

**Document Reference**

title	doi	authors	year	month	description
Technical Report and Preliminary Economic Assessment	<a href="https://w3id.org/usgs/z/4530692/SUCAJNPT">https://w3id.org/usgs/z/4530692/SUCAJNPT</a>	Thomas L. Dyer P.E.	2013	4	The document presents a technical report and preliminary economic assessment for the Nuestra Señora, San Rafael, and El Cajón Deposits in Sinaloa, Mexico, conducted by Mine Development Associates for Scorpio Mining Corporation with an effective date of December 31, 2012, and a report date of April 12, 2013.

Technical Report and Preliminary Economic Assessment	<a href="https://w3id.org/usgs/z/4530692/SUCAJNPT">https://w3id.org/usgs/z/4530692/SUCAJNPT</a>	Steven Ristorelli C. P. G.	2013	4	The document presents a technical report and preliminary economic assessment for the Nuestra Señora, San Rafael, and El Cajón Deposits in Sinaloa, Mexico, conducted by Mine Development Associates for Scorpio Mining Corporation with an effective date of December 31, 2012, and a report date of April 12, 2013.
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Technical Report and Preliminary Economic Assessment	<a href="https://w3id.org/usgs/z/4530692/SUCAJNPT">https://w3id.org/usgs/z/4530692/SUCAJNPT</a>	Paul Tietz C. P. G.	2013	4	The document presents a technical report and preliminary economic assessment for the Nuestra Señora, San Rafael, and El Cajón Deposits in Sinaloa, Mexico, conducted by Mine Development Associates for Scorpio Mining Corporation with an effective date of December 31, 2012, and a report date of April 12, 2013.
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Technical Report and Preliminary Economic Assessment	<a href="https://w3id.org/usgs/z/4530692/SUCAJNPT">https://w3id.org/usgs/z/4530692/SUCAJNPT</a>	Michael S. Lindholm C. P. G.	2013	4	The document presents a technical report and preliminary economic assessment for the Nuestra Señora, San Rafael, and El Cajón Deposits in Sinaloa, Mexico, conducted by Mine Development Associates for Scorpio Mining Corporation with an effective date of December 31, 2012, and a report date of April 12, 2013.
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Technical Report and Preliminary Economic Assessment	<a href="https://w3id.org/usgs/z/4530692/SUCAJNPT">https://w3id.org/usgs/z/4530692/SUCAJNPT</a>	Pierre Lacombe Eng.	2013	4	The document presents a technical report and preliminary economic assessment for the Nuestra Señora, San Rafael, and El Cajón Deposits in Sinaloa, Mexico, conducted by Mine Development Associates for Scorpio Mining Corporation with an effective date of December 31, 2012, and a report date of April 12, 2013.
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Technical Report and Preliminary Economic Assessment	<a href="https://w3id.org/usgs/z/4530692/SUCAJNPT">https://w3id.org/usgs/z/4530692/SUCAJNPT</a>	Jack McPartl and Q.P.M.	2013	4	The document presents a technical report and preliminary economic assessment for the Nuestra Señora, San Rafael, and El Cajón Deposits in Sinaloa, Mexico, conducted by Mine Development Associates for Scorpio Mining Corporation with an effective date of December 31, 2012, and a report date of April 12, 2013.
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#### Mineral Site

source_id	name	location_info. location	location_info. country	location_info. crs	location_info. state_or_province
<a href="https://w3id.org/usgs/z/4530692/SUCAJNPT">https://w3id.org/usgs/z/4530692/SUCAJNPT</a>	Technical Report and Preliminary Economic Assessment	POINT(-106.66666666666667 24.483333333333334)	Mexico	WGS84	Sinaloa

#### Mineral Inventory

zone	page_number	commodity	category	ore_unit	ore_value	grade_unit	grade_value	cutoff_unit	cutoff_value
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san rafael	9	zinc	inferred	tonnes	33310000	percent	0.18	zinc equivalence percent	1.5
	7	zinc	indicated	tonnes	2088000	percent	1.7	silver equivalence gram per tonne	60.0
san rafael	9	zinc	indicated	tonnes	14788000	percent	1.37	zinc equivalence percent	1.5
	7	zinc	measured	tonnes	332000	percent	2.01	silver equivalence gram per tonne	60.0
	7	zinc	measured	tonnes	2420000	percent	1.74	silver equivalence gram per tonne	60.0
san rafael	9	zinc	measured	tonnes	5124000	percent	2.1	zinc equivalence percent	1.5

### Deposit Types

deposit type
Skarn zinc-lead-silver
MVT zinc-lead
Bimodal-mafic VMS
Bimodal felsic VMS