66	1194.66	0.0054	35
T	15	U	677342.2	5657388	5	3	2017	19	54	25	383.2227	1.00E+25	1.00E+25	M	3.9571	1198.618	1198.618	0.179868	22
T	15	U	677340.9	5657390	5	3	2017	19	54	38	383.2227	1.00E+25	1.00E+25	M	2.8837	1201.501	1201.501	0.221823	13
T	15	U	677336.2	5657392	5	3	2017	19	54	51	379.3774	1.00E+25	1.00E+25	M	5.1148	1206.616	1206.616	0.393443	13
T	15	U	677332.6	5657388	5	3	2017	19	55	6	375.5321	1.00E+25	1.00E+25	M	5.5738	1212.19	1212.19	0.371589	15
T	15	U	677326.3	5657389	5	3	2017	19	55	28	379.3774	1.00E+25	1.00E+25	M	6.3491	1218.539	1218.539	0.288597	22
T	15	U	677322.9	5657387	5	3	2017	19	55	46	379.858	1.00E+25	1.00E+25	M	4.1376	1222.676	1222.676	0.229864	18
T	15	U	677319.6	5657385	5	3	2017	19	56	1	379.858	1.00E+25	1.00E+25	M	3.6658	1226.342	1226.342	0.244384	15
T	15	U	677317.2	5657382	5	3	2017	19	56	16	381.3	1.00E+25	1.00E+25	M	4.3426	1230.685	1230.685	0.289508	15
T	15	U	677310.9	5657381	5	3	2017	19	56	32	382.2614	1.00E+25	1.00E+25	M	6.3613	1237.046	1237.046	0.39758	16
T	15	U	677304.9	5657375	5	3	2017	19	56	45	380.8195	1.00E+25	1.00E+25	M	8.4029	1245.449	1245.449	0.646375	13
T	15	U	677300.4	5657370	5	3	2017	19	56	53	380.8195	1.00E+25	1.00E+25	M	6.6784	1252.127	1252.127	0.834801	8
T	15	U	677300.9	5657371	5	3	2017	19	57	10	384.6648	1.00E+25	1.00E+25	M	1.0327	1253.16	1253.16	0.060749	17
T	15	U	677298.6	5657373	5	3	2017	19	57	44	390.4326	1.00E+25	1.00E+25	M	3.2349	1256.395	1256.395	0.095144	34
T	15	U	677300.7	5657379	5	3	2017	19	58	42	394.278	1.00E+25	1.00E+25	M	5.9201	1262.315	1262.315	0.102071	58
T	15	U	677297.7	5657373	5	3	2017	19	59	17	385.626	1.00E+25	1.00E+25	M	6.6038	1268.919	1268.919	0.188679	35
T	15	U	677300.4	5657374	5	3	2017	19	59	47	379.3774	1.00E+25	1.00E+25	M	2.8058	1271.725	1271.725	0.093526	30
T	15	U	677300.4	5657374	5	3	2017	20	0	17	384.1841	1.00E+25	1.00E+25	M	0.718	1272.443	1272.443	0.023932	30

T	15	U	677296.1	5657371	5	3	2017	20	0	50	385.1454	1.00E+25	1.00E+25	M	5.4546	1277.897	1277.897	0.16529	33
T	15	U	677297.7	5657366	5	3	2017	20	1	12	383.2227	1.00E+25	1.00E+25	M	5.5928	1283.49	1283.49	0.254218	22
T	15	U	677297.6	5657366	5	3	2017	20	1	29	385.1454	1.00E+25	1.00E+25	M	0.4291	1283.919	1283.919	0.025241	17
T	15	U	677293.1	5657363	5	3	2017	20	2	58	376.0128	1.00E+25	1.00E+25	M	5.7476	1289.667	1289.667	0.06458	89
T	15	U	677295.3	5657369	5	3	2017	20	3	46	380.8195	1.00E+25	1.00E+25	M	6.3462	1296.013	1296.013	0.132212	48
T	15	U	677295.5	5657368	5	3	2017	20	4	25	382.2614	1.00E+25	1.00E+25	M	0.2942	1296.307	1296.307	0.007544	39
T	15	U	677295	5657370	5	3	2017	20	5	14	385.626	1.00E+25	1.00E+25	M	1.6548	1297.962	1297.962	0.033772	49
T	15	U	677297.9	5657369	5	3	2017	20	6	1	383.2227	1.00E+25	1.00E+25	M	3.0079	1300.97	1300.97	0.063997	47
T	15	U	677298.6	5657369	5	3	2017	20	6	40	382.7421	1.00E+25	1.00E+25	M	0.7136	1301.683	1301.683	0.018297	39
T	15	U	677297.4	5657367	5	3	2017	20	7	33	380.8195	1.00E+25	1.00E+25	M	2.7794	1304.463	1304.463	0.052441	53
T	15	U	677298.7	5657368	5	3	2017	20	7	57	380.8195	1.00E+25	1.00E+25	M	2.1593	1306.622	1306.622	0.089971	24
T	15	U	677297.5	5657370	5	3	2017	20	8	24	384.1841	1.00E+25	1.00E+25	M	1.795	1308.417	1308.417	0.066482	27
T	15	U	677296.2	5657367	5	3	2017	20	8	57	376.9742	1.00E+25	1.00E+25	M	2.6977	1311.115	1311.115	0.081749	33
T	15	U	677294	5657366	5	3	2017	20	9	18	380.3387	1.00E+25	1.00E+25	M	2.6495	1313.764	1313.764	0.126166	21
T	15	U	677286.2	5657363	5	3	2017	20	9	31	383.7032	1.00E+25	1.00E+25	M	8.1483	1321.913	1321.913	0.626789	13
T	15	U	677284.9	5657368	5	3	2017	20	9	54	385.626	1.00E+25	1.00E+25	M	4.2749	1326.188	1326.188	0.185866	23
T	15	U	677286.9	5657365	5	3	2017	20	10	20	387.5486	1.00E+25	1.00E+25	M	3.5891	1329.777	1329.777	0.138043	26
T	15	U	677281.8	5657363	5	3	2017	20	10	36	388.51	1.00E+25	1.00E+25	M	5.286	1335.063	1335.063	0.330374	16
T	15	U	677279	5657364	5	3	2017	20	10	55	384.1841	1.00E+25	1.00E+25	M	2.9193	1337.982	1337.982	0.153649	19
T	15	U	677278.4	5657365	5	3	2017	20	11	16	388.51	1.00E+25	1.00E+25	M	1.178	1339.16	1339.16	0.056095	21
T	15	U	677276.9	5657365	5	3	2017	20	11	42	390.4326	1.00E+25	1.00E+25	M	1.566	1340.726	1340.726	0.06023	26
T	15	U	677275.4	5657365	5	3	2017	20	12	2	386.5874	1.00E+25	1.00E+25	M	1.5486	1342.275	1342.275	0.077429	20
T	15	U	677274.5	5657365	5	3	2017	20	12	17	383.2227	1.00E+25	1.00E+25	M	0.84	1343.115	1343.115	0.056	15
T	15	U	677274.6	5657364	5	3	2017	20	12	40	382.2614	1.00E+25	1.00E+25	M	1.1471	1344.262	1344.262	0.049875	23
T	15	U	677273.9	5657365	5	3	2017	20	13	1	380.8195	1.00E+25	1.00E+25	M	1.4689	1345.731	1345.731	0.06995	21
T	15	U	677273.8	5657366	5	3	2017	20	13	19	381.3	1.00E+25	1.00E+25	M	1.1038	1346.834	1346.834	0.061321	18
T	15	U	677275.6	5657368	5	3	2017	20	13	35	382.2614	1.00E+25	1.00E+25	M	2.5814	1349.416	1349.416	0.16134	16
T	15	U	677277.4	5657374	5	3	2017	20	13	48	383.7032	1.00E+25	1.00E+25	M	6.3701	1355.786	1355.786	0.49001	13
T	15	U	677276.6	5657380	5	3	2017	20	13	58	381.7806	1.00E+25	1.00E+25	M	5.4777	1361.264	1361.264	0.54777	10
T	15	U	677274.3	5657382	5	3	2017	20	14	13	380.3387	1.00E+25	1.00E+25	M	3.0789	1364.343	1364.343	0.205261	15
T	15	U	677264.7	5657389	5	3	2017	20	14	30	376.0128	1.00E+25	1.00E+25	M	12.1899	1376.532	1376.532	0.717053	17
T	15	U	677257.1	5657397	5	3	2017	20	14	47	380.3387	1.00E+25	1.00E+25	M	10.8958	1387.428	1387.428	0.64093	17
T	15	U	677256.5	5657401	5	3	2017	20	15	0	380.3387	1.00E+25	1.00E+25	M	3.3035	1390.732	1390.732	0.254117	13
T	15	U	677257	5657403	5	3	2017	20	15	13	380.8195	1.00E+25	1.00E+25	M	2.1668	1392.899	1392.899	0.166681	13
T	15	U	677259.5	5657400	5	3	2017	20	16	5	380.3387	1.00E+25	1.00E+25	M	3.9018	1396.8	1396.8	0.075034	52
T	15	U	677258.6	5657403	5	3	2017	20	16	53	388.51	1.00E+25	1.00E+25	M	3.7857	1400.586	1400.586	0.078869	48
T	15	U	677260	5657405	5	3	2017	20	17	4	383.7032	1.00E+25	1.00E+25	M	2.309	1402.895	1402.895	0.20991	11
T	15	U	677260	5657406	5	3	2017	20	17	20	384.6648	1.00E+25	1.00E+25	M	0.7061	1403.601	1403.601	0.04413	16

T	15	U	677259.4	5657407	5	3	2017	20	18	48	380.8195	1.00E+25	1.00E+25	M	1.2257	1404.827	1404.827	0.013929	88
T	15	U	677259	5657409	5	3	2017	20	18	58	380.3387	1.00E+25	1.00E+25	M	2.0335	1406.86	1406.86	0.203346	10
T	15	U	677256.2	5657415	5	3	2017	20	19	12	378.8969	1.00E+25	1.00E+25	M	6.5179	1413.378	1413.378	0.465561	14
T	15	U	677257.1	5657419	5	3	2017	20	19	31	378.8969	1.00E+25	1.00E+25	M	4.0827	1417.461	1417.461	0.214877	19
T	15	U	677258.8	5657422	5	3	2017	20	19	46	381.3	1.00E+25	1.00E+25	M	3.6487	1421.11	1421.11	0.243249	15
T	15	U	677262.2	5657425	5	3	2017	20	20	0	380.3387	1.00E+25	1.00E+25	M	4.6106	1425.72	1425.72	0.32933	14
T	15	U	677263.2	5657430	5	3	2017	20	20	15	380.3387	1.00E+25	1.00E+25	M	4.751	1430.471	1430.471	0.316736	15
T	15	U	677264.7	5657432	5	3	2017	20	20	34	378.8969	1.00E+25	1.00E+25	M	2.8831	1433.354	1433.354	0.151741	19
T	15	U	677265.6	5657433	5	3	2017	20	21	39	386.5874	1.00E+25	1.00E+25	M	1.3915	1434.746	1434.746	0.021407	65
T	15	U	677264.3	5657437	5	3	2017	20	22	10	380.8195	1.00E+25	1.00E+25	M	4.226	1438.972	1438.972	0.136324	31
T	15	U	677265.6	5657441	5	3	2017	20	22	25	376.9742	1.00E+25	1.00E+25	M	3.6816	1442.653	1442.653	0.24544	15
T	15	U	677265.7	5657441	5	3	2017	20	22	26	376.9742	1.00E+25	1.00E+25	M	0.0421	1442.696	1442.696	0.042067	1
T	15	U	677264.7	5657442	5	3	2017	20	22	38	379.858	1.00E+25	1.00E+25	M	1.9766	1444.672	1444.672	0.164716	12
T	15	U	677266.3	5657446	5	3	2017	20	22	52	382.2614	1.00E+25	1.00E+25	M	4.1084	1448.781	1448.781	0.293458	14
T	15	U	677270.7	5657452	5	3	2017	20	23	5	380.8195	1.00E+25	1.00E+25	M	6.9328	1455.713	1455.713	0.533289	13
T	15	U	677271.8	5657452	5	3	2017	20	23	7	379.858	1.00E+25	1.00E+25	M	1.1018	1456.815	1456.815	0.550916	2
T	15	U	677276.6	5657453	5	3	2017	20	23	18	380.8195	1.00E+25	1.00E+25	M	5.0871	1461.902	1461.902	0.462464	11
T	15	U	677282.1	5657458	5	3	2017	20	23	32	379.3774	1.00E+25	1.00E+25	M	6.9966	1468.899	1468.899	0.499757	14
T	15	U	677286.5	5657463	5	3	2017	20	23	47	376.4935	1.00E+25	1.00E+25	M	6.5451	1475.444	1475.444	0.436339	15
T	15	U	677287.6	5657464	5	3	2017	20	23	58	377.9354	1.00E+25	1.00E+25	M	1.8281	1477.272	1477.272	0.166194	11
T	15	U	677290.7	5657467	5	3	2017	20	24	14	378.8969	1.00E+25	1.00E+25	M	4.2495	1481.522	1481.522	0.265591	16
T	15	U	677297.5	5657473	5	3	2017	20	24	27	376.4935	1.00E+25	1.00E+25	M	8.7631	1490.285	1490.285	0.674081	13
T	15	U	677304.9	5657479	5	3	2017	20	24	41	371.6869	1.00E+25	1.00E+25	M	9.6791	1499.964	1499.964	0.691361	14
T	15	U	677311	5657484	5	3	2017	20	24	53	376.4935	1.00E+25	1.00E+25	M	7.848	1507.812	1507.812	0.653997	12
T	15	U	677308.5	5657490	5	3	2017	20	25	7	378.4161	1.00E+25	1.00E+25	M	6.7656	1514.577	1514.577	0.483254	14
T	15	U	677308.5	5657493	5	3	2017	20	25	26	381.3	1.00E+25	1.00E+25	M	2.6219	1517.199	1517.199	0.137994	19
T	15	U	677307.1	5657494	5	3	2017	20	25	58	383.7032	1.00E+25	1.00E+25	M	1.7911	1518.99	1518.99	0.055973	32
T	15	U	677306.8	5657493	5	3	2017	20	26	38	379.3774	1.00E+25	1.00E+25	M	0.967	1519.957	1519.957	0.024176	40
T	15	U	677305.8	5657497	5	3	2017	20	27	1	381.3	1.00E+25	1.00E+25	M	4.5788	1524.536	1524.536	0.19908	23
T	15	U	677307	5657499	5	3	2017	20	27	12	376.4935	1.00E+25	1.00E+25	M	1.9631	1526.499	1526.499	0.178467	11
T	15	U	677308.2	5657503	5	3	2017	20	27	25	376.0128	1.00E+25	1.00E+25	M	4.0862	1530.585	1530.585	0.314325	13
T	15	U	677312.8	5657507	5	3	2017	20	27	36	375.5321	1.00E+25	1.00E+25	M	6.4166	1537.002	1537.002	0.58333	11
T	15	U	677314.4	5657507	5	3	2017	20	27	49	378.4161	1.00E+25	1.00E+25	M	1.7969	1538.799	1538.799	0.138222	13
T	15	U	677314.9	5657507	5	3	2017	20	27	59	379.858	1.00E+25	1.00E+25	M	0.5026	1539.302	1539.302	0.050264	10
T	15	U	677318.5	5657509	5	3	2017	20	28	15	382.7421	1.00E+25	1.00E+25	M	4.0518	1543.353	1543.353	0.253238	16
T	15	U	677320.5	5657512	5	3	2017	20	28	21	381.3	1.00E+25	1.00E+25	M	4.2359	1547.589	1547.589	0.705984	6
T	15	U	677324	5657519	5	3	2017	20	28	32	381.3	1.00E+25	1.00E+25	M	7.7258	1555.315	1555.315	0.702345	11
T	15	U	677327.1	5657522	5	3	2017	20	28	44	383.2227	1.00E+25	1.00E+25	M	3.9156	1559.231	1559.231	0.326302	12



T	15 U	677330.2	5657518	5	3	2017	20	29	5	384.1841	1.00E+25	1.00E+25	M	4.6266	1563.857	1563.857	0.220316	21
T	15 U	677332.3	5657517	5	3	2017	20	29	18	385.1454	1.00E+25	1.00E+25	M	2.4656	1566.323	1566.323	0.189664	13
T	15 U	677335.6	5657512	5	3	2017	20	29	29	390.4326	1.00E+25	1.00E+25	M	5.9618	1572.285	1572.285	0.541981	11
T	15 U	677336.8	5657512	5	3	2017	20	29	41	386.1067	1.00E+25	1.00E+25	M	1.2356	1573.52	1573.52	0.102966	12
T	15 U	677331.5	5657518	5	3	2017	20	29	58	381.7806	1.00E+25	1.00E+25	M	8.5005	1582.021	1582.021	0.500028	17
T	15 U	677327.6	5657516	5	3	2017	20	30	31	386.5874	1.00E+25	1.00E+25	M	4.5489	1586.57	1586.57	0.137844	33
T	15 U	677329.7	5657517	5	3	2017	20	31	0	387.5486	1.00E+25	1.00E+25	M	2.2667	1588.836	1588.836	0.078163	29
T	15 U	677331.1	5657525	5	3	2017	20	31	32	393.3165	1.00E+25	1.00E+25	M	8.2332	1597.07	1597.07	0.257287	32
T	15 U	677325.2	5657516	5	3	2017	20	32	7	389.4712	1.00E+25	1.00E+25	M	10.6628	1607.732	1607.732	0.304653	35
T	15 U	677327.3	5657515	5	3	2017	20	32	34	384.1841	1.00E+25	1.00E+25	M	2.1251	1609.858	1609.858	0.078706	27
T	15 U	677336	5657520	5	3	2017	20	33	18	382.2614	1.00E+25	1.00E+25	M	9.7342	1619.592	1619.592	0.221232	44
T	15 U	677334.4	5657518	5	3	2017	20	33	39	383.2227	1.00E+25	1.00E+25	M	2.8194	1622.411	1622.411	0.134259	21
T	15 U	677333.5	5657513	5	3	2017	20	34	10	388.9906	1.00E+25	1.00E+25	M	4.3435	1626.755	1626.755	0.140112	31
T	15 U	677337.9	5657517	5	3	2017	20	34	50	397.1617	1.00E+25	1.00E+25	M	5.9117	1632.666	1632.666	0.147792	40
T	15 U	677335.3	5657515	5	3	2017	20	35	18	389.4712	1.00E+25	1.00E+25	M	3.1558	1635.822	1635.822	0.112709	28
T	15 U	677335.1	5657517	5	3	2017	20	35	57	386.1067	1.00E+25	1.00E+25	M	1.5976	1637.42	1637.42	0.040965	39
T	15 U	677342.2	5657521	5	3	2017	20	36	20	384.6648	1.00E+25	1.00E+25	M	8.2399	1645.66	1645.66	0.358255	23
T	15 U	677342.5	5657528	5	3	2017	20	36	34	383.2227	1.00E+25	1.00E+25	M	6.304	1651.964	1651.964	0.450282	14
T	15 U	677345.7	5657534	5	3	2017	20	36	51	387.068	1.00E+25	1.00E+25	M	7.4717	1659.435	1659.435	0.439514	17
T	15 U	677343.4	5657539	5	3	2017	20	37	3	388.9906	1.00E+25	1.00E+25	M	5.0177	1664.453	1664.453	0.418141	12
T	15 U	677341.1	5657545	5	3	2017	20	37	20	388.51	1.00E+25	1.00E+25	M	6.6467	1671.1	1671.1	0.390984	17
T	15 U	677336.9	5657558	5	3	2017	20	37	33	390.9132	1.00E+25	1.00E+25	M	13.6704	1684.77	1684.77	1.051569	13
T	15 U	677334.9	5657567	5	3	2017	20	37	48	389.9519	1.00E+25	1.00E+25	M	9.1634	1693.934	1693.934	0.610896	15
T	15 U	677336.2	5657570	5	3	2017	20	38	5	388.51	1.00E+25	1.00E+25	M	2.9251	1696.859	1696.859	0.172062	17
T	15 U	677330.9	5657577	5	3	2017	20	38	22	389.4712	1.00E+25	1.00E+25	M	9.0689	1705.928	1705.928	0.533466	17
T	15 U	677327.2	5657584	5	3	2017	20	38	38	392.8359	1.00E+25	1.00E+25	M	8.2792	1714.207	1714.207	0.51745	16
T	15 U	677332.5	5657582	5	3	2017	20	39	22	397.6425	1.00E+25	1.00E+25	M	5.6478	1719.854	1719.854	0.128359	44
T	15 U	677332.1	5657588	5	3	2017	20	39	34	389.9519	1.00E+25	1.00E+25	M	5.551	1725.405	1725.405	0.462584	12
T	15 U	677335.4	5657596	5	3	2017	20	39	50	387.5486	1.00E+25	1.00E+25	M	9.0544	1734.46	1734.46	0.565897	16
T	15 U	677334.9	5657599	5	3	2017	20	40	4	384.6648	1.00E+25	1.00E+25	M	2.511	1736.971	1736.971	0.179358	14
T	15 U	677337.3	5657605	5	3	2017	20	40	19	388.0293	1.00E+25	1.00E+25	M	6.5858	1743.557	1743.557	0.439051	15
T	15 U	677341.5	5657605	5	3	2017	20	40	31	385.626	1.00E+25	1.00E+25	M	4.2483	1747.805	1747.805	0.354024	12
T	15 U	677337.1	5657606	5	3	2017	20	41	20	372.1675	1.00E+25	1.00E+25	M	4.6195	1752.424	1752.424	0.094275	49
T	15 U	677338.4	5657605	5	3	2017	20	42	9	392.3553	1.00E+25	1.00E+25	M	1.7223	1754.147	1754.147	0.03515	49
T	15 U	677344.6	5657605	5	3	2017	20	42	22	389.9519	1.00E+25	1.00E+25	M	6.1892	1760.336	1760.336	0.476095	13
T	15 U	677351.3	5657604	5	3	2017	20	42	38	390.4326	1.00E+25	1.00E+25	M	6.7719	1767.108	1767.108	0.423242	16
T	15 U	677352	5657600	5	3	2017	20	42	52	387.5486	1.00E+25	1.00E+25	M	4.7005	1771.808	1771.808	0.335748	14
T	15 U	677348	5657601	5	3	2017	20	43	10	388.0293	1.00E+25	1.00E+25	M	4.0937	1775.902	1775.902	0.227428	18

T	15	U	677349.2	5657601	5	3	2017	20	43	33	382.7421	1.00E+25	1.00E+25	M	1.3728	1777.275	1777.275	0.059688	23
T	15	U	677350.2	5657599	5	3	2017	20	44	2	395.2391	1.00E+25	1.00E+25	M	2.0341	1779.309	1779.309	0.070141	29
T	15	U	677349.2	5657595	5	3	2017	20	44	45	396.6812	1.00E+25	1.00E+25	M	4.235	1783.544	1783.544	0.098488	43
T	15	U	677350.5	5657596	5	3	2017	20	45	11	396.2006	1.00E+25	1.00E+25	M	1.6674	1785.211	1785.211	0.064131	26
T	15	U	677347.2	5657597	5	3	2017	20	45	37	393.7972	1.00E+25	1.00E+25	M	3.3304	1788.542	1788.542	0.128092	26
T	15	U	677353.7	5657597	5	3	2017	20	46	25	391.3938	1.00E+25	1.00E+25	M	6.4755	1795.017	1795.017	0.134907	48
T	15	U	677352.5	5657602	5	3	2017	20	47	8	394.7585	1.00E+25	1.00E+25	M	4.6784	1799.696	1799.696	0.108801	43
T	15	U	677350.6	5657593	5	3	2017	20	48	4	395.2391	1.00E+25	1.00E+25	M	8.9378	1808.633	1808.633	0.159603	56
T	15	U	677349.3	5657596	5	3	2017	20	48	25	388.0293	1.00E+25	1.00E+25	M	3.5248	1812.158	1812.158	0.167848	21
T	15	U	677348.7	5657596	5	3	2017	20	48	48	380.3387	1.00E+25	1.00E+25	M	0.7252	1812.883	1812.883	0.031532	23
T	15	U	677347.4	5657602	5	3	2017	20	49	9	387.5486	1.00E+25	1.00E+25	M	6.1729	1819.056	1819.056	0.293947	21
T	15	U	677349	5657600	5	3	2017	20	49	23	392.8359	1.00E+25	1.00E+25	M	2.3796	1821.436	1821.436	0.169974	14
T	15	U	677352.4	5657595	5	3	2017	20	49	51	399.0844	1.00E+25	1.00E+25	M	5.8789	1827.315	1827.315	0.209962	28
T	15	U	677358.4	5657601	5	3	2017	20	50	36	391.3938	1.00E+25	1.00E+25	M	8.2019	1835.517	1835.517	0.182265	45
T	15	U	677359.8	5657599	5	3	2017	20	50	48	389.9519	1.00E+25	1.00E+25	M	2.112	1837.629	1837.629	0.175999	12
T	15	U	677355.1	5657600	5	3	2017	20	51	4	388.51	1.00E+25	1.00E+25	M	4.7723	1842.401	1842.401	0.29827	16
T	15	U	677348.3	5657598	5	3	2017	20	51	40	388.51	1.00E+25	1.00E+25	M	7.1085	1849.51	1849.51	0.197458	36
T	15	U	677351.2	5657600	5	3	2017	20	52	36	396.2006	1.00E+25	1.00E+25	M	3.6152	1853.125	1853.125	0.064557	56
T	15	U	677354.3	5657601	5	3	2017	20	53	3	392.3553	1.00E+25	1.00E+25	M	3.1234	1856.248	1856.248	0.115682	27
T	15	U	677351.9	5657596	5	3	2017	20	53	28	393.3165	1.00E+25	1.00E+25	M	5.5566	1861.805	1861.805	0.222265	25
T	15	U	677351.5	5657601	5	3	2017	20	54	2	390.9132	1.00E+25	1.00E+25	M	5.5976	1867.402	1867.402	0.164634	34
T	15	U	677350.2	5657602	5	3	2017	20	54	36	389.4712	1.00E+25	1.00E+25	M	1.6606	1869.063	1869.063	0.04884	34
T	15	U	677347.2	5657602	5	3	2017	20	55	2	388.9906	1.00E+25	1.00E+25	M	3.0613	1872.124	1872.124	0.117741	26
T	15	U	677348	5657601	5	3	2017	20	55	22	384.6648	1.00E+25	1.00E+25	M	1.2147	1873.339	1873.339	0.060734	20
T	15	U	677348.7	5657594	5	3	2017	20	55	54	379.3774	1.00E+25	1.00E+25	M	6.8207	1880.16	1880.16	0.213148	32
T	15	U	677351	5657589	5	3	2017	20	56	9	377.4548	1.00E+25	1.00E+25	M	5.4613	1885.621	1885.621	0.364085	15
T	15	U	677355.4	5657587	5	3	2017	20	56	22	378.8969	1.00E+25	1.00E+25	M	5.0608	1890.682	1890.682	0.389289	13
T	15	U	677363.6	5657588	5	3	2017	20	56	34	381.3	1.00E+25	1.00E+25	M	8.2096	1898.891	1898.891	0.684131	12
T	15	U	677368.9	5657589	5	3	2017	20	56	47	384.1841	1.00E+25	1.00E+25	M	5.3477	1904.239	1904.239	0.411361	13
T	15	U	677374.3	5657586	5	3	2017	20	56	59	385.626	1.00E+25	1.00E+25	M	6.0216	1910.261	1910.261	0.501799	12
T	15	U	677377.9	5657585	5	3	2017	20	57	11	385.626	1.00E+25	1.00E+25	M	3.8192	1914.08	1914.08	0.318267	12
T	15	U	677383.1	5657585	5	3	2017	20	57	23	386.1067	1.00E+25	1.00E+25	M	5.2017	1919.281	1919.281	0.433473	12
T	15	U	677393.3	5657585	5	3	2017	20	57	40	386.5874	1.00E+25	1.00E+25	M	10.151	1929.432	1929.432	0.597119	17
T	15	U	677400.7	5657581	5	3	2017	20	57	55	384.1841	1.00E+25	1.00E+25	M	8.6421	1938.075	1938.075	0.576142	15
T	15	U	677404.6	5657581	5	3	2017	20	58	5	385.1454	1.00E+25	1.00E+25	M	3.823	1941.898	1941.898	0.382299	10
T	15	U	677411.7	5657583	5	3	2017	20	58	17	384.1841	1.00E+25	1.00E+25	M	7.4126	1949.31	1949.31	0.61772	12
T	15	U	677416.6	5657587	5	3	2017	20	58	28	382.7421	1.00E+25	1.00E+25	M	6.1485	1955.459	1955.459	0.558952	11
T	15	U	677420	5657586	5	3	2017	20	58	41	382.7421	1.00E+25	1.00E+25	M	3.4062	1958.865	1958.865	0.262012	13

T	15	U	677421.6	5657587	5	3	2017	20	58	53	383.2227	1.00E+25	1.00E+25	M	1.7519	1960.617	1960.617	0.145991	12
T	15	U	677427	5657588	5	3	2017	20	59	4	384.1841	1.00E+25	1.00E+25	M	5.507	1966.124	1966.124	0.500636	11
T	15	U	677428.5	5657591	5	3	2017	20	59	17	385.1454	1.00E+25	1.00E+25	M	3.0838	1969.208	1969.208	0.237215	13
T	15	U	677432.3	5657592	5	3	2017	20	59	33	385.626	1.00E+25	1.00E+25	M	4.0823	1973.29	1973.29	0.255142	16
T	15	U	677434.1	5657591	5	3	2017	20	59	48	387.5486	1.00E+25	1.00E+25	M	2.6053	1975.895	1975.895	0.173683	15
T	15	U	677437.2	5657589	5	3	2017	21	0	0	386.5874	1.00E+25	1.00E+25	M	3.5372	1979.432	1979.432	0.294769	12
T	15	U	677441.6	5657587	5	3	2017	21	0	11	388.51	1.00E+25	1.00E+25	M	4.8802	1984.312	1984.312	0.443654	11
T	15	U	677443.5	5657586	5	3	2017	21	0	26	384.6648	1.00E+25	1.00E+25	M	2.2809	1986.593	1986.593	0.152059	15
T	15	U	677450.5	5657586	5	3	2017	21	0	41	383.2227	1.00E+25	1.00E+25	M	6.963	1993.556	1993.556	0.464199	15
T	15	U	677450.7	5657588	5	3	2017	21	0	50	381.7806	1.00E+25	1.00E+25	M	1.9699	1995.526	1995.526	0.218876	9
T	15	U	677454.5	5657587	5	3	2017	21	1	5	378.8969	1.00E+25	1.00E+25	M	3.862	1999.388	1999.388	0.257465	15
T	15	U	677459.7	5657586	5	3	2017	21	1	17	380.8195	1.00E+25	1.00E+25	M	5.4293	2004.818	2004.818	0.452445	12
T	15	U	677465.8	5657580	5	3	2017	21	1	33	379.3774	1.00E+25	1.00E+25	M	8.5448	2013.362	2013.362	0.534048	16
T	15	U	677470.4	5657579	5	3	2017	21	1	48	381.7806	1.00E+25	1.00E+25	M	4.6796	2018.042	2018.042	0.311972	15
T	15	U	677474.4	5657573	5	3	2017	21	2	3	383.7032	1.00E+25	1.00E+25	M	6.8577	2024.9	2024.9	0.457178	15
T	15	U	677480.2	5657567	5	3	2017	21	2	17	377.4548	1.00E+25	1.00E+25	M	8.6752	2033.575	2033.575	0.619659	14
T	15	U	677484.8	5657558	5	3	2017	21	2	31	372.1675	1.00E+25	1.00E+25	M	9.6391	2043.214	2043.214	0.688504	14
T	15	U	677491.2	5657554	5	3	2017	21	2	43	374.0901	1.00E+25	1.00E+25	M	7.5993	2050.813	2050.813	0.633272	12
T	15	U	677494.6	5657551	5	3	2017	21	2	56	376.4935	1.00E+25	1.00E+25	M	4.265	2055.078	2055.078	0.328079	13
T	15	U	677495.7	5657550	5	3	2017	21	3	6	376.0128	1.00E+25	1.00E+25	M	1.9401	2057.018	2057.018	0.194013	10
T	15	U	677497.3	5657548	5	3	2017	21	3	13	375.5321	1.00E+25	1.00E+25	M	2.713	2059.731	2059.731	0.387566	7
T	15	U	677498.7	5657545	5	3	2017	21	3	27	376.4935	1.00E+25	1.00E+25	M	3.3735	2063.105	2063.105	0.240966	14
T	15	U	677499.5	5657539	5	3	2017	21	3	49	383.2227	1.00E+25	1.00E+25	M	5.414	2068.519	2068.519	0.246092	22
T	15	U	677499.8	5657537	5	3	2017	21	3	54	382.7421	1.00E+25	1.00E+25	M	1.8826	2070.401	2070.401	0.376522	5
T	15	U	677504.2	5657534	5	3	2017	21	4	6	379.3774	1.00E+25	1.00E+25	M	5.3769	2075.778	2075.778	0.448072	12
T	15	U	677503.5	5657531	5	3	2017	21	4	19	379.858	1.00E+25	1.00E+25	M	3.7172	2079.495	2079.495	0.285942	13
T	15	U	677507.1	5657529	5	3	2017	21	4	30	379.3774	1.00E+25	1.00E+25	M	4.1003	2083.596	2083.596	0.372754	11
T	15	U	677510.7	5657527	5	3	2017	21	4	40	379.858	1.00E+25	1.00E+25	M	3.8447	2087.44	2087.44	0.38447	10
T	15	U	677516.2	5657527	5	3	2017	21	4	53	379.3774	1.00E+25	1.00E+25	M	5.4503	2092.891	2092.891	0.419255	13
T	15	U	677518.6	5657526	5	3	2017	21	4	58	377.9354	1.00E+25	1.00E+25	M	2.7832	2095.674	2095.674	0.556641	5
T	15	U	677523.9	5657521	5	3	2017	21	5	9	376.4935	1.00E+25	1.00E+25	M	7.0258	2102.7	2102.7	0.638705	11
T	15	U	677528.4	5657520	5	3	2017	21	5	20	377.9354	1.00E+25	1.00E+25	M	4.5234	2107.223	2107.223	0.411222	11
T	15	U	677531.9	5657518	5	3	2017	21	5	33	378.4161	1.00E+25	1.00E+25	M	4.5434	2111.767	2111.767	0.349496	13
T	15	U	677532.6	5657517	5	3	2017	21	5	48	377.9354	1.00E+25	1.00E+25	M	0.6521	2112.419	2112.419	0.043476	15
T	15	U	677532.3	5657518	5	3	2017	21	6	31	380.8195	1.00E+25	1.00E+25	M	0.4655	2112.884	2112.884	0.010827	43
T	15	U	677535.2	5657516	5	3	2017	21	6	53	380.8195	1.00E+25	1.00E+25	M	3.2304	2116.115	2116.115	0.146837	22
T	15	U	677539.3	5657516	5	3	2017	21	7	5	379.3774	1.00E+25	1.00E+25	M	4.0633	2120.178	2120.178	0.338609	12
T	15	U	677543.2	5657513	5	3	2017	21	7	14	377.9354	1.00E+25	1.00E+25	M	4.8935	2125.072	2125.072	0.543722	9

T	15	U	677550	5657511	5	3	2017	21	7	25	376.9742	1.00E+25	1.00E+25	M	7.2047	2132.276	2132.276	0.65497	11
T	15	U	677553.2	5657514	5	3	2017	21	7	35	378.4161	1.00E+25	1.00E+25	M	4.5105	2136.787	2136.787	0.451054	10
T	15	U	677553.6	5657515	5	3	2017	21	7	36	378.4161	1.00E+25	1.00E+25	M	0.8229	2137.61	2137.61	0.822945	1
T	15	U	677558.4	5657520	5	3	2017	21	7	48	379.858	1.00E+25	1.00E+25	M	6.8544	2144.464	2144.464	0.571201	12
T	15	U	677558.5	5657520	5	3	2017	21	8	3	377.9354	1.00E+25	1.00E+25	M	0.3205	2144.785	2144.785	0.021363	15
T	15	U	677562.8	5657523	5	3	2017	21	8	15	379.858	1.00E+25	1.00E+25	M	5.4607	2150.245	2150.245	0.45506	12
T	15	U	677569.6	5657525	5	3	2017	21	8	28	382.7421	1.00E+25	1.00E+25	M	6.9194	2157.165	2157.165	0.532261	13
T	15	U	677577.6	5657524	5	3	2017	21	8	40	383.2227	1.00E+25	1.00E+25	M	8.0238	2165.188	2165.188	0.668652	12
T	15	U	677586.8	5657522	5	3	2017	21	8	53	385.1454	1.00E+25	1.00E+25	M	9.4788	2174.667	2174.667	0.729141	13
T	15	U	677594.2	5657520	5	3	2017	21	9	4	387.5486	1.00E+25	1.00E+25	M	7.8088	2182.476	2182.476	0.709894	11
T	15	U	677600.8	5657519	5	3	2017	21	9	15	386.1067	1.00E+25	1.00E+25	M	6.5473	2189.023	2189.023	0.595212	11
T	15	U	677607.4	5657521	5	3	2017	21	9	26	386.5874	1.00E+25	1.00E+25	M	7.0357	2196.059	2196.059	0.639605	11
T	15	U	677612.4	5657521	5	3	2017	21	9	37	386.5874	1.00E+25	1.00E+25	M	5.0457	2201.105	2201.105	0.458701	11
T	15	U	677624.7	5657522	5	3	2017	21	10	21	389.4712	1.00E+25	1.00E+25	M	12.3716	2213.476	2213.476	0.281174	44
T	15	U	677635	5657524	5	3	2017	21	10	38	385.1454	1.00E+25	1.00E+25	M	10.4077	2223.884	2223.884	0.61222	17
T	15	U	677640.9	5657519	5	3	2017	21	10	58	379.3774	1.00E+25	1.00E+25	M	7.7593	2231.644	2231.644	0.387965	20
T	15	U	677642	5657508	5	3	2017	21	11	15	377.4548	1.00E+25	1.00E+25	M	11.0099	2242.653	2242.653	0.647644	17
T	15	U	677642.7	5657498	5	3	2017	21	11	30	380.8195	1.00E+25	1.00E+25	M	10.0184	2252.672	2252.672	0.66789	15
T	15	U	677644.2	5657489	5	3	2017	21	11	52	384.6648	1.00E+25	1.00E+25	M	9.0948	2261.767	2261.767	0.413401	22
T	15	U	677646.3	5657486	5	3	2017	21	12	51	384.1841	1.00E+25	1.00E+25	M	3.8268	2265.593	2265.593	0.064861	59
T	15	U	677649.2	5657479	5	3	2017	21	13	7	379.858	1.00E+25	1.00E+25	M	7.9332	2273.527	2273.527	0.495826	16
T	15	U	677653.1	5657470	5	3	2017	21	13	21	378.4161	1.00E+25	1.00E+25	M	9.2854	2282.812	2282.812	0.663245	14
T	15	U	677653.6	5657459	5	3	2017	21	13	36	376.4935	1.00E+25	1.00E+25	M	10.9703	2293.782	2293.782	0.731356	15
T	15	U	677654.2	5657453	5	3	2017	21	13	48	375.0515	1.00E+25	1.00E+25	M	6.1016	2299.884	2299.884	0.508463	12
T	15	U	677655.3	5657445	5	3	2017	21	14	2	375.0515	1.00E+25	1.00E+25	M	7.7878	2307.672	2307.672	0.556275	14
T	15	U	677653.5	5657439	5	3	2017	21	14	15	377.4548	1.00E+25	1.00E+25	M	6.8892	2314.561	2314.561	0.529937	13
T	15	U	677652.1	5657434	5	3	2017	21	14	35	375.5321	1.00E+25	1.00E+25	M	4.6476	2319.209	2319.209	0.232382	20
T	15	U	677649.8	5657429	5	3	2017	21	14	46	373.6095	1.00E+25	1.00E+25	M	5.6301	2324.839	2324.839	0.511824	11
T	15	U	677648.3	5657428	5	3	2017	21	14	59	377.4548	1.00E+25	1.00E+25	M	1.8869	2326.726	2326.726	0.145149	13
T	15	U	677647.3	5657423	5	3	2017	21	15	17	379.3774	1.00E+25	1.00E+25	M	5.2365	2331.962	2331.962	0.290915	18
T	15	U	677646.4	5657420	5	3	2017	21	15	31	377.4548	1.00E+25	1.00E+25	M	3.5332	2335.495	2335.495	0.252374	14
T	15	U	677645.7	5657414	5	3	2017	21	15	43	376.4935	1.00E+25	1.00E+25	M	5.1459	2340.641	2340.641	0.428821	12
T	15	U	677648.1	5657411	5	3	2017	21	16	3	374.5708	1.00E+25	1.00E+25	M	4.3081	2344.949	2344.949	0.215406	20
T	15	U	677651.7	5657409	5	3	2017	21	16	14	376.0128	1.00E+25	1.00E+25	M	4.0433	2348.993	2348.993	0.367576	11
T	15	U	677652.5	5657404	5	3	2017	21	16	26	376.9742	1.00E+25	1.00E+25	M	4.8407	2353.833	2353.833	0.403393	12
T	15	U	677650	5657404	5	3	2017	21	17	27	384.1841	1.00E+25	1.00E+25	M	2.5082	2356.342	2356.342	0.041118	61
T	15	U	677650.5	5657400	5	3	2017	21	17	43	381.3	1.00E+25	1.00E+25	M	3.8749	2360.217	2360.217	0.242184	16
T	15	U	677651.9	5657398	5	3	2017	21	18	3	379.858	1.00E+25	1.00E+25	M	2.0061	2362.223	2362.223	0.100306	20

T	15 U	677655.9	5657397	5	3	2017	21	18	19	377.9354	1.00E+25	1.00E+25	M	4.199	2366.422	2366.422	0.262439	16
T	15 U	677660.1	5657392	5	3	2017	21	18	39	376.4935	1.00E+25	1.00E+25	M	6.9687	2373.39	2373.39	0.348437	20
T	15 U	677662.3	5657387	5	3	2017	21	18	52	375.5321	1.00E+25	1.00E+25	M	5.1607	2378.551	2378.551	0.396977	13
T	15 U	677666.9	5657386	5	3	2017	21	19	4	375.0515	1.00E+25	1.00E+25	M	4.7108	2383.262	2383.262	0.392564	12
T	15 U	677669	5657383	5	3	2017	21	19	22	376.0128	1.00E+25	1.00E+25	M	3.301	2386.563	2386.563	0.183387	18
T	15 U	677672.3	5657381	5	3	2017	21	19	40	381.3	1.00E+25	1.00E+25	M	4.2765	2390.839	2390.839	0.237584	18
T	15 U	677674.7	5657380	5	3	2017	21	20	13	382.7421	1.00E+25	1.00E+25	M	2.497	2393.336	2393.336	0.075667	33
T	15 U	677677.7	5657377	5	3	2017	21	20	49	380.3387	1.00E+25	1.00E+25	M	3.7391	2397.075	2397.075	0.103863	36
T	15 U	677678.8	5657382	5	3	2017	21	21	0	380.8195	1.00E+25	1.00E+25	M	4.9521	2402.028	2402.028	0.450188	11
T	15 U	677679.4	5657385	5	3	2017	21	21	22	376.4935	1.00E+25	1.00E+25	M	2.3133	2404.341	2404.341	0.105149	22
T	15 U	677682.5	5657387	5	3	2017	21	22	11	376.0128	1.00E+25	1.00E+25	M	3.7264	2408.067	2408.067	0.076049	49
T	15 U	677690.1	5657387	5	3	2017	21	22	26	374.5708	1.00E+25	1.00E+25	M	7.6187	2415.686	2415.686	0.507916	15
T	15 U	677695.8	5657383	5	3	2017	21	22	38	373.1289	1.00E+25	1.00E+25	M	6.5688	2422.255	2422.255	0.547401	12
T	15 U	677702	5657378	5	3	2017	21	22	52	372.6482	1.00E+25	1.00E+25	M	8.2516	2430.506	2430.506	0.589397	14
T	15 U	677712.8	5657378	5	3	2017	21	23	7	372.1675	1.00E+25	1.00E+25	M	10.7583	2441.265	2441.265	0.717223	15
T	15 U	677723.9	5657381	5	3	2017	21	23	19	371.2063	1.00E+25	1.00E+25	M	11.4237	2452.688	2452.688	0.951978	12
T	15 U	677738.2	5657379	5	3	2017	21	23	33	373.1289	1.00E+25	1.00E+25	M	14.3707	2467.059	2467.059	1.02648	14
T	15 U	677747.7	5657377	5	3	2017	21	23	44	374.0901	1.00E+25	1.00E+25	M	9.6139	2476.673	2476.673	0.873988	11
T	15 U	677757.8	5657381	5	3	2017	21	24	2	374.0901	1.00E+25	1.00E+25	M	10.799	2487.472	2487.472	0.599942	18
T	15 U	677765.6	5657388	5	3	2017	21	24	17	374.0901	1.00E+25	1.00E+25	M	10.7226	2498.195	2498.195	0.714842	15
T	15 U	677773.2	5657394	5	3	2017	21	24	31	373.6095	1.00E+25	1.00E+25	M	9.397	2507.592	2507.592	0.671216	14
T	15 U	677779	5657403	5	3	2017	21	24	47	373.1289	1.00E+25	1.00E+25	M	10.859	2518.451	2518.451	0.678687	16
T	15 U	677782.5	5657407	5	3	2017	21	25	5	373.6095	1.00E+25	1.00E+25	M	5.836	2524.287	2524.287	0.32422	18
T	15 U	677780.6	5657406	5	3	2017	21	25	23	371.6869	1.00E+25	1.00E+25	M	2.4604	2526.747	2526.747	0.13669	18
T	15 U	677783.3	5657406	5	3	2017	21	25	39	373.6095	1.00E+25	1.00E+25	M	2.6999	2529.447	2529.447	0.168746	16
T	15 U	677783.8	5657405	5	3	2017	21	25	56	373.6095	1.00E+25	1.00E+25	M	0.6396	2530.087	2530.087	0.037623	17



**Appendix III**

**Rockex Mining Corporation**

**2017 East Soules Bay**

**Beep Mat Instructions**

- Instruction how to handle the Beep Mat**
- Beep Mat free rental form from MNDM**

**Appendix IV**  
**Rockex Mining Corporation**  
**2017 East Soules Bay**  
**Beep Mat Prospecting Program Invoices**