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Explanation	
	Exploration Boreholes
	Waterways
	Coal #9 Structure Contours
	Sea Level Elevation Datum
	Strike, Dip in Degrees
	Original Planned Mining Panel
	Linhua Mining Area Boundary
	Anticline
	Syncline
	Normal Fault - Balls on Hanging Wall
	Inferred Extension of Geologic Structure
	Reverse Fault - Teeth on Hanging Wall
	Quaternary Deposits
	Lower Triassic Maocapu Formation
	Lower Triassic Yelang Formation 1+2
	Lower Triassic Yelang Formation
	Undifferentiated
	Upper Permian Longtan Formation
	Lower Permian Maokou Formation

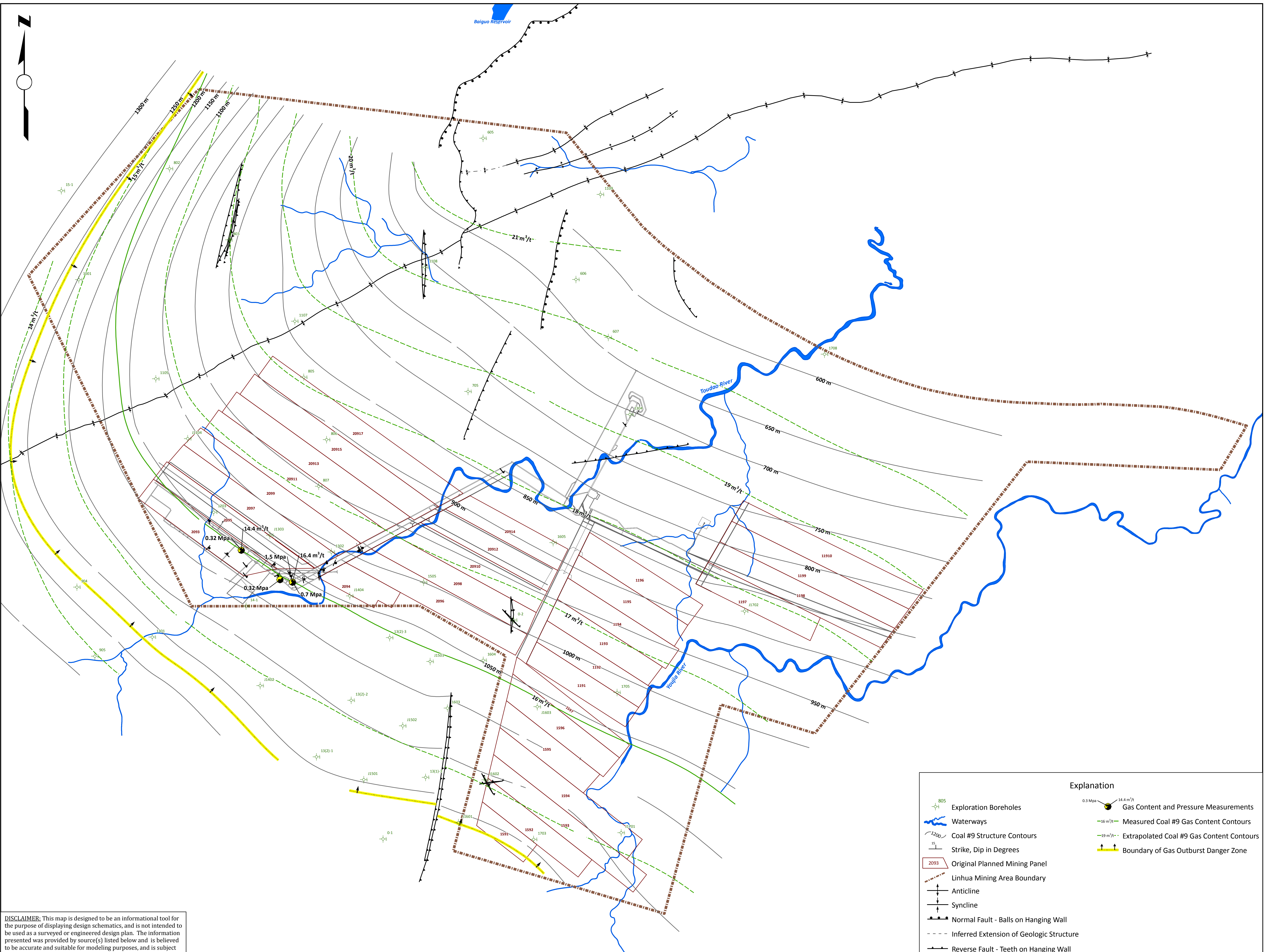
Project Name: Linhua Feasibility Study EPA	
Map Document: Geologic Map.mxd	
Drawn By: Candice L.M. Tellio	Date: July 30, 2010
Approved By: Raymond C. Pilcher	Date: November 30, 2010
Source: Lin Hua Mining Co., Ltd. Guizhou	Date: August 2009
Current Revision No.: 1	Date: November 30, 2010
Revised By: Candice L.M. Tellio	



### Map 1: Geology

SCALE 1:10,000  
 0 100 200 400 600 800 1,000 Meters  
 WGS 1984, UTM ZONE 48N





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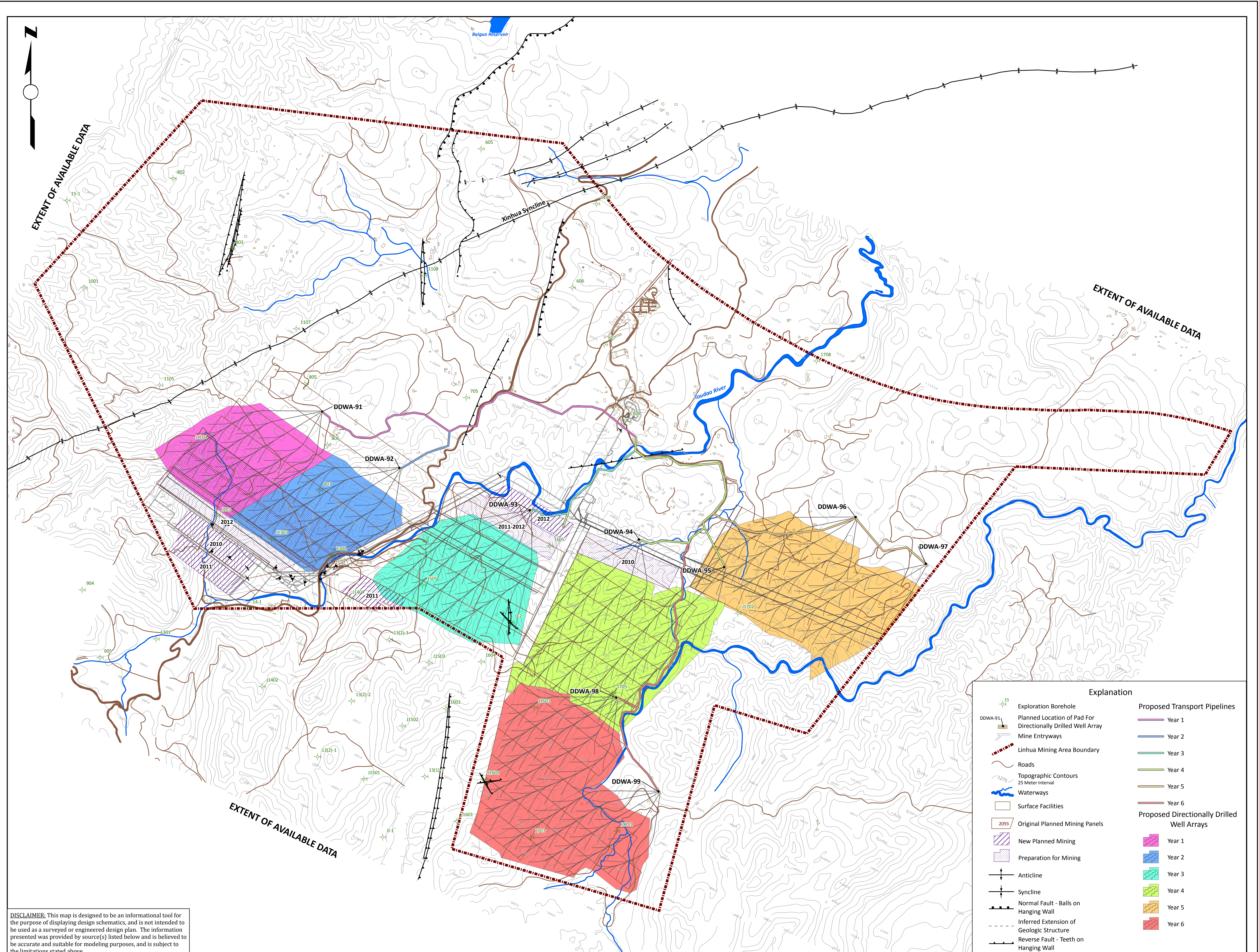
Project Name: Linhua Feasibility Study EPA	
Map Document: Gas Content Map.mxd	
Drawn By: Candice L.M. Tellio	Date: July 30, 2010
Approved By: Raymond C. Pilcher	Date: November 30, 2010
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- Explanation**
- Exploration Boreholes
  - Waterways
  - Coal #9 Structure Contours
  - Strike, Dip in Degrees
  - Original Planned Mining Panel
  - Linhua Mining Area Boundary
  - Anticline
  - Syncline
  - Normal Fault - Balls on Hanging Wall
  - Inferred Extension of Geologic Structure
  - Reverse Fault - Teeth on Hanging Wall
  - Gas Content and Pressure Measurements
  - Measured Coal #9 Gas Content Contours
  - Extrapolated Coal #9 Gas Content Contours
  - Boundary of Gas Outburst Danger Zone

**Map 2: Gas Content**  
SCALE 1:10,000  
0 250 500 1,000 Meters  
WGS 1984, UTM ZONE 48N





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Project Name: Linhua Feasibility Study EPA	
Map Document: Facilities Map coal 9.mxd	
Drawn By: Candice L.M. Tello	Date: October 29, 2010
Approved By: Raymond C. Pilcher	Date: November 30, 2010
Source: Lin Hua Mining Co., Ltd. Guizhou	Date: August 2009
Current Revision No.: 1	Date: November 30, 2010
Revised By: Candice L.M. Tello	



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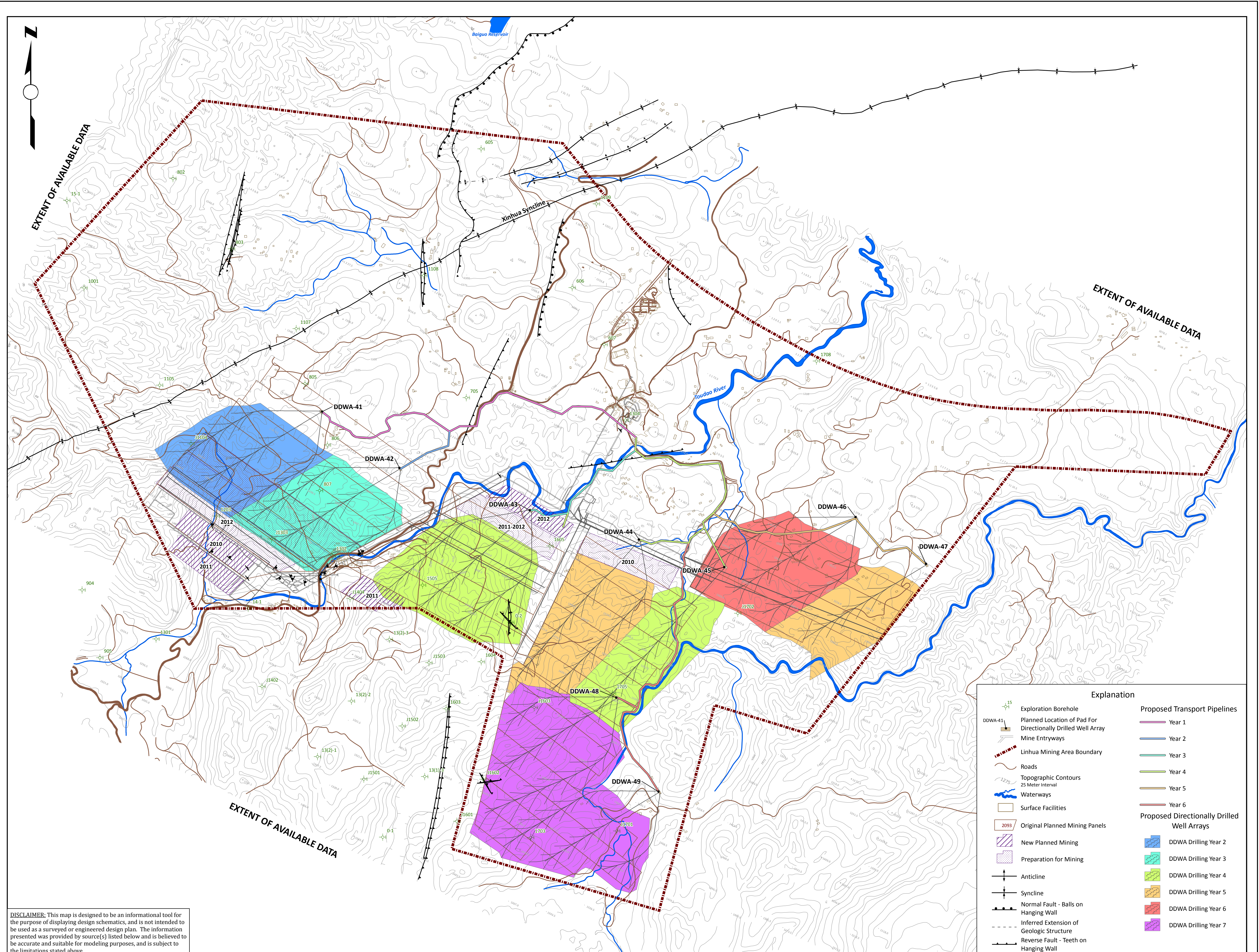


**Map 3A: Schematic Drilling Layout of Coal 9**

SCALE 1:10,000  
0 100 200 400 600 800 1,000 Meters  
WGS 1984, UTM ZONE 48N

Explanation	
	Exploration Borehole
	Planned Location of Pad For Directionally Drilled Well Array
	Mine Entryways
	Linhua Mining Area Boundary
	Roads
	Topographic Contours 25 Meter Interval
	Waterways
	Surface Facilities
	Original Planned Mining Panels
	New Planned Mining
	Preparation for Mining
	Anticline
	Syncline
	Normal Fault - Balls on Hanging Wall
	Inferred Extension of Geologic Structure
	Reverse Fault - Teeth on Hanging Wall
	Proposed Transport Pipelines Year 1
	Year 2
	Year 3
	Year 4
	Year 5
	Year 6
	Proposed Directionally Drilled Well Arrays Year 1
	Year 2
	Year 3
	Year 4
	Year 5
	Year 6





Explanation	
	Exploration Borehole
	Planned Location of Pad For Directionally Drilled Well Array
	Mine Entryways
	Linhua Mining Area Boundary
	Roads
	Topographic Contours 25 Meter Interval
	Waterways
	Surface Facilities
	Original Planned Mining Panels 2009
	New Planned Mining
	Preparation for Mining
	Anticline
	Syncline
	Normal Fault - Balls on Hanging Wall
	Inferred Extension of Geologic Structure
	Reverse Fault - Teeth on Hanging Wall
	Proposed Transport Pipelines Year 1
	Proposed Transport Pipelines Year 2
	Proposed Transport Pipelines Year 3
	Proposed Transport Pipelines Year 4
	Proposed Transport Pipelines Year 5
	Proposed Transport Pipelines Year 6
	Proposed Directionally Drilled Well Arrays DDWA Drilling Year 2
	DDWA Drilling Year 3
	DDWA Drilling Year 4
	DDWA Drilling Year 5
	DDWA Drilling Year 6
	DDWA Drilling Year 7

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Project Name: Linhua Feasibility Study EPA	
Map Document: Facilities Map coal 4.mxd	
Drawn By: Candice L.M. Tellio	Date: October 29, 2010
Approved By: Raymond C. Pilcher	Date: November 30, 2010
Source: Lin Hua Mining Co., Ltd. Guizhou	Date: August 2009
Current Revision No.: 1	Date: November 30, 2010
Revised By: Candice L.M. Tellio	



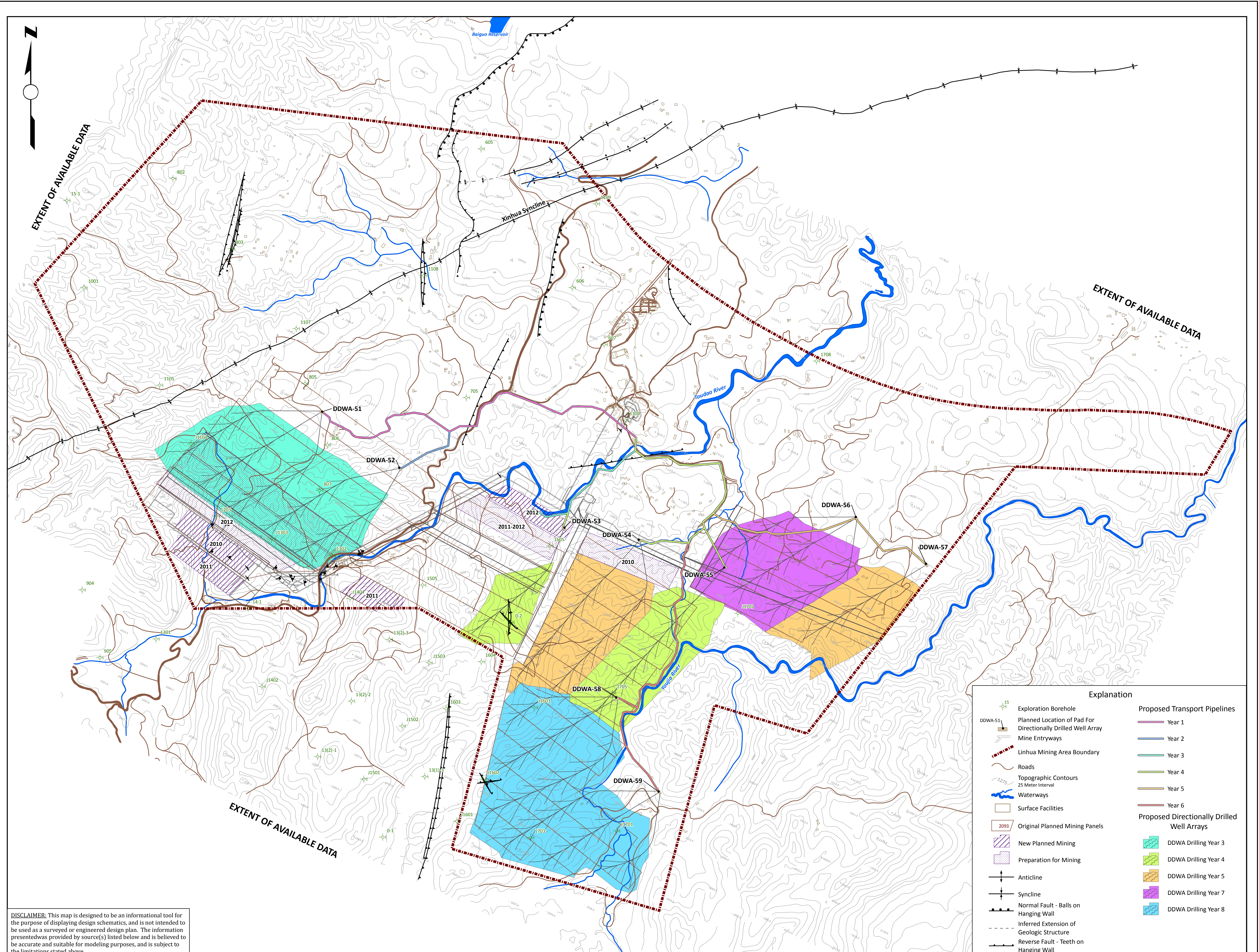
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**Map 3B: Schematic Drilling Layout of Coal 4**

SCALE 1:10,000  
0 100 200 400 600 800 1,000 Meters  
WGS 1984, UTM ZONE 48N





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Project Name: Linhua Feasibility Study EPA	
Map Document: Facilities Map coal 5.mxd	
Drawn By: Candice L.M. Tello	Date: October 29, 2010
Approved By: Raymond C. Pilcher	Date: November 30, 2010
Source: Lin Hua Mining Co., Ltd. Guizhou	Date: August 2009
Current Revision No.: 1	Date: November 30, 2010
Revised By: Candice L.M. Tello	

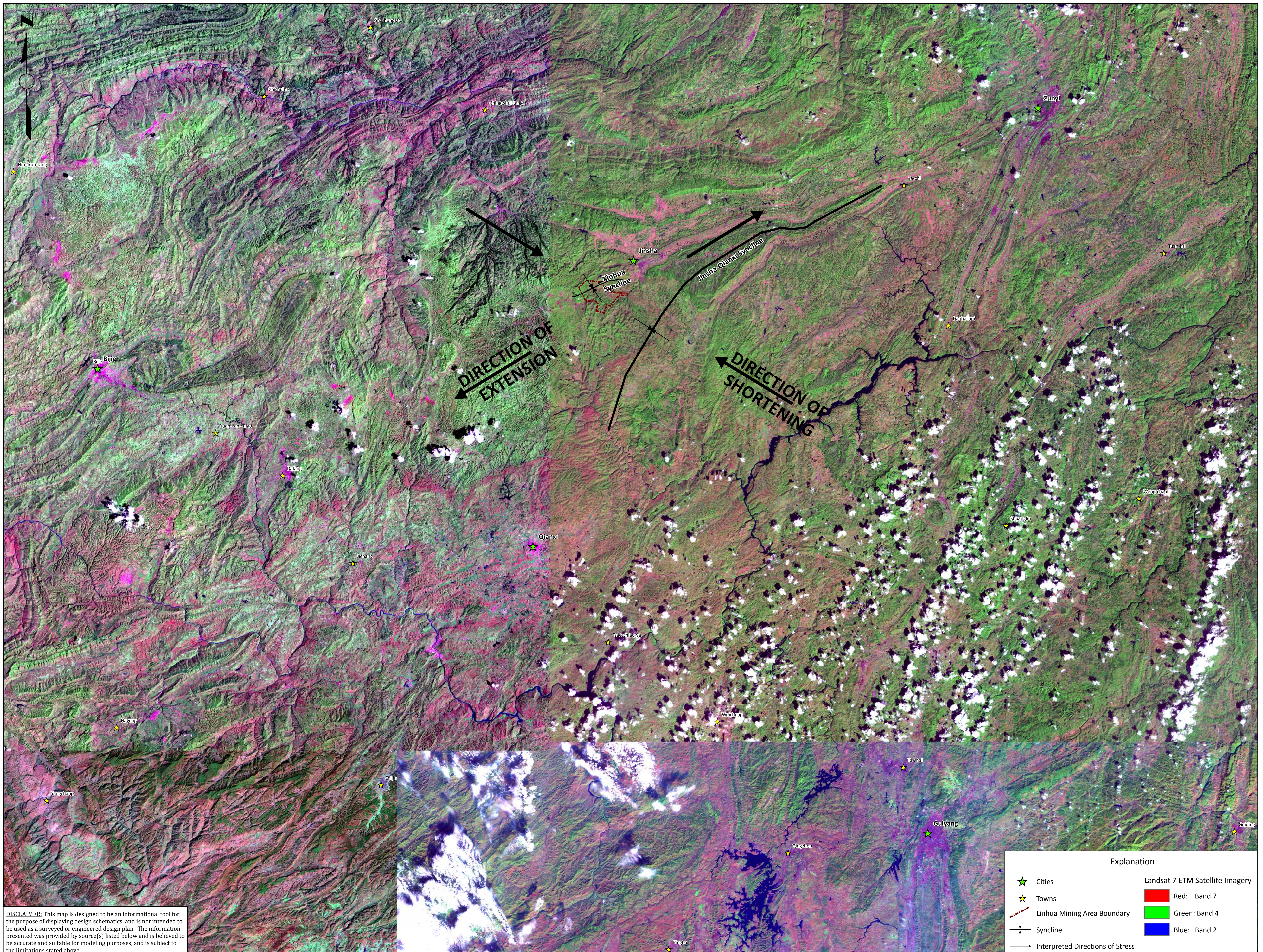


### Map 3C: Schematic Drilling Layout of Coal 5

SCALE 1:10,000  
 0 100 200 400 600 800 1,000 Meters  
 WGS 1984, UTM ZONE 48N

Explanation	
	Exploration Borehole
	Planned Location of Pad For Directionally Drilled Well Array
	Mine Entryways
	Linhua Mining Area Boundary
	Roads
	Topographic Contours 25 Meter Interval
	Waterways
	Surface Facilities
	Original Planned Mining Panels
	New Planned Mining
	Preparation for Mining
	Anticline
	Syncline
	Normal Fault - Balls on Hanging Wall
	Inferred Extension of Geologic Structure
	Reverse Fault - Teeth on Hanging Wall
	Proposed Transport Pipelines Year 1
	Proposed Transport Pipelines Year 2
	Proposed Transport Pipelines Year 3
	Proposed Transport Pipelines Year 4
	Proposed Transport Pipelines Year 5
	Proposed Transport Pipelines Year 6
	Proposed Directionally Drilled Well Arrays DDWA Drilling Year 3
	Proposed Directionally Drilled Well Arrays DDWA Drilling Year 4
	Proposed Directionally Drilled Well Arrays DDWA Drilling Year 5
	Proposed Directionally Drilled Well Arrays DDWA Drilling Year 7
	Proposed Directionally Drilled Well Arrays DDWA Drilling Year 8





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Explanation	
	Cities
	Towns
	Linhua Mining Area Boundary
	Syncline
	Interpreted Directions of Stress
	Landsat 7 ETM Satellite Imagery Red: Band 7
	Green: Band 4
	Blue: Band 2

Project Name: Linhua Feasibility Study EPA	
Map Document: Regional Imagery.mxd	
Drawn By: Candice L.M. Tello	Date: August 5, 2010
Approved By: Raymond C. Pilcher	Date: November 30, 2010
Source: Satellite imagery from the Earth Resources Observation and Science (EROS) Center	
Current Revision No.: Original	Date: November 30, 2010
Revised By: N/A	



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Map 4: Satellite Imagery with Interpreted Directions of Stress and Major Structural Elements

