

Arizona Sonoran Drilling Extends Mineralization West of the Modelled Cactus Open Pit

Casa Grande, AZ and Toronto, ON, November 17, 2021 – Arizona Sonoran Copper Company Inc. (TSX:ASCU) (“ASCU” or the “Company”), an emerging US-based copper developer and near-term producer, announces the first set of drilling results from its 8 initial diamond drill holes for over 2,938 m (9,639 ft) along the western periphery of the Cactus West pit. The drilling demonstrates continuous leachable mineralization including extensions outwards from the modelled pit shell by at least 61 m (200 ft). Mineralization from the infill drilling remains open to the west (see [FIGURES 1 – 3](#)) and **TABLE 1** below.

The 2021 mineral resource conversion drill program was designed to upgrade the current mineral resources at the Cactus West Open Pit and Cactus East Underground, from inferred to indicated and from indicated to measured resources in advance of current ongoing technical studies. Additionally, the program informs mineral resource growth zones for the 2022 expansion drilling program set to begin shortly. A full set of drill highlights may be found in **TABLE 1**, below.

Drilling Highlights (please see **TABLE 1** for full set of drilling results)

- 1) Leachable material identified extending 61 m (200 ft) west from the modelled open pit
- 2) **ECW-029** 0.774 % Cu TSol over 34 m (113 ft) of enriched mineralization
- 3) **ECW-025** 0.272% Cu TSol over 108 m (355 ft) of oxide mineralization
- 4) **ECW-022** 0.519% Cu TSol over 40 m (130 ft) of enriched mineralization
- 5) **ECW-023** 0.695% Cu TSol over 15.3 m (50.3 ft) of enriched mineralization

George Ogilvie, Arizona Sonoran President and CEO stated, “These drilling results are the first of many exciting developments at the Cactus Project. The drill program is designed to target some materials previously viewed as waste by ASARCO, who at that time were processing sulphide-only material through a floatation mill. With ASCU targeting the leachable materials which sit atop the sulphide mineralization for a heap leach operation, the infill to indicated and measured drilling program may positively affect the starter resource base and ultimately the economics of the pit.

He continued, “The first priority at Cactus is mineral resource conversion as we gear up for the upcoming Prefeasibility Study in 2022 with maiden reserves. Shortly, however we will look to Park/Salyer for pure exploration drilling in conjunction with Cactus Drilling.”

Geological Description

The Cactus West Orebody extends southwesterly at depth under the western highwall of the pit and beneath the bounding West Fault. Oxide and upper enriched ore zones were intersected to the west of the pit wall in 2020 step out drilling and were further targeted by the current infill program. This portion of the drilling traces the NE-SW trend of the high-grade center of the historic Sacaton West orebody. Results from this portion of the current drilling reinforce the positive results from the previous step out drilling in this area. Core drilling continues northward up the western edge of the pit to complete this successful phase of infill drilling. Condemnation hole, ECW-027, was drilled as a sterilization hole to define the ultimate edge of the western pit for infrastructure planning purposes, located 305 m (1,000 ft) west of the open pit.

TABLE 1: Drilling Highlights

Hole	Metres			Feet			TCu	Tsol	Mineralization	
	From	To	Length	From	To	Length				
ECW-022	163.7	166.1	2.4	537.0	545.0	8.0	0.246	0.205	oxide	
	188.1	191.1	3.0	617.0	627.0	10.0	0.333	0.314	enriched	
	199.6	203.0	3.4	655.0	666.0	11.0	0.159	0.110	oxide	
	206.0	226.2	20.1	676.0	742.0	66.0	0.314	0.283	oxide	
	232.3	238.4	6.1	762.0	782.0	20.0	0.319	0.318	oxide	
	247.5	250.5	3.0	812.0	822.0	10.0	0.524	0.510	enriched	
	281.0	284.1	3.0	922.0	932.0	10.0	0.623	0.586	enriched	
	296.3	299.3	3.0	972.0	982.0	10.0	0.192	0.173	oxide	
	317.6	357.2	39.6	1042.0	1172.0	130.0	0.552	0.519	enriched	
	357.2	397.6	40.4	1172.0	1304.6	132.6	0.199	0.020	primary	
ECW-023	156.3	158.2	1.9	512.7	519.0	6.3	0.270	0.203	oxide	
	164.3	170.4	6.1	539.1	559.0	19.9	0.115	0.044	oxide	
	172.5	175.6	3.1	565.9	576.0	10.1	0.175	0.157	enriched	
	194.7	210.0	15.3	638.7	689.0	50.3	0.750	0.695	oxide	
	236.5	239.6	3.0	776.0	786.0	10.0	0.284	0.261	oxide	
	263.9	294.4	30.6	865.7	966.0	100.3	0.397	0.356	oxide	
	incl.	270.1	282.2	12.2	886.0	926.0	40.0	0.524	0.489	
		294.4	305.3	10.8	966.0	1001.5	35.5	0.461	0.377	enriched
	305.3	425.5	120.2	1001.5	1396.0	394.5	0.385	0.032	primary	
incl.	361.5	395.3	33.8	1186.0	1297.0	111.0	0.580	0.038		
ECW-024	149.8	206.3	56.5	491.6	677.0	185.4	0.247	0.195	oxide	



Hole	Metres			Feet			TCu	Tsol	Mineralization
	206.3	218.5	12.2	677.0	717.0	40.0	0.668	0.607	enriched
	227.7	230.7	3.0	747.0	757.0	10.0	1.275	1.178	enriched
	236.8	252.1	15.2	777.0	827.0	50.0	0.247	0.199	oxide
	252.1	266.7	14.6	827.0	875.0	48.0	0.398	0.363	enriched
ECW-025	176.2	179.7	3.6	578.0	589.7	11.7	0.350	0.311	oxide
	180.2	182.9	2.7	591.1	600.0	8.9	0.114	0.079	oxide
	189.0	297.2	108.2	620.0	975.0	355.0	0.319	0.272	oxide
	297.2	319.8	22.6	975.0	1049.3	74.3	0.238	0.042	primary
ECW-026	145.0	164.3	19.3	475.8	539.0	63.2	0.262	0.226	oxide
	164.3	170.1	5.8	539.0	558.0	19.0	0.653	0.616	enriched
	170.1	200.6	30.5	558.0	658.0	100.0	0.239	0.195	oxide
	203.6	252.4	48.8	668.0	828.0	160.0	0.419	0.271	enriched
incl.	205.3	212.8	7.5	673.4	698.0	24.6	1.136	1.011	
	252.4	287.7	35.4	828.0	944.0	116.0	0.422	0.041	primary
ECW-027	306.9	310.6	3.7	1007.0	1019.0	12.0	0.431	0.371	oxide
	316.1	331.3	15.2	1037.0	1087.0	50.0	0.224	0.193	oxide
	353.6	354.6	1.1	1160.0	1163.5	3.5	0.952	0.937	enriched
	360.6	368.5	7.9	1183.0	1209.0	26.0	0.255	0.251	enriched
	377.3	404.5	27.1	1238.0	1327.0	89.0	0.303	0.296	enriched
	404.5	469.4	64.9	1327.0	1540.0	213.0	0.134	0.031	primary
ECW-028	199.9	208.5	8.5	656.0	684.0	28.0	0.293	0.254	oxide
	223.4	226.2	2.7	733.0	742.0	9.0	0.101	0.048	oxide
	231.0	246.3	15.2	758.0	808.0	50.0	0.161	0.138	oxide
	276.8	279.8	3.0	908.0	918.0	10.0	0.174	0.150	enriched
	325.5	331.6	6.1	1068.0	1088.0	20.0	0.884	0.704	enriched
	356.8	359.7	2.9	1170.5	1180.0	9.5	0.180	0.121	enriched
	359.7	396.2	36.6	1180.0	1300.0	120.0	0.181	0.025	primary
ECW-029	141.4	184.9	43.4	464.0	606.5	142.5	0.308	0.266	oxide
	184.9	219.2	34.3	606.5	719.0	112.5	0.815	0.774	enriched
incl.	184.9	200.1	15.2	606.5	656.5	50.0	1.207	1.175	
	219.2	240.5	21.3	719.0	789.0	70.0	0.464	0.412	oxide
	240.5	283.2	42.7	789.0	929.0	140.0	0.503	0.409	enriched
	283.2	333.5	50.3	929.0	1094.0	165.0	0.246	0.029	primary

1. Intervals are presented in core length; are drilled with dip angles between 55 degrees and 75 degrees to target zones for expansion of mineralization.
2. Drill assays assume a mineralized cut-off grade of 0.1% CuT reflecting the potential for heap leaching in the case of Oxide and Enriched material, or to provide typical average grades in the case of Primary material. Most holes were terminated in Primary mineralization.
3. Assay results are not capped. Intercepts are aggregated within geological confines of major mineral zones.

Table 2: Drill details

Hole	Easting	Northing	Elevation	Depth	Azimuth	Dip
ECW-022	388487	63755.44	1442.515	1304.6	90	-45
ECW-023	388549.7	63522.79	1440.507	1396	85	-55
ECW-024	388655.8	63299.22	1440.143	1011	80	-50
ECW-025	388422.3	63084.55	1435.619	1049.3	70	-60
ECW-026	388733.6	63020.49	1436.774	944	70	-55
ECW-027	387759.6	63329.03	1434.005	1540	90	-60
ECW-028	388349.6	63761.94	1441.334	1300	94	-55
ECW-029	388731.2	63020.03	1436.823	1094	70	-80

Quality Assurance / Quality Control

Drilling completed on the project in 2020 was supervised by on-site ASCU personnel who prepared core samples for assay and implemented a full QA/QC program using blanks, standards and duplicates to monitor analytical accuracy and precision. The samples were sealed on site and shipped to Skyline Laboratories in Tucson AZ for analysis. Skyline's quality control system complies with global certifications for Quality ISO9001:2008.

Technical aspects of this news release have been reviewed and verified by Allan Schappert – CPG, who is a qualified person as defined by National Instrument 43-101– Standards of Disclosure for Mineral Projects.

Links from the Press Release

FIGURES 1-3: <https://arizonasonoran.com/projects/cactus-mine-project/press-release-images/>

Neither the TSX nor the regulating authority has approved or disapproved the information contained in this press release.

About Arizona Sonoran Copper Company (www.arizonasonoran.com | www.cactusmine.com)

ASCU's objective is to become a mid-tier copper producer with low operating costs, develop the Cactus Project that could generate robust returns for investors, and provide a long term

sustainable and responsible operation for the community and all stakeholders. The Company's principal asset is a 100% interest in the Cactus Project (former ASARCO, Sacaton mine) which is situated on private land in an infrastructure-rich area of Arizona. The Company is led by an executive management team and Board which have a long-standing track record of successful project delivery in North America complemented by global capital markets expertise.

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Forward-Looking Statements

Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of ASCU to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Factors that could affect the outcome include, among others: future prices and the supply of metals; the results of drilling; inability to raise the money necessary to incur the expenditures required to retain and advance the properties; environmental liabilities (known and unknown); general business, economic, competitive, political and social uncertainties; results of exploration programs; accidents, labour disputes and other risks of the mining industry; political instability, terrorism, insurrection or war; or delays in obtaining governmental approvals, projected cash operating costs, failure to obtain regulatory or shareholder approvals.

Although ASCU has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors that cause actions, events or results to differ from those anticipated, estimated or intended. Forward-looking statements contained herein are made as of the date of this news release and ASCU disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise, except as required by applicable securities laws.