



10 October 2012

NEWS RELEASE

Exploration Update Côte d'Ivoire and Ghana Significant Intercepts from Multiple Deposits and Prospects

Perseus Mining Limited (ASX/TSX: PRU) is pleased to provide an exploration update from its Edikan Gold Mine (EGM) in Ghana and Tengrela Gold Project (TGP) in Côte d'Ivoire, West Africa.

Tengrela Gold Project (TGP) Highlights

Deeper core drilling results from the Sissingué gold deposit included:

- SD221 - **1.5m at 85.0g/t** Au from 53.2m.
- SD235 - **4.5m at 9.7g/t** from 33.7m and **16.3m at 2.5g/t** Au from 130m.
- SD236 - **47.5m at 1.4g/t** from 37.5m and 8.5m at 2.1g/t Au from 109.5m.
- SD268 - **21m at 3.2g/t** from 249m
- SD276 - **6.5m at 10.2g/t** from 258.6m, 2.5m at 5.2g/t from 284.6m and 4.2m at 2.5g/t Au from 303.7m.
- SD277 - **1.7m @ 55.2g/t** from 210m including **0.5m @ 169.0g/t** Au.
- SD279 - 3.4m at 3.05g/t from 140.6m, **37.7m at 2.1g/t** from 185.4m, 5m at 2.3g/t from 232m and 8m at 2.6g/t Au from 246m
- SRD1090 - **11m at 7.5g/t** from 274m and 9m at 1.3g/t Au from 288m.

Extensional RC drilling results from the Sissingué gold deposit including:

- SRC1136 - **10m at 5.1/t** from 38m including 2m at 17.2g/t Au from 42m.
- SRC1148 - **4m at 81.8g/t** from 2m including 2m at 155g/t Au from 2m.

Exploration drilling at Papara, including **2m at 10.8g/t** from 36m and **2m at 18.7g/t** Au from 44m.

Exploration drilling at Logbog, including **4m at 13.1g/t** from 10m, **2m at 37.8g/t** from surface and 22m at 1.3g/t Au from 22m.

Exploration drilling at Sissingué Rom Pad including **6m at 6.8g/t** Au from 54m.

Edikan Gold Mine (EGM) Highlights

Core drilling results from the Dadieso deposit included:

- DDD011 - 8.0m at 2.9g/t from 103.1m, 4.8m at 4.7g/t from 135.2m, 3.7m at 1.9g/t from 171.5m, 3.6m at 2.1g/t from 204.6m and 6.9m at 1.8g/t Au from 215.6m
- DDD012 - 2.5m at 2.2g/t from 28m, 4.6m at 1.0g/t from 32.9m, 4.6m at 2.2g/t from 91.5m and **18.6m at 1.7g/t** Au from 139.1m.
- DDD014 - **7.5m at 2.9g/t** from 101m, 4m at 1.4g/t from 116m, 1.5m at 3.8g/t from 144.5m and **1.1m at 50.0g/t** Au from 155.5m.
- DDD018 - **32.5m at 3.5g/t** from 39.6m and 11.1m at 1.5g/t Au from 82.7m.
- DDD020 - 9.1m @ 1.8g/t from 2.5m, **18.6m @ 1.8g/t** from 23m and **19.1m @ 2.8g/t** Au from 52.9m

Core drilling results from the Nkonya prospect included:

- NKDD005 - 16.3m @ 1.2g/t Au from 98.7m
- NKDD010 - 12.8m @ 2.9g/t from 9.3m, 8.9m @ 2.5g/t from 33.2m and 4.9m @ 1.2g/t Au from 151.2m

Refer to Tables 1 to 2 for details of the intercepts.

Perseus Managing Director, Mark Calderwood's Comments

"We are very encouraged to be obtaining significant intercepts from a number of prospects. It is also pleasing to be drilling the large Kanadi soil anomaly on the Mbengue license area in Côte d'Ivoire. We currently have four rigs operating in Côte d'Ivoire and three in Ghana, with the likelihood of stepping up exploration in the dry season."

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Tengrela Gold Project (includes Sissingué), Côte d'Ivoire

The Company completed 18,604m of drilling on various prospects at the TGP during the September 2012 Quarter.

The next resource increase for the Sissingué deposit is expected to be completed in January 2013, subject to assay turnaround for the final 2,000m of the current infill drilling program.

A number of significant intercepts from infill drilling of the Sissingué deposit were returned and are listed in [Table 2](#). Additionally, results have been returned for exploration drilling on the Kanakono, Papara, Logbog and Zinguinasso prospects, with significant intercepts listed in [Table 3](#). These prospects will not be included in the next resource upgrade.

Mbengue, Côte d'Ivoire

A 22,000m first pass aircore drilling program has commenced on the 5 km by 2 km Kanadi gold in soil anomaly located 7 kilometers north of Randgold Resources' Tongon mine, with 1,720 meters drilled thus far. Drilling has intercepted quartz veined diorite to granodiorite. Assays are pending.

Edikan Gold Mine, Ghana

The Company completed 5,115 meters of drilling at the Edikan Gold Mine and adjoining licenses during the September 2012 Quarter. Activity has focused on core drilling several prospects to obtain more detailed geological information aimed at improving understanding of the nature of and controls on mineralisation in the different deposit styles in the district.

Hole DDD018 at Dadieso was significant as it intercepted a granitoid intrusive over a 20m interval. The hole returned 32.5m at 3.5g/t from 39.6m and 11.1m at 1.5g/t Au from 82.7m.

Re-logging of diamond drill core and RC cuttings from a number of deposits is continuing as part of a broader review of Edikan geology and mineralisation controls.

Significant recent drill intercepts from Edikan are included in [Table 1](#) below.

Production Update – Edikan Gold Mine, Ghana

The Company's September 2012 Quarterly report incorporating production statistics and costs for the Edikan Gold Mine is planned for release on Tuesday 16 October. Details of a teleconference will be released at the end of this week.

Mark Calderwood
Managing Director

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About Perseus Mining Limited

Perseus Mining Limited (ASX/TSX: PRU) has forged a reputation as one of West Africa’s most successful gold explorers focused on under-explored gold belts in West Africa. In August 2011 Perseus became a producer at its Edikan Gold Mine (previously known as the Central Ashanti Gold Project) in Ghana. Details of the project and mine plan are set out in the technical report entitled “Technical Report – Central Ashanti Gold Project, Ghana” dated May 30, 2011.

Perseus is currently considering the development of its Sissingué Gold Project, part of the Tengrela Gold Project in Côte d’Ivoire, with potential production from the end of 2013. Tengrela has the potential to become a significant contributor to the Company’s goal to develop into a 400,000-ounce per annum gold producer during 2014. Details of the project are set out within “Technical Report – Tengrela Gold Project, Ivory Coast” dated December 22, 2010.

Perseus will continue its strategy of rapidly increasing its resource and reserve base during the ramp-up of the Edikan Gold Mine and development of the Sissingué Gold Project.

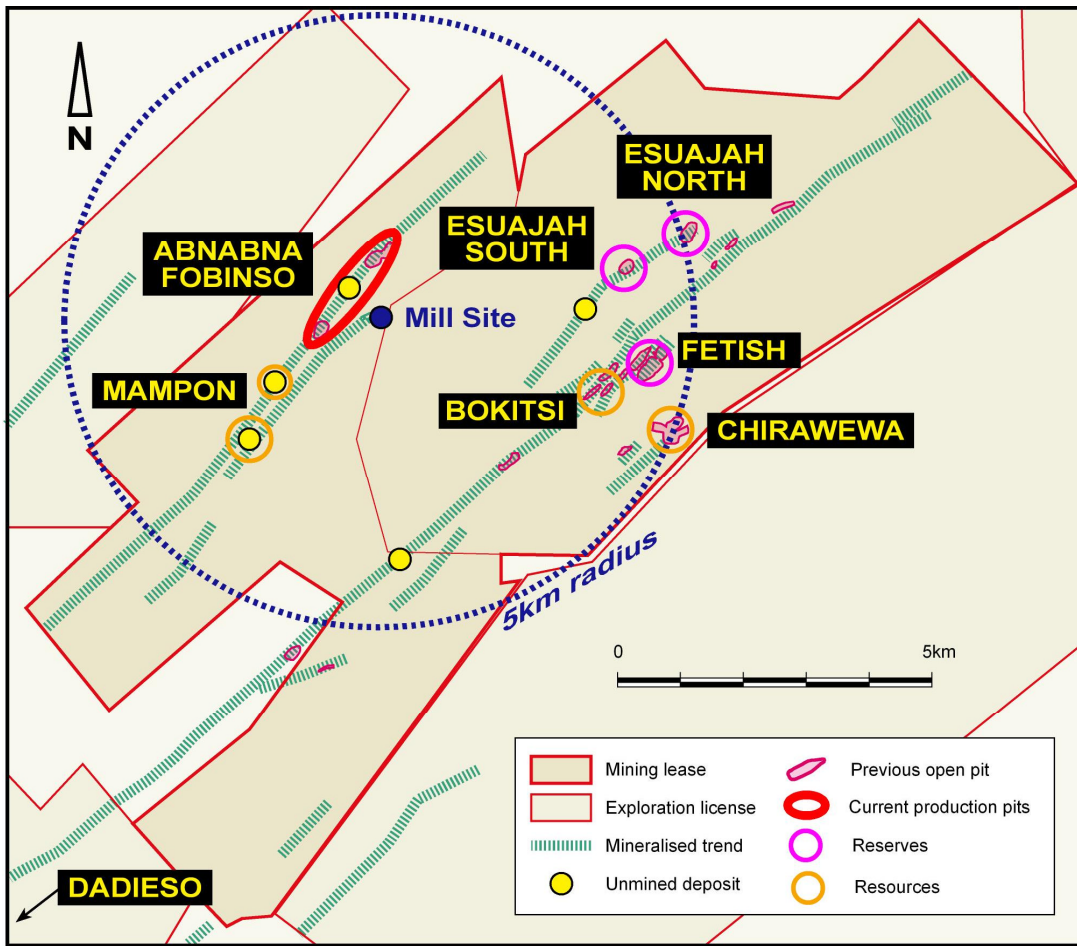


Figure 1: Edikan Gold Mine mining leases

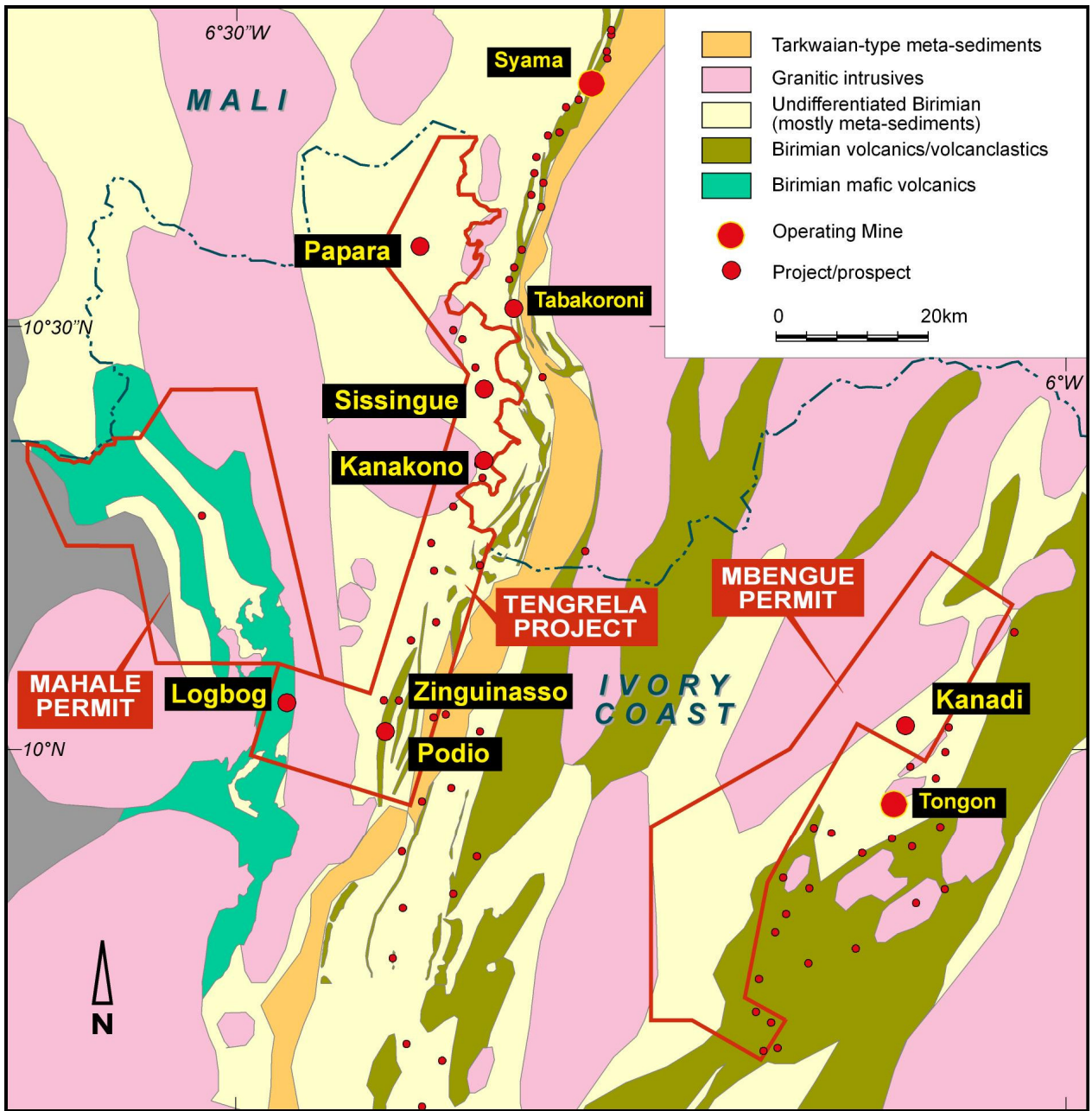


Figure 2: Northern Ivorian Projects

Table 1: EGM, Ghana, Recent Exploration Drilling

Hole	Deposit	East (m)	North (m)	Depth (m)	Azm. (°)	Incl. (°)	From (m)	To (m)	Width (m)	Au g/t	
DDD011	Dadieso	610627	648349	274.46	305	-50	103.1	111.1	8	2.9	
							<i>including</i>	109.6	111.1	1.5	7.6
							135.2	139.95	4.75	4.7	
							171.5	175.2	3.7	1.9	
							204.55	208.1	3.55	2.1	
215.6	222.5	6.9	1.8								
DDD012	Dadieso	610367	648221	237.7	305	-50	28	30.5	2.5	2.2	
							32.9	37.5	4.6	1.0	
							91.5	96.1	4.6	2.2	
							139.1	157.7	18.6	1.7	
DDD013	Dadieso	610365	648196	152.2	130	-50	59.3	63	3.7	2.1	
							99	112	13	1.7	
							<i>including</i>	110.4	112	1.6	7.5
DDD014	Dadieso	610589	648177	171.9	310	-50	101	108.5	7.5	2.9	
							116	120	4	1.4	
							144.5	146	1.5	3.8	
							155.5	156.6	1.1	50.0	
DDD015	Dadieso	610435	648420	130.3	310	-50	46	51.7	5.7	1.3	
DDD016	Dadieso	610637	648216	134	310	-50	57	66.7	9.7	1.0	
							119.9	120.9	1	6.0	
DDD017	Dadieso	610673	648239	145.1	310	-50	25.1	30	4.9	2.3	
							<i>including</i>	27.7	28.8	1.1	5.8
DDD018	Dadieso	610390	648329	125.7	310	-50	39.6	72.1	32.5	3.5	
							<i>including</i>	58.8	66.4	7.6	11.2
							82.7	93.8	11.1	1.5	
DDD019	Dadieso	610666	648294	181.1	310	-50	43.1	48.1	5	2.6	
							53.6	55.1	1.5	6.1	
							<i>including</i>	53.6	54.4	0.8	11.0
							167.03	170.9	3.87	5.5	
							<i>including</i>	167.94	169	1.06	13.5
DDD020	Dadieso	610349	648309	160.3	310	-50	2.5	11.6	9.1	1.8	
							<i>including</i>	7.1	8.1	1	12.3
							23	41.6	18.6	1.8	
							52.9	72	19.1	2.8	
							<i>including</i>	64.5	66.9	2.4	11.1
DDD021	Dadieso	610598	648345	163.7	310	-50	114.7	119	4.3	1.8	
NKDD005	Nkonya	619866	656215	154.7	271.3	-49.8	98.7	115	16.3	1.2	
NKDD007	Nkonya	619669	656316	144.1	307	-55	114.9	119.3	4.4	3.5	
							<i>including</i>	115.6	116.8	1.2	10.2
NKDD008	Nkonya	619741	656134	133	269.7	-49.1	25.6	32.8	7.2	1.5	
NKDD010	Nkonya	620573	657135	156.1	307	-50	9.3	12.1	2.8	2.9	
							33.2	42.1	8.9	2.5	
							<i>including</i>	36.3	39.1	2.8	5.5
							151.2	156.1	4.9	1.2	

Notes

- 1) All holes were core drilled through the mineralised zone.
- 2) Core holes sampled at 1m intervals or less to geological contacts.
- 3) Oxide samples or low sulphur fresh rock samples analysed using 50g fire assays by independent laboratory, Intertek Minerals Limited in Ghana.

- 4) High sulphide content samples analysed using 25gram fire assays by Intertek Minerals Limited in Ghana.
- 5) Only holes with combined intercepts of greater than 40 gram metres are included for Dadieso and 10gmm for Nkonya.
- 6) The type of analytical or testing procedures utilized and sample size and the quality assurance program and quality control measures are consistent with those described in the technical report entitled “Technical Report – Central Ashanti Gold Project, Ghana” dated May 30, 2011.
- 7) The true width of intercepts from recent drilling at Dadieso ranges from 65-75% of the intercept width.
- 10) The true width of intercepts from recent drilling at Nkonya are currently unknown.

Table 2: TGP, Côte d’Ivoire, Recent Infill and Extensional Drilling

Hole	Deposit	East (m)	North (m)	Depth (m)	Azm. (°)	Incl. (°)	From (m)	To (m)	Width (m)	Au g/t
SD221	Sissingué	806,690	1,154,540	222.7	270	-60	53.2	54.7	1.5	85.0
SD233	Sissingué	806,800	1,154,140	174.7	270	-55	99	110.7	11.7	2.8
						<i>including</i>	100.6	101	0.4	50.0
SD234	Sissingué	806,510	1,154,420	176	90	-50	47.7	54.8	7.1	3.4
							122	140	18	2.4
							161.5	174	12.5	1.0
SD235	Sissingué	806,820	1,154,120	168.7	270	-63	33.7	38.2	4.5	9.7
						<i>including</i>	36.7	38.2	1.5	23.7
							130	146.28	16.28	2.5
SD236	Sissingué	806,545	1,154,320	172.5	90	-50	37.5	85	47.5	1.4
						<i>including</i>	82	83	1	11.2
							109.5	118	8.5	2.1
SD241	Sissingué	806,460	1,154,320	192.7	90	-50	162	169	7	2.6
							174	181	7	4.0
						<i>including</i>	177	178	1	12.7
SD243	Sissingué	806,520	1,154,400	205.5	90	-50	28.5	42.56	14.06	3.3
						<i>including</i>	39	40.5	1.5	23.3
SD252	Sissingue	806,707	1,154,600	203.65	270	-55	77	81.5	4.5	3.7
						<i>including</i>	80	81	1	12.8
							100.0	111.4	11.35	1.0
							180.0	203.65	23.65	1.4
SD258	Sissingue	806,580	1,154,400	114	270	-55	43.1	52.5	9.4	1.3
							73.2	79.75	6.55	2.4
						<i>including</i>	75	76	1	12.3
SD259	Sissingue	806,405	1,154,180	366	90	-50	67.5	69.2	1.7	10.0
							200	214.2	14.2	1.7
							256	263	7	2.7
						<i>including</i>	256	257	1	10.4
							272.6	278	5.4	1.9
SD267	Sissingue	806,440	1,154,220	291	90	-50	167	171	4	6.9
						<i>including</i>	167	168	1	17.8
							180	185.66	5.66	2.0
							244	250	6	3.7
SD268	Sissingue	806,450	1,154,300	279.7	90	-50	249	270	21	3.2
						<i>including.</i>	255.56	256	0.44	21.4
						<i>and</i>	259	260	1	12.1
						<i>and</i>	268.5	269.25	0.75	20.3
SD275	Sissingue	806,370	1,154,240	393	90	-50	66	73.5	7.5	2.1
							277	286.75	9.75	5.3
						<i>including</i>	279	280	1	37.6
SD276	Sissingue	806,345	1,154,160	384.4	90	-50	258.6	265.1	6.5	10.2
						<i>including</i>	258.6	259.75	1.15	10.8
						<i>and</i>	264	265.1	1.1	40.0
							284.6	287.1	2.5	5.2
							303.7	307.9	4.2	2.5
SD277	Sissingue	806,430	1,154,420	324	90	-50	189.82	192.83	3.01	5.8
							202	207	5	1.7
							210	211.7	1.7	55.2
						<i>including</i>	211.2	211.7	0.5	169.0

Table 2: TGP, Côte d'Ivoire, Recent Infill and Extensional Drilling (cont.)

Hole	Deposit	East (m)	North (m)	Depth (m)	Azm. (°)	Incl. (°)	From (m)	To (m)	Width (m)	Au g/t
SD278	Sissingue	806,465	1,154,320	263.7	90	-50 <i>including</i>	210 235.1	236 236	26 0.9	1.6 14.0
SD279	Sissingue	806,490	1,154,260	321	90	-50 <i>including</i>	7.5 140.63 185.38 193 232 246	9 144 223.1 194 237 254	1.5 3.37 37.72 1 5 8	46.6 3.0 2.1 23.2 2.3 2.6
SRC1136	Sissingue	806,819	1,154,420	80	270	-55 <i>including</i>	38 42	48 44	10 2	5.1 17.2
SRC1137	Sissingue	806,808	1,154,458	80	270	-55 <i>including</i>	4 14 54	18 16 66	14 2 12	2.1 5.7 1.6
SRC1148	Sissingué	806,780	1,154,740	80	270	-55 <i>including</i>	2 2	6 4	4 2	81.8 155.0
SRD1090	Sissingué	806,390	1,154,400	368	90	-50 <i>including</i>	274 274.8 288	285 278 297	11 3.2 9	7.5 13.3 1.3

Notes

- 1) All holes are core holes.
- 2) The type of analytical or testing utilized and sample size and the quality assurance program and quality control measures are consistent with those described in the technical report entitled "Technical Report – Tengrela Gold Project, Cote d'Ivoire" dated December 22, 2010.
- 3) Drill samples were assayed by 50g fire assay by ALS Mali SARL (a division of ALS Minerals) in Bamako, Mali.
- 4) Only exploration holes with combined intercepts of greater than 40 grams metres are included.
- 5) True widths of intercepts from Sissingué range from 60% to 90% of the intercept width.

Table 3: TGP, Côte d'Ivoire, Recent Exploration Drilling

Hole	Deposit	East (m)	North (m)	Depth (m)	Azm. (°)	Incl. (°)	From (m)	To (m)	Width (m)	Au g/t
KRC109	Kanakono	806,310	1,144,340	90	90	-55	40 46	42 48	2 2	7.2 2.3
LLC119	Logbog	780,900	1,111,040	90	90	-55	10	14	4	13.1
LLC130	Logbog	780,830	1,110,800	90	90	-55 <i>including</i>	22 22	44 24	22 2	1.3 5.5
LLC134	Logbog	780,770	1,110,720	90	90	-55 <i>including</i>	64 64	70 66	6 2	2.4 6.4
LLC143	Logbog	781025	1,111,200	90	90	-55	34	40	6	5.2
LLC145	Logbog	780,970	1,111,360	51	90	-55	0	2	2	37.8
PRC110	Papara	799,180	1,174,800	80	90	-50	36	38	2	10.8
PRC138	Papara	799,460	1,172,800	80	90	-50	44	46	2	18.7
PRC139	Papara	799,420	1,172,800	80	90	-50	16	20	4	3.5
PRC142	Papara	796,530	1,173,200	80	90	-50	2	4	2	9.8
ZRC042	Zinguinasso	795,580	1,113,440	84	90	-55	42	54	12	0.9
ZRC047	Zinguinasso	795,685	1,113,600	80	90	-55	52	60	8	1.4

Notes

- 1) All holes are RC holes.
- 2) The type of analytical or testing utilized and sample size and the quality assurance program and quality control measures are consistent with those described in the technical report entitled "Technical Report – Tengrela Gold Project, Cote d'Ivoire" dated December 22, 2010.
- 3) Drill samples were assayed by 50g fire assay by ALS Mali SARL (a division of ALS Minerals) in Bamako, Mali.
- 4) Only exploration holes with combined intercepts of greater than 10 grams metres are included.
- 5) True widths of intercepts from the exploration holes are currently unknown.

The information in this report that relates to exploration results is based on information compiled by Mr Mark Calderwood, who is a Chartered Professional Member of The Australasian Institute of Mining and Metallurgy. Mr Calderwood is a Director and full-time employee of the Company. Mr Calderwood has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking, to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'") and to qualify as a "Qualified Person" under National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101"). Mr Calderwood consents to the inclusion in this report of the matters based on his information in the form and context in which it appears. For a description of Perseus's data verification process, quality assurance and quality control measures, the effective date of the mineral resource and mineral reserve estimates contained herein, details of the key assumptions, parameters and methods used to estimate the mineral resources and reserves set out in this report and the extent to which the estimate of mineral resources or mineral reserves set out herein may be materially affected by any known environmental, permitting, legal, title, taxation, socio-political, marketing or other relevant issues, readers are directed to the technical report entitled "Technical Report – Central Ashanti Gold Project, Ghana" dated May 30, 2011 and the technical report entitled "Technical Report – Tengrela Gold Project, Ivory Coast" dated December 22, 2010 in respect of the Edikan Gold Mine (formerly the Central Ashanti Gold Project) and the Tengrela Gold Project, respectively.

Caution Regarding Forward Looking Information: *This report contains forward-looking information which is based on the assumptions, estimates, analysis and opinions of management made in light of its experience and its perception of trends, current conditions and expected developments, as well as other factors that management of the Company believes to be relevant and reasonable in the circumstances at the date that such statements are made, but which may prove to be incorrect. Assumptions have been made by the Company regarding, among other things: the price of gold, continuing commercial production at the Edikan Gold Mine without any major disruption, development of a mine at Tengrela, the receipt of required governmental approvals, the accuracy of capital and operating cost estimates, the ability of the Company to operate in a safe, efficient and effective manner and the ability of the Company to obtain financing as and when required and on reasonable terms. Readers are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used by the Company. Although management believes that the assumptions made by the Company and the expectations represented by such information are reasonable, there can be no assurance that the forward-looking information will prove to be accurate.*

Forward-looking information involves known and unknown risks, uncertainties, and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any anticipated future results, performance or achievements expressed or implied by such forward-looking information. Such factors include, among others, the actual market price of gold, the actual results of current exploration, the actual results of future exploration, changes in project parameters as plans continue to be evaluated, as well as those factors disclosed in the Company's publicly filed documents. The Company believes that the assumptions and expectations reflected in the forward-looking information are reasonable. Assumptions have been made regarding, among other things, the Company's ability to carry on its exploration and development activities, the timely receipt of required approvals, the price of gold, the ability of the Company to operate in a safe, efficient and effective manner and the ability of the Company to obtain financing as and when required and on reasonable terms. Readers should not place undue reliance on forward-looking information. Perseus does not undertake to update any forward-looking information, except in accordance with applicable securities laws.