

NORTH KILWORTH PARISH COUNCIL
HOUSING DEVELOPMENT BALLOT - 10th JUNE 2016
AN INDEPENDENT ASSESSMENT

As part of the dissemination of the results of the ballot held on 10th June 2016 to identify preferred development sites in North Kilworth, the Parish Council requested an independent assessment of the results to complement the verification of the votes performed by District Councillor Lesley Bowles directly after the votes were counted. This document provides this assessment.

THE BALLOT

The ballot addressed two issues :

1. Housing Numbers
 - a. Do you agree with including an element of future proofing the allocation by 20%?
 - b. Should a preference be stated that any individual site should be not greater than approximately 20 properties?
2. Housing Locations - indicate order of preference or ratings by inserting numbers 1, 2, 3, or 4. Most preferred =1. Least preferred =4. Each number may be used only once.
 - a. Option 1 : No Site Specified
 - b. Option 2 : Station Road
 - c. Option 3 : South Kilworth Road
 - d. Option 4 : Corner of Pincet Lane and Station Road

DETAILS OF THE RESULTS

Statistics of the ballot are as follows :

Number of Votes on Electoral Roll	127
Number of Votes in Election Box	127
Spoiled Votes	1
Number of Parishioners on Electoral Roll	455

Percentage Turn Out

28%

As can be seen all individuals who voted were parishioners on the Electoral Roll for North Kilworth. A summary of the number of ratings against each of the options is given below:

	Option 1	Option 2	Option 3	Option 4
Number of '1' Ratings	5	29	19	70
Number of '2' Ratings		20	24	48
Number of '3' Ratings		34	39	22
Number of '4' Ratings		56	28	29

It should be noted that two individuals chose not to answer Question 3 on the preferred options. Also 10 individuals chose not to use the full range of ratings (1 to 4) and so some replies to the options in Question 3 had some blanks.

From this table it can be seen that if single ratings are taken then Option 4 is the most preferred with Option 1 being the least preferred.

ANALYSIS OF RESULTS

1. Housing Numbers

The results from Questions One and Two on Housing Numbers are clear. The overall view that an element of future proofing should be included (91 to 34), and that any individual site should not be greater than approximately 20 properties (69 to 52).

2. Housing Locations

The original intention was to simply add up the ratings by all the voters on each of the options and that preferences would be identified by the lowest cumulated number. This gave the following result :

Basic Data	Option 1	Option 2	Option 3	Option 4
	371 (Least Preferred)		306	297
				192 (Most Preferred)

However as already noted some individuals had not used all the ratings 1, 2, 3 and 4, the above interpretation could be influenced by the fact that some of the totals would be lower than they really should be (for example if a rating of '4' had not

been used, the blank would be taken as a zero, and so the final total would be artificially lower). In order to assess the impact of this, two sensitivity studies were carried out to ensure that the outcome was truly representative of the preference voting provided.

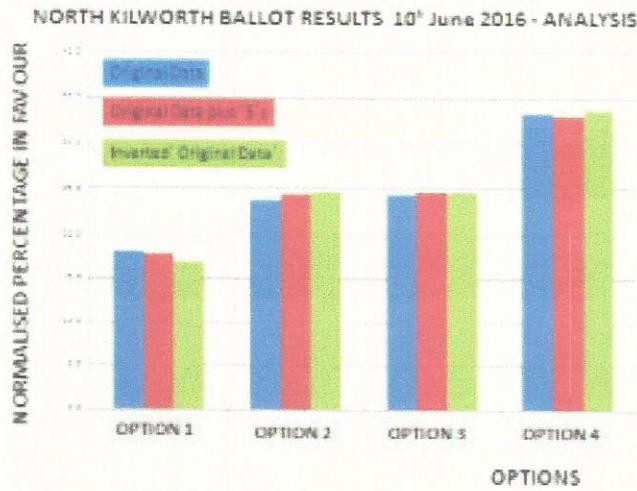
- **Sensitivity Test 1** : where there was a blank in a row in the table where a number had not been used, it would be replaced by a `5`. The rationale behind this was that if the individual did not state a preference then it would be most likely because they did not rate that preference at all. Where the individual had chosen not to vote for any of the options, these were all left as blanks.

Sensitivity Test 1	Option 1	Option 2	Option 3	Option 4
	416 (Least Preferred)		326	327
(Most Preferred)				217

- **Sensitivity Test 2** : a simple inversion of the voting so that the largest cumulative amount is the most preferred (that is `1` goes to `4`, `2` goes to `3`, `3` goes to `2` and `4` goes to `1`). This gets round the blank issue as these are now zero.

Sensitivity Test 2	Option 1	Option 2	Option 3	Option 4
	201 (Least Preferred)		294	293
(Most Preferred)				403

In order to make a direct comparison between the basic data and those of the Sensitivity Tests, resulting numbers have been calculated as percentages of the totals for each case and put in a form that the largest percentage is the most preferred. This comparison is shown in the following figure and shows that there are only small differences between the original data and those derived from the sensitivity tests:



The conclusion is therefore evident - Option 4 is clearly the most preferred, Option 1 is clearly the least preferred and Options 2 and 3 are essential equal in preference.