

APPENDIX A: Golden Star Announces Continued Positive Drilling Results at its Wassa Deposit

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All Wassa Surface drilling results from the underground Inferred to Indicated conversion drilling, Inferred expansion and step out drilling – Post Q2 2019 disclosure

HOLE ID	Azimuth (°)	Dip (°)	From (m)	To (m)	Drilled Width (m)	~True Width (m)	Grade Au (g/t)	Drilling Objective	Target
BSDD19-295D2	75.0	-76.4	146.0	153.0	7.0	3.4	1.1	Inf Conversion	B Shoot
BSDD19-295D2	82.2	-74.4	316.5	345.5	29.0	14.8	6.8	Inf Conversion	B Shoot
BSDD19-385D5	93.4	-47.0	225.4	233.8	8.4	6.0	2.4	Inf Conversion	B Shoot
BSDD19-385D5	93.2	-45.6	254.0	264.0	10.0	7.4	2.2	Inf Conversion	B Shoot
BSDD19-385D5	90.5	-45.5	323.1	332.0	8.9	6.6	2.6	Inf Conversion	B Shoot
BSDD19-385D5	87.0	-45.1	337.0	340.0	3.0	2.2	4.3	Inf Conversion	B Shoot
BSDD19-385D5	89.3	-45.4	373.8	376.8	3.0	2.2	2.4	Inf Conversion	B Shoot
BSDD19-385D6	84.5	-63.8	333.7	342.7	9.0	5.3	3.1	Inf Conversion	B Shoot
BSDD19-385D6	76.8	-68.5	468.8	473.8	5.0	2.6	1.9	Inf Conversion	B Shoot
BSDD19-385D6	75.9	-68.4	482.5	486.6	4.1	2.1	4.0	Inf Conversion	B Shoot
BSDD19-385D6	72.1	-68.2	556.0	558.0	2.0	1.1	7.1	Inf Conversion	B Shoot
BSDD19-385D6	70.5	-67.9	586.6	598.8	12.2	6.5	2.7	Inf Conversion	B Shoot
BSDD19-385D6	71.9	-67.1	620.7	626.5	5.8	3.2	4.3	Inf Conversion	B Shoot
BSDD19-385D6	70.0	67.4	639.4	647.3	7.9	1.7	2.6	Inf Conversion	B Shoot
BSDD19-388D4	69.9	-81.8	661.5	670.2	8.7	6.7	3.9	Inf Expansion	B Shoot
BSDD19-388D4	67.0	-81.7	683.4	693.3	9.9	7.6	5.5	Inf Expansion	B Shoot
BSDD19-388D4	53.7	-78.8	890.4	898.0	7.6	6.1	2.2	Inf Expansion	B Shoot
BSDD19-394D3	87.8	-81.7	582.0	587.5	5.5	3.0	2.0	Inf Expansion	B Shoot
BSDD19-394D3	84.2	-80.6	621.0	625.5	4.5	2.5	1.8	Inf Expansion	B Shoot
BSDD19-394D3	84.2	-80.6	632.0	655.5	23.5	13.3	3.5	Inf Expansion	B Shoot
BSDD19-394D3	80.5	-80.9	662.5	673.5	11.0	6.2	1.6	Inf Expansion	B Shoot
BSDD19-394D3	78.8	-80.6	680.5	687.5	7.0	4.0	1.9	Inf Expansion	B Shoot
BSDD19-394D3	78.8	-80.6	1055.1	1064.5	9.4	5.3	2.2	Inf Expansion	B Shoot
BSDD19-394D3	78.8	-80.9	1111.5	1116.5	5.0	1.3	2.3	Inf Expansion	WUG deeps
BSDD19-394D3	78.8	-80.6	1111.5	1116.5	5.0	1.3	2.3	Inf Expansion	B Shoot
BSDD19-394D4	91.9	-52.7	189.0	196.0	7.0	4.7	4.4	Inf Conversion	B Shoot
BSDD19-394D4	93.1	-51.4	206.0	213.0	7.0	4.8	6.8	Inf Conversion	B Shoot
BSDD19-394D4	93.1	-51.4	217.0	223.0	6.0	4.1	3.5	Inf Conversion	B Shoot
BSDD19-394D4	93.2	-48.6	280.0	300.0	20.0	14.5	2.7	Inf Conversion	B Shoot
BSDD19-394D4	87.1	-53.9	351.0	364.5	13.5	8.9	9.7	Inf Conversion	B Shoot
BSDD19-394D4	86.6	-53.9	373.5	384.0	10.5	6.9	2.7	Inf Conversion	B Shoot
BSDD19-394D4	83.2	-53.7	446.0	449.0	3.0	2.0	23.3	Inf Conversion	B Shoot
BSDD19-394D4	83.2	-53.7	455.0	463.0	8.0	5.3	2.6	Inf Conversion	B Shoot
BSDD19-394D4	83.2	-53.7	469.0	475.0	6.0	4.0	1.8	Inf Conversion	B Shoot
BSDD19-394D4	80.6	-54.4	487.9	492.0	4.1	2.7	11.1	Inf Conversion	B Shoot
BSDD19-394D5	84.3	-52.1	115.6	119.0	3.4	2.6	2.8	Inf Conversion	B Shoot
BSDD19-394D5	86.6	-47.1	185.0	199.0	14.0	11.5	7.5	Inf Conversion	B Shoot
BSDD19-394D5	86.5	-47.6	260.0	280.0	20.0	16.3	3.4	Inf Conversion	B Shoot
BSDD19-394D5	85.4	-46.6	329.0	336.0	7.0	5.8	2.3	Inf Conversion	B Shoot
BSDD19-394D5	85.4	-46.6	346.0	351.0	5.0	4.1	1.6	Inf Conversion	B Shoot
BSDD19-394D5	84.1	-47.2	361.0	364.0	3.0	2.5	3.5	Inf Conversion	B Shoot
BSDD19-397D1	85.6	-64.1	339.0	347.8	8.8	7.5	5.7	Inf Conversion	B Shoot
BSDD19-397D1	82.1	-64.4	358.6	362.8	4.2	3.6	17.8	Inf Conversion	B Shoot
BSDD19-397M	76.6	-72.9	666.0	683.0	17.0	13.2	6.8	Inf Conversion	B Shoot
BSDD19-397M	74.5	-79.4	715.5	728.0	12.5	8.8	1.9	Inf Conversion	B Shoot
BSDD19-397M	83.1	-80.2	753.4	760.4	7.0	4.8	2.9	Inf Conversion	B Shoot

BSDD19-397M	81.9	-80.3	772.1	781.8	9.7	6.7	2.0	Inf Conversion	B Shoot
BSDD19-397M	80.3	-80.2	785.4	809.2	23.8	16.5	3.1	Inf Conversion	B Shoot
BSDD19-397M	76.3	-80.1	814.9	826.2	11.3	7.8	2.6	Inf Conversion	B Shoot
BSDD19-397M	71.4	-79.7	868.7	875.4	6.7	4.7	1.9	Inf Conversion	B Shoot
BSDD19-397M	69.0	-79.8	963.0	980.6	17.6	6.1	9.3	Inf Conversion	B Shoot
BSDD19-399D1	79.7	-55.3	480.5	491.0	10.5	6.8	6.2	Inf Expansion	WUG deeps
BSDD19-399D1	77.3	-53.3	574.4	581.0	6.6	4.5	3.3	Inf Expansion	WUG deeps
BSDD19-399D1	77.7	-53.3	585.6	601.8	16.2	11.0	3.5	Inf Expansion	WUG deeps
BSDD19-399D1	75.2	-52.9	660.3	664.7	4.4	3.0	5.7	Inf Expansion	WUG deeps
BSDD19-399D1	74.3	-52.8	690.3	705.0	14.7	10.1	3.6	Inf Expansion	WUG deeps
BSDD19-399D1	72.5	-52.3	714.5	720.0	5.5	3.8	6.7	Inf Expansion	WUG deeps
BSDD19-399D1	70.8	-54.9	852.7	860.8	8.1	5.3	11.7	Inf Expansion	WUG deeps
BSDD19-399D1	70.5	-54.9	888.6	904.0	15.4	10.1	11.5	Inf Expansion	WUG deeps
BSDD19-399D1	70.3	-53.9	922.5	935.5	13.0	8.7	3.5	Inf Expansion	WUG deeps
BSDD19-399D1	70.2	-53.6	953.0	959.0	6.0	4.0	2.4	Inf Expansion	WUG deeps
BSDD19-399D2	67.6	-66.5	501.8	515.8	14.0	9.3	5.4	Inf Expansion	WUG deeps
BSDD19-399D2	67.1	-65.2	668.4	685.0	16.6	11.3	6.3	Inf Expansion	WUG deeps
BSDD19-399D2	66.1	-64.8	705.0	720.8	15.8	10.8	1.9	Inf Expansion	WUG deeps
BSDD19-399D2	98.1	-63.0	887.9	893.0	5.1	3.6	2.2	Inf Expansion	WUG deeps
BSDD19-399D2	65.5	-62.4	900.0	992.0	92.0	65.7	4.8	Inf Expansion	WUG deeps
BSDD19-399M	68.1	-65.5	1123.2	1136.0	12.8	6.5	3.0	Inf Expansion	WUG deeps
BSDD19-399M	68.1	-65.5	1140.0	1151.0	11.0	5.6	2.6	Inf Expansion	WUG deeps
BSDD19-399M	67.7	-61.8	1248.0	1283.4	35.4	19.9	5.2	Inf Expansion	WUG deeps
BSDD19-399M	63.3	-56.6	1450.0	1469.5	19.5	12.4	3.7	Inf Expansion	WUG deeps
BSDD19-399M	63.0	-55.7	1485.5	1504.0	18.5	12.0	5.7	Inf Expansion	WUG deeps
BSDD19-399M	63.5	-52.2	1654.0	1673.0	19.0	13.2	1.2	Inf Expansion	WUG deeps
BSDD19-400D1	268.5	-47.3	302.0	309.0	7.0	5.2	2.2	Step Out	WUG deeps
BSDD19-400D1	269.1	-47.2	316.0	320.0	4.0	3.0	2.0	Step Out	WUG deeps
BSDD19-400D1	269.0	-47.0	323.0	335.0	12.0	8.9	2.8	Step Out	WUG deeps
BSDD19-401D1	84.7	-61.0	125.8	131.5	5.7	3.7	2.4	Inf Conversion	B Shoot
BSDD19-401D1	86.7	-54.8	270.7	276.0	5.3	3.9	2.9	Inf Conversion	B Shoot
BSDD19-401D1	86.2	-53.9	329.0	332.0	3.0	2.2	5.3	Inf Conversion	B Shoot
BSDD19-401D2	84.9	-73.0	46.3	54.7	8.4	4.1	3.4	Inf Conversion	B Shoot
BSDD19-401D2	85.1	-70.7	172.8	191.8	19.0	9.9	5.7	Inf Conversion	B Shoot
BSDD19-401D2	82.4	-70.6	350.0	357.2	7.2	3.8	2.1	Inf Conversion	B Shoot
BSDD19-401D2	82.0	-74.0	369.0	390.6	21.6	10.1	10.6	Inf Conversion	B Shoot
BSDD19-401M	88.3	-64.0	402.0	412.0	10.0	6.2	5.2	Inf Conversion	B Shoot
BSDD19-401M	85.0	-60.7	895.0	902.0	7.0	4.6	2.8	Inf Conversion	B Shoot
BSDD19-401M	85.4	-60.6	907.4	916.0	8.6	5.7	1.3	Inf Conversion	B Shoot
BSDD19-401M	82.6	-61.5	1113.0	1122.5	9.5	6.2	1.6	Inf Conversion	B Shoot
BSDD19-401M	80.6	-59.5	1212.0	1215.0	3.0	2.0	3.5	Inf Conversion	B Shoot
BSDD19-402D1	88.4	-50.5	462.0	467.5	5.5	5.1	2.7	Inf Conversion	B Shoot
BSDD19-402D1	88.4	-50.5	470.5	473.5	3.0	2.8	4.1	Inf Conversion	B Shoot
BSDD19-402D1	89.7	-50.4	597.5	607.5	10.0	9.3	1.6	Inf Conversion	B Shoot
BSDD19-402D1	88.0	-50.2	645.0	648.0	3.0	2.8	4.9	Inf Conversion	B Shoot
BSDD19-402D1	87.5	-48.0	790.6	794.6	4.0	3.8	2.4	Inf Conversion	B Shoot
BSDD19-402D2	89.8	-58.4	105.0	115.0	10.0	6.4	2.9	Inf Conversion	B Shoot
BSDD19-402D2	86.0	-55.5	418.5	434.0	15.5	10.5	2.8	Inf Conversion	B Shoot
BSDD19-402D2	87.2	-55.4	528.0	532.0	4.0	2.7	7.1	Inf Conversion	B Shoot
BSDD19-402D2	86.5	-55.6	544.0	553.0	9.0	6.1	1.5	Inf Conversion	B Shoot
BSDD19-402M	82.3	-59.7	893.0	898.0	5.0	3.1	2.6	Inf Conversion	B Shoot
BSDD19-402M	83.7	-58.1	936.5	947.6	11.1	7.1	4.7	Inf Conversion	B Shoot
BSDD19-402M	86.9	-52.1	1017.0	1024.0	7.0	5.0	1.7	Inf Conversion	B Shoot
BSDD19-403D1	88.6	-51.1	291.6	295.8	4.2	3.8	5.8	Inf Conversion	B Shoot
BSDD19-403D1	88.2	-51.2	304.8	308.8	4.0	3.6	2.5	Inf Conversion	B Shoot
BSDD19-403D1	85.7	-50.3	405.2	411.5	6.3	5.7	2.5	Inf Conversion	B Shoot

BSDD19-403D1	87.1	-49.8	469.3	476.3	7.0	6.4	1.5	Inf Conversion	B Shoot
BSDD19-403D1	87.4	-49.3	511.8	513.4	1.6	1.5	10.9	Inf Conversion	B Shoot
BSDD19-403M	91.0	-59.3	599.0	602.0	3.0	1.9	40.8	Inf Conversion	B Shoot
BSDD19-403M	88.5	-60.3	787.3	792.0	4.7	2.9	2.2	Inf Conversion	B Shoot
BSDD19-403M	88.5	-60.3	805.3	821.3	16.0	9.8	5.0	Inf Conversion	B Shoot
BSDD19-403M	87.3	-60.4	840.5	847.0	6.5	4.0	1.0	Inf Conversion	B Shoot
BSDD19-403M	86.6	-60.4	890.4	904.4	14.0	8.5	4.8	Inf Conversion	B Shoot
BSDD19-404D1	82.6	-81.6	170.5	176.0	5.5	2.4	2.8	Inf Conversion	B Shoot
BSDD19-404D1	78.7	-81.7	280.0	284.0	4.0	1.8	3.3	Inf Conversion	B Shoot
BSDD19-404D1	74.9	-81.9	319.0	324.0	5.0	2.2	4.4	Inf Conversion	B Shoot
BSDD19-404M	87.9	-71.3	447.9	451.0	3.1	2.1	1.9	Inf Conversion	B Shoot
BSDD19-404M	88.8	-71.2	549.4	553.4	4.0	2.8	2.9	Inf Conversion	B Shoot
BSDD19-404M	88.8	-71.2	573.0	576.0	3.0	2.1	3.0	Inf Conversion	B Shoot
BSDD19-404M	88.9	-71.4	596.0	600.0	4.0	2.8	4.0	Inf Conversion	B Shoot
BSDD19-405D1	91.2	-53.2	117.0	119.0	2.0	1.6	1.8	Inf Definition	B Shoot
BSDD19-405D1	90.6	-50.1	160.2	164.2	4.0	3.3	7.3	Inf Definition	B Shoot
BSDD19-405D1	91.1	-50.2	236.0	241.1	5.1	4.2	2.9	Inf Definition	B Shoot
BSDD19-405D1	87.0	-46.9	331.0	341.3	10.3	8.7	2.4	Inf Definition	B Shoot
BSDD19-405D1	86.4	-46.7	347.3	356.0	8.7	7.4	1.9	Inf Definition	B Shoot
BSDD19-405D1	85.2	-47.1	389.0	400.0	11.0	9.3	5.8	Inf Definition	PAN 4
BSDD19-405D1	86.4	-46.7	417.0	443.2	26.2	22.3	2.1	Inf Definition	PAN 4
BSDD19-405D1	88.6	-46.9	493.0	503.0	10.0	8.5	5.2	Inf Definition	PAN 4
BSDD19-405M	85.4	-63.3	463.0	466.0	3.0	1.8	7.0	Inf Definition	PAN 4
BSDD19-405M	89.0	-62.2	567.0	574.0	7.0	4.3	1.7	Inf Definition	PAN 4
BSDD19-405M	90.2	-62.2	591.0	596.0	5.0	3.1	1.7	Inf Definition	PAN 4
BSDD19-405M	89.8	-62.9	603.0	609.0	6.0	3.6	2.4	Inf Definition	PAN 4
BSDD19-405M	90.8	-63.4	616.0	623.0	7.0	4.2	2.3	Inf Definition	PAN 4
BSDD19-405M	93.1	-59.7	664.0	671.0	7.0	4.5	2.8	Inf Definition	PAN 4
BSDD19-405M	91.1	-59.9	693.0	699.0	6.0	3.9	3.0	Inf Definition	PAN 4
BSDD19-405M	91.1	-59.9	702.0	705.0	3.0	1.9	7.7	Inf Definition	PAN 4
BSDD19-405M	88.2	-60.2	771.0	774.0	3.0	1.9	3.3	Inf Definition	PAN 4
BSDD19-405M	84.8	-61.5	849.0	948.0	99.0	61.6	4.4	Inf Definition	PAN 4
<i>Including</i>	84.8	-61.5	849.0	867.0	18.0	11.2	11.4	Inf Definition	PAN 4
<i>Including</i>	83.8	-61.9	873.0	881.0	8.0	4.9	8.7	Inf Definition	PAN 4
<i>Including</i>	83.2	-61.9	885.0	888.0	3.0	1.9	4.0	Inf Definition	PAN 4
<i>Including</i>	83.2	-61.9	898.0	920.0	22.0	13.6	4.8	Inf Definition	PAN 4
<i>Including</i>	84.1	-61.4	923.0	932.0	9.0	5.6	1.6	Inf Definition	PAN 4
<i>Including</i>	82.4	-60.7	938.0	948.0	10.0	6.3	2.3	Inf Definition	PAN 4
BSDD19-405M	80.1	-56.8	1041.0	1047.0	6.0	4.1	1.7	Inf Definition	PAN 4
BSDD19-406D1	86.4	-45.8	104.0	111.0	7.0	5.7	4.1	Inf Definition	B Shoot
BSDD19-406D1	87.3	-45.6	133.0	155.0	22.0	17.9	6.5	Inf Definition	B Shoot
BSDD19-406D1	85.7	-46.4	205.0	212.0	7.0	5.6	2.3	Inf Definition	B Shoot
BSDD19-406D1	86.8	-44.7	268.0	283.0	15.0	12.3	2.6	Inf Definition	B Shoot
BSDD19-406D1	88.6	-44.8	286.0	292.0	6.0	4.9	1.7	Inf Definition	B Shoot
BSDD19-406M	90.3	-62.0	364.0	372.0	8.0	4.4	1.3	Inf Definition	PAN 4
BSDD19-406M	90.6	-61.8	487.0	491.0	4.0	2.2	1.6	Inf Definition	PAN 4
BSDD19-406M	91.8	-62.3	538.0	544.0	6.0	3.2	1.8	Inf Definition	PAN 4
BSDD19-406M	91.6	-62.0	601.0	616.0	15.0	8.2	3.0	Inf Definition	PAN 4
BSDD19-406M	92.6	-61.8	624.3	628.3	4.0	2.2	3.2	Inf Definition	PAN 4
BSDD19-406M	92.6	-61.8	632.6	640.8	8.2	4.5	1.7	Inf Definition	PAN 4
BSDD19-406M	92.2	-61.7	652.4	656.8	4.4	2.4	2.2	Inf Definition	PAN 4
BSDD19-406M	91.7	-61.4	719.4	723.8	4.4	2.4	2.3	Inf Definition	PAN 4
BSDD19-406M	84.1	-60.6	821.0	853.0	32.0	18.1	3.5	Inf Definition	PAN 4
BSDD19-406M	83.4	-58.2	896.0	907.0	11.0	6.6	5.0	Inf Definition	PAN 4
BSDD19-406M	83.8	-59.8	926.0	938.0	12.0	6.9	5.3	Inf Definition	PAN 4
BSDD19-406M	83.8	-59.8	943.0	948.0	5.0	2.9	4.8	Inf Definition	PAN 4

BSDD19-407D1	86.5	-80.3	204.0	208.0	4.0	1.7	2.8	Inf Definition	B Shoot
BSDD19-407D1	81.3	-80.3	226.0	230.0	4.0	1.7	3.3	Inf Definition	B Shoot
BSDD19-407D1	78.4	-80.7	256.7	261.5	4.8	2.0	2.3	Inf Definition	B Shoot
BSDD19-407M	86.7	-69.0	174.0	179.0	5.0	2.9	2.3	Inf Definition	B Shoot
BSDD19-407M	88.6	-67.2	320.0	326.0	6.0	3.7	1.2	Inf Definition	B Shoot
BSDD19-407M	89.1	-66.4	526.0	536.0	10.0	6.2	6.8	Inf Definition	B Shoot
BSDD19-407M	88.5	-66.0	606.0	610.0	4.0	2.5	2.8	Inf Definition	B Shoot
BSDD19-407M	89.0	-66.2	641.0	648.0	7.0	4.4	1.1	Inf Definition	B Shoot
BSDD19-407M	87.1	-67.4	763.0	780.0	17.0	10.4	3.1	Inf Definition	B Shoot
BSDD19-407M	87.1	-67.4	790.0	800.0	10.0	6.1	2.5	Inf Definition	B Shoot
BSDD19-407M	85.3	-65.6	896.0	904.5	8.5	5.4	3.4	Inf Definition	B Shoot