

Q28 - What is the justification for the Aspect Area boundaries?

- Break of slope adjacent to main valley systems and base of mounds at margins of main drumlin field.

## Evaluation Matrix

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Q29 - Evaluation Criteria: Research Value

- High
  - Includes SSSIs mainly for bedrock geology, but relatively small areas only notified. Forms a major part of the important Anglesey drumlin field.

Q29a - Evaluation Criteria: Educational Value

- High
  - Includes key SSSIs for bedrock geology and forms a major part of the important Anglesey drumlin field.

Q30 - Evaluation Criteria: Historical Value

- Moderate
  - Includes key SSSIs mainly for bedrock geology, but relatively small areas only notified.

Q31 - Evaluation Criteria: Rarity / Uniqueness

- High
  - Includes key SSSIs mainly for bedrock geology and forms a major part of the important Anglesey drumlin field.

Q32 - Evaluation Criteria: Classic Example

- High
  - Includes key SSSIs mainly for bedrock geology and forms a major part of the important Anglesey drumlin field.

Q33 - Evaluation Criteria: Overall Evaluation

- High
  - Includes key SSSIs mainly for bedrock geology and forms a major part of the important Anglesey drumlin field.

Q34 - Justification of overall evaluation

- Includes key SSSIs mainly for bedrock geology and forms a major part of the important Anglesey drumlin field.

## Bibliography

---

Q35 - List the key sources used for this assessment

- BASSETT, D.A. 1974, Geological Society of London, Special Report, 14-42; BATES, D.E.B. 1972, Geological Journal 8: 19-58; BATES, D.E.B. & DAVIES, J.R. 1982, Geologist's Association Guide 40; CAMPBELL, S. & BOWEN, D.Q. 1989. Geological Conservation Review, Quaternary of Wales; CARNEY, et al. 2000. Geological Conservation Review Series 20; GIBBONS, W. et al. 1994, Geological Society of London, Special Report 22, 75-84; GREENLY, E. 1919, Memoir of the Geological Survey of Great Britain, 78; INSTITUTE OF GEOLOGICAL SCIENCES 1974. Anglesey, 1:50,000 Special Sheet, Geological Survey of Great Britain; ORDANCE SURVEY 2005a, Ordnance Survey Explorer Map 263 (1:25, 000); ORDANCE SURVEY 2005b, Ordnance Survey Explorer Map 262 (1:25, 000); RUSHTON, A.W.A. et al. 1999, Geological Conservation Review Series 18; [www.geomon.org.uk](http://www.geomon.org.uk).

## Assessment

---

Q36 - Additional Assessments

- None.

## Q37 - Additional Comments

- Additional Level 4 features include: Stream; Disused quarry; Natural crags and inland outcrops; Marsh/bog/fen.

# SURVEY DETAILS FOR YNSMNGL004 - 2024-04-25

Area Unique ID: YNSMNGL004

Aspect: Geological Landscape

Area: Llaneilian-Bodgadfa

Region: Anglesey

Survey Date: 2006-11-24

- Level 1: Lowland hills and valleys
- Level 2: Lowland river and drainage systems
- Level 3: Other

## Monitoring

---

Q1 - Date of monitoring?

- No Answer

Q1a - Monitoring undertaken by

- No Answer

Q1b - Has this record been updated following monitoring work?

- No Answer

Q1c - Change indicated by

- No Answer

Q1d - What has changed?

- No Answer

Q1e - Has the information ever been verified in the field?

- Yes
  - Field traverse.

Q2 - Does this area have a special or functional link with an adjacent area?

- No

## Description

---

Q3 - If Classification is "Other", specify here

- Alluvial basin/former lake

Q4 - What is the geographical and topographical character of this area?

- Complex of drift-filled depressions and valleys developed mainly between metamorphic rocks outcrop-dominated areas to the north (Amlwch Aspect Area) and the major drumlin-field to the south (Llanfechel Aspect Area). Includes the broad coastal valley of Llaneilian. Till, alluvium, etc present. (Quaternary: ?Pleistocene-Holocene).

Q4a - Where bedrock dominated, what is the dominant bedrock type?

- No Answer

Q4b - Where bedrock dominated, what is the age that characterises the aspect area?

- No Answer

Q4c - Where bedrock dominated, what is the major rock lithology (-ies)?

- No Answer

Q4d - Where drift dominated, what is the dominant drift deposit?

- Alluvial

Q4e - Where drift dominated, what is the major sediment that characterises the area?

- Other

Q5 - What is the characteristic Level 3 component of the area?

- Other
  - Alluvial basin/former lake

Q6 - Which of the following is a significant contributor to the geological character of the area?

- Stratigraphic formation(s)
  - Very minor Monian Supergroup (including New Harbour Group) in west [Cambrian].
- Superficial deposits
  - Till [Quaternary: Pleistocene (Devensian)] and alluvium dominated [Quaternary: Recent (Holocene)].
- Active processes
- Past processes
  - Glacial.

Q7 - What additional subsidiary Level 3 components are notable?

- No Answer

Q8 - What Level 4 components are notable in this area?

- Lake / reservoir (artificial)
- Urban / industrial development

Q9 - What active geological and geomorphological processes are significant in this area?

- Stream, mire.
- Empty value

Q10 - Are there components of significant hydrological importance?

- Yes
  - Stream, mire.

Q11 - Are there any pedological processes that are significant in the area or have had a landscape forming effect?

- Yes
  - Valley mire.

Q12 - Is there current mineral extraction?

- No

Q13 - Has there been mineral extraction in the past?

- Not known

Q14 - Are there SSSI/GCR sites here?

- No

Q15 - Are there geological SINC, 2nd tier, or RIGS sites in the area?

- No

## Evaluation

---

Q16 - Value

- Moderate
  - Typical landscape of geomorphological feature and deposits. No notable sites recorded.

Q17 - Condition

- Good
  - Dominantly rural area with no significant development.

Q18 - Trend

- Constant
  - Dominantly rural area with no significant development.

## Recommendations

---

Q19 - Existing management

- Generally Appropriate

Q20 - Existing management remarks:

- Dominantly rural area with no significant development.

Q21 - Principal management recommendations

- Ensure that no significant geological or geomorphological features are lost or damaged (e.g. due to development).

Q22 - Guideline

- Long Term
  - Ensure that no significant geological or geomorphological features are lost or damaged (e.g. due to development).

## Tolerance To Change

---

Q23 - Are there any significant threats to the current integrity and condition of the Earth Heritage features of the area?

- No

# Aspect Area Boundary

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Q24 - To what level was this information site-surveyed?

- Level 3

Q25 - At 1:10,000, how much of the Aspect Area boundary is precise?

- Most
  - Aspect Area boundaries surveyed at 1:10,000, mapped at 1:25,000.

Q26 - What baseline information source was used for Aspect Area boundary mapping?

- Other
  - British Geological Survey maps, aerial photographs, OS 1:25,000 Landranger topographical map.

Q27 - If OS Data was used, what was the scale?

- 1:25,000

Q28 - What is the justification for the Aspect Area boundaries?

- Break of slope at edge of solid geology massifs / valley system and edge of drumlin field.

## Evaluation Matrix

---

Q29 - Evaluation Criteria: Research Value

- Moderate
  - Typical landscape of geomorphological feature and deposits. No notable sites recorded.

Q29a - Evaluation Criteria: Educational Value

- Low
  - No notable sites recorded.

Q30 - Evaluation Criteria: Historical Value

- Low
  - No notable sites recorded.

Q31 - Evaluation Criteria: Rarity / Uniqueness

- Moderate
  - Typical landscape of geomorphological feature and deposits. No notable sites recorded.

Q32 - Evaluation Criteria: Classic Example

- Moderate
  - No notable sites recorded.

Q33 - Evaluation Criteria: Overall Evaluation

- Moderate
  - Typical landscape of geomorphological feature and deposits. No notable sites recorded.

Q34 - Justification of overall evaluation

- Typical landscape of geomorphological feature and deposits. No notable sites recorded.

# Bibliography

---

Q35 - List the key sources used for this assessment

- BATES, D.E.B. & DAVIES, J.R. 1982, Geologist's Association Guide 40; CAMPBELL, S. & BOWEN, D.Q. 1989. Geological Conservation Review, Quaternary of Wales; CARNEY, et al. 2000. Geological Conservation Review Series 20; COSSEY, P.J. et al. 2004, Geological Conservation Review Series 29; GIBBONS, W. et al. 1994, Geological Society of London, Special Report 22, 75-84; GREENLY, E. 1919, Memoir of the Geological Survey of Great Britain, 78; INSTITUTE OF GEOLOGICAL SCIENCES 1974. Anglesey, 1:50,000 Special Sheet, Geological Survey of Great Britain; ORDNANCE SURVEY 2005a, Ordnance Survey Explorer Map 263 (1:25, 000); ORDNANCE SURVEY 2005b, Ordnance Survey Explorer Map 262 (1:25, 000); [www.geomon.org.uk](http://www.geomon.org.uk).

## Assessment

---

Q36 - Additional Assessments

- None

Q37 - Additional Comments

- Additional Level 4 features include: Stream; Natural crags and inland outcrops; Marsh/bog/fen.

# SURVEY DETAILS FOR YNSMNGL005 - 2024-04-25

Area Unique ID: YNSMNGL005

Aspect: Geological Landscape

Area: Amlwch

Region: Anglesey

Survey Date: 2006-11-24

- Level 1: Lowland hills and valleys
- Level 2: Undulating lowland hill terrain
- Level 3: Other

## Monitoring

---

Q1 - Date of monitoring?

- No Answer

Q1a - Monitoring undertaken by

- No Answer

Q1b - Has this record been updated following monitoring work?

- No Answer

Q1c - Change indicated by

- No Answer

Q1d - What has changed?

- No Answer

Q1e - Has the information ever been verified in the field?

- Yes
  - Field traverse.

Q2 - Does this area have a special or functional link with an adjacent area?

- No

## Description

---

Q3 - If Classification is "Other", specify here

- Rock platform/ outcrop

Q4 - What is the geographical and topographical character of this area?

- Extensive coastal platform dominated by dense, craggy outcrops of Monian Supergroup metamorphic rocks (Cambrian). Includes the developed area of Amlwch.



Q4a - Where bedrock dominated, what is the dominant bedrock type?

- Metamorphic

Q4b - Where bedrock dominated, what is the age that characterises the aspect area?

- Cambrian

Q4c - Where bedrock dominated, what is the major rock lithology (-ies)?

- Other

Q4d - Where drift dominated, what is the dominant drift deposit?

- No Answer

Q4e - Where drift dominated, what is the major sediment that characterises the area?

- No Answer

Q5 - What is the characteristic Level 3 component of the area?

- Other
  - Rock platform/ outcrop.

Q6 - Which of the following is a significant contributor to the geological character of the area?

- Stratigraphic formation(s)
  - Monian Supergroup (mainly New Harbour Group in east and Gwna Group (Skerries "Group" character) in west [Cambrian]).
- Superficial deposits
  - Minor till [Quaternary: Pleistocene (Devensian)].
- Active processes
  - Stream, spring.
- Past processes
  - Glacial.

Q7 - What additional subsidiary Level 3 components are notable?

- No Answer

Q8 - What Level 4 components are notable in this area?

- Lake / reservoir (artificial)
- Spring
- Urban / industrial development

Q9 - What active geological and geomorphological processes are significant in this area?

- Stream, spring.
- Empty value

Q10 - Are there components of significant hydrological importance?

- Yes
  - Stream.

Q11 - Are there any pedological processes that are significant in the area or have had a landscape forming effect?

- Yes
  - Mire/bog.

Q12 - Is there current mineral extraction?

- No

Q13 - Has there been mineral extraction in the past?

- Not known

Q14 - Are there SSSI/GCR sites here?

- No

Q15 - Are there geological SINCS, 2nd tier, or RIGS sites in the area?

- No

## Evaluation

---

Q16 - Value

- Moderate
  - No notable sites recorded and geology presumed to be widespread.

Q17 - Condition

- Good
  - Dominantly rural area with significant development only locally.

Q18 - Trend

- Constant
  - Dominantly rural area with significant development only locally.

## Recommendations

---

Q19 - Existing management

- Generally Appropriate

Q20 - Existing management remarks:

- Dominantly rural area with significant development only locally.

Q21 - Principal management recommendations

- Ensure that no significant geological or geomorphological features are lost or damaged (e.g. due to development).

Q22 - Guideline

- Long Term
  - Ensure that no significant geological or geomorphological features are lost or damaged (e.g. due to development).

# Tolerance To Change

---

Q23 - Are there any significant threats to the current integrity and condition of the Earth Heritage features of the area?

- Yes
  - Expansion of Amlwch has the potential to damage features. Prior survey is necessary to ensure that no significant geological or geomorphological features are lost or damaged (e.g. due to development).

## Aspect Area Boundary

---

Q24 - To what level was this information site-surveyed?

- Level 3

Q25 - At 1:10,000, how much of the Aspect Area boundary is precise?

- Most
  - Aspect Area boundaries surveyed at 1:10,000, mapped at 1:25,000.

Q26 - What baseline information source was used for Aspect Area boundary mapping?

- Other
  - British Geological Survey maps, aerial photographs, OS 1:25,000 Landranger topographical map.

Q27 - If OS Data was used, what was the scale?

- 1:25,000

Q28 - What is the justification for the Aspect Area boundaries?

- Break of slope at base of solid geology massif / edge of area of dense rock exposure.

## Evaluation Matrix

---

Q29 - Evaluation Criteria: Research Value

- Moderate
  - No notable sites recorded and geology presumed to be widespread.

Q29a - Evaluation Criteria: Educational Value

- Low
  - No notable sites recorded and geology presumed to be widespread.

Q30 - Evaluation Criteria: Historical Value

- Low
  - No notable sites recorded and geology presumed to be widespread.

Q31 - Evaluation Criteria: Rarity / Uniqueness

- Low
  - No notable sites recorded and geology presumed to be widespread.

#### Q32 - Evaluation Criteria: Classic Example

- Low
  - No notable sites recorded and geology presumed to be widespread.

#### Q33 - Evaluation Criteria: Overall Evaluation

- Moderate
  - No notable sites recorded and geology presumed to be widespread.

#### Q34 - Justification of overall evaluation

- No notable sites recorded and geology presumed to be widespread.

## Bibliography

---

#### Q35 - List the key sources used for this assessment

- BATES, D.E.B. & DAVIES, J.R. 1982, Geologist's Association Guide 40; CARNEY, et al. 2000. Geological Conservation Review Series 20; GIBBONS, W. et al. 1994, Geological Society of London, Special Report 22, 75-84; GREENLY, E. 1919, Memoir of the Geological Survey of Great Britain, 78; INSTITUTE OF GEOLOGICAL SCIENCES 1974. Anglesey, 1:50,000 Special Sheet, Geological Survey of Great Britain; ORDNANCE SURVEY 2005a, Ordnance Survey Explorer Map 263 (1:25, 000); ORDNANCE SURVEY 2005b, Ordnance Survey Explorer Map 262 (1:25, 000); [www.geomon.org.uk](http://www.geomon.org.uk).

## Assessment

---

#### Q36 - Additional Assessments

- None.

#### Q37 - Additional Comments

- Additional Level 4 features include: Stream; Natural crags and inland outcrops; Marsh/bog/fen.

# SURVEY DETAILS FOR YNSMNGL009 - 2024-04-25

Area Unique ID: YNSMNGL009

Aspect: Geological Landscape

Area: Mynydd Mechel

Region: Anglesey

Survey Date: 2006-11-24

- Level 1: Lowland hills and valleys
- Level 2: Undulating lowland hill terrain
- Level 3: Other

## Monitoring

---

Q1 - Date of monitoring?

- No Answer

Q1a - Monitoring undertaken by

- No Answer

Q1b - Has this record been updated following monitoring work?

- No Answer

Q1c - Change indicated by

- No Answer

Q1d - What has changed?

- No Answer

Q1e - Has the information ever been verified in the field?

- No

Q2 - Does this area have a special or functional link with an adjacent area?

- Yes
  - Forms part of a low east-west arcuate ridge related to the presence of the Caledonian, Carmel Thrust System [includes Parys Mountain (YNSMNGL1), Mynydd Eilean (YNSMNGL3), Mynydd Mechel (YNSMNGL9), Mynydd y Garn (YNSMNGL11), Llanrhyddiad (YNSMNGL15) and Rhosgoch (YNSMNGL16)].

## Description

---

Q3 - If Classification is "Other", specify here

- Rock platform/ outcrop.

Q4 - What is the geographical and topographical character of this area?

- Large rocky platform with distinctive "etched" appearance characterised by crags, bluffs and low knolls of Monian Supergroup metamorphic and igneous rocks (Cambrian). Depressions between outcrops drift-filled.

Q4a - Where bedrock dominated, what is the dominant bedrock type?

- Metamorphic

Q4b - Where bedrock dominated, what is the age that characterises the aspect area?

- Cambrian

Q4c - Where bedrock dominated, what is the major rock lithology (-ies)?

- Other

Q4d - Where drift dominated, what is the dominant drift deposit?

- No Answer

Q4e - Where drift dominated, what is the major sediment that characterises the area?

- No Answer

Q5 - What is the characteristic Level 3 component of the area?

- Other
  - Rock platform/ outcrop

Q6 - Which of the following is a significant contributor to the geological character of the area?

- Stratigraphic formation(s)
  - Monian Supergroup (including New Harbour Group and South Stack Group with NW-SE trending igneous dyke swarm [Cambrian]).
- Superficial deposits
  - Minor till [Quaternary: Pleistocene (Devensian)] and probable mire [Quaternary: Recent (Holocene)].
- Active processes
  - Stream, lake, mire/bog, spring.
- Past processes
  - Glacial
- Structural features
  - Area forms part of low ridge associated with line of Carmel Head Thrust.

Q7 - What additional subsidiary Level 3 components are notable?

- No Answer

Q8 - What Level 4 components are notable in this area?

- Lagoon/lake/pool (natural)
- Spring

Q9 - What active geological and geomorphological processes are significant in this area?

- Stream, lake, mire/bog, spring.
- Empty value

Q10 - Are there components of significant hydrological importance?

- Yes
  - Stream, lake, mire/bog, spring.

Q11 - Are there any pedological processes that are significant in the area or have had a landscape forming effect?

- Yes
  - Mire/bog.

Q12 - Is there current mineral extraction?

- No

Q13 - Has there been mineral extraction in the past?

- Yes
  - Probable use of Monian schist, etc for building/walling.

Q14 - Are there SSSI/GCR sites here?

- No

Q15 - Are there geological SINC, 2nd tier, or RIGS sites in the area?

- No

## Evaluation

---

Q16 - Value

- Moderate
  - Typical landscape of widespread geological unit. No notable sites recorded.

Q17 - Condition

- Good
  - Dominantly rural area with no significant development.

Q18 - Trend

- Constant
  - Dominantly rural area with no significant development.

## Recommendations

---

Q19 - Existing management

- Generally Appropriate

Q20 - Existing management remarks:

- Dominantly rural area with no significant development.

Q21 - Principal management recommendations

- Ensure that no significant geological or geomorphological features are lost or damaged (e.g. due to development).

Q22 - Guideline

- Long Term
  - Ensure that no significant geological or geomorphological features are lost or damaged (e.g. due to development).

# Tolerance To Change

---

Q23 - Are there any significant threats to the current integrity and condition of the Earth Heritage features of the area?

- No

## Aspect Area Boundary

---

Q24 - To what level was this information site-surveyed?

- Level 3

Q25 - At 1:10,000, how much of the Aspect Area boundary is precise?

- Most
  - Aspect Area boundaries surveyed at 1:10,000, mapped at 1:25,000.

Q26 - What baseline information source was used for Aspect Area boundary mapping?

- Other
  - British Geological Survey maps, aerial photographs, OS 1:25,000 Landranger topographical map.

Q27 - If OS Data was used, what was the scale?

- 1:25,000

Q28 - What is the justification for the Aspect Area boundaries?

- Break of slope at base of solid geology massif/ area of densely spaced rock exposures and junction with surrounding drift dominated areas.

## Evaluation Matrix

---

Q29 - Evaluation Criteria: Research Value

- Moderate
  - Typical landscape of widespread geological unit. No notable sites recorded.

Q29a - Evaluation Criteria: Educational Value

- Moderate
  - Typical landscape of widespread geological unit. No notable sites recorded.

Q30 - Evaluation Criteria: Historical Value

- Low
  - No notable sites recorded.

Q31 - Evaluation Criteria: Rarity / Uniqueness

- Moderate
  - Typical landscape of widespread geological unit. No notable sites recorded.

Q32 - Evaluation Criteria: Classic Example

- Low
  - Typical landscape of widespread geological unit.



#### Q33 - Evaluation Criteria: Overall Evaluation

- Moderate
  - Typical landscape of widespread geological unit. No notable sites recorded

#### Q34 - Justification of overall evaluation

- Typical landscape of widespread geological unit. No notable sites recorded

## Bibliography

---

#### Q35 - List the key sources used for this assessment

- BATES, D.E.B. & DAVIES, J.R. 1982, Geologist's Association Guide 40; CARNEY, et al. 2000. Geological Conservation Review Series 20; GIBBONS, W. et al. 1994, Geological Society of London, Special Report 22, 75-84; GREENLY, E. 1919, Memoir of the Geological Survey of Great Britain, 78; INSTITUTE OF GEOLOGICAL SCIENCES 1974. Anglesey, 1:50,000 Special Sheet, Geological Survey of Great Britain; ORDNANCE SURVEY 2005b, Ordnance Survey Explorer Map 262 (1:25, 000); [www.geomon.org.uk](http://www.geomon.org.uk).

## Assessment

---

#### Q36 - Additional Assessments

- None.

#### Q37 - Additional Comments

- Additional Level 4 features include: Stream; Natural crags and inland outcrops; Marsh/bog/fen.

# SURVEY DETAILS FOR YNSMNGL010 - 2024-04-25

Area Unique ID: YNSMNGL010

Aspect: Geological Landscape

Area: Afon Wgyr

Region: Anglesey

Survey Date: 2006-11-24

- Level 1: Lowland hills and valleys
- Level 2: Lowland river and drainage systems
- Level 3: Active lowland river-flood plain system

## Monitoring

---

Q1 - Date of monitoring?

- No Answer

Q1a - Monitoring undertaken by

- No Answer

Q1b - Has this record been updated following monitoring work?

- No Answer

Q1c - Change indicated by

- No Answer

Q1d - What has changed?

- No Answer

Q1e - Has the information ever been verified in the field?

- No

Q2 - Does this area have a special or functional link with an adjacent area?

- Yes
  - Drains part of the drumlin filed of YNSMNGL2.

## Description

---

Q3 - If Classification is "Other", specify here

- N/A.

Q4 - What is the geographical and topographical character of this area?

- River-stream complex (Quaternary: Recent ) with narrow flood plain linking inter-drumlin drainage basins and within Llanfechel Aspect Area. Ultimately flows broadly north by west to the the sea at Cemaes.

Q4a - Where bedrock dominated, what is the dominant bedrock type?

- No Answer

Q4b - Where bedrock dominated, what is the age that characterises the aspect area?

- No Answer

Q4c - Where bedrock dominated, what is the major rock lithogy (-ies)?

- No Answer

Q4d - Where drift dominated, what is the dominant drift deposit?

- Fluvial

Q4e - Where drift dominated, what is the major sediment that characterises the area?

- Other

Q5 - What is the characteristic Level 3 component of the area?

- Active lowland river-flood plain system

Q6 - Which of the following is a significant contributor to the geological character of the area?

- Superficial deposits
  - Alluvium (fluvial), ?lake and mire deposits [Quaternary: Recent (Holocene)].
- Active processes
  - Fluvial

Q7 - What additional subsidiary Level 3 components are notable?

- No Answer

Q8 - What Level 4 components are notable in this area?

- River channel (natural)
- Flood plain
- Former lake (e.g. silted up)

Q9 - What active geological and geomorphological processes are significant in this area?

- Fluvial.
- Empty value

Q10 - Are there components of significant hydrological importance?

- Yes
  - Afon Wygyr.

Q11 - Are there any pedological processes that are significant in the area or have had a landscape forming effect?

- Yes
  - Valley mire?

Q12 - Is there current mineral extraction?

- No

Q13 - Has there been mineral extraction in the past?

- No

Q14 - Are there SSSI/GCR sites here?

- No

Q15 - Are there geological SINC, 2nd tier, or RIGS sites in the area?

- No

## Evaluation

---

Q16 - Value

- Moderate
  - Typical landscape of geomorphological feature and deposits. No notable sites recorded.

Q17 - Condition

- Good
  - Dominantly rural area with little significant development.

Q18 - Trend

- Constant
  - Dominantly rural area with little significant development.

## Recommendations

---

Q19 - Existing management

- Generally Appropriate

Q20 - Existing management remarks:

- Dominantly rural area with little significant development.

Q21 - Principal management recommendations

- Maintain natural evolving system, minimise future intervention and ensure that no significant geological or geomorphological features are lost or damaged.

Q22 - Guideline

- Long Term
  - Maintain natural evolving system, minimise future intervention and ensure that no significant geological or geomorphological features are lost or damaged.

## Tolerance To Change

---

Q23 - Are there any significant threats to the current integrity and condition of the Earth Heritage features of the area?

- Yes
  - Inappropriate development (e.g. reservoirs, industry, etc., around Cemaes) especially where key features related to the evolution of the valley complex are present (e.g. deposits, characteristic landforms, etc.). No such loss should be considered appropriate in terms of geological heritage management.

# Aspect Area Boundary

---

Q24 - To what level was this information site-surveyed?

- Level 2

Q25 - At 1:10,000, how much of the Aspect Area boundary is precise?

- Most
  - Aspect Area boundaries surveyed at 1:10,000, mapped at 1:25,000.

Q26 - What baseline information source was used for Aspect Area boundary mapping?

- Other
  - British Geological Survey maps, aerial photographs, OS 1:25,000 Landranger topographical map.

Q27 - If OS Data was used, what was the scale?

- 1:25,000

Q28 - What is the justification for the Aspect Area boundaries?

- Break of slope at edge river/floodplain/terrace system.

## Evaluation Matrix

---

Q29 - Evaluation Criteria: Research Value

- Moderate
  - Typical landscape of geomorphological feature and deposits. No notable sites recorded.

Q29a - Evaluation Criteria: Educational Value

- Low
  - No notable sites recorded.

Q30 - Evaluation Criteria: Historical Value

- Low
  - No notable sites recorded.

Q31 - Evaluation Criteria: Rarity / Uniqueness

- Moderate
  - Typical landscape of geomorphological feature and deposits.

Q32 - Evaluation Criteria: Classic Example

- Moderate
  - Typical landscape of geomorphological feature and deposits.

Q33 - Evaluation Criteria: Overall Evaluation

- Moderate
  - Typical landscape of geomorphological feature and deposits. No notable sites recorded.

Q34 - Justification of overall evaluation

- Typical landscape of geomorphological feature and deposits. No notable sites recorded.

# Bibliography

---

Q35 - List the key sources used for this assessment

- BATES, D.E.B. & DAVIES, J.R. 1982, Geologist's Association Guide 40; GREENLY, E. 1919, Memoir of the Geological Survey of Great Britain, 78; INSTITUTE OF GEOLOGICAL SCIENCES 1974. Anglesey, 1:50,000 Special Sheet, Geological Survey of Great Britain; ORDNANCE SURVEY 2005b, Ordnance Survey Explorer Map 262 (1:25, 000); [www.geomon.org.uk](http://www.geomon.org.uk).

# Assessment

---

Q36 - Additional Assessments

- None.

Q37 - Additional Comments

- Additional Level 4 features include: Stream; Meander; Marsh/bog/fen.