



LITHO: CENIEH's lithotheque

Presentation:

LITHO is the CENIEH's lithotheque. Until the moment it has 290 references and we are still adding new ones to this collection. We offer below a list of the samples ordered by the main rock types. Many of them have available thin sections (marked with an asterisk *) and geochemical analytics as XRF and XRD about their composition (marked with a hash sign #)

Sample list:

Andesite

- Litho. Dmanisi.0230*. (Mashavera river banks, Patara Dmanisi, Georgia). Secondary deposit. Blank type: cobble.

Aplite

- Litho.BoisdeRiquet.0011*. (Bois de Riquet, Lézignan-la-Cèbe, Hérault, Francia). Secondary deposit. Blank type: cobble.

Sandstone

- Litho. Aranbaltza.0032*#. (Aranbaltza, Barrika, Bizkaia, Spain). Undefined deposit. Blank type: block.
- Litho. Arlanzón.0152*. (Arlanzón, Burgos, Spain). Secondary deposit. Blank type: cobble.
- Litho. Urola.0151*. (Isuskitza, Zumarraga, Gipuzkoa Secondary deposit. Blank type: cobble.
- Litho. Tighennif. 0261. (Oulad Brahin, Tighennif, Masacara, Algeria). Conglomerate. Beige sandstone.



Basalt

- Litho. BoisdeRiquet. 0012*#. (Bois de Riquet, Lézignan-la-Cèbe, Hérault, Francia)
Primary deposit. Blank type: cobble.
- Litho. BoisdeRiquet. 0013*#. (Bois de Riquet, Lézignan-la-Cèbe, Hérault, Francia)
Primary deposit. Blank type: cobble.
- Litho. BoisdeRiquet. 0014*#. (Bois de Riquet, Lézignan-la-Cèbe, Hérault, Francia)
Primary deposit. Blank type: block.
- Litho. BoisdeRiquet. 0015*#. (Bois de Riquet, Lézignan-la-Cèbe, Hérault, Francia)
Primary deposit. Blank type: block.
- Litho. BoisdeRiquet. 0016*#. (Bois de Riquet, Lézignan-la-Cèbe, Hérault, Francia)
Primary deposit. Blank type: block.
- Litho. BoisdeRiquet. 0017*#. (Bois de Riquet, Lézignan-la-Cèbe, Hérault, Francia)
Primary deposit. Blank type: cobble.
- Litho. Deba. 0025*#. (Deba river, Elgoibar, Gipuzkoa, Spain). Secondary deposit.
Blank type: cobble.
- Litho. Olduvai. 0027*#. (Olduvai gorge, Ngorongoro, Tanzania). Undefined
deposit.
- Litho. Berrengoerrotakoerreka. 0041*. (Madalen Erreka, Errigoiti, Bizkaia,
Spain). Undefined deposit. Blank type: cobble.
- Litho. Berrengoerrotakoerreka. 0042*. (Madalen Erreka, Errigoiti, Bizkaia,
Spain). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0046*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia).
Undefined deposit. Blank type: cobble.
- Litho. Gona. 0052*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia).
Undefined deposit. Blank type: cobble.
- Litho. Gona. 0056*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia).
Undefined deposit. Blank type: cobble.
- Litho. Gona. 0057*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia).
Undefined deposit. Blank type: cobble.
- Litho. Gona. 0087*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia).
Undefined deposit. Blank type: cobble.
- Litho. Gona. 0090*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia).
Undefined deposit. Blank type: cobble.



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- Litho. Olduvai. 0094*. (Olduvai gorge, Ngorongoro, Tanzania). Undefined deposit. Blank type: cobble.
- Litho. Olduvai. 0096*. (Olduvai gorge, Ngorongoro, Tanzania). Undefined deposit. Blank type: flake.
- Litho. Urola. 0143.*#. (Leturriondo, Zumarraga, Gipuzkoa, Spain). Undefined deposit. Blank type: flake.
- Litho. Pagoeta. 0187*. (Pagoeta, Parque Natural Pagoeta, Gipuzkoa, Spain). Undefined deposit. Blank type: cobble.
- Litho. Dmanisi. 0236*. (Mashavera river banks, Patara Dmanisi, Georgia). Secondary deposit. Blank type: cobble.
- Litho. Gona. 0077*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. GargantaOlduvai. 0033*. (Olduvai Gorge, Ngorongoro, Tanzania). Undefined deposit. Blank type: cobble.
- Litho. Olduvai. 0095*. (Olduvai Gorge, Ngorongoro, Tanzania). Secondary deposit. Blank type: cobble.
- Litho.GargantaOlduvai.0034*. (Olduvai Gorge, Ngorongoro, Tanzania). Undefined deposit. Blank type: cobble.

Limestone

- Litho. Berrengoerrotakoerreka.0043*. (Madalen Erreka, Errigoiti, Bizkaia, Spain). Secondary deposit. Blank type: cobble.
- Litho. CuestaBajada. 0205*. (Cuesta de la Bajada, Teruel, Spain). Undefined deposit. Blank type: cobble.
- Litho. CuestaBajada. 0206*. (Cuesta de la Bajada, Teruel, Spain). Undefined deposit. Blank type: cobble.
- Litho. CuestaBajada. 0207*. (Cuesta de la Bajada, Teruel, Spain). Undefined deposit. Blank type: cobble.
- Litho. CuestaBajada. 0208*. (Cuesta de la Bajada, Teruel, Spain). Secondary deposit. Blank type: cobble.
- Litho. Dmanisi. 0238*. (Mashavera river banks, Patara Dmanisi, Georgia). Secondary deposit. Blank type: cobble.
- Litho. PantanoEbro. 0120*. (Orzales, Barrio Villasuso, Las Rozas de Valdearroyo, Cantabria, Spain). Undefined deposit. Blank type: block.



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- Litho. CuestaBajada. 0195*. (Cuesta de la Bajada, Teruel, Spain). Secondary deposit. Blank type: cobble.
- Litho. MontePicota. 0112*#. (Monte de Picota, Boo de Piélagos, Piélagos, Cantabria, Spain). Primary deposit. Cabo de Lata Formation (Maastrichtian, Upper Cretaceous, Mesozoic). Blank type: block.
- Litho. Areatza. 0189*. (Areatza, Bizkaia, Spain). Secondary deposit. Blank type: cobble.
- Litho. TavernesdelaValldigna. 0257. (Tavernes de Valldigna, Valencia, Spain). Primary deposit. Oxfordian, Upper Jurassic, Msozoic. Blank type: block.
- Litho. Atapuerca. 0279. (Atapuerca, Burgos, Spain). Cretaceous. Blank type: nodule.
- Litho. IbeasdeJuarros. 0281. (Ibeas de Juarros, Burgos, Spain). Primary deposit. Upper Cretaceous. Blank type: nodule.
- Litho. SidiAbdeldjebbar. 0284. (SidiAbdeldjebbar, Mascara, Argelia). Conglomerate.
- Litho. AinHanech. 0289. (Ain Hanech, Guelta Zerga, Setif, Argelia). Conglomerate.
- Litho. AinBoucherit. 0290. (Ain Boucherit, Guelta Zerga, Setif, Argelia). Conglomerate.

Hornfels

- Litho. Laukon. 0009.#. (Laukon, Elgoibar, Gipuzkoa, Spain). Primary deposit. Upper Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block.

Conglomerate

- Litho. Gona. 0264. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0265. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0266. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0267. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0268. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0269. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0270. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0271. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0272. (Eloha, Afar, Gona, Ethiopia). Conglomerate.



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- Litho. Gona. 0273. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0274. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0275. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0276. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. Gona. 0277. (Eloha, Afar, Gona, Ethiopia). Conglomerate.
- Litho. AinHanech. 0287. (Ain Hanech, Guelta Zerga, Setif, Algeria). Conglomerate.
- Litho. OuladBrahim. 0288. (Oulad Brahim, Tighennif, Masacara, Algeria). Conglomerate.
- Litho. AinBoucherit. 0291. (Ain Boucherit, Guelta Zerga, Setif, Algeria). Conglomerate.

Quartzite

- Litho. PeñaMiel.0026*. (Peña Miel, Nieva de Cameros, La Rioja, Spain). Secondary deposit. Blank type: cobble.
- Litho. Hornos. 0031*. (Hornos de la Peña, Tarriba, San Felices de Buelna, Cantabria, Spain). Undefined deposit. Blank type: flake.
- Litho. Miño. 0039*. (Ambrona, Miño de Medinaceli, Soria, Spain). Secondary deposit. Blank type: flake (obtained from cobble).
- Litho. Gorliz. 0165*. (Gorliz, Monte Ermua, Bizkaia, Spain). Undefined deposit. Blank type: cobble.
- Litho. Utrillas. 0175*. (Utrillas, Arlanzón, Burgos, Spain). Secondary deposit. Formación Utrillas (Cretácico). Blank type: flake (obtained from cobble).
- Litho. Utrillas. 0176*. (Utrillas, Arlanzón, Burgos, Spain). Secondary deposit. Formación Utrillas (Cretácico). Blank type: flake (obtained from cobble).
- Litho. Arlanzon. 0177*. (Arlanzón, Burgos, Spain). Secondary deposit. Blank type: flake (obtained from cobble).
- Litho. Arlanzon. 0178*. (Arlanzón, Burgos, Spain). Secondary deposit. Blank type: flake (obtained from cobble).
- Litho. Arlanzon. 0179*. (Arlanzón, Burgos, Spain). Secondary deposit. Blank type: flake (obtained from cobble).
- Litho. Arlanzon. 0180*. (Arlanzón, Burgos, Spain). Secondary deposit. Blank type: flake (obtained from cobble).
- Litho. Arlanzon. 0181*. (Arlanzón, Burgos, Spain). Secondary deposit. Blank type: flake (obtained from cobble).



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- Litho. CuestaBajada. 0196*. (Cuesta de la Bajada, Teruel, Spain). Secondary deposit. Blank type: cobble.
- Litho. CuestaBajada. 0197*. (Cuesta de la Bajada, Teruel, Spain). Secondary deposit. Blank type: cobble.
- Litho. CuestaBajada. 0198*. (Cuesta de la Bajada, Teruel, Spain). Secondary deposit. Blank type: cobble.
- Litho. CuestaBajada. 0199*. (Cuesta de la Bajada, Teruel, Spain). Secondary deposit. Blank type: cobble.
- Litho. CuestaBajada. 0200*. (Cuesta de la Bajada, Teruel, Spain). Secondary deposit. Blank type: cobble.
- Litho. CuestaBajada. 0201*. (Cuesta de la Bajada, Teruel, Spain). Secondary deposit. Blank type: cobble.
- Litho. CuestaBajada. 0202*. (Cuesta de la Bajada, Teruel, Spain). Secondary deposit. Blank type: cobble.
- Litho.Miño.0216*. (Ambrona, Miño de Medinaceli, Soria, Spain). Undefined deposit. Blank type: cobble (archeological sample).
- Litho.Miño.0217*. (Ambrona, Miño de Medinaceli, Soria, Spain). Undefined deposit. Blank type: cobble (archeological sample).
- Litho.Miño.0218*. (Ambrona, Miño de Medinaceli, Soria, Spain). Undefined deposit. Blank type: block (tabular).
- Litho.Miño.0219*. (Ambrona, Miño de Medinaceli, Soria, Spain). Undefined deposit. Blank type: cobble (archeological sample).
- Litho.Miño.0220*. (Ambrona, Miño de Medinaceli, Soria, Spain). Undefined deposit. Blank type: cobble (archeological sample).
- Litho.Miño.0221*. (Ambrona, Miño de Medinaceli, Soria, Spain). Undefined deposit. Blank type: flake (archeological sample).
- Litho. Olmos de Atapuerca. 0228*. (Olmos de Atapuerca, Atapuerca, Burgos, Spain). Primary deposit. Utrillas Formation (Albian Stage, Lower Cretaceous, Mesozoic). Blank type: cobble.
- Litho. OlmosdeAtapuerca. 0242*. (Olmos de Atapuerca, Atapuerca, Burgos, Spain). Primary deposit. Albian Stage, Lower Cretaceous, Mesozoic. Blank type: cobble.
- Litho. Arlanzón. 0243*. (Arlanzón, Arlanzón, Burgos, Spain). Secondary deposit. Blank type: cobble.
- Litho. OlmosdeAtapuerca. 0245. (Olmos de Atapuerca, Atapuerca, Burgos, Spain). Primary deposit. Utrillas Formation (Albian Stage, Lower Cretaceous, Mesozoic). Blank type: cobble.



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- Litho. OlmosdeAtapuerca. 0246*. (Olmos de Atapuerca, Atapuerca, Burgos, Spain). Primary deposit. Utrillas Formation (Albian Stage, Lower Cretaceous, Mesozoic). Blank type: cobble.
- Litho. OlmosdeAtapuerca. 0248*. (Olmos de Atapuerca, Atapuerca, Burgos, Spain). Primary deposit. Utrillas Formation (Albian Stage, Lower Cretaceous, Mesozoic). Blank type: cobble.
- Litho. Arlanzón. 0252*. (Arlanzón, Arlanzón, Burgos, Spain). Secondary deposit. Blank type: cobble.
- Litho. OlmosdeAtapuerca. 0253*. (Olmos de Atapuerca, Atapuerca, Burgos, Spain). Primary deposit. Utrillas Formation (Albian Stage, Lower Cretaceous, Mesozoic). Blank type: cobble.
- Litho. Pinerdadelasierra. 0259*. (Pineda de la Sierra, Burgos, Spain). Primary deposit. Blank type: block (tabular).
- Litho. Arlanzón. 0260*. (Arlanzón, Arlanzón, Burgos, Spain). Secondary deposit. Blank type: nodule.
- Litho. Pinerdadelasierra. 0261*. (Pineda de la Sierra, Burgos, Spain). Primary deposit. Blank type: block (tabular).

Quartz

- Litho. Naiborsoitndogo. 0023*. (Naibor Soit Ndogo, Olduvai Gorge, Tanzania). Primary deposit. Kisele formation (Precambrian). Blank type: block (tabular).
- Litho. Naiborsoitndogo. 0024*. (Naibor Soit Ndogo, Olduvai Gorge, Tanzania). Primary deposit. Kisele formation (Precambrian). Blank type: block (tabular).
- Litho. Olduvai. 0035*. (Olduvai gorge, Naibor Ndogo, Olduvai Gorge, Tanzania). Undefined deposit. Blank type: flake.
- Litho. Tercernaibor. 0037*. (Third Naibor, Naibor Ndogo, Tanzania). Primary deposit. Kisele formation (Precambrian). Blank type: block (tabular).
- Litho. Tercernaibor. 0038*. (Third Naibor, Naibor Ndogo, Tanzania). Primary deposit. Kisele formation (Precambrian). Blank type: block (tabular).
- Litho. Tormes. 0091*. (Alba de Tormes, Salamanca, Spain). Undefined deposit. Blank type: flake (obtained from cobble).
- Litho. Arlanpe. 0092*. (Peña de Arlanpe, Lemoa, Bizkaia, Spain). Primary deposit. Blank type: block.
- Litho. Arlanzon. 0182*. (Arlanzón, Burgos, Spain). Secondary deposit. Blank type: flake.



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- Litho. Arlanzon. 0183*. (Arlanzón, Burgos, Spain). Secondary deposit. Blank type: flake (obtained from cobble).
- Litho. Miño. 0222*. (Ambrona, Miño de Medinaceli, Soria, Spain). Undefined deposit. Blank type: cobble (archeological sample).
- Litho. Paredesa. 0260. (Ibeas de Juarros, Burgos, Spain). Quartz. Type of outcropping terrace. Upwelling ratio between boulders. Large pebble type support.

Dolerite

- Litho. Dmanisi. 0231*. (Mashavera river banks, Patara Dmanisi, Dmanisi, Georgia). Secondary deposit. Blank type: cobble.

Diorite

- Litho. Dmanisi. 0239*. (Mashavera river banks, Patara Dmanisi, Dmanisi, Georgia). Secondary deposit. Blank type: cobble.

Hematite

- Litho. Aretxabaleta. 0021*. (Aretxabaleta, Gipuzkoa, Spain). Secondary deposit. Blank type: cobble.

Hornblende

- Litho. Dmanisi. 0240*. (Mashavera river banks, Patara Dmanisi, Dmanisi, Georgia). Secondary deposit. Blank type: cobble.

Ignimbrite



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- Litho. Dmanisi. 0235*. (Mashavera river banks, Patara Dmanisi, Dmanisi, Georgia). Primary deposit. Blank type: block.

Lutite

- Litho. Lapurreketa. 0001*#. (Lapurreketa, Dima, Bizkaia, Spain). Primary deposit. Albian, Lower Cretaceous, Mesozoic. Blank type: nodule.
- Litho. Landaxola. 0004*#. (Landaxola, Dima, Bizkaia, Spain). Secondary deposit. Blank type: cobble.
- Litho. Landaxola. 0005*#. (Landaxola, Dima, Bizkaia, Spain). Secondary deposit. Blank type: cobble.
- Litho. Landaxola. 0006*#. (Landaxola, Dima, Bizkaia, Spain). Secondary deposit. Blank type: cobble.
- Litho. Atutxola. 0007*#. (Atutxola, Lemoa, Bizkaia, Spain). Secondary deposit. Blank type: cobble.
- Litho. Atutxola. 0008*#. (Atutxola, Lemoa, Bizkaia, Spain). Secondary deposit. Blank type: cobble.
- Litho. Otxandio. 0018*#. (Otxandio, Bizkaia, Spain). Primary deposit. Albian, Lower Cretaceous, Mesozoic. Blank type: nodule.
- Litho. Atutxola. 0093*. (Atutxola, Lemoa, Bizkaia, Spain). Secondary deposit. Blank type: flake (obtained from cobble).
- Litho. Deba. 0157*. (Deba, Aretxabaleta, Gipuzkoa, Spain). Secondary deposit. Blank type: cobble.
- Litho. Areatza. 0184*. (Areatza, Bizkaia, Spain). Secondary deposit. Blank type: cobble.
- Litho. Areatza. 0185*. (Areatza, Bizkaia, Spain). Secondary deposit. Blank type: cobble.
- Litho. Pagoeta. 0188*. (Pagoeta, Parque Natural Pagoeta, Gipuzkoa). Primary deposit. Blank type: nodule in bedrock matrix.
- Litho. Urola. 0146*#. (Ibeteta, Azkoitia, Gipuzkoa, Spain). Undefined deposit. Blank type: nodule.
- Litho. Urola. 0145*#. (Mugarrieta, Antzuola, Gipuzkoa, Spain). Undefined deposit. Blank type: nodule.
- Litho. Loza. 0126*#. (Loza, Peñacerrada, Álava, Spain). Primary deposit. Paleógeno, Cenozoico. Blank type: nodule.



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- Litho. AltodeDima. 0019*#. (Dima, Bizkaia, Spain). Secondary deposit. Blank type: nodule.

Loam

- Litho. Urola. 0148*#. (Ibeteta, Azkoitia, Gipuzkoa, Spain). Undefined deposit. Blank type: block.

Microgabbro

- Litho. Urola. 0149*#. (Isuskitza, Zumarraga, Gipuzkoa, Spain). Undefined deposit. Blank type: cobble.

Ochre

- Litho. Urratxaburu. 0106*. (Urratxaburu, Urduliz, Bizkaia, Spain). Undefined deposit. Blank type: cobble.

Ophite

- Litho. Errigoiti. 0044*. (Cantera de Errigoiti, Errigoiti, Bizkaia, Spain). Primary deposit. Blank type: block.
- Litho. Aizarna. 0100*. (Aizarna, Cestona, Guipuzkoa, Spain). Secondary deposit. Blank type: cobble.
- Litho. Urola. 0150*. (Isuskitza, Zumarraga, Guipuzkoa, Spain). Secondary deposit. Blank type: cobble.
- Litho. Urola. 0194*. (Urola, Azkoitia, Guipuzkoa, Spain). Secondary deposit. Blank type: cobble.

Opal



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- Litho. Villagonzalo.0251. (Villagonzalo de Pedernales, Burgos. Spain. Primary deposit. Lower Vallenian, Upper Miocene, Tertiary. Blank type: nodule.

Rhyolite

- Litho. Gona. 0047*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0051*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0053*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0054*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0058*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0063*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0065*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0067*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0069*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0071*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0072*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0074*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0075*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0076*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0078*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.



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- Litho. Gona. 0080*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0081*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0082*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0083*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0086*. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0045*#. (Yacimiento de Gona, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.

Flint/Chert

- Litho. Barrika. 0020*. (Barrika, Bizkaia, Spain). Flysch-type chert. Primary deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: cobble.
- Litho. Kurtzia. 0028*. (Barrika, Bizkaia, Spain). Flysch-type chert. Primary deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block (tabular).
- Litho. Kurtzia. 0029*. (Barrika, Bizkaia, Spain). Flysch-type chert. Primary deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: nodule.
- Litho. Monte. 0030*. (Virgen del Mar, Barrio Monte, Santander, Spain). Monte-type chert. Primary deposit. Tertiary. Blank type: nodule.
- Litho. Olduvai. 0036*. (Olduvai gorge, Ngorongoro, Tanzania). Undefined deposit. Blank type: nodule.
- Litho. Cañaverál. 0040*. (El Cañaverál, Coslada, Madrid, Spain). Undefined deposit. Tertiary. Blank type: nodule.
- Litho. Taraconera. 0097*. (Taraconera, Estremera, Madrid, Spain). Secondary deposit. Neogenous, Cenozoic. Blank type: nodule.
- Litho. Taraconera. 0098*. (Taraconera, Estremera, Madrid, Spain). Secondary deposit. Neógeno, Cenozoico. Blank type: nodule.
- Litho. Atxurra. 0099*. (Atxurra, Berriatúa, Bizkaia, Spain). Urgonian type chert. Primary deposit. Cretaceous, Mesozoic.



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- Litho. Urratxaburu. 0101*. (Urratxaburu, Urduliz, Bizkaia, Spain). Flysch-type chert. Undefined deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block.
- Litho. Urratxaburu. 0102*. (Urratxaburu, Urduliz, Bizkaia, Spain). Flysch-type chert. Undefined deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block.
- Litho. Urratxaburu. 0103*. (Urratxaburu, Urduliz, Bizkaia, Spain). Flysch-type chert. Undefined deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block.
- Litho. Urratxaburu. 0104*. (Urratxaburu, Urduliz, Bizkaia, Spain). Flysch-type chert. Undefined deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block.
- Litho. Urratxaburu. 0105*. (Urratxaburu, Urduliz, Bizkaia, Spain). Flysch-type chert. Undefined deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block.
- Litho. Sonabia. 0107*. (Playa de Sonabia, Sonabia, Castro Urdiales, Cantabria, Spain). Urgonian type chert. Primary deposit. Oriñón limestones formation (Upper Aptian – Lower Albian, Lower Cretaceous, Mesozoic). Blank type: block.
- Litho. Sonabia. 0108*. (Playa de Sonabia, Sonabia, Castro Urdiales, Cantabria, Spain). Urgonian type chert. Primary deposit. Oriñón limestones formation (Upper Aptian – Lower Albian, Lower Cretaceous, Mesozoic). Blank type: block.
- Litho. Sonabia. 0109*. (Playa de Sonabia, Sonabia, Castro Urdiales, Cantabria, Spain). Urgonian type chert. Primary deposit. Oriñón limestones formation (Upper Aptian – Lower Albian, Lower Cretaceous, Mesozoic). Blank type: block.
- Litho. Sonabia. 0110*. (Playa de Sonabia, Sonabia, Castro Urdiales, Cantabria, Spain). Urgonian type chert. Primary deposit. Oriñón limestones formation (Upper Aptian – Lower Albian, Lower Cretaceous, Mesozoic). Blank type: block.
- Litho. Sonabia. 0111*. (Sonabia beach, Sonabia, Castro Urdiales, Cantabria, Spain). Urgonian type chert. Primary deposit. Oriñón limestones formation (Upper Aptian – Lower Albian, Lower Cretaceous, Mesozoic). Blank type: block.
- Litho. MontePicota. 0113*. (Monte Picota, Boo de Piélagos, Piélagos, Cantabria, Spain). Monte Picota chert type. Primary deposit. Cabo de Lata Formation (Maastrichtian, Upper Cretaceous, Mesozoic). Blank type: block (tabular).
- Litho. MontePicota. 0114*. (Monte Picota, Boo de Piélagos, Piélagos, Cantabria, Spain). Monte Picota chert type. Primary deposit. Cabo de Lata Formation (Maastrichtian, Upper Cretaceous, Mesozoic). Blank type: nodule.



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- Litho. MontePicota. 0115*. (Monte Picota, Boo de Piélagos, Piélagos, Cantabria, Spain). Monte Picota chert type. Primary deposit. Cabo de Lata Formation (Maastrichtian, Upper Cretaceous, Mesozoic). Blank type: nodule.
- Litho. RiberaAlta. 0116*. (Subijana-Morillas, Ribera Alta, Álava, Spain). Sílex tipo Ribera Alta. Primary deposit. Coniacian, Upper Cretaceous, Mesozoic. Blank type: nodule in bedrock matrix.
- Litho. RiberaAlta. 0117*. (Subijana-Morillas, Ribera Alta, Álava, Spain). Sílex tipo Ribera Alta. Primary deposit. Coniacian, Upper Cretaceous, Mesozoic. Blank type: nodule in bedrock matrix.
- Litho. RiberaAlta. 0118*. (Subijana-Morillas, Ribera Alta, Álava, Spain). Sílex tipo Ribera Alta. Primary deposit. Coniacian, Upper Cretaceous, Mesozoic. Blank type: nodule in bedrock matrix.
- Litho. RiberaAlta. 0119*. (Subijana-Morillas, Ribera Alta, Álava, Spain). Sílex tipo Ribera Alta. Primary deposit. Coniacian, Upper Cretaceous, Mesozoic. Blank type: nodule in bedrock matrix.
- Litho. PantanoEbro. 0121*. (Orzales, Barrio Villasuso, Las Rozas de Valdearroyo, Cantabria, Spain). Undefined deposit. Blank type: nodule.
- Litho. PantanoEbro. 0122*. (Orzales, Barrio Villasuso, Las Rozas de Valdearroyo, Cantabria, Spain). Undefined deposit. Blank type: nodule.
- Litho. PantanoEbro. 0123*. (Orzales, Barrio Villasuso, Las Rozas de Valdearroyo, Cantabria, Spain). Undefined deposit. Blank type: nodule.
- Litho. Loza. 0124*. (Loza, Peñacerrada, Álava, Spain). Loza type chert. Undefined deposit. Included in Paleogene (Upper Thanetian, Paleocene - Lower Ypresian, Eocene). Blank type: block.
- Litho. Loza. 0125*. (Loza, Peñacerrada, Álava, Spain). Loza type chert. Undefined deposit. Included in Paleogene (Upper Thanetian, Paleocene - Lower Ypresian, Eocene). Blank type: block.
- Litho. Loza. 0127*. (Loza, Peñacerrada, Álava, Spain). Loza type chert. Undefined deposit. Included in Paleogene (Upper Thanetian, Paleocene - Lower Ypresian, Eocene). Blank type: block.
- Litho. Loza. 0128*. (Loza, Peñacerrada, Álava, Spain). Loza type chert. Undefined deposit. Included in Paleogene (Upper Thanetian, Paleocene - Lower Ypresian, Eocene). Blank type: block.
- Litho. Loza. 0129*. (Loza, Peñacerrada, Álava, Spain). Loza type chert. Undefined deposit. Included in Paleogene (Upper Thanetian, Paleocene - Lower Ypresian, Eocene). Blank type: block.



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- Litho. Loza. 0130*. (Loza, Peñacerrada, Álava, Spain). Loza type chert. Undefined deposit. Included in Paleogene (Upper Thanetian, Paleocene - Lower Ypresian, Eocene). Blank type: block.
- Litho. Loza. 0131*. (Loza, Peñacerrada, Álava, Spain). Loza type chert. Undefined deposit. Included in Paleogene (Upper Thanetian, Paleocene - Lower Ypresian, Eocene). Blank type: block.
- Litho. ElPedregon. 0132*. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. ElPedregon. 0133*#. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. ElPedregon. 0134*. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. ElPedregon. 0135*#. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. ElPedregon. 0136*. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. ElPedregon. 0137*. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. ElPedregon. 0138*. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. ElPedregon. 0139*. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. ElPedregon. 0140*. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. ElPedregon. 0141*. (Medina de Pomar, Burgos, Spain). El Pedregón chert type. Primary deposit. Blank type: nodule.
- Litho. Aranbaltza. 0153*. (Aranbaltza, Barrika, Bizkaia, Spain). Flysch-type chert. Undefined deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block tabular.
- Litho. Aranbaltza. 0154*. (Aranbaltza, Barrika, Bizkaia, Spain). Flysch-type chert. Undefined deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block tabular.
- Litho. Aranbaltza. 0155*. (Aranbaltza, Barrika, Bizkaia, Spain). Flysch-type chert. Undefined deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block tabular.



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- Litho. Aranbaltza. 0156*. (Aranbaltza, Barrika, Bizkaia, Spain). Flysch-type chert. Undefined deposit. Cenomanian / Santonian, Upper Cretaceous, Mesozoic. Blank type: block tabular.
- Litho. Juarros. 0160*. (Juarros, Ibeas de Juarros, Burgos, Spain). Juarros chert type. Primary deposit. Middle Miocene, Neogene. Blank type: nodule.
- Litho. Juarros. 0161*. (Juarros, Ibeas de Juarros, Burgos, Spain). Juarros chert type. Primary deposit. Middle Miocene, Neogene. Blank type: nodule.
- Litho. Juarros. 0162*. (Juarros, Ibeas de Juarros, Burgos, Spain). Juarros chert type. Primary deposit. Middle Miocene, Neogene. Blank type: nodule.
- Litho. Juarros. 0163*. (Juarros, Ibeas de Juarros, Burgos, Spain). Juarros chert type. Primary deposit. Middle Miocene, Neogene. Blank type: nodule.
- Litho. Juarros. 0164*. (Juarros, Ibeas de Juarros, Burgos, Spain). Juarros chert type. Primary deposit. Middle Miocene, Neogene. Blank type: nodule.
- Litho. Yrizar. 0166*. (Yrizar, Lemoiz, Bizkaia, Spain). Flysch-type chert. Primary deposit. Tabular like blank.
- Litho. Yrizar. 0167*. (Yrizar, Lemoiz, Bizkaia, Spain). Flysch-type chert. Primary deposit. Tabular like blank.
- Litho. Yrizar. 0168*. (Yrizar, Lemoiz, Bizkaia, Spain). Flysch-type chert. Primary deposit. Tabular like blank.
- Litho. Yrizar. 0169*. (Yrizar, Lemoiz, Bizkaia, Spain). Flysch-type chert. Primary deposit. Tabular like blank.
- Litho. Yrizar. 0170*. (Yrizar, Lemoiz, Bizkaia, Spain). Flysch-type chert. Primary deposit. Tabular like blank.
- Litho. Juarros. 0171*. (Juarros, Rubena, Burgos, Spain). Juarros chert type. Primary deposit. Astaracian, Miocene, Neogene, Cenozoic. Blank type: nodule.
- Litho. Juarros. 0172*. (Juarros, Rubena, Burgos, Spain). Juarros chert type. Primary deposit. Astaracian, Miocene, Neogene, Cenozoic. Blank type: nodule.
- Litho. SanVicente. 0173*. (Rasa de San Vicente, Alto de San Vicente, Cardeñuela de Riopico, Burgos, Spain). Undefined deposit. Cretaceous, Mesozoic. Blank type: flake.
- Litho. SanVicente. 0174*. (Rasa de San Vicente, Alto de San Vicente, Cardeñuela de Riopico, Burgos, Spain). Undefined deposit. Cretaceous, Mesozoic. Blank type: flake.
- Litho. CuestaBajada. 0203*. (Cuesta de la Bajada, Teruel, Spain). Undefined deposit. Blank type: flake (archeological).
- Litho. CuestaBajada. 0204*. (Cuesta de la Bajada, Teruel, Spain). Undefined deposit. Undefined blank (archeological sample).



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- Litho. Gaintxurizketa. 0209*. (Gaintxurizketa, Lezo, Gipuzkoa, Spain). Undefined deposit. Blank type: nodule.
- Litho. Gaintxurizketa. 0210*. (Gaintxurizketa, Lezo, Gipuzkoa, Spain). Undefined deposit. Blank type: nodule.
- Litho. Gaintxurizketa. 0211*. (Gaintxurizketa, Lezo, Gipuzkoa, Spain). Undefined deposit. Blank type: nodule.
- Litho. Gaintxurizketa. 0212*. (Gaintxurizketa, Lezo, Gipuzkoa, Spain). Undefined deposit. Blank type: nodule.
- Litho. Gaintxurizketa. 0213*. (Gaintxurizketa, Lezo, Gipuzkoa, Spain). Undefined deposit. Blank type: nodule.
- Litho. Gaintxurizketa. 0214*. (Gaintxurizketa, Lezo, Gipuzkoa, Spain). Undefined deposit. Blank type: nodule.
- Litho. Gaintxurizketa. 0215*. (Gaintxurizketa, Lezo, Gipuzkoa, Spain). Undefined deposit. Blank type: nodule.
- Litho. Concha. 0223*. (Concha, Tartanedo, Guadalajara, Spain). Primary deposit. Toarcian – Aalenian, Dogger, Jurassic, Mesozoic. Blank type: nodule.
- Litho. Ambrona. 0224*. (Ambrona, Miño de Medinaceli, Soria, Spain). Primary deposit. Jurassic, Mesozoic. Blank type: nodule.
- Litho. Ambrona. 0225*. (Ambrona, Miño de Medinaceli, Soria, Spain). Primary deposit. Jurassic, Mesozoic. Blank type: nodule.
- Litho. Ambrona. 0226*. (Ambrona, Miño de Medinaceli, Soria, Spain). Primary deposit. Jurassic, Mesozoic. Blank type: nodule.
- Litho. Prado Valle. 0227*. (Prado Valle, Zalduendo, Arlanzón, Burgos, Spain). Primary deposit. Astaracian – Vallesian, Miocene, Neogene, Cenozoic. Blank type: nodule.
- Litho. Valhondo. 0229*. (Valhondo, Galarde, Arlanzón, Burgos, Spain). Primary deposit. Tera Group (Berriasian, Lower Cretaceous, Mesozoic). Blank type: tabular block.
- Litho.ElPedregon. 0142*. (El Pedregón, Medina de Pomar, Burgos, Spain). Primary deposit. Blank type: block.
- Litho. Carazo. 0244. (Carazo, Carazo, Burgos, Spain). Primary deposit. Coniacian-Turonian, Upper Cretaceous. Mesozoic. Blank type: nodule.
- Litho. Norfolk. 0247. (Norfolk, East Anglia, UK) Primary deposit. Turonian. Upper Cretaceous. Blank type: nodule.
- Litho. Treviño. 0249. (Treviño, Condado de Treviño, Burgos, Spain). Primary deposit. Miocene, Tertiary. Blank type: nodule.



- Litho. Mataviejas. 0250. (Carazo, Carazo, Burgos, Spain). Secondary deposit. Coniacian-Turonian. Upper Cretaceous. Mesozoic. Blank type: nodule.
- Litho. Villagonzalo. 0254. (Villagonzalo de Pedernales, Burgos, Spain). Primary deposit. Lower Vallesian. Upper Miocene. Tertiary. Blank type: nodule.
- Litho. Jaulín. 0255. (Jaulín, Zaragoza, Spain). Primary deposit. Coniacian-Turonian, Upper Cretaceous. Mesozoic. Blank type: nodule.
- Litho. Picacho.0256. (Santo Domingo de Silos, Burgos, Spain). Primary deposit. Coniacian-Turonian. Upper Cretaceous. Mesozoic. Blank type: nodule.
- Litho. SierraMaría. 0258. (Almería, Spain). Blank type: nodule.
- Litho. Cardeñadijo. 0262. (Cardeñadijo, Burgos, Spain). Primary deposit. Blank type: nodule.
- Litho. ElCañaveral. 0263. (Madrid, Spain). Primary deposit. Blank type: nodule.
- Litho. Atapuerca. 0278. (Atapuerca, Burgos, Spain). Cretaceous flint. Primary deposit. Blank type: nodule.
- Litho. IbeasdeJuarros. 0280. (Ibeas de Juarros, Burgos, Spain). Neogene flint. Blank type: nodule.
- Litho. AinHanech. 0285. (Ain Hanech, Guelta Zerga, Setif, Algeria). Black flint. Conglomerate.
- Litho. AinHanech. 0286. (Ain Hanech, Guelta Zerga, Setif, Algeria). Black flint. Conglomerate.

Siltstone

- Litho. Lapurreketa. 0002*#. (Lapurreketa, Dima, Bizkaia, Spain). Primary deposit. Albian, Lower Cretaceous, Mesozoic. Blank type: block.
- Litho. Lapurreketa. 0003*#. (Lapurreketa, Dima, Bizkaia, Spain). Primary deposit. Albian, Lower Cretaceous, Mesozoic. Blank type: block.

Volcanic tuff

- Litho. Txiriboketa. 0186*. (Txiribogeta, Barrio Txiriboketa, Lemoa, Bizkaia, Spain). Secondary deposit. Blank type: block.
- Litho. Dmanisi. 0234*. (Patara Dmanisi, Dmanisi, Georgia, Spain). Secondary deposit. Blank type: cobble.



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- Litho. Dmanisi. 0233*. (Patara Dmanisi, Dmanisi, Georgia, Spain). Secondary deposit. Blank type: cobble.
- Litho. Dmanisi. 0232*. (Patara Dmanisi, Dmanisi, Georgia, Spain). Secondary deposit. Blank type: cobble.

Trachyte

- Litho. Aranbaltza. 0022*. (Aranbaltza, Barrika, Bizkaia, Spain). Undefined deposit. Blank type: block.
- Litho. Gona. 0048*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0049*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0050*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0055*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0059*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0060*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0061*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0062*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0064*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0066*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0068*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0070*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0073*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.



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- Litho. Gona. 0079*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0084*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0085*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0088*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Gona. 0089*. (Gona Archeological Site, Hadar Region, Afar, Ethiopia). Undefined deposit. Blank type: cobble.
- Litho. Urola. 0144*#. (Artexeberri, Azkoitia, Gipuzkoa, Spain). Undefined deposit. Blank type: block.
- Litho. Urola. 0193*. (Urola, Azkoitia, Gipuzkoa, Spain). Secondary deposit. Blank type: cobble.

Vulcanite

- Litho. Urola. 0147*. (Ibeteta, Azkoitia, Gipuzkoa, Spain). Undefined deposit. Blank type: block.
- Litho. Amalda. 0158*. (Amalda, Zestoa, Gipuzkoa, Spain). Undefined deposit. Blank type: block (tabular).
- Litho. Amalda. 0159*. (Amalda, Zestoa, Gipuzkoa, Spain). Undefined deposit. Blank type: block (tabular).
- Litho. Urola. 0190*. (Urola, Azkoitia, Gipuzkoa, Spain). Secondary deposit. Blank type: cobble.
- Litho. Urola. 0191*. (Urola, Azkoitia, Gipuzkoa, Spain). Secondary deposit. Blank type: cobble.
- Litho. Urola. 0192*. (Urola, Azkoitia, Gipuzkoa, Spain). Secondary deposit. Blank type: cobble.