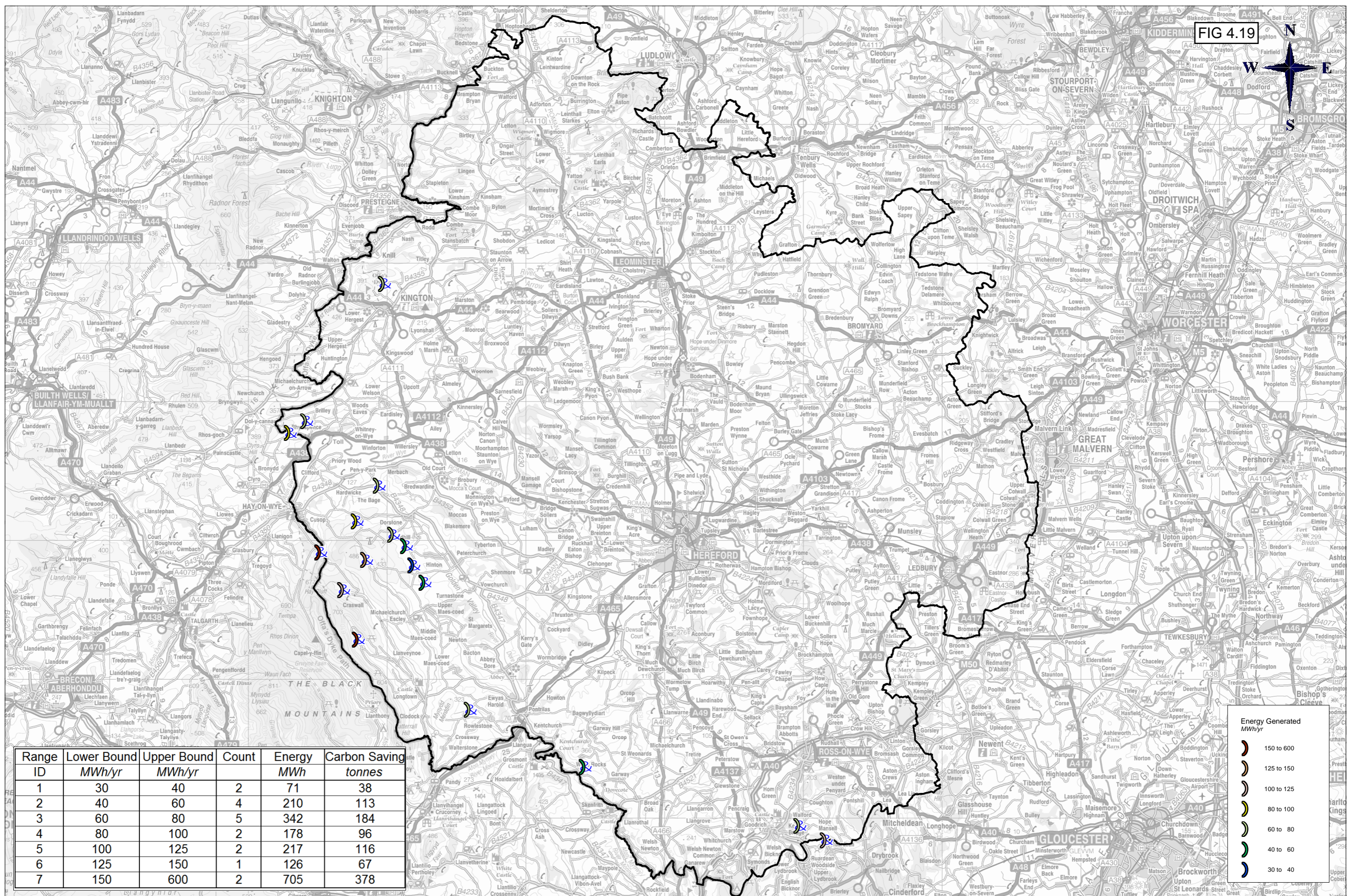


FIG 4.19



Scale: 1: 250000 @ A3

Client: **wardell armstrong** and **Herefordshire Council**

Wardell Armstrong International
Wheat Jane, Balduh, Truro, Cornwall, TR3 6EH

Tel: +44 (0) 1872 560738
Fax: +44 (0) 1872 561079
w@wardell-armstrong.com

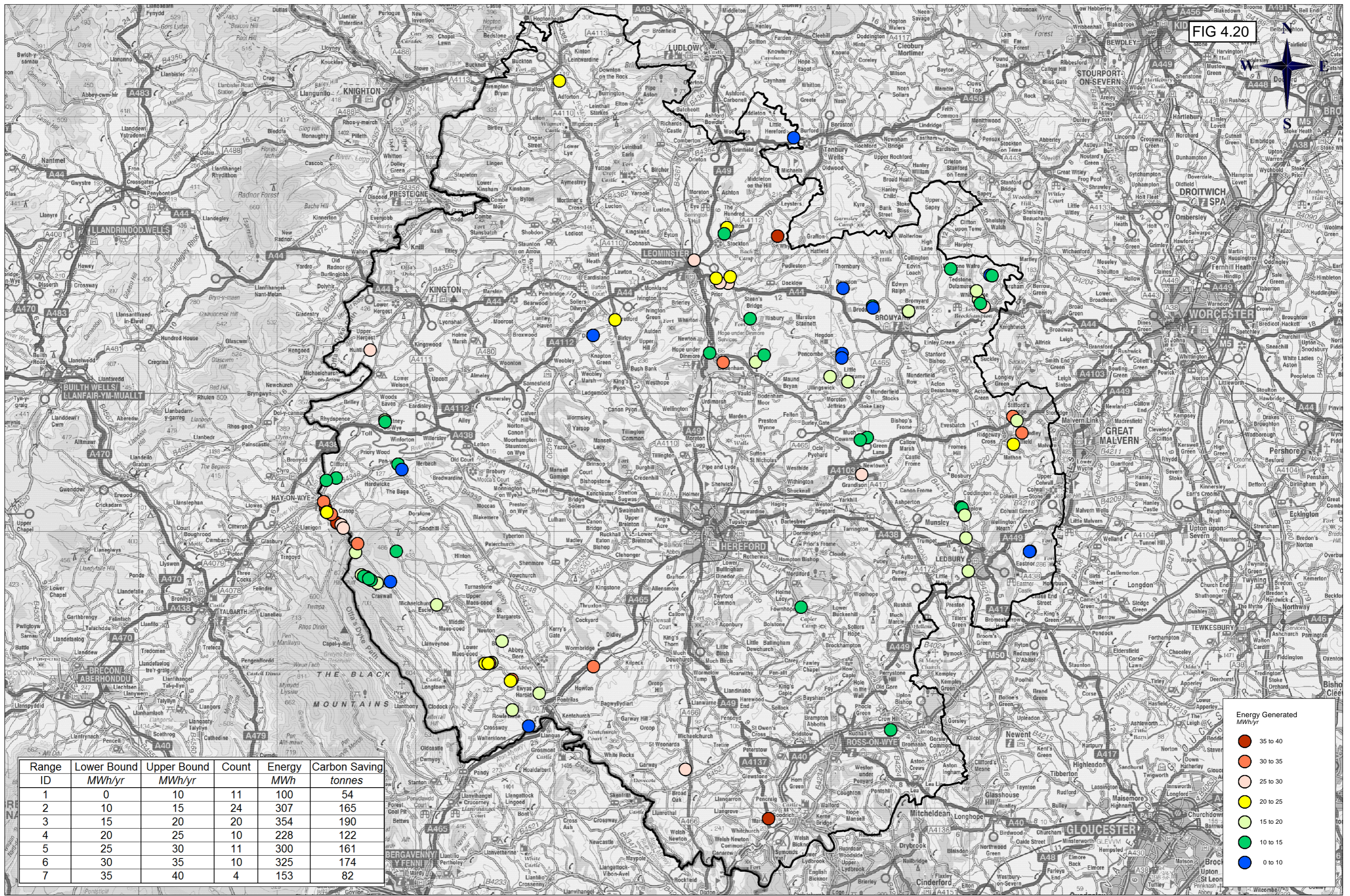
ING Ref: 348600 245900 Map Ref: Landranger Map:149 - OS 100K Ref: SO

Figure 4.19
Title: Herefordshire Renewable Energy Study
Potential Hydro Schemes
(High Head Sites)

Project Ref: 42-0347
Drawn: S.Allen
Checked: S.Clarke

Dwg. Ref: HRDShR_HIGHHEAD_420347
Date: 21 JUL 2010
Date: 21 JUL 2010

FIG 4.20



Range	Lower Bound	Upper Bound	Count	Energy	Carbon Saving
ID	MWh/yr	MWh/yr		MWh	tonnes
1	0	10	11	100	54
2	10	15	24	307	165
3	15	20	20	354	190
4	20	25	10	228	122
5	25	30	11	300	161
6	30	35	10	325	174
7	35	40	4	153	82

Energy Generated
MWh/yr

- 35 to 40
- 30 to 35
- 25 to 30
- 20 to 25
- 15 to 20
- 10 to 15
- 0 to 10

Scale: 1:250000 @ A3

0 kilometres 10

Client: **wardell armstrong** Herefordshire Council

Wardell Armstrong International
Wheat Jane, Balduh, Truro,
Cornwall, TR3 6EH

Tel: +44 (0) 1872 560738
Fax: +44 (0) 1872 561079
wal@wardell-armstrong.com

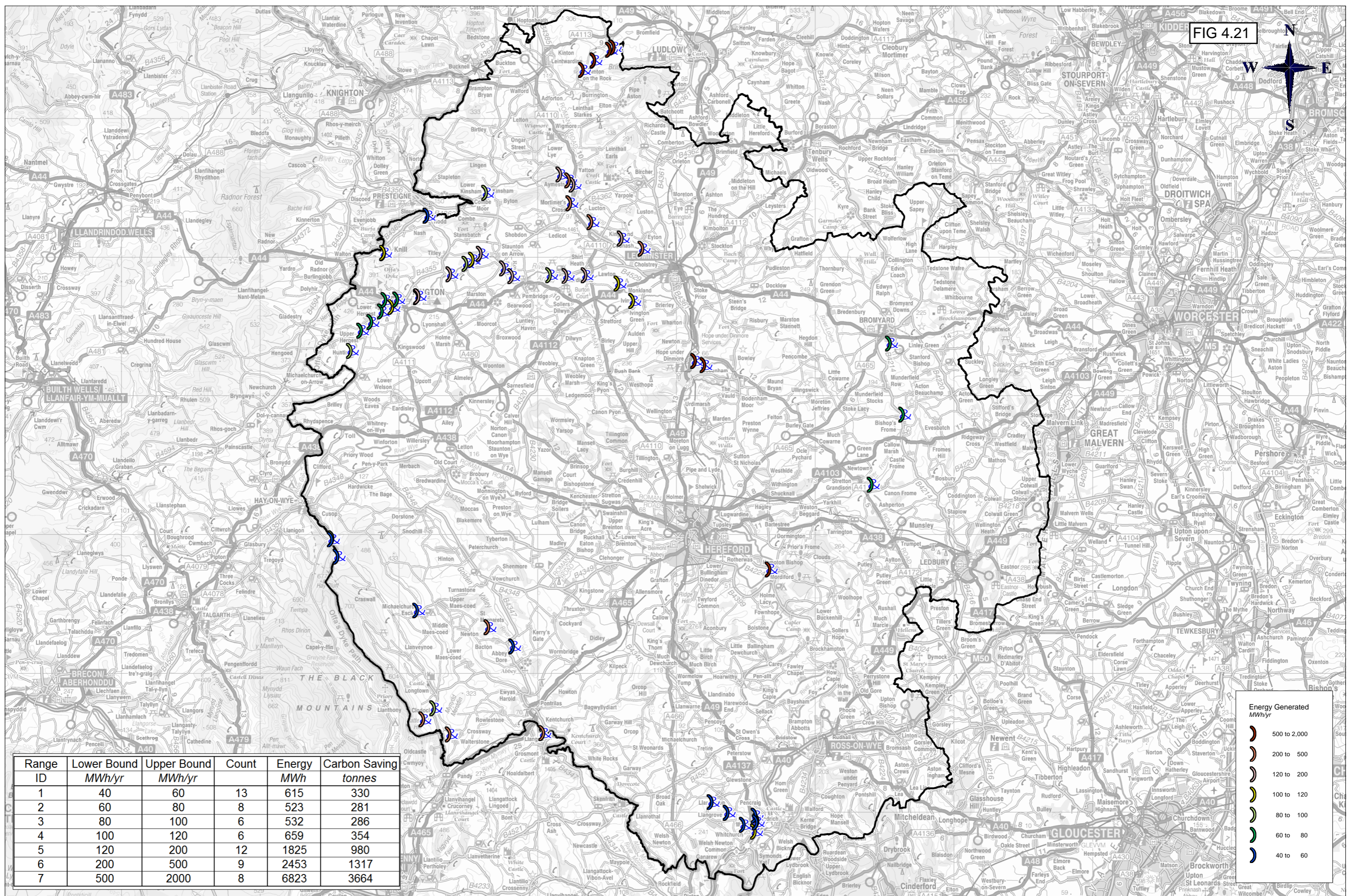
BNG Ref: 348600 245900 Map Ref: Landranger Map 149 - OS 100K Ref: 50

Figure 4.20
Title: Herefordshire Renewable Energy Study
Potential Low Head Hydro Schemes
(Less than 10KW)

Project Ref: 42-0347 Drg Ref: HRDShR_LESS10KW_420347

Drawn: S.Allen Date: 21 JUL 2010
Checked: S.Clarke Date: 21 JUL 2010

FIG 4.21



Range	Lower Bound	Upper Bound	Count	Energy	Carbon Saving
ID	MWh/yr	MWh/yr		MWh	tonnes
1	40	60	13	615	330
2	60	80	8	523	281
3	80	100	6	532	286
4	100	120	6	659	354
5	120	200	12	1825	980
6	200	500	9	2453	1317
7	500	2000	8	6823	3664

Scale: 1: 250 000 @ A3

Client: **Herefordshire Council**

Wardell Armstrong International
Wheat Jane, Balduw, Truro,
Cornwall, TR3 6EH

Tel: +44 (0) 1872 560738
Fax: +44 (0) 1872 561079
w@wardell-armstrong.com

Map Ref: Landranger Map:149 - OS 100K Ref: SO

Figure 4.21

Title: Herefordshire Renewable Energy Study
Potential Low Head Hydro Schemes
(Greater than 10KW)

Project Ref: 42-0347 Dsg. Ref: HRDSHR_MORE10KW_420347

Drawn: S.Allen Date: 21 JUL 2010

Checked: S.Clarke Date: 21 JUL 2010