



flexicadaastre

Governance - Risk - Compliance

Relaciones con Comunidades: Reasentamiento y Compensación

*2ª LARUC - FlexiCadaastre
Conferencia Regional de Usuarios Latinoamérica*

Lima, Septiembre 3 y 4, 2015

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spatial dimension

Reasentamiento y Compensación de Comunidades



Desafíos en los Reasentamientos

- Las deficiencias en la política del Gobierno
- Aplicación ineficaz de los programas de reasentamiento por las empresas
- Negociaciones que involucran empresas, representantes del Gobierno, organizaciones no gubernamentales y comunidades
- Encontrar tierras disponibles adecuadas

Desafíos en los Reasentamientos

- Encontrar tierras disponibles adecuadas
- Proporcionar construcciones culturalmente apropiados
- Hacer frente a numerosas familias y grupos familiares
- Facilitar el acceso a los alimentos, el agua, el trabajo, la educación ...
- El restablecimiento de la dinámica de la comunidad
- La gestión de los procesos de queja efectiva

Desafíos en los Reasentamientos

Desafío con los Procesos de Pago:

- Procesos de Pago manuales – en efectivo
- Fraude
- Errores de cálculo en los pagos
- Pagos dobles
- Los pagos no realizados en el tiempo
- La identificación de los beneficiarios correctos
- Documentos perdidos, sin antecedentes
- No hay procedimientos escritos

Estudio de Caso Exitoso: Tanzania

Acacia Mining

- Dar Es Salaam
- North Mara
- Bulyanhulu
- Tulawaka
- Buzwagi



Acacia Mining: Proyecto de Compensación

Mina North Mara se encuentra en la Región de Mara, NW Tanzania, en la region del Parque Nacional del Serengeti, y más de 1,7 millones de personas



Objetivos del Proyecto

- Establecer Prácticas Estándar Negocio
- Cumplir con el requisito legal de compensar a los titulares consuetudinario de la tierra
- Cumplir con las Normas de Gobierno Corporativo
 - Servicios Tierras - Gestión de Registros
 - Gestión y Resolución de Quejas
- Cumplir con los Planes de Acción de Reasentamiento existentes

Fuente: Margie Winsel Boorda, Director, Corporate Land Management, Barrick Gold Corporation, FlexiCadastré User Conference 2012

Gestión exitosa de los Programas de Reasentamiento

Gestión del proceso de **compensación** para los programas de reasentamiento de la comunidad puede incluir:

- Tierra
- Cultivos / Árboles
- Edificios (Acuerdos de Construcción)
- Cementerios/ Sepulturas
- Estructuras



Acacia Mining: Proceso de Reasentamiento (1)

1. Áreas de reasentamiento identificadas
2. Negociar Memorando de Entendimiento (MOU) con los habitantes
3. Levantamiento individual de las parcelas de tierra - propietarios y sus inquilinos (Contratistas de la Topografía)
4. Valuación de la Propiedad (Evaluadores Registrados) - Cultivos, Edificios, Sepulturas, etc.
5. Entrada de Datos / Importación en FlexiCadaastre

Formularios de Evaluación

	A	B	C	D	E	F	G
1	Building Type	Quantity	Unit Rate	Depreciation (%)	House	Accommodation	Assign to Owner
2	House No.1: Iron sheet & wooden roof, Burn bricks wall chipping out side & coloured inside, Coloured ceilling board, Wooden iron steel & wire mesh window, 2 rooms, Wooden & coloured doors, Cemented floor	18.4800	250000		Inhabited	35000	
3	House No.2: Iron sheet & wooden roof, Burn bricks wall chipping out side plaster & colour, Coloured ceilling board, Wooden iron steel & wire mesh window, 2 rooms, Wooden doors, Cemented floor.	24.9600	250000		Inhabited	40000	
4	Houser No.3: Thatch roof, Mud bricks wall, 1 room, Wooden door, Mud floor.	7.5500	150000	5%	Inhabited	10000	
5	House No.4: Thatch roof, Mud bricks wall, 1 room, Wooden doors, Mud floor.	12.5700	150000	5%	Inhabited	10000	
6							
7							

	A	B	C
1	Business	Unit Rate	Assign to Owner
2	Shop: Grocery Store	250000	
3			
4			
5			

	A	C	D
1	Graves	Assign to Owner	
2	*****	YES	
3			
4			
5			

	A	B	C	D	E
1	Asset Type	Quantity	Unit Rate	Depreciation (%)	Assign to Owner
2	Toilet: Mud bricks wall, Iron sheet door, Mud floor.	1.69	100000		
3	Well	1	250000		
4					

Formularios de Evaluación

Megeera%20Muhoni%20Megeera%20(Phase%2026)%20(Parcel%2054)%20AIS[1] [Compatibility Mode]

	A	B	C	D
1	Alizeti/Sunflower seed	Stem	Inhabited	Yes
2	Aloe Vera/Aloe Vera	Hectare	Uninhabited	
3	Ashoka tree			
4	Bamia/Okra			
5	Beetroot/Beetroot			
6	Bilinganya/Eggplant			
7	Bingo Bingo/Majani Ngombe			
8	Chapa bunduki/Chapa bunduki			
9	Chestnuts/Chestnuts			
10	Dengu/Lentils			
11	Figiri/Radish			
12	Fiwi karanga/Fiwi nuts			
13	Fyulisi/Peaches			
14	Grevillea			
15	Iliki/Cardamom			
16	Kabichi/Cabbage			
17	Kahawa/Coffee			
18	Kakao/Cocoa			
19	Karanga/Groundnuts			
20	Karatusi/Eucalyptus			
21	Karoti/Carrot			
22	Katani/Hemp			
23	Kilimanjaro Tree/Kilimanjaro Tree			
24	Kirerema/Makorove/Nderema			

Megeera%20Muhoni%20Megeera%20(Phase%2026)%20(Parcel%2054)%20AIS[1] [Compatibility Mode]

	A	B	C	D	E	F
1	Crop Type	Unit	Quantity	Maturity (%)	Assign to Owner	
2	Migomba/Bananas	Hectare	0.102	80%		
3	Mipapai/Pawpaw	Stem	46	100%		
4	Mwembe/Mango	Stem	39	100%		
5	Mwembe/Mango	Stem	5	20%		
6	Kahawa/Coffee	Stem	11	100%		
7	Kahawa/Coffee	Stem	8	70%		
8	Machugwa/Oranges	Stem	5	80%		
9	Mparachichi/Avocado	Stem	1	100%		
10	Mparachichi/Avocado	Stem	1	50%		
11	Miti ya Asili/Indigenous Trees	Stem	11	100%		
12	Miti ya Asili/Indigenous Trees	Stem	13	60%		
13	Mikorosho/Cashew nut	Stem	2	100%		
14	Mikorosho/Cashew nut	Stem	1	30%		
15	Pilipili manga/Black pepper	Stem	20	80%		
16	Miti Kaburi/Mibono/Castor Oil	Stem	1	100%		
17	Michongoma/Thorn Tree	Stem	1	100%		
18	Katani/Hemp	Stem	300	100%		
19	Katani/Hemp	Stem	150	30%		
20						
21	Alizeti/Sunflower seed					
22	Aloe Vera/Aloe Vera					
	Ashoka tree					
	Bamia/Okra					
	Beetroot/Beetroot					
	Bilinganya/Eggplant					
	Bingo Bingo/Majani Ngombe					
	Chapa bunduki/Chapa bunduki					

Buildings Other Assets Graves Crops

Crops Lookup Business

Levantamiento del Sitio

Action
Approval
Documents
User Notification
Reference Codes
Work Accounts
Audit

i Action Instructions Hide Details

- A value must be added to the Official Area field, if there is no shape then add the number 0 in the Official Area field, do not leave the field blank.

General Details

Due Date:

Comments:

WARNING: The all-shape policy in the surveying system and the historical data have been set up in this system. The all-shape policy in the surveying system is to use the official area field. The official area field is not found in the system. For the all-shape policy in the surveying system, the official area field is not found in the system.

Reference Number:

Created By: Periodic Pmts: WF Cat 500, 501, 502, 503, 504, 505, 506, 507 - Statutory > Schedule: Survey Cleared Land (504)

Survey Details

Surveyor:

SURVEYED SHAPE EXISTING SHAPE

Shape Area

Official Area: Hectare GET AREA

Calculated Area: 1.4444 Hectare

Coordinate System: GCS_Aus66

View coordinates in: DMS DD

Shape Parts

Part

Part 1

Add coordinate to part

Part Coordinates: Unit: Degree

Order	Lat Deg	Lat Min	Lat Sec	N/S	Long Deg	Long Min	Long Sec	E/W
1	5	27	44.27	S	143	6	42.55	E
2	5	27	45.12	S	143	6	42.34	E
3	5	27	45.54	S	143	6	42.35	E
4	5	27	45.94	S	143	6	42.88	E
5	5	27	49.72	S	143	6	42.87	E
6	5	27	50.78	S	143	6	42.87	E
7	5	27	51.05	S	143	6	42.43	E
8	5	27	50.87	S	143	6	41.71	E
9	5	27	50.90	S	143	6	41.41	E

copy current shape

copy existing shape

Los Cálculos de Pago

- Los artículos de línea, incluyendo el número de cultivos, tumbas, cabañas, etc.

The image displays two overlapping windows from a software application, both showing lists of payment items. The top window is titled 'General Items' and contains 11 items. The bottom window is also titled 'General Items' and contains 1 item.

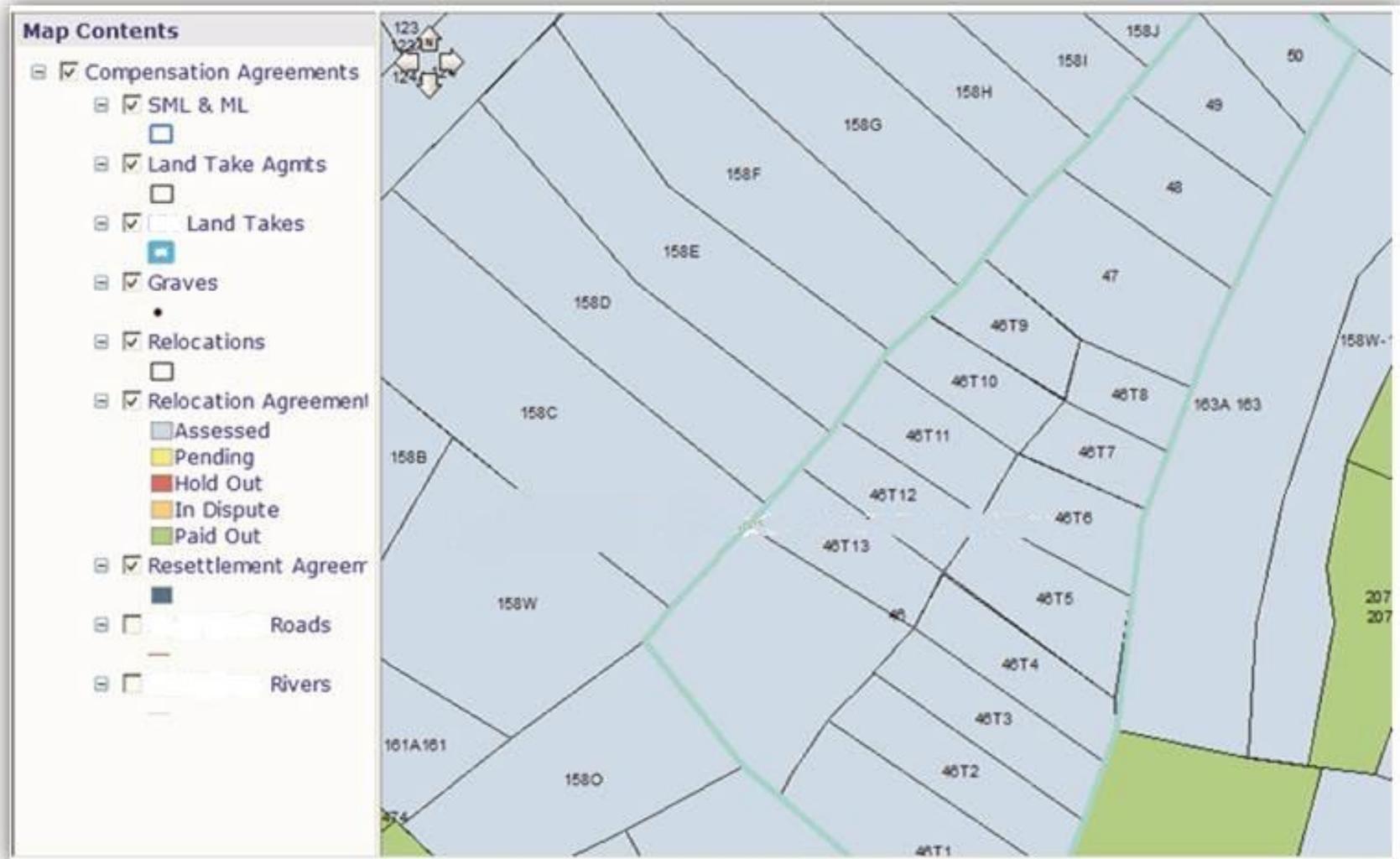
Top Window: 11 Payment Items

All	Description	Quantities	Value
<input type="checkbox"/>	Katani/Hemp - Stem	186.0000 (Quantity) * 4,681 (Rate) * 1.00 (Maturity)	8599,380000
<input type="checkbox"/>	Mbono/Jatropha - Stem	2.0000 (Quantity) * 20,000 (Rate) * 1.00 (Maturity)	40000,000000
<input type="checkbox"/>	Mikorosho/Cashew nut - Stem	2.0000 (Quantity) * 167,796 (Rate) * 1.00 (Maturity)	335592,000000
<input type="checkbox"/>	Mipapai/Pawpaw - Stem	10.0000 (Quantity) * 10,000 (Rate) * 1.00 (Maturity)	100000,000000
<input type="checkbox"/>	Miti ya Asili/Indigenous Trees - Stem	6.0000 (Quantity) * 13,100 (Rate) * 0.60 (Maturity)	47160,000000
<input type="checkbox"/>	Miti ya Asili/Indigenous Trees - Stem	1.0000 (Quantity) * 13,100 (Rate) * 1.00 (Maturity)	13100,000000
<input type="checkbox"/>	Mlimau/Lemon improved - Stem	1.0000 (Quantity) * 13,000 (Rate) * 1.00 (Maturity)	13000,000000
<input type="checkbox"/>	Mwembe/Mango - Stem	3.0000 (Quantity) * 83,000 (Rate) * 1.00 (Maturity)	249000,000000
<input type="checkbox"/>	Mwembe/Mango - Stem	3.0000 (Quantity) * 83,000 (Rate) * 0.30 (Maturity)	75300,000000

Bottom Window: 1 Payment Item

All	Description	Quantities	Value
<input type="checkbox"/>	Graves	4 (Quantity) * 2500,0000 (Rate)	10000,000000
	Total		10000,000000

La Interfaz de Mapa



Acacia Mining: Proceso de Reasentamiento (2)

7. Generar Informes de Valoración (Gobierno)
8. Crear Acuerdo de Reasentamiento (si es elegible)
8. Imprimir informe de Resumen de Pagos (para la aprobación interna)
9. Imprimir Programación Compensación Individual
10. Reunión de Pagos, con los siguientes resultados:
 - Pagado
 - Impugnación / Hold Out
 - Título En Disputa

Informes de Valoración

DETAILED VALUATION REPORT FOR COMPENSATION OF PROJECT AFFECTED PERSONS WITHIN [REDACTED]
 DISTRICT, [REDACTED]
 PROJECT OWNER: [REDACTED]
 PROJECT NAME: [REDACTED]

Compensatee Name	Description	Unit	Quantity	Unit Rate	Depreciation	Value (TSH)
54 - [REDACTED]	Land Value	Hectare	0.1021	[REDACTED]		[REDACTED]
	House No.1: Iron sheet & wooden roof, Burn bricks wall chipping out side & coloured inside, Coloured ceiling board, Wooden iron steel & wire mesh window, 2 rooms, Wooden & coloured doors, Cemented floor (Inhabited)	Square Meter	18.4800	[REDACTED]		[REDACTED]
	House No.2: Iron sheet & wooden roof, Burn bricks wall chipping out side plaster & colour, Coloured ceiling board, Wooden iron steel & wire mesh window, 2 rooms, Wooden doors, Cemented floor. (Inhabited)	Square Meter	24.9600	[REDACTED]		[REDACTED]
	Houser No.3: Thatch roof, Mud bricks wall, 1 room, Wooden door, Mud floor. (Inhabited)	Square Meter	7.5500	[REDACTED]	5%	[REDACTED]
	House No.4: Thatch roof, Mud bricks wall, 1 room, Wooden doors, Mud floor. (Inhabited)	Square Meter	12.5700	[REDACTED]	5%	[REDACTED]
	Graves		1	[REDACTED]		[REDACTED]
	Toilet: Mud bricks wall, Iron sheet door, Mud floor.	Square Meter	1.6900	[REDACTED]		[REDACTED]
	Well		1	[REDACTED]		[REDACTED]
	Migomba/Bananas - 80%	Hectare	0.1020	[REDACTED]		[REDACTED]
	Mipapai/Pawpaw - 100%	Stem	46	[REDACTED]		[REDACTED]
	Mwembe/Mango - 100%	Stem	39	[REDACTED]		[REDACTED]
	Mwembe/Mango - 20%	Stem	5	[REDACTED]		[REDACTED]
	Kahawa/Coffee - 100%	Stem	11	[REDACTED]		[REDACTED]
	Kahawa/Coffee - 70%	Stem	8	[REDACTED]		[REDACTED]
	Machugwa/Oranges - 80%	Stem	5	[REDACTED]		[REDACTED]
	Mparachichi/Avocado - 100%	Stem	1	[REDACTED]		[REDACTED]
	Mparachichi/Avocado - 50%	Stem	1	[REDACTED]		[REDACTED]
	Miti ya Asili/Indigenous Trees - 100%	Stem	11	[REDACTED]		[REDACTED]
	Miti ya Asili/Indigenous Trees - 60%	Stem	13	[REDACTED]		[REDACTED]
	Mikorosho/Cashew nut - 100%	Stem	2	[REDACTED]		[REDACTED]
	Mikorosho/Cashew nut - 30%	Stem	1	[REDACTED]		[REDACTED]
Pilipili manga/Black pepper - 80%	Stem	20	[REDACTED]		[REDACTED]	
Miti Kaburi/Mibono/Castor Oil - 100%	Stem	1	[REDACTED]		[REDACTED]	
Michongoma/Thorn Tree - 100%	Stem	1	[REDACTED]		[REDACTED]	
Katani/Hemp - 100%	Stem	300	[REDACTED]		[REDACTED]	
Katani/Hemp - 30%	Stem	150	[REDACTED]		[REDACTED]	
					Subtotal	[REDACTED]
				Disturbance Allowance 5%		[REDACTED]
	Accommodation Allowance	Month	36	[REDACTED]		[REDACTED]
	Transportation Allowance			[REDACTED]		[REDACTED]

Programación Compensación Individual

FORM 1920

**COMPENSATION SCHEDULE
PHASE 19**

Beneficiary Name(s): [REDACTED]

ID Number: [REDACTED]

Parcel Number: 1 Area: 0.0218 ha

Land Owner Name: [REDACTED]

Village: [REDACTED] Hamlet: [REDACTED]

District: [REDACTED] Region: [REDACTED]

Check Number: [REDACTED]



In-Kind Compensation

Description	Area (m2)
House No. 1 Round Hut, Thatch Roofed, stone and mud wall (Inhabited)	2.1200
House No. 2 Round Hut, Thatch Roofed, stone and mud wall (Inhabited)	2.7000
TOTAL ENTITLEMENT	4.8200

Land, Buildings, Crops and Other Items - Government Rates - Disturbance Allowance Applicable

Description	Unit	Quantity	Unit Rate	Value (TSH)
Land				
Land Value	Hectare	0.0218	[REDACTED]	[REDACTED]
Buildings				
Mud Hut (Inhabited) (from Parcel 1A)	Square Meter	1.2000	[REDACTED]	[REDACTED]
House No. 1 Round Hut, Thatch Roofed, stone and mud wall (Inhabited)	Square Meter	2.1200	[REDACTED]	[REDACTED]
House No. 2 Round Hut, Thatch Roofed, stone and mud wall (Inhabited)	Square Meter	2.7000	[REDACTED]	[REDACTED]
House No. 3 Round Hut, Thatch Roofed, stone and mud wall (Inhabited)	Square Meter	2.8000	[REDACTED]	[REDACTED]
House No. 4 Round Hut, Thatch Roofed, stone and mud wall (Uninhabited)	Square Meter	2.4000	[REDACTED]	[REDACTED]
Crops				
Mpera/Guava - 100%	Stem (from Parce	5.0000	[REDACTED]	[REDACTED]
Mwembe/Mango - 25%	Stem (from Parce	8.0000	[REDACTED]	[REDACTED]
Other Items				
Graves		1	[REDACTED]	[REDACTED]
Pit Latrine		2	[REDACTED]	[REDACTED]
Fence		1	[REDACTED]	[REDACTED]
Subtotal				[REDACTED]
5% Disturbance Allowance of Government Valuation				[REDACTED]
Allowances - Disturbance Allowance Not Applicable				
Allowances				
Accommodation Allowance	Month	36	[REDACTED]	[REDACTED]
Transportation Allowance			[REDACTED]	[REDACTED]
Subtotal A				[REDACTED]

Procesos Adicionales

Reubicación de Sepulturas

Compensación por Daños



Gestión de Reubicación de Sepulturas

- Negociadores especializados que se ocupan de:
 - Sepultura individual
 - Cementerios Familiares
- La gama de opciones disponibles de:
 - Compensación Pago por tumba de acuerdo a una tarifa de gobierno
 - Mueva la sepultura (s) a un nuevo sitio (pago de exhumación, nuevo ataúd, nueva ceremonia de re-entierro, gastos funerarios, etc.)
- Cuestiones de carácter altamente sensible pueden surgir particularmente alrededor:
 - Cementerios familiares
 - Cuando la nueva tumba se encuentra inapropiado
 - Cuestiones religiosas

Compensación por Daños

Los daños resultantes de reclamacion

- Voladura
- Relaves
- Perforación
- Vehículos
- Otros



Shape Change Details

NEW SHAPE | OLD SHAPE

Shape Area
Official Area: 0.05 Hectare
Calculated Area: 0.05 Hectare
Define shape dynamically:
Coordinate System: GCS_Aus06
View coordinates in: DMS DD

Shape Parts
Edit, Del, Part
Part 1

Add coordinate to part

Order	Deg	Min	Sec	Longitude	Deg	Min	Sec
11							

Part Coordinates: Unit: Degree

Order	Lat Deg	Lat Min	Lat Sec	N/S	Long Deg	Long Min	Long Sec	E/W
1	5	26	20.12	S	143	13	21.76	E

Show preview map

Created By: >Schedule: Payment action

Payment Details

Direction: Outgoing
Paid By: Peter Lape
Paid To: Peter Lape
Payment Period: From: To:
Include Tax Information:

Account:
Account:

General | Items

There are 7 Payment Items in the list.

Del.	Edit	Description	Quantities	Value
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Commercial Crops	14.00 (Amount)	14.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other Commonly Used Plants & Trees	480.00 (Amount)	480.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Edible Plants	0.00 (Amount)	0.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forest Trees	0.00 (Amount)	0.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Man Made Structures	450.00000000 (Amount)	450.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grave & Other Sites	0.00 (Amount)	0.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Per Hectare Valuations	0.00 (Amount)	0.00
		Total		944.00

Seguimiento de Quejas

- Enlace quejas a los registros históricos de compensación de tierras
- Puntos espaciales para identificar tendencias
- Incorpora Transparencia y Presentación de Informes

“De Todas las empresas mineras, ahora más que nunca, se cobran con las 'Licencias para Operar' y temas de “Responsabilidad Social” !! “

Barrick Gold Corporate Director of Lands



Demo





flexicadastre

Governance - Risk - Compliance

Preguntas??

*2ª LARUC - FlexiCadastre
Conferencia Regional de Usuarios Latinoamérica*

Lima, Septiembre 3 y 4, 2015

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